

APPENDIX D

Survey Control

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Wengler Surveying & Mapping

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October 28, 2013

HDR Environmental, Operations and Construction, Inc.
Lawrence Devries, PLS, Project Manager
12850 E Control Tower Rd.
Centennial, CO 80112

Dear Lawrence:

Below are the results of our field survey to determine coordinates of six control points at the Port Angeles Combat Range in Clallam County, Washington.

Geographic Coordinates relative to the North American datum of 1983, 2011 adjustment, (Epoch 2010)

<u>Station</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>	<u>Ellipsoid Ht.</u> (meters)	<u>Designation</u>
1	48-01-50.871256	123-20-25.960574	297.8587	PACR CP-1
2	48-01-49.891523	123-20-26.103502	299.9530	PACR CP-2
3	48-01-48.993130	123-20-33.489424	289.8653	PACR CP-3
4	48-01-48.003272	123-20-35.662573	291.7262	PACR CP-4
5	48-01-55.432872	123-20-35.633110	281.9665	PACR CP-5
6	48-01-52.515194	123-20-40.453339	285.1182	PACR CP-6

Washington State plane coordinates (North zone), North American datum of 1983, 2011 adjustment, (Epoch 2010)

<u>Station</u>	<u>Northing</u> (meters)	<u>Easting</u> (meters)	<u>Orthometric Elevation</u> (meters)	<u>Designation</u>
1	117651.769502	313053.517103	317.9122	PACR CP-1
2	117621.623339	313049.572147	320.0047	PACR CP-2
3	117598.877641	312895.743110	309.9115	PACR CP-3
4	117569.790361	312849.751287	311.7690	PACR CP-4
5	117799.108796	312857.843719	302.0219	PACR CP-5
6	117712.302323	312755.104643	305.1647	PACR CP-6

Convergence Angles (DMS) and Grid Factors at Stations
 (Grid Azimuth = Geodetic Azimuth - Convergence)
 (Elevation Factor Includes a Geoid Height Correction at Each Station))

Station	Convergence	----- Factors -----			
	Angle	Scale	x	Elevation	= Combined
1	-1-52-00.01	0.99994341		0.99995332	0.99989673
2	-1-52-00.12	0.99994341		0.99995299	0.99989641
3	-1-52-05.62	0.99994342		0.99995457	0.99989799
4	-1-52-07.23	0.99994343		0.99995428	0.99989771
5	-1-52-07.21	0.99994337		0.99995581	0.99989918
6	-1-52-10.80	0.99994339		0.99995532	0.99989871

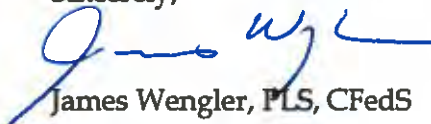
Physical characteristics of control points

Station	Physical Characteristics
1-2	Found: ½ inch rebar set by HDR
3	Set: 5/8 inch rebar with a red plastic cap stamped "GPS CONTROL PLS 26304"
4 THROUGH 6	Set: 5/8 inch rebar with a red plastic cap stamped "CONTROL POINT PLS 26304"

All coordinate values exceed the relative accuracy requirement as specified in the contract and were constrained to the following NGS control points with published values relative to the North American datum of 1983, 2011 adjustment,(Epoch 2010) and the North American Vertical Datum of 1988 (NAVD88).

<u>NGS Station & (PID)</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>	<u>Orthometric Elev. (NAVD 88 meters)</u>
N 469 (TS0058)	48-11-52.34640	124-07-08.35317	4.813
944 4090 A TIDAL (TR2551)	48-07-25.14828	123-27-04.01731	4.069
FORKS RESET (SD0880)	47-56-12.19221	124-23-44.16562	87.95

Sincerely,


 James Wengler, PLS, CFedS



DATE: 10-28-2013

SV OBSTRUCTION DIAGRAM

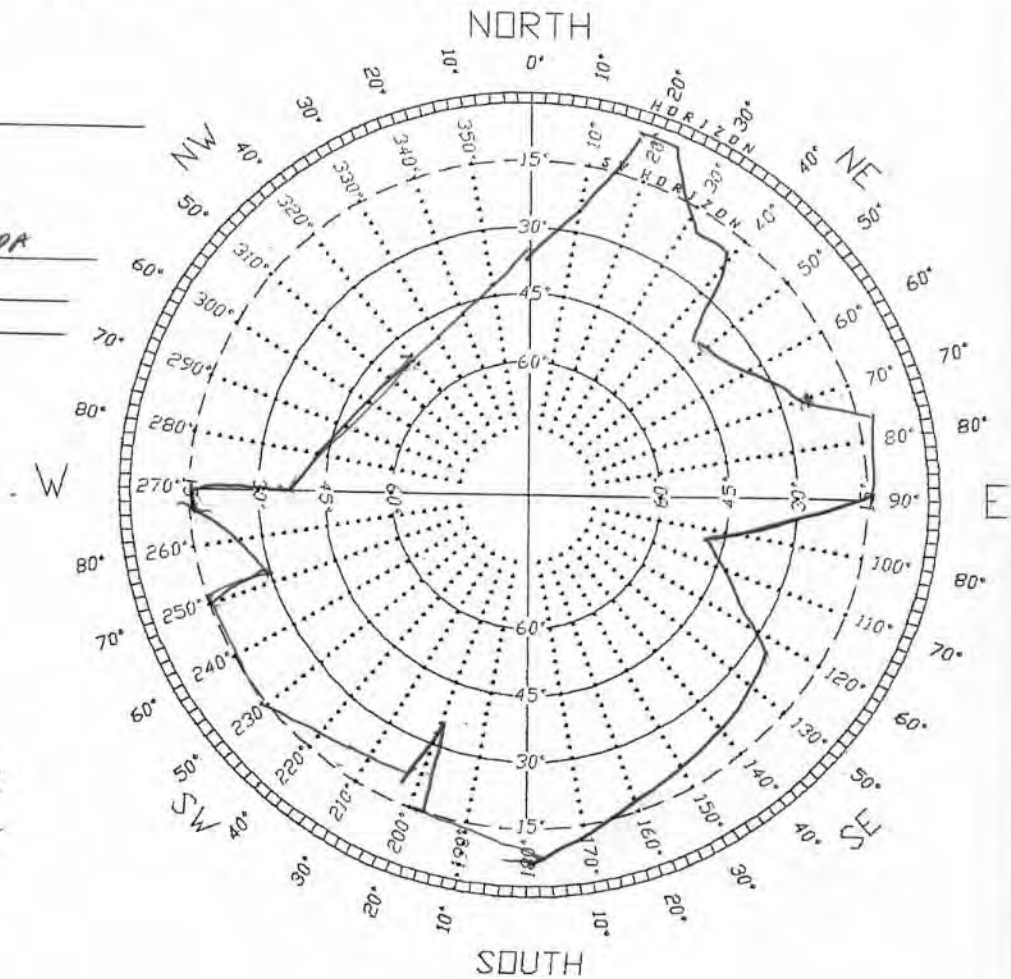
BY: JW
DATE: 10-19-2013

PROJECT: PACR

POINT: 2887 SKYLINE

DESCRIPTION: SEE CITY OF PA
RECONSTRUCTION SHEET

SKETCH/MAP



N 18 E 3	W 15	
N 22 E 8	W 35	
N 32 E 22	N 46 W 52	
N 38 E 22	N 35	
N 46 E 38		
N 72 E 25		
N 76 E 7		
E 15		
S 78 E 47		
S 56 E 27		
S 8		
S 20 33	Pole	
S 34 W 24		
S 50 W 15	S 68 W 15	
S 72 W 28		
S 86 W 15		

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

SV OBSTRUCTION DIAGRAM

48° 03' 04"
123° 20' 16"

BY: R. BAIN/A. NEWMAN

DATE: NOV. 9, 2000

PROJECT: CITY PA 2000

2887

POINT: SKYLINE 05303361

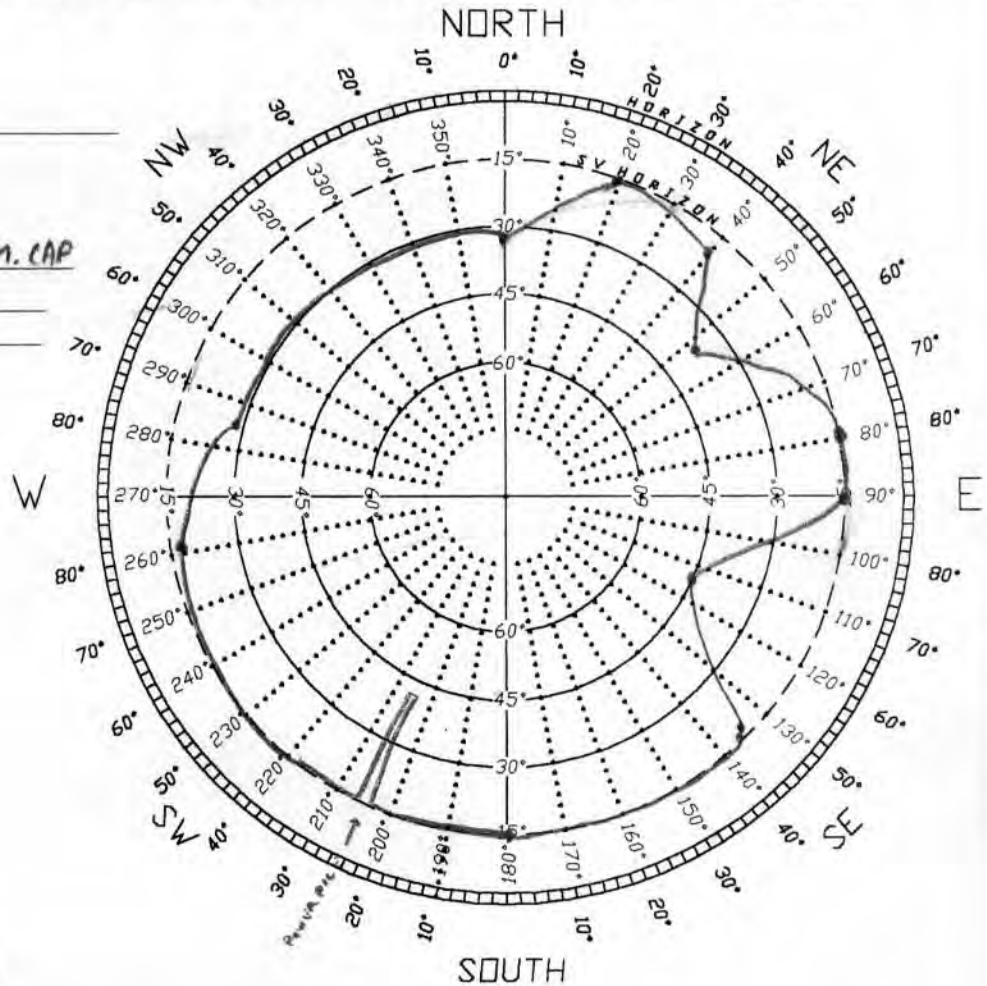
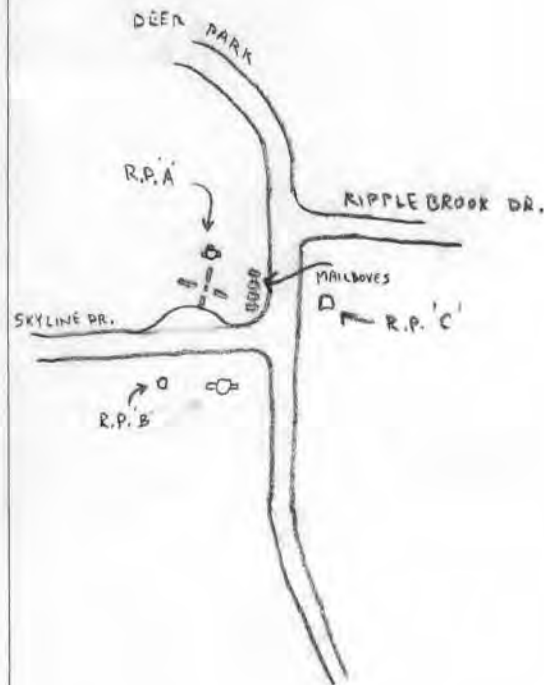
DESCRIPTION: SET: FEND SPIK/2" ALUM. CAP

STAMPED "CITY OF PORT ANGELES"

CONTROL POINT 2000 05303361

DOWN 0.3' BELOW PANELS

SKETCH/MAP



R.P. 'A' TOP CENTER OF FIRE PLUG
FROM MONUMENT N 25° E 16.75'

R.P. 'B' TOP CENTER OF TELEPHONE RISER
FROM MONUMENT S 38° W 52.40'

R.P. 'C' TOP CENTER OF LARGE TELEPHONE RISER
FROM MONUMENT S 85° E 47'

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

FROM Hwy 101 TO DEER PARK RD S 4.01 MI TO INT.
SKYLINE DR.

SKY PLOT OK JW 10.11.2013

SV OBSTRUCTION DIAGRAM

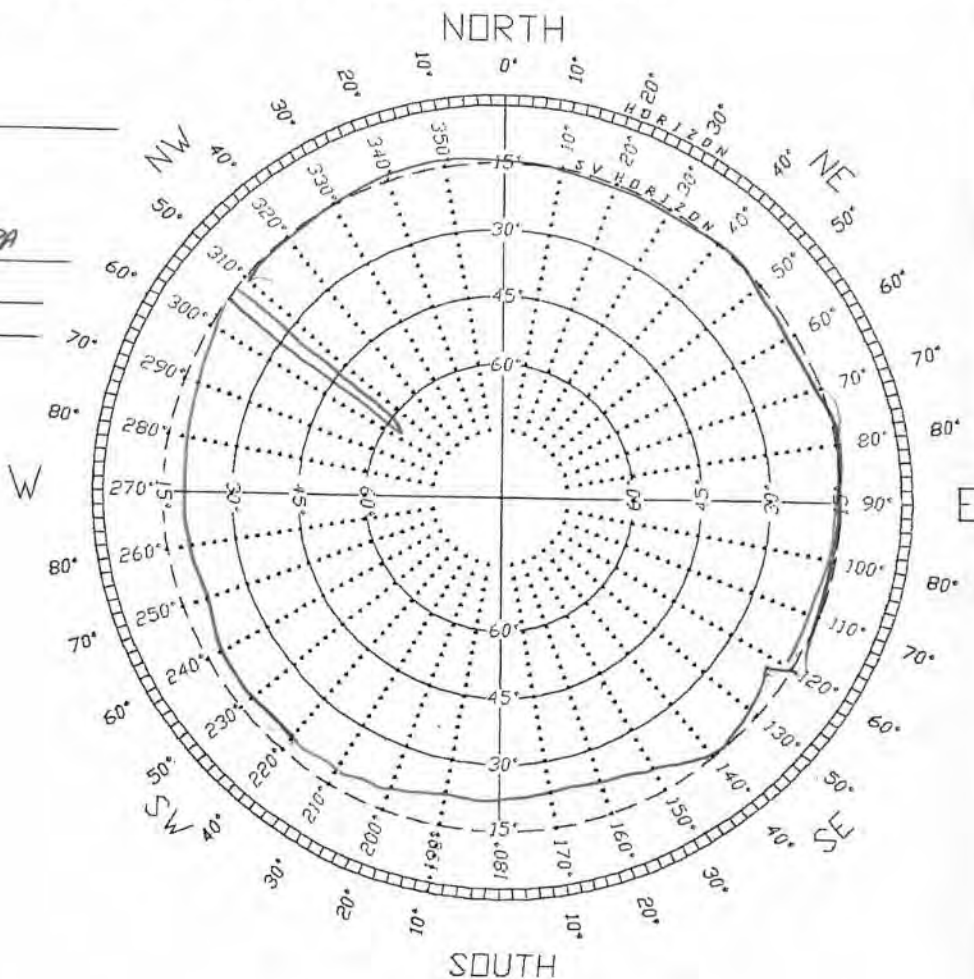
BY: JW
DATE: 10-19-2013

PROJECT: PACR

POINT: 2886 SCHREINER

DESCRIPTION: SEE CITY OF PA
RECOVERED SHEET

SKETCH/MAP



S60 E 15
S60 E 20
S64 E 19
S60 E 13
S38 E 15
S30 E 23
S42 W 19
N54 W 70 POLE

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

SV OBSTRUCTION DIAGRAM

48°01'51"N
123°20'25"W

BY: J. DUGAN/R. BAIN

DATE: 30063.00

PROJECT: CITY OF PA 2000

2986

POINT: SCHREINER 05290580

NOV. 8, 2000 R. BAIN/A. NEWMAN

DESCRIPTION: SET: FEND SPIKE 1/2" ALUM CAP

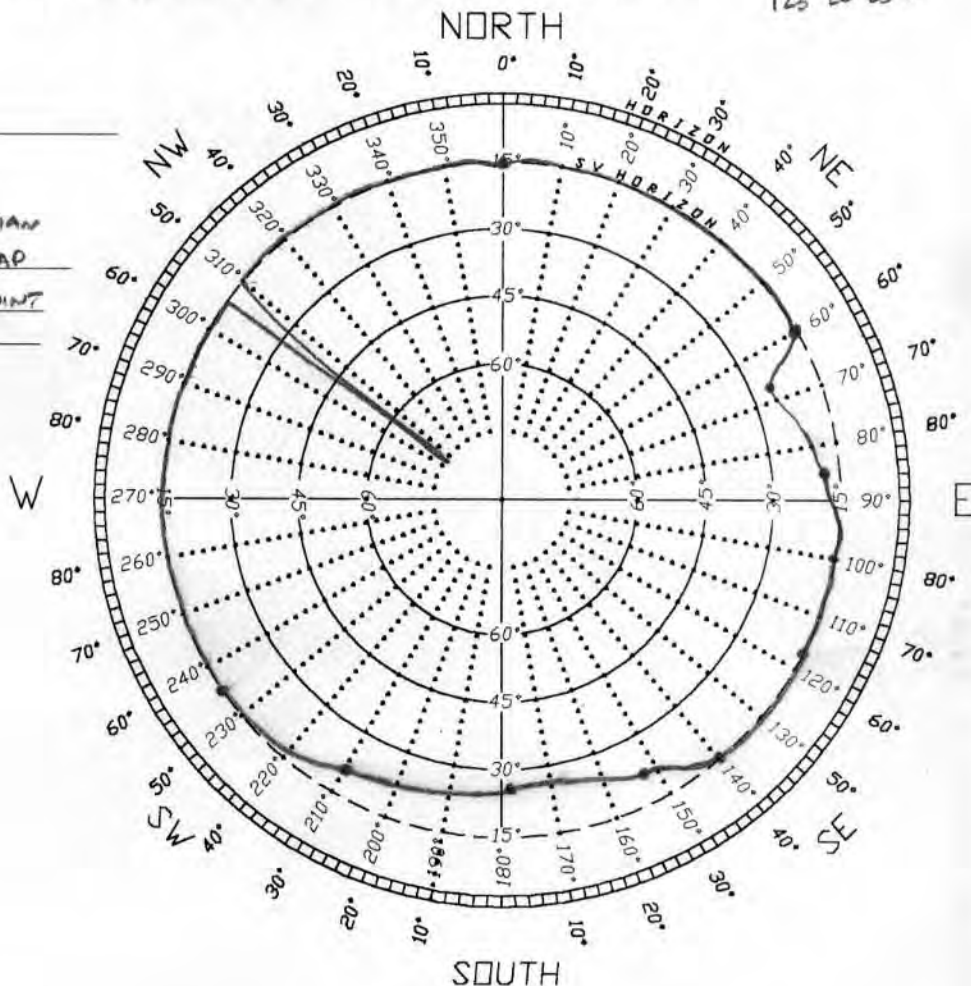
STAMPED "CITY OF PORT ANGELES CONTROL POINT

2000 05290580 "

DEPT 0.15 IN GRASS SHOULDER

10.8 FEET WEST OF FOG LINE

SKETCH/MAP



POWER POLE 2905-058202

48-01-51 N
123-20-25 W

8.4'

R.P. A POWER POLE # "2905-058202"
N 52°W FROM MON. SPIKE IN EAST FACE OF POLE
UP 0.8

R.P. B TOP CENTER TELEPHONE RISER
N 65°E 37.9' FROM MON.



DEER PARK RD

SOUTH RT TO MALIBU HILL

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

FROM HWY 101 DRIVE APPROX. 5.4 MI UP DEER PARK TO CURVE IN ROAD AND BEGINNING
OF S STOP AND PARK AT DRIVEWAY @ ADDRESS # 5455 ON EAST SIDE OF DEER PARK
ROAD. MONUMENT IS ON WEST SIDE OF ROAD IN GRASS OPPOSITE FENCE CORNER

SV OBSTRUCTION DIAGRAM

BY: JW
DATE: 10-23-2013

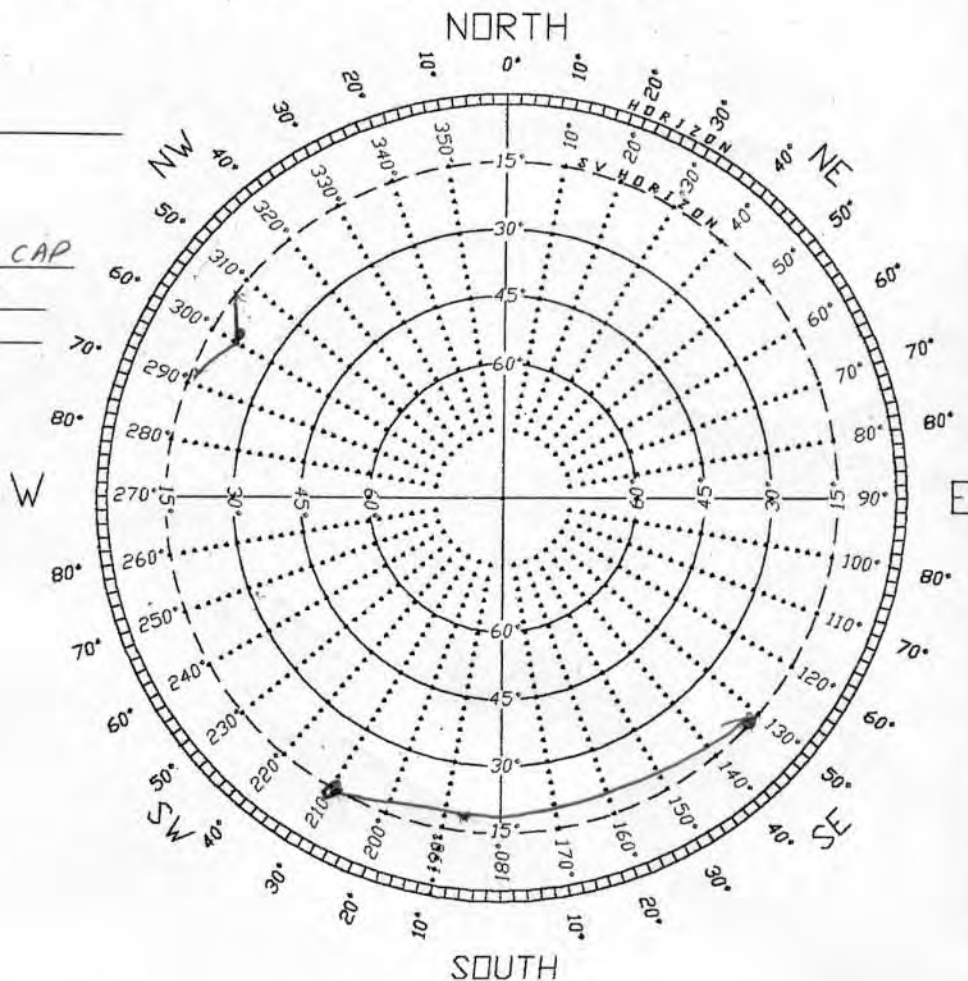
PROJECT: HDR

POINT: PACR CP-1

DESCRIPTION: 1/2" REBAR / NCCAP
SET IN FIELD NORTH OF
CP-2

SKETCH/MAP

N68W 15
N58W 20 TREE
N52W 15
S48E 15
S45E 20
S6W 20
S30W 15



48-01-51
123-20-26

GPS GOOD ALL DAY FRIDAY

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

NORTH OF PACR CP-2

SV OBSTRUCTION DIAGRAM

BY: JW
DATE: 10-23-2013

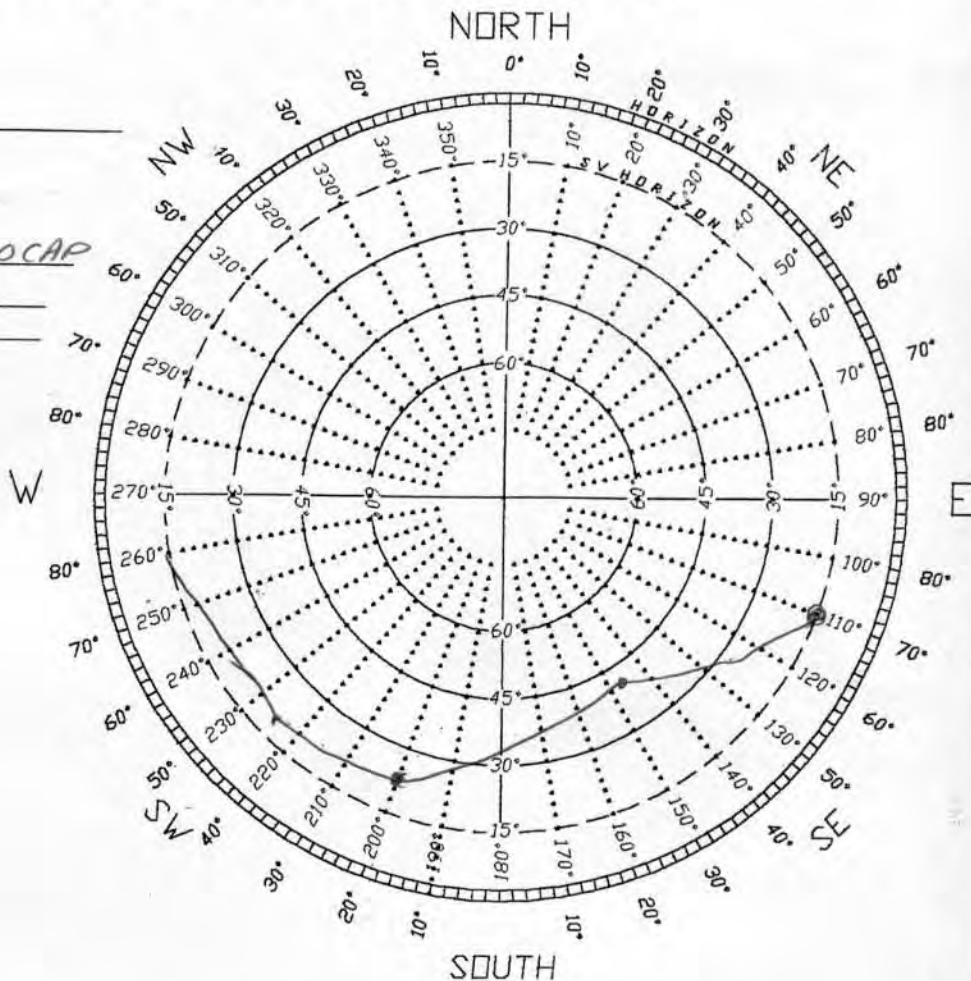
PROJECT: HDR

POINT: PACR GP-2

DESCRIPTION: 1/2" REBAR / NOCAP
SET IN FIELD
SGOW FROM SCHRIENER
2886

SKETCH/MAP

S 70 E 15
S 56 E 27
S 26 E 40
S 20 W 25
S 45 W 20
S 80 W 15



LAT 48-01-50 N
LONG 123-20-26 W FROM GOOGLE EARTH

8:18 - 8:52 1:34
9:02 - 13:54 4:52
14:00 - 17:00 3:00

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

SOUTH OF PACR CP-1

SV OBSTRUCTION DIAGRAM

BY: JW
DATE: 10-23-2013

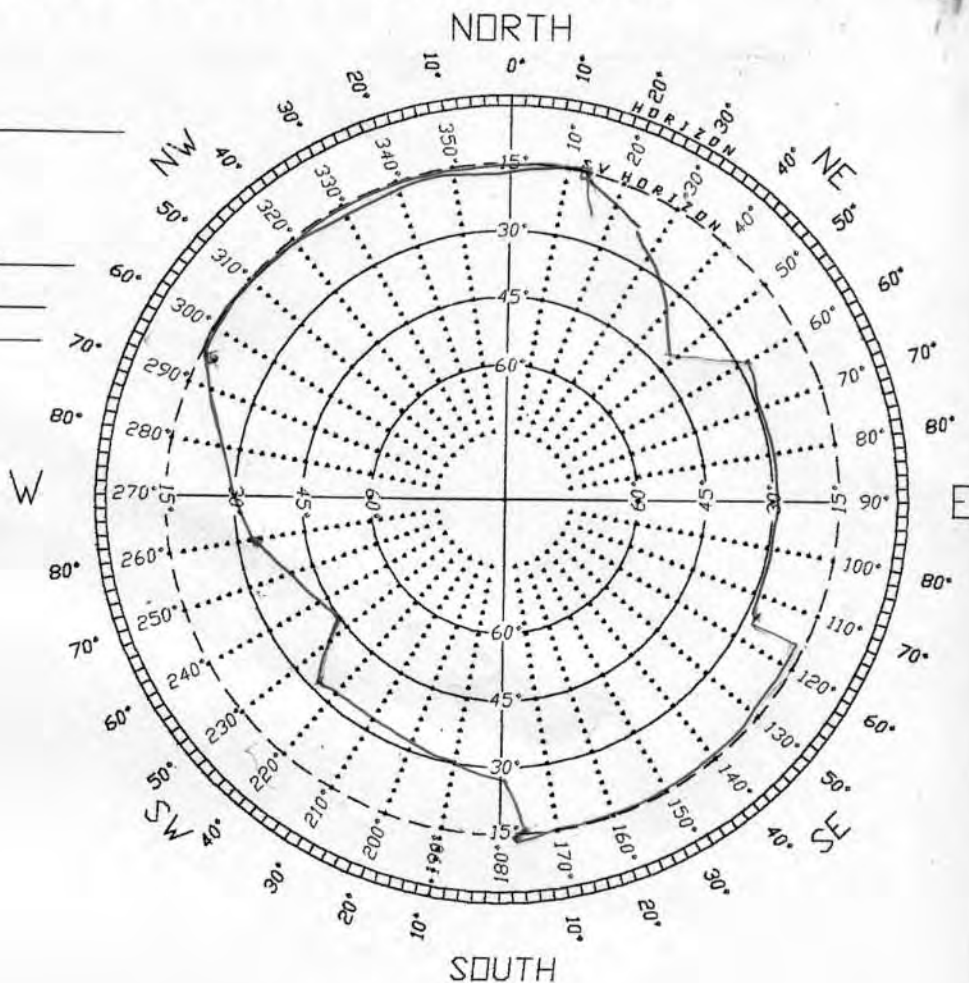
PROJECT: HDR

POINT: PACK CP-3

DESCRIPTION: SET 5/8" R/C
GPS CONTROL "PLS 26304"

SKETCH/MAP

N68W 13
 N12E 15
 N16E 24
 N24E 21
 N48E 40
 N60E 28
 S66E 28
 S66E 15
 S6E 15
 S8E 26
 S45W 33
 S52W 48
 N30W 33



48-01-49.0
123-20-33.8

N 117601
E 312891

8:18 - 10:28 2:10
 10:48 - 13:02 2:14
 14:16 - 17:00 2:44

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

IN WESTERLY MEADOW

SV OBSTRUCTION DIAGRAM

BY: JW

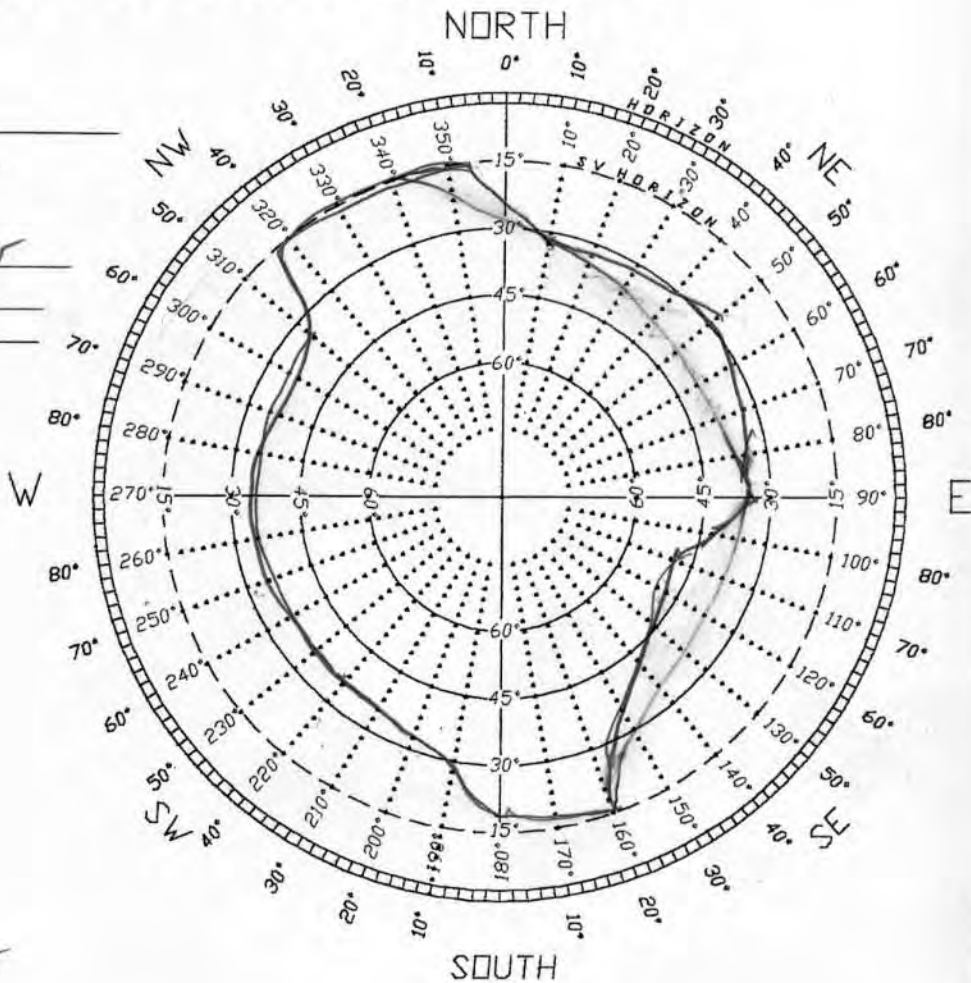
DATE: 10-19-2013

PROJECT: PACR

POINT: MT PLEASANT 2155

DESCRIPTION: SEE CCGF SHEET

SKETCH/MAP



N 8 W 15
 N 10 W - 0
 N 8 E 33
 E 37
 S 26 E 28
 S 20 E 15
 S 72 E 50
 S 19
 S 10 W 29
 S 42 W 40
 N 40 W 32
 N 45 W 16

N 50 E 25

HOW TO GET HERE (INCLUDE TIME TO WALK TO MONUMENT FROM VEHICLE)

GEODETIC CONTROL STATION REPORT

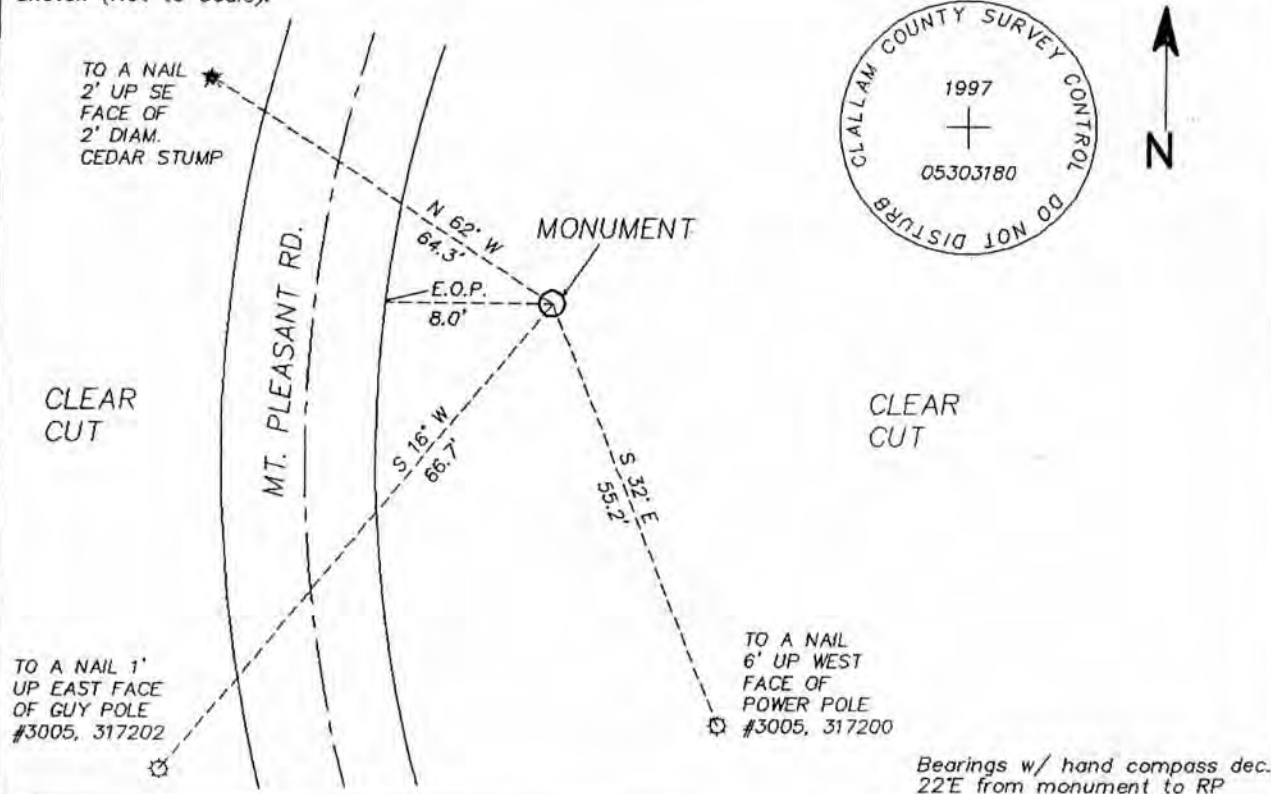
CLALLAM COUNTY GEODETIC CONTROL NETWORK

Agency: Clallam County, Road Dept./ G.I.S. 223 East Fourth St. Port Angeles, Wa. 98362 (360) 417-2000		Location: Clallam County Washington	Date set/ recovered: DEC. 17, 1996 Map of Record/ Project: C.C.G.F. ROS AUDIT. F.N.: 1998-1003283		
Index No.: 2155	I.D. No.: 05303180	P.I.D. No.: N/A	Name: MT PLEASANT	Origin: C.C.G.F.	
Horizontal Datum: NAD 83(91)	Method (Hor.): GPS	Accuracy (H): 1ST	Vertical Datum: NAVD 88	Method (Vert.): GPS	Accuracy (V): GPS HEIGHT
Latitude: 48°02'46.50017" N		Longitude: 123°21'50.16260" W		Washington Coordinate System (North), US feet: N 391 816.815 E 1 021 542.017	
Orthometric Elevation (US feet): 1301.1	Ellipsoid Height: 1235.40 US FEET 376.55 M		Scale: 0.99994303	Convergence Angle: -1°53'02.7"	Geoid Model: 96

Monument Description:

3" DIAM. BRASS CAP ON 2 1/2" DIAM. X 30" STAINLESS STEEL PIPE IN CONCRETE BASE AS PER CLALLAM COUNTY GEOMETRIC FRAMEWORK PROJECT SPECIFICATIONS, SET FLUSH WITH SURROUNDING SOIL. CAP IS MARKED AS SHOWN. SET ORANGE CARSONITE WITNESS POST NEAR MONUMENT.

Sketch (Not to Scale):



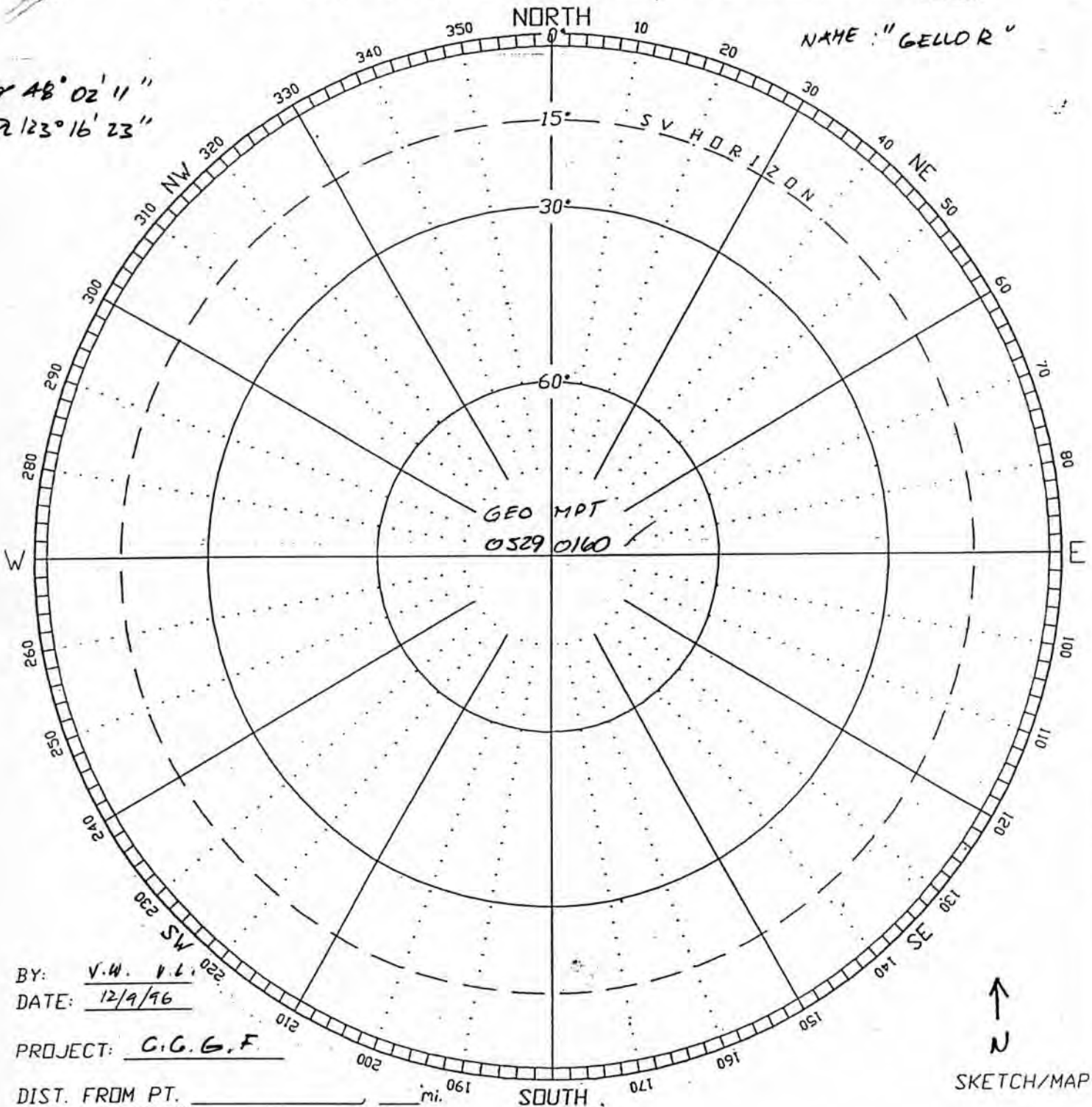
Directions:

FROM THE INTERSECTION OF S.R. 101 AND MT. PLEASANT RD. GO SOUTH ON MT. PLEASANT RD. 4.35 MILES. MONUMENT IS ON EAST SIDE OF MT. PLEASANT RD. AND 0.25 MILES SOUTH FROM DIETZ RD. INTERSECTION.

SV OFSTRUCTION DIAGRAM NEW

NAME: "GELLOR"

48° 02' 11"
2123° 16' 23"



BY: V.W. V.L. 022

DATE: 12/9/96

PROJECT: C.G.G.F.

DIST. FROM PT. _____ mi.
TRAVEL TIME _____ min.

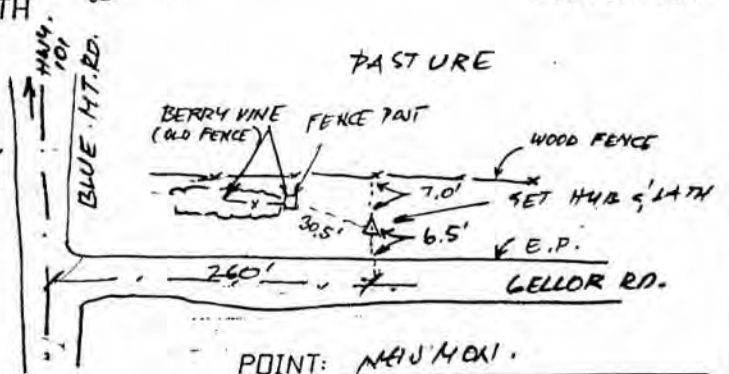
HOW TO GET HERE: FROM HWY 101 XT

"R CORNER STORE" SOUTH ON BLUE HT. RD.
4M TO GELLOR RD., EAST ON GELLOR RD.
260' TO THE POINT ON NORTH SIDE
OF THE RD.

DESCRIPTION: NEW MON.

NAME: "GELLOR"

↑
N
SKETCH/MAP



POINT: NEW MON.

GEODETIC CONTROL STATION REPORT

CLALLAM COUNTY GEODETIC CONTROL NETWORK

Agency: Clallam County, Road Dept./ G.I.S. 223 East Fourth St. Port Angeles, Wa. 98362 (360) 417-2000	Location: Clallam County Washington	Date set/ recovered: DEC. 17, 1996 Map of Record/ Project: C.C.G.F. ROS AUDIT. F.N.: 1998-1003283
--	--	---

Index No.: 2158	I.D. No.: 05290160	P.I.D. No.: N/A	Name: GELLOR	Origin: C.C.G.F.
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Horizontal Datum: NAD 83(91)	Method (Hor.): GPS	Accuracy (H): 1ST	Vertical Datum: NAVD 88	Method (Vert.): GPS	Accuracy (V): GPS HEIGHT
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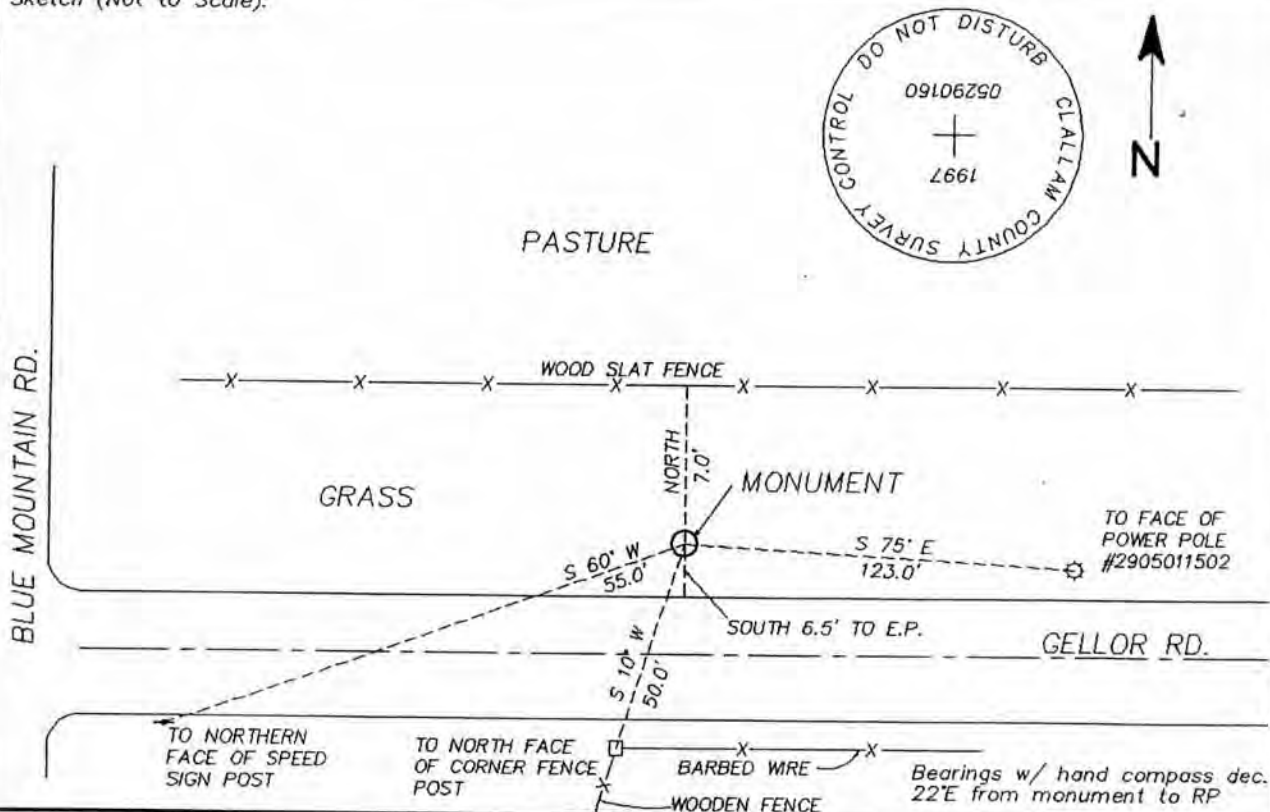
Latitude: 48°02'10.69071" N	Longitude: 123°16'27.17864" W	Washington Coordinate System (North), US feet:			
		N 387 481.446	E 1 043 360.512		

Orthometric Elevation (US feet): 1120.6	Ellipsoid Height: 1054.23 US FEET 321.33 M	Scale: 0.99994326	Convergence Angle: -1°49'02.2"	Geoid Model: 96
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Monument Description:

3" DIAM. BRASS CAP ON 2 1/2" DIAM. X 30" STAINLESS STEEL PIPE IN CONCRETE BASE AS PER CLALLAM COUNTY GEOMETRIC FRAMEWORK PROJECT SPECIFICATIONS, SET FLUSH WITH SURROUNDING SOIL. CAP IS MARKED AS SHOWN. SET ORANGE CARSONITE WITNESS POST NEAR MONUMENT.

Sketch (Not to Scale):



Directions:

FROM THE INTERSECTION OF S.R. 101 AND BLUE MOUNTAIN RD. GO SOUTH ON BLUE MOUNTAIN RD. TO INTERSECTION OF BLUE MOUNTAIN RD. AND GELLOR RD. GO EAST ON GELLOR RD. APPROXIMATELY 260'± TO THE STATION ON THE NORTH SIDE OF GELLOR RD.

PG. 37

WENGLER SURVEYING & MAPPING

GPS SITE LOG

Page / of /Unit Number 0220083375

16-26-2007

CHECKED IN 10-25-2013

[illegible]

Comments: 2ND MEAS WITH SECOND TAPE, "MT PLEASANT MON. FOUND MON AS DESCRIBED"
FAST FLASH SAT 8:14 LOGGING DATA @ 8:15, 8:36 ALL GOOD
8:45- DOUBLE YELLOW BLINK,
GELLOR START 9:59- LOG DAT @ 10:00, GELLOR MON FOUND AS
DESCRIBED, 10:20- DOUBLE YELLOW BLINK, MT. PLEASANT - 10:59 (START
LOGGING DATA, GELLOR START 12:54 LOGGING DATA, 1:20 DOUBLE BLINK YELLOW
MT PLEASANT TO GELLOR 21 MIN. MINIMUM, 1/2 HR BETTER.

WENGLER SURVEYING & MAPPING **GPS SITE LOG**

Page 1 of 1
Unit Number 0220068742

PROJECT HOR
DATE 10-25-2013
JULIAN DAY 298
OBSERVER VERNON

CHECKED IN 10-25-2013

Station #	File Name UNIT# + Jul Day	Session #	Occupation Times		Ant. Ht. Meters	Ant. Ht. Feet
			Planned	Actual		
SKYLINE 2887	8742+298	0	8:36	8:35	1.795 ✓	5.89 ✓
			9:30	9:30	1.795	5.89
SGHREINER 2886	8742 298	1	9:48	9:47	1.736 ✓	5.70 ✓
			10:28	10:28	1.736	5.70
SKYLINE 2887	8742 298	2	11:08	11:07	1.769 ✓	5.80 ✓
			12:02	12:02	1.769	5.80
SGHREINER 2886	8742 298	3	12:22	12:21	1.685 ✓	5.53 ✓
			1:02	12:51	1.685	5.525
2886	8742 298	4		11:00	"	"
				11:02		

Comments: _____

Page 1 of 1

CHECKED IN 10-25-2013

Comments: When breaking down set up found ^{OPTICAL} opticle Plummert
was sighting 0.04 East of the center of the rebar.
NE

WENGLER SURVEYING & MAPPING

GPS SITE LOG

Page / of /
Unit Number 0220083823

PROJECT	HDR
DATE	10-25-2013
JULIAN DAY	298
OBSERVER	VERNON

CHECKED IN 10-25-2013

[illegible]

Comments: ERRON LOG C

WENGLER SURVEYING & MAPPING

GPS SITE LOG

Page 1 of
Unit Number 0220083822

[illegible]

Comments: Around 1:00 The satellite and Data log lights changed from slowly blinking to Fast rapid blinking for a short period of time, guessing to be under a minute, then went back to normal blinking speed.

562W (KUGLE COMPLESS BEARING BETWEEN 2886 & 2)

PT 4RT SD 24 147 Desc

SCHREINER

T @ 2886 BS 2 HI 5.31 / FND 2" AC

PACR CP #

(D) 2 - 0 - 151.033 92-11-47 5.26 / FND 1/2"

PACR CP #

(M) 1 41-03-10 125.745 95-51-38 5.08 / FND 1/2"

T @ 2 BS 2886 HI 5.41 / FND 1/2 RG

SCHREINER

(D) 2886 - 0 - 151.020 87-55-15 5.16 / FND 2" AC

PACR CP #

(M) 1 304-33-42 100.000 93-56-31 5.40 / FND 1/2"

(T) 20 142-15-01 303.429 90-34-31 5.19 / SET SPK

T @ 2 BS 20 HI 5.41 / FND 1/2" RG

(M) 2886 217-45-06 151.023 87-55-08 5.16 / FND 2" AC

T @ 20 BS 2 HI 5.34 / FND SPK

(T) 21 229-56-52 184.522 91-23-04 5.28 / SET SPK

T @ 20 BS 21 HI 5.34 / FND SPK

(M) 2 130-08-23 203-19-22 189-20-56 5.26 / FR3

HD12 GPS MON TIES

24 OCT 2013

B. VERNOVA

J. HEISTAND

28.1" / 46" F

PPM 10

PSM = -28 mm

ACF = 1.0

SUNNY

"05290580" CGF #, ~ 10' WLY OF WEOP DEER PARK RD

~ 15' SWLY OF MB # 5455 "SCHREINER"

REBAR NO CAP (SILY) * < HT = 5.26 > *

REBAR NO CAP (NLY) * < HT = 5.08 > *

W. S. SIDE OF DRAIN

PT KRT SD Z4 HT DES

⌞ @ 21 BS 20 HI: 5.43 FND SON

PACR CP #

(T) 3 246-19-00 317.795 94-43-38 5.16 FND 5/8"

⌞ @ 21 BS 3 HI: 5.43 FND SON

(M) 20 113-41-08 184.514 88-42-57 5.19 FND SON

⌞ @ 3 BS 21 HI: 5.32 FND 5/8" REBARK

PACR CP #

(M) 4 96-17-11 178.662 88-01-58 5.37 FND 5/8" REBARK

(T) 22 177-34-36 662.944 91-46-02 5.25 SET SPR

⌞ @ 3 BS 22 HI: 5.32 FRL 5/8"

(M) 21 182-25-26 317.770 85-19-45 5.28 FND SPR

PACR CP #

(M) 4 278-42-38 178.649 88-02-21 5.07 FRL 5/8"

HDR CONICED

21 OCT 2013

B. VERNON

J. HESTRAND

REBARK & CAP "GPS CONTROL PLS 26304"

& CAP

& CAP "GPS CONTROL PLS 26304"

PT

ART

SD

24

WT

DESC

HDLR CONT'D

24 OCT 2013

B. VERSION

J. HEISTAND

 π @ 22 BS 3 WT 5.40 FND SPK

PACR CP#

 (M) 6 52-45-38 130.580 87-54-28 5.41 FND $\frac{5}{8}$ "

REBAR' CAP "GPS CONTROL PLS 263CM"

PACR CP#

 (M) 5 284-11-35 348.052 90-53-19 5.50 FND $\frac{5}{8}$ "

REBAR' CAP "GPS CONTROL PLS 263CM"

(T) 23 378-54-22 298.343 89-21-42 5.19 SET SPK

 π @ 22 BS 23 WT 5.70 FND SPK

PACR CP#

 (M) 5 305-17-10 348.058 90-56-49 5.26 FRC $\frac{5}{8}$ "

PACR CP#

 (M) 6 73-51-13 130.577 88-00-18 5.19 FRC $\frac{5}{8}$ "

 π @ 23 BS 22 WT 5.34 FND SPK

PACR CP#

 (M) 3 216-42-02 349.356 87-37-17 5.16 FRC $\frac{5}{8}$ "

(T) 24 143-09-01 251.970 88-04-23 5.07 SET SPK

 π @ 23 BS 24 WT 5.34 FND SPK

(M) 22 216-50-50 298.349 90-42-21 5.26 FND SPK

PT	ART	SD	2d	HT	DESC
	$\pi @ 24$	BS 23	HT	5.22	FND SPN
(M) 2886	213-29-19	619.019	85-37-11	5.30	FND 2" AL
- MISS -	523-15-59W	HD 0.052	VD 0.065		
	$\pi @ 24$	BS 2886	HT	5.22	FND SPN
(M) 23	146-30-37	251.978	92-00-17	5.19	FND SPN
	$\pi @ 2886$	BS 24	HT	5.45	FND 2" AL
CL4 2	308-22-17	151.054	92-24-25	4.86	FND $\frac{1}{2}$ " RB
REL	S 62-00-00W	HD	150.922		
MEAS	S 62-00-25W	HD	150.921		
4000	25 SEC.				

HDR CONT'D

24 OCT 2013

B. WEIZMAN

J. HEISTAND

Project: HDR
 Supervisor: WENGLER
 Date Created: 10/19/2013 15:39
 Date Last Accessed: 10/25/2013 20:28
 Project Directory: C:\GPSURVEY\projects\HDR
 Antenna Type: 4600LS Internal
 Antenna Measurement Method: Reading from hook using 4600LS tape
 Antenna Group: GPSurvey
 Receiver Type: 4600LS
 Coordinate System: Geographic
 Zone: WGS84
 Linear Unit: Meter
 Timezone: Pacific Day USA : -7:00
 Number of Stations: 7
 Number of Baselines: 25
 No. of Continuous Kinematic Solns: 0

**** Reference Coordinates ****					
Station Short Name	Station ID	Latitude	Longitude	Height	Station Quality
2158	2158	48°02'10.69610" N	123°16'27.17350" W	321.17000	Network Adjustment
3	3	48°01'48.99312" N	123°20'33.48972" W	289.86755	Baseline Solutions
2	2	48°01'49.89197" N	123°20'26.10346" W	299.96173	Baseline Solutions
1	1	48°01'50.87197" N	123°20'25.96030" W	297.86799	Baseline Solutions
2155	2155	48°02'46.50570" N	123°21'50.15700" W	376.38000	Network Adjustment
2887	2887	48°03'03.05485" N	123°20'21.47710" W	235.33000	Network Adjustment
2886	2886	48°01'50.61290" N	123°20'24.16120" W	301.70000	Network Adjustment

From Station Short Name	To Station Short Name	Solution Type	Slope	Ratio	Reference Variance	Entered Ant. Ht. (From)	Entered Ant. Ht. (To)
1	2	L1 fixed	30.488	45.5	0.871	1.610	1.730
1	3	L1 fixed	166.622	15.5	0.793	1.610	1.694
2	3	L1 fixed	155.848	4.6	3.484	1.730	1.694
2155	1	L1 fixed	2449.728	26.8	2.506	1.633	1.610
2155	1	L1 fixed	2449.723	32.4	4.596	1.605	1.610
2155	2	L1 fixed	2468.903	30.5	2.463	1.633	1.730
2155	2	L1 fixed	2468.902	21.8	3.476	1.605	1.730
2155	3	L1 fixed	2384.443	27.9	2.459	1.633	1.694
2155	3	L1 fixed	2384.441	38.1	3.830	1.605	1.694
2158	1	L1 fixed	4984.712	3.7	2.904	1.541	1.610
2158	1	L1 fixed	4984.711	7.7	2.914	1.601	1.610
2158	2	L1 fixed	4991.468	4.3	2.749	1.541	1.730
2158	2	L1 fixed	4991.465	8.3	2.512	1.601	1.730
2158	3	L1 fixed	5146.854	4.6	1.964	1.541	1.694
2886	1	L1 fixed	38.321	8.6	2.960	1.736	1.610
2886	1	L1 fixed	38.319	14.4	2.343	1.685	1.610
2886	2	L1 fixed	46.033	8.6	4.237	1.736	1.730
2886	2	L1 fixed	46.032	4.3	4.538	1.685	1.730
2886	3	L1 fixed	199.986	4.6	3.564	1.736	1.694

2887	1	L1 fixed	2232.392	19.8	2.605	1.795	1.610
2887	1	L1 fixed	2232.390	19.0	3.514	1.769	1.610
2887	2	L1 fixed	2262.807	19.2	2.918	1.795	1.730
2887	2	L1 fixed	2262.808	31.8	2.156	1.769	1.730
2887	3	L1 fixed	2301.739	21.4	2.513	1.795	1.694
2887	3	L1 fixed	2301.738	27.6	2.521	1.769	1.694

**** SSF/SSK Solution Output Files For Selected Baselines ****

.ssf/.ssk Solution Output File	From Station Short Name	To Station Short Name	Solution Type	Slope	Ratio	Reference Variance
00006596.ssf	1	2	L1 fixed	30.488	45.5	0.871
00006672.ssf	1	3	L1 fixed	166.622	15.5	0.793
00006636.ssf	2	3	L1 fixed	155.848	4.6	3.484
00006584.ssf	2155	1	L1 fixed	2449.728	26.8	2.506
00006640.ssf	2155	1	L1 fixed	2449.723	32.4	4.596
00006588.ssf	2155	2	L1 fixed	2468.903	30.5	2.463
00006644.ssf	2155	2	L1 fixed	2468.902	21.8	3.476
00006592.ssf	2155	3	L1 fixed	2384.443	27.9	2.459
00006648.ssf	2155	3	L1 fixed	2384.441	38.1	3.830
00006624.ssf	2158	1	L1 fixed	4984.712	3.7	2.904
00006676.ssf	2158	1	L1 fixed	4984.711	7.7	2.914
00006628.ssf	2158	2	L1 fixed	4991.468	4.3	2.749
00006680.ssf	2158	2	L1 fixed	4991.465	8.3	2.512
00006632.ssf	2158	3	L1 fixed	5146.854	4.6	1.964
00006612.ssf	2886	1	L1 fixed	38.321	8.6	2.960
00006664.ssf	2886	1	L1 fixed	38.319	14.4	2.343
00006616.ssf	2886	2	L1 fixed	46.033	8.6	4.237
00006668.ssf	2886	2	L1 fixed	46.032	4.3	4.538
00006620.ssf	2886	3	L1 fixed	199.986	4.6	3.564
00006600.ssf	2887	1	L1 fixed	2232.392	19.8	2.605
00006652.ssf	2887	1	L1 fixed	2232.390	19.0	3.514
00006604.ssf	2887	2	L1 fixed	2262.807	19.2	2.918
00006656.ssf	2887	2	L1 fixed	2262.808	31.8	2.156
00006608.ssf	2887	3	L1 fixed	2301.739	21.4	2.513
00006660.ssf	2887	3	L1 fixed	2301.738	27.6	2.521

Project Name: HDR
 Processed: Friday, October 25, 2013 16:29
 WAVE 2.35
 Solution Output File (SSF): 00006596.SSF

From Station: 1
 Data file: 87452980.DAT
 Antenna Height (meters): 1.672 True Vertical 1.610 Uncorrected
 Position Quality: Fixed Baseline Solution

WGS 84 Position: 48° 01' 50.871482" S X -2348705.365
 123° 20' 25.960176" S Y -3570054.254
 297.843 Z 4719388.470

To Station: 2
 Data file: 38232980.DAT
 Antenna Height (meters): 1.792 True Vertical 1.730 Uncorrected

WGS 84 Position: 48° 01' 49.891447" S X -2348720.983
 123° 20' 26.103428" S Y -3570072.593
 299.934 Z 4719369.781

Start Time: 10/26/07 17:28:00.00 GPS (1450 494880.00)
 Stop Time: 10/26/07 18:08:00.00 GPS (1450 497280.00)
 Occupation Time Meas. Interval (seconds): 00:40:00.00 15.00

Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

Ephemeris: Broadcast
 Met Data: Standard
 Baseline Slope Distance Std. Dev. (meters): 30.488 0.000476

	Forward		Backward	
Normal Section Azimuth:	185° 35'	58.545709"	5° 35'	58.439221"
Vertical Angle:	3° 55'	54.870702"	-3° 55'	55.855408"

Baseline Components (meters):	dx	-15.618	dy	-18.339	dz	-18.689
Standard Deviations (meters):		0.000411		0.000543		0.000565
	dn	-30.271	de	-2.968	du	2.091
		0.000471		0.000265		0.000701
					dh	2.091
						0.000701

Aposteriori Covariance Matrix: 1.687983E-007
 1.492217E-007 2.953846E-007
 -9.163936E-008 -1.071050E-007 3.196525E-007

Variance Ratio Cutoff: 45.5 1.5

Reference Variance: 0.871

Observable Count/Rejected RMS: L1 phase 904/0 0.003

Project Name: HDR
 Processed: Friday, October 25, 2013 20:02
 WAVE 2.35

Solution Output File (SSF): 00006672.SSF

From Station: 1
 Data file: 87452980.DAT
 Antenna Height (meters): 1.672 True Vertical 1.610 Uncorrected
 Position Quality: Fixed Baseline Solution

WGS 84 Position: 48° 01' 50.871625" S X -2348705.377
 123° 20' 25.960576" S Y -3570054.257
 297.862 Z 4719388.487

To Station: 3
 Data file: 38222980.DAT
 Antenna Height (meters): 1.756 True Vertical 1.694 Uncorrected

WGS 84 Position: 48° 01' 48.993120" S X -2348856.464
 123° 20' 33.489721" S Y -3570000.095
 289.868 Z 4719343.741

Start Time: 10/26/07 17:22:00.00 GPS (1450 494520.00)
 Stop Time: 10/26/07 18:02:00.00 GPS (1450 496920.00)
 Occupation Time Meas. Interval (seconds): 00:40:00.00 15.00

Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

Ephemeris: Broadcast
 Met Data: Standard

Baseline Slope Distance Std. Dev. (meters): 166.622 0.001036

	Forward		Backward	
Normal Section Azimuth:	249° 35'	49.813377"	69° 35'	44.215194"
Vertical Angle:	-2° 45'	03.392086"	2° 44'	58.018078"

Baseline Components (meters):	dx	-151.087	dy	54.163	dz	-44.746
Standard Deviations (meters):		0.000607		0.000973		0.003605
	dn	-58.021	de	-155.989	du	-7.997
		0.001853		0.000460		0.003266
					dh	-7.995
						0.003266

Apriori Covariance Matrix: 3.683640E-007

3.612191E-007	9.472127E-007	
-1.134482E-006	-2.852145E-006	1.299586E-005

Variance Ratio	Cutoff:	15.5	1.5
Reference Variance:		0.793	

Observable	Count/Rejected	RMS:	L1 phase	482/0	0.003
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Project Name: HDR
 Processed: Friday, October 25, 2013 19:12
 WAVE 2.35
 Solution Output File (SSF): 00006636.SSF

From Station: 2
 Data file: 38232980.DAT
 Antenna Height (meters): 1.792 True Vertical 1.730 Uncorrected
 Position Quality: Fixed Baseline Solution

WGS 84 Position:	48° 01' 49.891836" S	X	-2348720.987
	123° 20' 26.103574" S	Y	-3570072.595
	299.953	Z	4719369.803

To Station: 3
 Data file: 38222980.DAT
 Antenna Height (meters): 1.756 True Vertical 1.694 Uncorrected

WGS 84 Position:	48° 01' 48.993399" S	X	-2348856.467
	123° 20' 33.489711" S	Y	-3570000.100
	289.886	Z	4719343.761

Start Time:	10/26/07 16:30:00.00 GPS	(1450 491400.00)
Stop Time:	10/26/07 16:48:00.00 GPS	(1450 492480.00)
Occupation Time	Meas. Interval (seconds): 00:18:00.00	15.00

Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

Ephemeris: Broadcast
 Met Data: Standard
 Baseline Slope Distance Std. Dev. (meters): 155.848 0.000944

		Forward		Backward
Normal Section Azimuth:	259° 43' 19.529805"		79° 43' 14.038042"	
Vertical Angle:	-3° 42' 15.048065"		3° 42' 10.027644"	

Baseline Components (meters):	dx	-135.480	dy	72.495	dz	-26.042
Standard Deviations (meters):		0.001263		0.001497		0.002803
	dn	-27.749	de	-153.027	du	-10.069
		0.001351		0.000904		0.003008

				dh	-10.067
					0.003008
Aposteriori Covariance Matrix:			1.595347E-006		
			1.059431E-006	2.240891E-006	
			-2.011408E-006	-2.716767E-006	7.855054E-006
Variance Ratio	Cutoff:	4.6	1.5		
Reference Variance:		3.484			
Observable	Count/Rejected	RMS:	L1 phase	358/0	0.007
Project Name:			HDR		
Processed:			Friday, October 25, 2013 16:00		
			WAVE 2.35		
Solution Output File (SSF):			00006584.SSF		
From Station:			2155		
Data file:			33752980.DAT		
Antenna Height (meters):			1.695 True Vertical	1.633	Uncorrected
Position Quality:			Network Adjustment		
WGS 84 Position:			48° 02' 46.505700" S	X	-2349488.595
			123° 21' 50.157000" S	Y	-3568071.853
			376.380	Z	4720595.866
To Station:			1		
Data file:			87452980.DAT		
Antenna Height (meters):			1.672 True Vertical	1.610	Uncorrected
WGS 84 Position:			48° 01' 50.871482" S	X	-2348705.365
			123° 20' 25.960176" S	Y	-3570054.254
			297.843	Z	4719388.470
Start Time:			10/26/07 15:27:00.00 GPS	(1450 487620.00)	
Stop Time:			10/26/07 16:36:15.00 GPS	(1450 491775.00)	
Occupation Time	Meas. Interval (seconds):		01:09:15.00	15.00	
Solution Type:			L1 fixed double difference		
Solution Acceptability:			Passed ratio test		
Ephemeris:			Broadcast		
Met Data:			Standard		
Baseline Slope Distance	Std. Dev. (meters):		2449.728	0.000471	
			Forward		Backward
Normal Section Azimuth:			134° 33' 57.870877"		314° 35' 00.482997"
Vertical Angle:			-1° 50' 53.455482"		1° 49' 34.307155"
Baseline Components (meters):		dx	783.230	dy	-1982.401
Standard Deviations (meters):			0.000816		0.001169
				dz	-1207.396
					0.001384

dn	-1718.157	de	1744.380	du	-79.007
	0.000536		0.000454		0.001859
				dh	-78.537
					0.001859

Aposteriori Covariance Matrix:	6.659973E-007			
	7.306201E-007	1.366001E-006		
	-8.184703E-007	-1.361676E-006	1.916518E-006	

Variance Ratio	Cutoff:	26.8	1.5
Reference Variance:		2.506	

Observable	Count/Rejected	RMS:	L1 phase	1067/0	0.006
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Project Name: HDR
 Processed: Friday, October 25, 2013 19:21
 WAVE 2.35
 Solution Output File (SSF): 00006640.SSF

From Station: 2155
 Data file: 33752982.DAT
 Antenna Height (meters): 1.667 True Vertical 1.605 Uncorrected
 Position Quality: Network Adjustment

WGS 84 Position:	48° 02' 46.505700" S	X	-2349488.595
	123° 21' 50.157000" S	Y	-3568071.853
	376.380	Z	4720595.866

To Station: 1
 Data file: 87452980.DAT
 Antenna Height (meters): 1.672 True Vertical 1.610 Uncorrected

WGS 84 Position:	48° 01' 50.871446" S	X	-2348705.377
	123° 20' 25.960513" S	Y	-3570054.259
	297.858	Z	4719388.480

Start Time:	10/26/07 17:59:30.00 GPS	(1450 496770.00)
Stop Time:	10/26/07 19:24:30.00 GPS	(1450 501870.00)
Occupation Time	Meas. Interval (seconds): 01:25:00.00	15.00

Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

Ephemeris: Broadcast
 Met Data: Standard
 Baseline Slope Distance Std. Dev. (meters): 2449.723 0.000598

Normal Section Azimuth:	Forward	Backward
	134° 33' 58.350263"	314° 35' 00.962132"

Vertical Angle:	-1° 50' 52.185099"	1° 49' 33.036907"
Baseline Components (meters):	dx 783.218	dy -1982.406
Standard Deviations (meters):	0.000680	0.001204
	dz -1207.386	0.001339
	dn -1718.158	de 1744.373
	0.000707	0.000580
	du -78.992	0.001693
	dh -78.522	0.001693
Aposteriori Covariance Matrix:	4.627292E-007	
	4.620954E-007	1.449222E-006
	-3.460717E-007	-1.183421E-006
		1.792813E-006
Variance Ratio Cutoff:	32.4	1.5
Reference Variance:	4.596	
Observable Count/Rejected RMS:	L1 phase	1651/0 0.007
Project Name:	HDR	
Processed:	Friday, October 25, 2013 16:03	
	WAVE 2.35	
Solution Output File (SSF):	00006588.SSF	
From Station:	2155	
Data file:	33752980.DAT	
Antenna Height (meters):	1.695 True Vertical	1.633 Uncorrected
Position Quality:	Network Adjustment	
WGS 84 Position:	48° 02' 46.505700" S	X -2349488.595
	123° 21' 50.157000" S	Y -3568071.853
	376.380	Z 4720595.866
To Station:	2	
Data file:	38232980.DAT	
Antenna Height (meters):	1.792 True Vertical	1.730 Uncorrected
WGS 84 Position:	48° 01' 49.891476" S	X -2348720.978
	123° 20' 26.103303" S	Y -3570072.592
	299.929	Z 4719369.778
Start Time:	10/26/07 15:28:00.00 GPS	(1450 487680.00)
Stop Time:	10/26/07 16:36:15.00 GPS	(1450 491775.00)
Occupation Time Meas. Interval (seconds):	01:08:15.00	15.00
Solution Type:	L1 fixed double difference	
Solution Acceptability:	Passed ratio test	
Ephemeris:	Broadcast	
Met Data:	Standard	

Baseline Slope Distance	Std. Dev. (meters):	2468.903	0.000501
		Forward	Backward
Normal Section Azimuth:		135° 06' 53.936373"	315° 07' 56.441831"
Vertical Angle:		-1° 47' 08.006899"	1° 45' 48.234019"
Baseline Components (meters):	dx	767.616	dz -1226.088
Standard Deviations (meters):		0.000845	0.001228
	dy	-2000.738	
	dn	-1748.428	du -76.928
		0.000579	0.000454
	de	1741.425	
			0.002072
			dh -76.451
			0.002072
Aposteriori Covariance Matrix:		7.144975E-007	
		8.146853E-007	1.507630E-006
		-1.008337E-006	-1.681346E-006
			2.612237E-006
Variance Ratio	Cutoff:	30.5	1.5
Reference Variance:		2.463	
Observable	Count/Rejected	RMS:	
		L1 phase	994/0 0.006
Project Name:	HDR		
Processed:	Friday, October 25, 2013 19:25		
	WAVE 2.35		
Solution Output File (SSF):	00006644.SSF		
From Station:	2155		
Data file:	33752982.DAT		
Antenna Height (meters):	1.667 True Vertical	1.605	Uncorrected
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 02' 46.505700" S	X	-2349488.595
	123° 21' 50.157000" S	Y	-3568071.853
	376.380	Z	4720595.866
To Station:	2		
Data file:	38232980.DAT		
Antenna Height (meters):	1.792 True Vertical	1.730	Uncorrected
WGS 84 Position:	48° 01' 49.891255" S	X	-2348720.990
	123° 20' 26.103694" S	Y	-3570072.594
	299.934	Z	4719369.777
Start Time:	10/26/07 17:59:30.00 GPS	(1450 496770.00)	
Stop Time:	10/26/07 19:24:30.00 GPS	(1450 501870.00)	
Occupation Time	Meas. Interval (seconds):	01:25:00.00	15.00
Solution Type:	L1 fixed double difference		

Solution Acceptability:	Passed ratio test				
Ephemeris:	Broadcast				
Met Data:	Standard				
Baseline Slope Distance	Std. Dev. (meters):	2468.902	0.000710		
Normal Section Azimuth:		Forward		Backward	
Vertical Angle:		135° 06' 54.818521"		315° 07' 57.323688"	
		-1° 47' 07.603170"		1° 45' 47.830317"	
Baseline Components (meters):	dx	767.605	dy	-2000.741	dz
Standard Deviations (meters):		0.000503		0.000998	0.001565
	dn	-1748.435	de	1741.417	du
		0.000826		0.000508	-76.923
					0.001661
				dh	-76.446
					0.001661
Aposteriori Covariance Matrix:		2.529122E-007			
		2.389937E-007	9.954701E-007		
		-3.257271E-007	-9.420300E-007	2.449641E-006	
Variance Ratio	Cutoff:	21.8	1.5		
Reference Variance:		3.476			
Observable	Count/Rejected	RMS:	L1 phase	1514/38	0.006
Project Name:	HDR				
Processed:	Friday, October 25, 2013 16:07				
	WAVE 2.35				
Solution Output File (SSF):	00006592.SSF				
From Station:	2155				
Data file:	33752980.DAT				
Antenna Height (meters):	1.695	True Vertical	1.633	Uncorrected	
Position Quality:	Network Adjustment				
WGS 84 Position:	48° 02' 46.505700" S		X	-2349488.595	
	123° 21' 50.157000" S		Y	-3568071.853	
	376.380		Z	4720595.866	
To Station:	3				
Data file:	38222980.DAT				
Antenna Height (meters):	1.756	True Vertical	1.694	Uncorrected	
WGS 84 Position:	48° 01' 48.993062" S		X	-2348856.446	
	123° 20' 33.489192" S		Y	-3570000.088	
	289.843		Z	4719343.722	
Start Time:	10/26/07 15:35:45.00	GPS	(1450 488145.00)		

Stop Time:	10/26/07 16:36:15.00 GPS	(1450 491775.00)
Occupation Time Meas. Interval (seconds):	01:00:30.00	15.00
Solution Type:	L1 fixed double difference	
Solution Acceptability:	Passed ratio test	
Ephemeris:	Broadcast	
Met Data:	Standard	
Baseline Slope Distance Std. Dev. (meters):	2384.443	0.000507
Normal Section Azimuth:	Forward 138° 11' 41.594377"	Backward 318° 12' 38.608092"
Vertical Angle:	-2° 05' 25.959255"	2° 04' 08.916694"
Baseline Components (meters):	dx 632.148 dy -1928.235 dz -1252.144	
Standard Deviations (meters):	0.000869 0.001295 0.001522	
	dn -1776.220 de 1588.409 du -86.982	
	0.000560 0.000486 0.002049	
		dh -86.537
		0.002049
Aposteriori Covariance Matrix:	7.548394E-007	
	8.687782E-007	1.677986E-006
	-9.809087E-007	-1.686693E-006 2.316445E-006
Variance Ratio Cutoff:	27.9	1.5
Reference Variance:	2.459	
Observable Count/Rejected RMS:	L1 phase	949/0 0.006
Project Name:	HDR	
Processed:	Friday, October 25, 2013 19:29	
	WAVE 2.35	
Solution Output File (SSF):	00006648.SSF	
From Station:	2155	
Data file:	33752982.DAT	
Antenna Height (meters):	1.667 True Vertical	1.605 Uncorrected
Position Quality:	Network Adjustment	
WGS 84 Position:	48° 02' 46.505700" S	X -2349488.595
	123° 21' 50.157000" S	Y -3568071.853
	376.380	Z 4720595.866
To Station:	3	
Data file:	38222980.DAT	
Antenna Height (meters):	1.756 True Vertical	1.694 Uncorrected
WGS 84 Position:	48° 01' 48.992922" S	X -2348856.460

	123° 20' 33.489537" S	Y	-3570000.096
	289.860	Z	4719343.731
Start Time:	10/26/07 17:59:30.00 GPS	(1450 496770.00)	
Stop Time:	10/26/07 19:24:30.00 GPS	(1450 501870.00)	
Occupation Time	Meas. Interval (seconds): 01:25:00.00	15.00	
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters): 2384.441	0.000556	
Normal Section Azimuth:	Forward 138° 11' 42.305942"	Backward 318° 12' 39.319400"	
Vertical Angle:	-2° 05' 24.554419"	2° 04' 07.511907"	
Baseline Components (meters):	dx 632.134	dy -1928.243	dz -1252.135
Standard Deviations (meters):	0.000660	0.001104	0.001207
	dn -1776.224	de 1588.402	du -86.965
	0.000667	0.000524	0.001547
		dh -86.520	0.001547
Aposteriori Covariance Matrix:	4.357330E-007		
	4.338894E-007	1.219746E-006	
	-3.069318E-007	-9.655254E-007	1.456899E-006
Variance Ratio	Cutoff: 38.1	1.5	
Reference Variance:	3.830		
Observable	Count/Rejected	RMS:	
		L1 phase	1618/1 0.006
Project Name:	HDR		
Processed:	Friday, October 25, 2013 18:53		
	WAVE 2.35		
Solution Output File (SSF):	00006624.SSF		
From Station:	2158		
Data file:	33752981.DAT		
Antenna Height (meters):	1.603 True Vertical	1.541 Uncorrected	
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 02' 10.696100" S	X	-2344329.606
	123° 16' 27.173500" S	Y	-3572403.276
	321.170	Z	4719815.284
To Station:	1		

Data file:	87452980.DAT				
Antenna Height (meters):	1.672	True Vertical	1.610	Uncorrected	
WGS 84 Position:	48° 01' 50.871767" S		X	-2348705.370	
	123° 20' 25.960315" S		Y	-3570054.257	
	297.861		Z	4719388.489	
Start Time:	10/26/07 17:00:45.00	GPS	(1450 493245.00)		
Stop Time:	10/26/07 17:28:15.00	GPS	(1450 494895.00)		
Occupation Time	Meas. Interval (seconds):	00:27:30.00	15.00		
Solution Type:	L1 fixed double difference				
Solution Acceptability:	Passed ratio test				
Ephemeris:	Broadcast				
Met Data:	Standard				
Baseline Slope Distance	Std. Dev. (meters):	4984.712	0.000715		
Normal Section Azimuth:		Forward		Backward	
Vertical Angle:		262° 58' 06.369008"		82° 55' 08.822004"	
		-0° 17' 24.989037"		0° 14' 44.087501"	
Baseline Components (meters):	dx	-4375.764	dy	2349.019	dz -426.795
Standard Deviations (meters):		0.000986		0.001232	0.001325
	dn	-610.201	de	-4947.158	du -25.254
		0.000903		0.000696	0.001717
				dh	-23.309
					0.001717
Aposteriori Covariance Matrix:		9.726658E-007			
		7.117435E-007	1.518560E-006		
		-5.155583E-007	-9.605255E-007	1.755638E-006	
Variance Ratio	Cutoff:	3.7	1.5		
Reference Variance:		2.904			
Observable	Count/Rejected	RMS:	L1 phase	549/0	0.007
Project Name:	HDR				
Processed:	Friday, October 25, 2013 20:11				
	WAVE 2.35				
Solution Output File (SSF):	00006676.SSF				
From Station:	2158				
Data file:	33752983.DAT				
Antenna Height (meters):	1.663	True Vertical	1.601	Uncorrected	
Position Quality:	Network Adjustment				
WGS 84 Position:	48° 02' 10.696100" S		X	-2344329.606	

123° 16' 27.173500" S	Y	-3572403.276
321.170	Z	4719815.284

To Station:	1
Data file:	87452981.DAT
Antenna Height (meters):	1.672 True Vertical 1.610 Uncorrected

WGS 84 Position:	48° 01' 50.871967" S	X	-2348705.370
	123° 20' 25.960297" S	Y	-3570054.257
	297.868	Z	4719388.498

Start Time:	10/26/07 20:00:15.00 GPS	(1450 504015.00)
Stop Time:	10/26/07 20:54:15.00 GPS	(1450 507255.00)
Occupation Time Meas. Interval (seconds):	00:54:00.00	15.00

Solution Type:	L1 fixed double difference
Solution Acceptability:	Passed ratio test

Ephemeris:	Broadcast
Met Data:	Standard
Baseline Slope Distance Std. Dev. (meters):	4984.711 0.000714

	Forward	Backward
Normal Section Azimuth:	262° 58' 06.620039"	82° 55' 09.073048"
Vertical Angle:	-0° 17' 24.679418"	0° 14' 43.777917"

Baseline Components (meters):	dx	-4375.764	dy	2349.019	dz	-426.785
Standard Deviations (meters):		0.001239		0.001749		0.001533
	dn	-610.195	de	-4947.157	du	-25.246
		0.001113		0.000773		0.002261
					dh	-23.302
						0.002261

Aposteriori Covariance Matrix:	1.536016E-006		
	1.522966E-006	3.059611E-006	
	-1.507194E-006	-1.444479E-006	2.350601E-006

Variance Ratio Cutoff:	7.7	1.5
Reference Variance:	2.914	

Observable Count/Rejected RMS:	L1 phase	651/0	0.005
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Project Name:	HDR
Processed:	Friday, October 25, 2013 18:57
	WAVE 2.35
Solution Output File (SSF):	00006628.SSF

From Station:	2158
Data file:	33752981.DAT

Antenna Height (meters):	1.603 True Vertical	1.541 Uncorrected	
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 02' 10.696100" S	X	-2344329.606
	123° 16' 27.173500" S	Y	-3572403.276
	321.170	Z	4719815.284
To Station:	2		
Data file:	38232980.DAT		
Antenna Height (meters):	1.792 True Vertical	1.730 Uncorrected	
WGS 84 Position:	48° 01' 49.891836" S	X	-2348720.987
	123° 20' 26.103574" S	Y	-3570072.595
	299.953	Z	4719369.803
Start Time:	10/26/07 17:00:45.00 GPS	(1450 493245.00)	
Stop Time:	10/26/07 17:28:15.00 GPS	(1450 494895.00)	
Occupation Time	Meas. Interval (seconds):	00:27:30.00	15.00
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters):	4991.468	0.000762
Normal Section Azimuth:	Forward		Backward
Vertical Angle:	262° 37' 40.230772"		82° 34' 42.577641"
	-0° 15' 57.326769"		0° 13' 16.206148"
Baseline Components (meters):	dx	-4391.381	dy
Standard Deviations (meters):		0.001119	0.001233
	dn	-640.467	de
		0.000879	0.000750
			du
			-23.167
			0.001888
			dh
			-21.217
			0.001888
Aposteriori Covariance Matrix:	1.252333E-006		
	8.406709E-007	1.521029E-006	
	-8.798101E-007	-1.106401E-006	2.124160E-006
Variance Ratio	Cutoff:	4.3	1.5
Reference Variance:		2.749	
Observable	Count/Rejected	RMS:	L1 phase
			500/0
			0.006
Project Name:	HDR		
Processed:	Friday, October 25, 2013 20:15		
	WAVE 2.35		

Solution Output File (SSF):	00006680.SSF																
From Station:	2158																
Data file:	33752983.DAT																
Antenna Height (meters):	1.663	True Vertical	1.601	Uncorrected													
Position Quality:	Network Adjustment																
WGS 84 Position:	48° 02' 10.696100" S		X	-2344329.606													
	123° 16' 27.173500" S		Y	-3572403.276													
	321.170		Z	4719815.284													
To Station:	2																
Data file:	38232981.DAT																
Antenna Height (meters):	1.792	True Vertical	1.730	Uncorrected													
WGS 84 Position:	48° 01' 49.891966" S		X	-2348720.987													
	123° 20' 26.103461" S		Y	-3570072.599													
	299.962		Z	4719369.813													
Start Time:	10/26/07 20:00:15.00	GPS	(1450 504015.00)														
Stop Time:	10/26/07 20:54:15.00	GPS	(1450 507255.00)														
Occupation Time	Meas. Interval (seconds):	00:54:00.00	15.00														
Solution Type:	L1 fixed double difference																
Solution Acceptability:	Passed ratio test																
Ephemeris:	Broadcast																
Met Data:	Standard																
Baseline Slope Distance	Std. Dev. (meters):	4991.465	0.000663														
Normal Section Azimuth:		Forward		Backward													
Vertical Angle:		262° 37' 40.382623"		82° 34' 42.729577"													
		-0° 15' 56.962783"		0° 13' 15.842254"													
Baseline Components (meters):	dx	-4391.381	dy	2330.677	dz												
Standard Deviations (meters):		0.001151		0.001628	0.001428												
	dn	-640.463	de	-4950.151	du												
		0.001038		0.000721	0.002102												
				dh	-21.208												
					0.002102												
Aposteriori Covariance Matrix:	<table border="0"> <tr> <td>1.324301E-006</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.312466E-006</td> <td>2.650028E-006</td> <td></td> <td></td> </tr> <tr> <td>-1.302049E-006</td> <td>-1.244604E-006</td> <td>2.040521E-006</td> <td></td> </tr> </table>					1.324301E-006				1.312466E-006	2.650028E-006			-1.302049E-006	-1.244604E-006	2.040521E-006	
1.324301E-006																	
1.312466E-006	2.650028E-006																
-1.302049E-006	-1.244604E-006	2.040521E-006															
Variance Ratio	Cutoff:	8.3	1.5														
Reference Variance:		2.512															
Observable	Count/Rejected	RMS:	L1 phase	647/0	0.005												

Project Name: HDR
 Processed: Friday, October 25, 2013 19:02
 WAVE 2.35
 Solution Output File (SSF): 00006632.SSF

From Station: 2158
 Data file: 33752981.DAT
 Antenna Height (meters): 1.603 True Vertical 1.541 Uncorrected
 Position Quality: Network Adjustment

WGS 84 Position: 48° 02' 10.696100" S X -2344329.606
 123° 16' 27.173500" S Y -3572403.276
 321.170 Z 4719815.284

To Station: 3
 Data file: 38222980.DAT
 Antenna Height (meters): 1.756 True Vertical 1.694 Uncorrected

WGS 84 Position: 48° 01' 48.993385" S X -2348856.466
 123° 20' 33.489938" S Y -3570000.090
 289.873 Z 4719343.751

Start Time: 10/26/07 17:00:45.00 GPS (1450 493245.00)
 Stop Time: 10/26/07 17:28:15.00 GPS (1450 494895.00)
 Occupation Time Meas. Interval (seconds): 00:27:30.00 15.00

Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

Ephemeris: Broadcast
 Met Data: Standard
 Baseline Slope Distance Std. Dev. (meters): 5146.854 0.000878

	Forward		Backward	
Normal Section Azimuth:	262° 32'	29.638415"	82° 29'	26.493494"
Vertical Angle:	-0° 22'	17.327914"	0° 19'	31.192804"

Baseline Components (meters):	dx	-4526.860	dy	2403.186	dz	-471.533
Standard Deviations (meters):		0.001428		0.001158		0.001705
	dn	-668.083	de	-5103.201	du	-33.370
		0.000744		0.000885		0.002225
					dh	-31.297
						0.002225

Aposteriori Covariance Matrix:

2.038773E-006		
1.140274E-006	1.341758E-006	
-1.888456E-006	-1.385088E-006	2.906174E-006

Variance Ratio	Cutoff:	4.6	1.5
Reference Variance:		1.964	

Observable	Count/Rejected	RMS:	L1 phase	444/0	0.005
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Project Name:	HDR
Processed:	Friday, October 25, 2013 16:47
	WAVE 2.35
Solution Output File (SSF):	00006612.SSF

From Station:	2886
Data file:	87422981.DAT
Antenna Height (meters):	1.798 True Vertical
Position Quality:	Network Adjustment

WGS 84 Position:	48° 01' 50.612900" S	X	-2348678.909
	123° 20' 24.161200" S	Y	-3570081.854
	301.700	Z	4719385.996

To Station:	1
Data file:	87452980.DAT
Antenna Height (meters):	1.672 True Vertical

WGS 84 Position:	48° 01' 50.871689" S	X	-2348705.372
	123° 20' 25.960605" S	Y	-3570054.249
	297.851	Z	4719388.480

Start Time:	10/26/07 16:47:45.00 GPS	(1450 492465.00)
Stop Time:	10/26/07 17:28:15.00 GPS	(1450 494895.00)
Occupation Time	Meas. Interval (seconds):	00:40:30.00 15.00

Solution Type:	L1 fixed double difference
Solution Acceptability:	Passed ratio test

Ephemeris:	Broadcast
Met Data:	Standard
Baseline Slope Distance	Std. Dev. (meters):

	38.321	0.000630
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		Forward		Backward
Normal Section Azimuth:	282° 06' 07.537757"		102° 06' 06.199969"	
Vertical Angle:	-5° 45' 54.680474"		5° 45' 53.449643"	

Baseline Components (meters):	dx	-26.463	dy	27.605	dz	2.483
Standard Deviations (meters):		0.000834		0.000958		0.001385
	dn	7.994	de	-37.280	du	-3.849
		0.000753		0.000622		0.001606
				dh	-3.849	
					0.001606	

Aposteriori Covariance Matrix:		6.951397E-007			
		4.091866E-007	9.175381E-007		
		-6.436293E-007	-7.436242E-007	1.918638E-006	
Variance Ratio	Cutoff:	8.6	1.5		
Reference Variance:		2.960			
Observable	Count/Rejected	RMS:	L1 phase	745/0	0.008
Project Name:	HDR				
Processed:	Friday, October 25, 2013 19:51				
	WAVE 2.35				
Solution Output File (SSF):	00006664.SSF				
From Station:	2886				
Data file:	87422983.DAT				
Antenna Height (meters):	1.747	True Vertical	1.685	Uncorrected	
Position Quality:	Network Adjustment				
WGS 84 Position:	48° 01' 50.612900" S		X	-2348678.909	
	123° 20' 24.161200" S		Y	-3570081.854	
	301.700		Z	4719385.996	
To Station:	1				
Data file:	87452980.DAT				
Antenna Height (meters):	1.672	True Vertical	1.610	Uncorrected	
WGS 84 Position:	48° 01' 50.871625" S		X	-2348705.377	
	123° 20' 25.960576" S		Y	-3570054.257	
	297.862		Z	4719388.487	
Start Time:	10/26/07 19:22:30.00	GPS	(1450 501750.00)		
Stop Time:	10/26/07 19:51:45.00	GPS	(1450 503505.00)		
Occupation Time	Meas. Interval (seconds):	00:29:15.00	15.00		
Solution Type:	L1 fixed double difference				
Solution Acceptability:	Passed ratio test				
Ephemeris:	Broadcast				
Met Data:	Standard				
Baseline Slope Distance	Std. Dev. (meters):	38.319	0.001291		
Normal Section Azimuth:		Forward		Backward	
Vertical Angle:		282° 05' 57.765848"		102° 05' 56.428082"	
		-5° 44' 52.809406"		5° 44' 51.578606"	
Baseline Components (meters):	dx	-26.468	dy	27.597	dz
Standard Deviations (meters):		0.000669		0.001867	0.001686
	dn	7.992	de	-37.279	du
		0.000709		0.001100	0.002250

				dh	-3.838
					0.002250
Apriori Covariance Matrix:			4.470594E-007		
			1.675790E-007	3.485728E-006	
			-3.705317E-007	-2.493315E-006	2.843949E-006
Variance Ratio	Cutoff:	14.4	1.5		
Reference Variance:		2.343			
Observable	Count/Rejected	RMS:	L1 phase	583/0	0.006
Project Name:			HDR		
Processed:			Friday, October 25, 2013 16:49		
			WAVE 2.35		
Solution Output File (SSF):			00006616.SSF		
From Station:			2886		
Data file:			87422981.DAT		
Antenna Height (meters):			1.798 True Vertical	1.736	Uncorrected
Position Quality:			Network Adjustment		
WGS 84 Position:			48° 01' 50.612900" S	X	-2348678.909
			123° 20' 24.161200" S	Y	-3570081.854
			301.700	Z	4719385.996
To Station:			2		
Data file:			38232980.DAT		
Antenna Height (meters):			1.792 True Vertical	1.730	Uncorrected
WGS 84 Position:			48° 01' 49.891737" S	X	-2348720.988
			123° 20' 26.103769" S	Y	-3570072.589
			299.943	Z	4719369.794
Start Time:			10/26/07 16:47:45.00 GPS	(1450 492465.00)	
Stop Time:			10/26/07 17:28:15.00 GPS	(1450 494895.00)	
Occupation Time	Meas. Interval (seconds):		00:40:30.00	15.00	
Solution Type:			L1 fixed double difference		
Solution Acceptability:			Passed ratio test		
Ephemeris:			Broadcast		
Met Data:			Standard		
Baseline Slope Distance	Std. Dev. (meters):		46.033	0.000710	
			Forward		Backward
Normal Section Azimuth:			241° 02' 12.568778"		61° 02' 11.124401"
Vertical Angle:			-2° 11' 16.762861"		2° 11' 15.277051"
Baseline Components (meters):		dx	-42.079	dy	9.266
				dz	-16.203

Standard Deviations (meters):	0.000855	0.001070	0.001395
dn	-22.275	de	-40.246
	0.000875		0.000642
		du	-1.757
			0.001626
		dh	-1.757
			0.001626
Aposteriori Covariance Matrix:	7.302524E-007		
	4.831838E-007	1.145307E-006	
	-5.050169E-007	-7.681684E-007	1.945032E-006
Variance Ratio	8.6	1.5	
Cutoff:			
Reference Variance:	4.237		
Observable	Count/Rejected	RMS:	
L1 phase		856/0	0.009
Project Name:	HDR		
Processed:	Friday, October 25, 2013 19:57		
	WAVE 2.35		
Solution Output File (SSF):	00006668.SSF		
From Station:	2886		
Data file:	87422983.DAT		
Antenna Height (meters):	1.747 True Vertical	1.685	Uncorrected
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 01' 50.612900" S	X	-2348678.909
	123° 20' 24.161200" S	Y	-3570081.854
	301.700	Z	4719385.996
To Station:	2		
Data file:	38232980.DAT		
Antenna Height (meters):	1.792 True Vertical	1.730	Uncorrected
WGS 84 Position:	48° 01' 49.891536" S	X	-2348720.992
	123° 20' 26.103579" S	Y	-3570072.602
	299.956	Z	4719369.799
Start Time:	10/26/07 19:22:30.00 GPS	(1450 501750.00)	
Stop Time:	10/26/07 19:51:30.00 GPS	(1450 503490.00)	
Occupation Time	Meas. Interval (seconds):	00:29:00.00	15.00
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters):	46.032	0.000706

Forward

Backward

Normal Section Azimuth:	241° 01' 39.635742"	61° 01' 38.191507"
Vertical Angle:	-2° 10' 18.697882"	2° 10' 17.212086"

Baseline Components (meters):	dx	-42.083	dy	9.252	dz	-16.197
Standard Deviations (meters):		0.000940		0.001177		0.002072
	dn	-22.281	de	-40.242	du	-1.744
		0.001368		0.000783		0.002019
					dh	-1.744
						0.002019

Aposteriori Covariance Matrix:	8.843926E-007		
	4.594458E-007	1.384598E-006	
	-1.117793E-006	-4.241115E-007	4.291777E-006

Variance Ratio	Cutoff:	4.3	1.5
Reference Variance:		4.538	

Observable	Count/Rejected	RMS:	L1 phase	675/0	0.008
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Project Name:	HDR
Processed:	Friday, October 25, 2013 17:05
	WAVE 2.35
Solution Output File (SSF):	00006620.SSF

From Station:	2886
Data file:	87422981.DAT
Antenna Height (meters):	1.798 True Vertical
Position Quality:	Network Adjustment

WGS 84 Position:	48° 01' 50.612900" S	X	-2348678.909
	123° 20' 24.161200" S	Y	-3570081.854
	301.700	Z	4719385.996

To Station:	3
Data file:	38222980.DAT
Antenna Height (meters):	1.756 True Vertical
	1.694 Uncorrected

WGS 84 Position:	48° 01' 48.993351" S	X	-2348856.453
	123° 20' 33.489591" S	Y	-3570000.084
	289.853	Z	4719343.735

Start Time:	10/26/07 16:47:45.00 GPS	(1450 492465.00)
Stop Time:	10/26/07 17:28:15.00 GPS	(1450 494895.00)
Occupation Time	Meas. Interval (seconds):	00:40:30.00 15.00

Solution Type:	L1 fixed double difference
Solution Acceptability:	Passed ratio test

Ephemeris:	Broadcast
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Met Data:		Standard	
Baseline Slope Distance	Std. Dev. (meters):	199.986	0.000933
		Forward	Backward
Normal Section Azimuth:		255° 29' 21.045317"	75° 29' 14.109370"
Vertical Angle:		-3° 23' 49.081417"	3° 23' 42.636395"
Baseline Components (meters):	dx	-177.544	dy 81.771 dz -42.261
Standard Deviations (meters):		0.001646	0.001278 0.002012
	dn	-50.021	de -193.266 du -11.850
		0.000842	0.001011 0.002581
			dh -11.847
			0.002581
Aposteriori Covariance Matrix:		2.709172E-006	
		1.483648E-006	1.632348E-006
		-2.562751E-006	-1.849549E-006 4.047505E-006
Variance Ratio	Cutoff:	4.6	1.5
Reference Variance:		3.564	
Observable	Count/Rejected	RMS:	L1 phase 648/0 0.009
Project Name:		HDR	
Processed:		Friday, October 25, 2013 16:34	
		WAVE 2.35	
Solution Output File (SSF):		00006600.SSF	
From Station:		2887	
Data file:		87422980.DAT	
Antenna Height (meters):		1.857 True Vertical 1.795 Uncorrected	
Position Quality:		Network Adjustment	
WGS 84 Position:		48° 03' 03.054850" S	X -2347693.590
		123° 20' 21.477100" S	Y -3568685.270
		235.330	Z 4720832.683
To Station:		1	
Data file:		87452980.DAT	
Antenna Height (meters):		1.672 True Vertical 1.610 Uncorrected	
WGS 84 Position:		48° 01' 50.871364" S	X -2348705.370
		123° 20' 25.960090" S	Y -3570054.266
		297.859	Z 4719388.479
Start Time:		10/26/07 15:36:30.00 GPS	(1450 488190.00)
Stop Time:		10/26/07 16:30:15.00 GPS	(1450 491415.00)
Occupation Time	Meas. Interval (seconds):	00:53:45.00	15.00

Solution Type:	L1 fixed double difference					
Solution Acceptability:	Passed ratio test					
Ephemeris:	Broadcast					
Met Data:	Standard					
Baseline Slope Distance	Std. Dev. (meters):	2232.392	0.000623			
Normal Section Azimuth:		Forward		Backward		
Vertical Angle:		182° 23' 07.401615"		2° 23' 04.068220"		
		1° 35' 42.048795"		-1° 36' 54.294484"		
Baseline Components (meters):	dx	-1011.781	dy	-1368.995	dz	-1444.204
Standard Deviations (meters):		0.000968		0.001415		0.001616
	dn	-2229.593	de	-92.878	du	62.138
		0.000608		0.000532		0.002214
				dh	62.529	
					0.002214	
Aposteriori Covariance Matrix:		9.372200E-007				
		1.063322E-006		2.002380E-006		
		-1.166384E-006		-1.962887E-006		2.612415E-006
Variance Ratio	Cutoff:	19.8	1.5			
Reference Variance:		2.605				
Observable	Count/Rejected	RMS:	L1 phase	844/3	0.006	
Project Name:	HDR					
Processed:	Friday, October 25, 2013 19:34					
	WAVE 2.35					
Solution Output File (SSF):	00006652.SSF					
From Station:	2887					
Data file:	87422982.DAT					
Antenna Height (meters):	1.831	True Vertical	1.769	Uncorrected		
Position Quality:	Network Adjustment					
WGS 84 Position:	48° 03' 03.054850" S		X	-2347693.590		
	123° 20' 21.477100" S		Y	-3568685.270		
	235.330		Z	4720832.683		
To Station:	1					
Data file:	87452980.DAT					
Antenna Height (meters):	1.672	True Vertical	1.610	Uncorrected		
WGS 84 Position:	48° 01' 50.871410" S		X	-2348705.367		
	123° 20' 25.960103" S		Y	-3570054.259		
	297.849		Z	4719388.473		

Start Time:	10/26/07 18:07:45.00	GPS	(1450 497265.00)
Stop Time:	10/26/07 19:02:15.00	GPS	(1450 500535.00)
Occupation Time	Meas. Interval (seconds):	00:54:30.00	15.00
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters):	2232.390	0.000861
Normal Section Azimuth:	Forward	Backward	
Vertical Angle:	182° 23' 07.433199"	2° 23' 04.099794"	
	1° 35' 41.158830"	-1° 36' 53.404473"	
Baseline Components (meters):	dx	-1011.777	dy -1368.989 dz -1444.210
Standard Deviations (meters):		0.000784	0.001275 0.001475
	dn	-2229.592	de -92.878 du 62.128
		0.000857	0.000585 0.001827
			dh 62.519
			0.001827
Aposteriori Covariance Matrix:	6.139794E-007		
	6.286949E-007	1.626338E-006	
	-4.111784E-007	-1.278333E-006	2.174452E-006
Variance Ratio	Cutoff:	19.0	1.5
Reference Variance:		3.514	
Observable	Count/Rejected	RMS:	L1 phase 1060/1 0.006
Project Name:	HDR		
Processed:	Friday, October 25, 2013 16:36		
	WAVE 2.35		
Solution Output File (SSF):	00006604.SSF		
From Station:	2887		
Data file:	87422980.DAT		
Antenna Height (meters):	1.857 True Vertical	1.795	Uncorrected
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 03' 03.054850" S	X	-2347693.590
	123° 20' 21.477100" S	Y	-3568685.270
	235.330	Z	4720832.683
To Station:	2		
Data file:	38232980.DAT		
Antenna Height (meters):	1.792 True Vertical	1.730	Uncorrected

WGS 84 Position:	48° 01' 49.891346" S	X	-2348720.983
	123° 20' 26.103208" S	Y	-3570072.603
	299.943	Z	4719369.786
Start Time:	10/26/07 15:36:30.00 GPS	(1450 488190.00)	
Stop Time:	10/26/07 16:30:15.00 GPS	(1450 491415.00)	
Occupation Time	Meas. Interval (seconds):	00:53:45.00	15.00
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters):	2262.807	0.000700
Normal Section Azimuth:	Forward	Backward	
Vertical Angle:	182° 25' 42.714129"	2° 25' 39.274330"	
	1° 37' 33.928966"	-1° 38' 47.157820"	
Baseline Components (meters):	dx	-1027.394	dy -1387.332 dz -1462.897
Standard Deviations (meters):		0.001067	0.001585 0.002068
	dn	-2259.864	de -95.844 du 64.211
		0.000699	0.000557 0.002670
			dh 64.613
			0.002670
Aposteriori Covariance Matrix:	1.139218E-006		
	1.353617E-006	2.511761E-006	
	-1.680501E-006	-2.831252E-006	4.277597E-006
Variance Ratio	Cutoff:	19.2	1.5
Reference Variance:		2.918	
Observable	Count/Rejected	RMS:	L1 phase 790/2 0.006
Project Name:	HDR		
Processed:	Friday, October 25, 2013 19:39		
	WAVE 2.35		
Solution Output File (SSF):	00006656.SSF		
From Station:	2887		
Data file:	87422982.DAT		
Antenna Height (meters):	1.831	True Vertical	1.769 Uncorrected
Position Quality:	Network Adjustment		
WGS 84 Position:	48° 03' 03.054850" S	X	-2347693.590
	123° 20' 21.477100" S	Y	-3568685.270
	235.330	Z	4720832.683

To Station: 2
 Data file: 38232980.DAT
 Antenna Height (meters): 1.792 True Vertical 1.730 Uncorrected

 WGS 84 Position: 48° 01' 49.891322" S X -2348720.984
 123° 20' 26.103282" S Y -3570072.601
 299.940 Z 4719369.783

 Start Time: 10/26/07 18:07:45.00 GPS (1450 497265.00)
 Stop Time: 10/26/07 19:02:15.00 GPS (1450 500535.00)
 Occupation Time Meas. Interval (seconds): 00:54:30.00 15.00

 Solution Type: L1 fixed double difference
 Solution Acceptability: Passed ratio test

 Ephemeris: Broadcast
 Met Data: Standard
 Baseline Slope Distance Std. Dev. (meters): 2262.808 0.000968

		Forward		Backward
Normal Section Azimuth:	182° 25'	42.850892"	2° 25'	39.411037"
Vertical Angle:	1° 37'	33.698661"	-1° 38'	46.927541"

Baseline Components (meters):	dx	-1027.394	dy	-1387.331	dz	-1462.899
Standard Deviations (meters):		0.000622		0.001009		0.001713
	dn	-2259.865	de	-95.845	du	64.209
		0.000989		0.000460		0.001774
				dh	64.610	
					0.001774	

 Aposteriori Covariance Matrix:

	3.869673E-007		
	3.980003E-007	1.017712E-006	
	-4.063544E-007	-9.272591E-007	2.933723E-006

Variance Ratio	Cutoff:	31.8	1.5
Reference Variance:		2.156	

Observable	Count/Rejected	RMS:	L1 phase	876/0	0.005
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 Project Name: HDR
 Processed: Friday, October 25, 2013 16:40
 WAVE 2.35
 Solution Output File (SSF): 00006608.SSF

 From Station: 2887
 Data file: 87422980.DAT
 Antenna Height (meters): 1.857 True Vertical 1.795 Uncorrected
 Position Quality: Network Adjustment

WGS 84 Position:	48° 03' 03.054850" S	X	-2347693.590
	123° 20' 21.477100" S	Y	-3568685.270
	235.330	Z	4720832.683
To Station:	3		
Data file:	38222980.DAT		
Antenna Height (meters):	1.756 True Vertical	1.694 Uncorrected	
WGS 84 Position:	48° 01' 48.992934" S	X	-2348856.452
	123° 20' 33.489106" S	Y	-3570000.100
	289.858	Z	4719343.730
Start Time:	10/26/07 15:36:30.00 GPS	(1450 488190.00)	
Stop Time:	10/26/07 16:30:15.00 GPS	(1450 491415.00)	
Occupation Time	Meas. Interval (seconds):	00:53:45.00	15.00
Solution Type:	L1 fixed double difference		
Solution Acceptability:	Passed ratio test		
Ephemeris:	Broadcast		
Met Data:	Standard		
Baseline Slope Distance	Std. Dev. (meters):	2301.739	0.000613
Normal Section Azimuth:	Forward	Backward	
Vertical Angle:	186° 12' 31.374353"	6° 12' 22.442575"	
	1° 20' 49.569909"	-1° 22' 04.066004"	
Baseline Components (meters):	dx -1162.862	dy -1314.829	dz -1488.953
Standard Deviations (meters):	0.000957	0.001400	0.001636
	dn -2287.606	de -248.866	du 54.112
	0.000600	0.000520	0.002218
		dh 54.528	0.002218
Apriori Covariance Matrix:	9.149934E-007		
	1.045518E-006	1.959009E-006	
	-1.172006E-006	-1.969559E-006	2.678008E-006
Variance Ratio	Cutoff:	21.4	1.5
Reference Variance:		2.513	
Observable	Count/Rejected	RMS:	
		L1 phase	838/2 0.005
Project Name:	HDR		
Processed:	Friday, October 25, 2013 19:45		
	WAVE 2.35		
Solution Output File (SSF):	00006660.SSF		
From Station:	2887		

Data file:	87422982.DAT				
Antenna Height (meters):	1.831	True Vertical	1.769	Uncorrected	
Position Quality:	Network Adjustment				
WGS 84 Position:	48° 03' 03.054850" S		X	-2347693.590	
	123° 20' 21.477100" S		Y	-3568685.270	
	235.330		Z	4720832.683	
To Station:	3				
Data file:	38222980.DAT				
Antenna Height (meters):	1.756	True Vertical	1.694	Uncorrected	
WGS 84 Position:	48° 01' 48.992969" S		X	-2348856.451	
	123° 20' 33.489108" S		Y	-3570000.098	
	289.856		Z	4719343.729	
Start Time:	10/26/07 18:07:45.00	GPS	(1450 497265.00)		
Stop Time:	10/26/07 19:02:15.00	GPS	(1450 500535.00)		
Occupation Time	Meas. Interval (seconds):	00:54:30.00	15.00		
Solution Type:	L1 fixed double difference				
Solution Acceptability:	Passed ratio test				
Ephemeris:	Broadcast				
Met Data:	Standard				
Baseline Slope Distance	Std. Dev. (meters):	2301.738	0.001051		
Normal Section Azimuth:		Forward		Backward	
Vertical Angle:		186° 12' 31.388251"		6° 12' 22.456472"	
		1° 20' 49.393909"		-1° 22' 03.889969"	
Baseline Components (meters):	dx	-1162.861	dy	-1314.827	dz
Standard Deviations (meters):		0.000706		0.001123	0.001919
	dn	-2287.605	de	-248.866	du
		0.001075		0.000515	54.110
					0.002005
				dh	54.526
					0.002005
Aposteriori Covariance Matrix:		4.989892E-007			
		5.047324E-007	1.261031E-006		
		-5.679604E-007	-1.211459E-006	3.682507E-006	
Variance Ratio	Cutoff:	27.6	1.5		
Reference Variance:		2.521			
Observable	Count/Rejected	RMS:	L1 phase	843/0	0.005

***** End of Report *****



PACR CP-5



PACR CP-6



PACR CP-1
SCHREINER
PACR CP-2



PACR CP-3



PACR CP-4



Deer Park Rd

Summary of Files Used and Option Settings
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Project Folder and Data Files

Project Name PACR 2013
 Project Folder \\SERVER\WORKFILES\...\PROJECTS\HDR\PACR 2013
 Data File List 1. PACR 2013.dat
 2. CCGF1 READJUST 2013.gps
 3. P2KGPS.gps
 4. HDR.gps
 5. HDR-1.dat

Project Option Settings

STAR*NET Run Mode : Adjust with Error Propagation
 Type of Adjustment : 3D
 Project Units : Meters; DMS
 Coordinate System : Lambert NAD83; WA North 4601
 Geoid Height Model : WASH12A.GHT
 Vertical Deflection Model : WASH12A.VDF
 Longitude Sign Convention : Positive West
 Input/Output Coordinate Order : North-East
 Angle Data Station Order : At-From-To
 Distance/Vertical Data Type : Slope/Zenith
 Convergence Limit; Max Iterations : 0.010000; 10
 Default Coefficient of Refraction : 0.070000
 Create Coordinate File : Yes
 Create Geodetic Position File : Yes
 Create Ground Scale Coordinate File : No
 Create Dump File : No
 GPS Vector Standard Error Factors : 4.5000 (Horiz), 4.5000 (Vert)
 GPS Vector Centering (Meters) : 0.00300 (Horiz), 0.00300 (Vert)
 GPS Vector Transformations : Solve for Scale and Rotations

Instrument Standard Error Settings

Project Default Instrument
 Distances (Constant) : 0.002000 Meters
 Distances (PPM) : 2.000000
 Angles : 5.000000 Seconds
 Directions : 5.000000 Seconds
 Azimuths & Bearings : 1.000000 Seconds
 Zeniths : 10.000000 Seconds
 Elevation Differences (Constant) : 0.003048 Meters
 Elevation Differences (PPM) : 50.000000
 Differential Levels : 0.001524 Meters / Turn
 Centering Error Instrument : 0.001524 Meters
 Centering Error Target : 0.001524 Meters
 Centering Error Vertical : 0.001524 Meters

Listing of Input Data

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[File: \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\HDR\PACR 2013\PACR 2013.dat]

THE PURPOSE OF THIS ADJUSTMENT IS TO PROVIDE WASHINGTON STATE PLANE COORDINATE VALUES
(NORTH ZONE), NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT, (EPOCH 2010) IN METERS FOR STATIONS
1-6 (PACR CP-1 THROUGH PACR CP-6) TO HDR, INC.

TO ACCOMPLISH THIS, A READJUSTMENT OF VECTORS MEASURED FOR THE CLALLAM COUNTY GEOMETRIC FRAMEWORK
PERFORMED IN 1997 WITH ADDITIONAL VECTORS MEASURED FOR THE CITY OF PORT ANGELES PERFORMED IN
2000, ALONG WITH NEW MEASUREMENTS MADE FOR HDR INC. IN 2013 WERE UTILIZED.

FOR ADDITIONAL INFORMATION ABOUT THE ORIGINAL MEASUREMENTS SEE VOLUME 38 OF SURVEYS,
PAGE 84, CLALLAM COUNTY AUDITOR'S FILE NUMBERS 1998-1003283, 1998-1003284 (SUMMARY REPORT),
AND 1998-1003306 (GEODETIC CONTROL STATION REPORT), RECORDS OF CLALLAM COUNTY, WASHINGTON.

NGS STATIONS WITH NAD83/2011 (EPOCH 2010) COORDINATE VALUES HELD FIXED PER NGS DATA SHEETS
ARE LISTED BELOW. ORTHOMETRIC ELEVATIONS ARE IN METERS.

P 1638	48-11-52.34640	124-07-08.35317	4.813	!	!	!	'N 469 (TS0058)
P 1885	48-07-25.14828	123-27-04.01731	4.069	!	!	!	'944 4090 A TIDAL (TR2551)
P 2137	47-56-22.82051	124-33-40.80378	57.80	!	!	*	'QUILLAYUTE RESET (SD0799)
P 2156	48-07-30.75981	123-30-08.01501	71.99	!	!	*	'CBL150 (AC5475)
P 8597	47-56-12.19221	124-23-44.16562	87.95	!	!	!	'FORKS RESET (SD0880)
P 8894	48-04-50.32901	123-06-14.70421	56.70	!	!	*	'WEGENEST (AI2209)

NGS STATIONS WITH NAD83/2011 (EPOCH 2010) COORDINATE VALUES WITH STANDARD DEVIATIONS PER NGS DATA
SHEETS ARE LISTED BELOW. ORTHOMETRIC ELEVATIONS ARE IN METERS.

P 1487	47-49-27.05641	122-52-31.62393	12.73	.0356	.0358	.03	'SCHOOL(SY5641)
P 1779	48-22-00.75024	124-37-15.66179	5.675	.0044	.0032	.02	'944 3090 A TIDAL (TS0340)
P 1927	48-08-30.27149	123-25-32.18311	4.4	.0194	.0195	*	'EAST BASE AZ MK (TR2552)
P 8207	48-03-16.40631	122-48-33.66371	32.398	.0178	.0133	.01	'JCIA(TR2696)
P 8472	47-32-24.68604	124-19-55.02649	12.56	.0213	.0189	.03	'QUIN (SD0881)

ADDITIONAL STATE OF WASHINGTON DEPARTMENT OF TRANSPORTATION GPS STATIONS WITH
PUBLISHED NAD83/2011 VALUES (EPOCH UNKNOWN) WITH ALL VALUES UNCONSTRAINED.
ORTHOMETRIC ELEVATIONS ARE IN METERS.

P 2098	48-13-45.580811	124-15-14.852121	18.035	*	*	*	'GP05112-29
P 2111	48-04-18.909498	123-46-27.262665	180.035	*	*	*	'GP05101-11
P 2130	48-07-09.579497	123-40-11.738719	76.129	*	*	*	'GP05112-8
P 2136	48-02-24.424428	123-09-09.753912	139.429	*	*	*	'PETE

STATIONS ESTABLISHED IN 1997 WITH ELEVATIONS MEASURED BY DIFFERENTIAL LEVELING FROM
NGS BENCH MARKS IN METERS

E 2141		88.6634	*	'LAPUSH
E 2142		49.6093	*	'GOODMAN
E 2146		109.2375	*	'BEDROCK
E 2148		150.9403	*	'BEAVER FALLS
E 2149		4.3404	*	'RAYS
E 2150		87.5662	*	'S2500
E 2151		114.0503	*	'CRESCENT HS
E 2160		14.7615	*	'CASINO
E 2161		2.8316	*	'GARDINER

STATIONS ESTABLISHED IN 1997 WITH ELEVATION ESTABLISHED BY TRIG LEVELING FROM
NGS BENCH MARK IN METERS

E 2144		71.6617	*	'UNDIE RD.
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EXISTING NGS STATIONS WITH ELEVATIONS MEASURED BY DIFFERENTIAL LEVELING FROM

NGS BENCH MARKS IN METERS

E 1823	76.0600	!	'SAWMILL 2 (TR2398)
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EXISTING NGS BENCH MARKS

E 2133	52.1280	.01	'CARLSBORG (TR0834)
E 8275	3	*	'QUARINTINE 2 (TR1746)
E 8870	2.61	*	'SAND (TR2365)

OTHER EXISTING STATIONS

C 2100			'K473 RESET
C 2165			'ELWHA CONTROL NO.1

STATIONS ESTABLISHED DURING THE CCGF PROJECT (1997)

C 2141			'LAPUSH
C 2142			'GOODMAN
C 2143			'WENTWORTH
C 2144			'UNDIE RD.
C 2145			'FS29 PIT
C 2146			'BEDROCK
C 2147			'SCALES
C 2148			'BEAVER FALLS
C 2149			'RAYS
C 2150			'S2500
C 2151			'CRESCENT HS
C 2152			'CEMETERY
C 2153			'DOT ELWHA PIT
C 2154			'LITTLE RIVER
C 2155			'MT. PLEASANT
C 2157			'LOST MOUNTAIN
C 2158			'GELLOR
C 2159			'FINN HALL
C 2160			'CASINO
C 2161			'GARDINER
C 2162			'CLINE SPIT
C 2163			'SERPENTINE
C 2164			'BURNT HILL

POINTS ESTABLISHED FOR THE CITY OF PORT ANGELES (2000)

FOR ADDITIONAL INFORMATION SEE VOLUME 46 OF SURVEYS, PAGE 14, RECORDS OF CLALLAM COUNTY,
WASHINGTON.

C 2886			'SCHREINER
C 2887			'SKYLINE

[File: \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\HDR\PACR 2013\CCGF1 READJUST 2013.gps]
.GPS WEIGHT COVARIANCE

G0 'V1 Day083(A) 14:30 00000509.SSF
G1 1487-2161 7911.399508 17765.671513 17322.879512
G2 1.71117241435213E-006 6.19535009889729E-006 5.05540567077052E-006
G3 1.42112669905343E-006 -1.13276257206851E-006 -3.13367707468567E-006

G0 'V2 Day083(A) 14:29 00000513.SSF
G1 1487-2160 312.978708 19218.809824 14718.292942
G2 1.75177714343785E-006 6.42822194220416E-006 5.24505229446543E-006
G3 1.50366366842805E-006 -1.16826285954309E-006 -3.24837272917886E-006

G0 'V3 Day083(A) 14:25 00000517.SSF
G1 8870-2160 -1499.613427 -2254.301005 -2418.406533
G2 2.81636874150897E-007 1.00977261210746E-006 8.38271067348081E-007
G3 2.40605934557793E-007 -1.92871309922887E-007 -5.26015365292048E-007

G0 'V4 Day083(A) 14:22 00000521.SSF
G1 8207-8870 -12643.450076 8184.155524 -37.509840
G2 4.34488398306595E-007 1.57983478853094E-006 1.29790220685711E-006
G3 3.80930921897663E-007 -3.08230227936812E-007 -8.31827077271741E-007

G0 'V5 Day083(B) 15:33 00000525.SSF
G1 2161-2160 -7598.409774 1453.129334 -2604.576784
G2 3.29335052183094E-006 4.78220066331298E-006 8.80651559451951E-006
G3 2.04971718669147E-006 -4.70496637184824E-008 -2.94623482120697E-006

G0 'V6 Day083(O) 15:33 00000529.SSF
G1 1487-2160 312.977464 19218.798299 14718.313163
G2 4.45110977615634E-006 6.45295173187211E-006 1.18383665753185E-005
G3 2.76658257495281E-006 -7.73664170163146E-008 -3.98394335164940E-006

G0 'V7 Day083(B) 15:33 00000533.SSF
G1 8207-2161 -6544.645999 4476.726275 148.654201
G2 2.25355768112744E-006 3.29979460948423E-006 5.97006197033816E-006
G3 1.41517035218409E-006 -4.18535392811161E-008 -2.01078740938319E-006

G0 'V8 Day083(C) 16:12 00000541.SSF
G1 1487-2160 312.975572 19218.794267 14718.306122
G2 2.09562784173866E-006 3.97855461369247E-006 6.07594322952382E-006
G3 1.82900817431932E-006 -1.89305980019836E-006 -2.77484163600067E-006

G0 'V9 Day083(C) 16:12 00000537.SSF
G1 1487-8275 9594.485358 20430.542394 20152.831624
G2 2.51404696058806E-006 3.06882463472160E-006 2.95874826276257E-006
G3 2.25685031550242E-006 -1.55697091740145E-006 -1.87003597029820E-006

G0 'V10 Day083(C) 16:11 00000545.SSF
G1 8207-8275 -4861.541315 7141.615396 2978.594863
G2 8.79271579489709E-007 1.26083289509851E-006 1.45363113453573E-006
G3 7.91276642741034E-007 -6.13092087705185E-007 -7.99553934753500E-007

G0 'V11 Day083(C) 16:11 00000549.SSF
G1 8207-2161 -6544.646060 4476.725619 148.660409
G2 1.23598897343756E-006 2.33350655021553E-006 3.50691948303474E-006
G3 1.07819188472778E-006 -1.10777940878801E-006 -1.61115978629791E-006

G0 'V12 Day083(D) 17:13 00000553.SSF
G1 2161-8275 1683.106715 2664.890458 2829.931047
G2 3.16234495652972E-007 6.55666849836355E-007 6.03846934717264E-007
G3 2.89388494658526E-007 -2.41646455592445E-007 -2.99970027395258E-007

G0 'V13 Day083(F) 18:10 00000565.SSF
 G1 8894-8275 12404.683110 -6604.737486 1021.456020
 G2 6.27184821845484E-007 1.18568826158061E-006 1.52304325147933E-006
 G3 3.27151453323171E-007 -2.13667731671283E-007 -8.75044025317640E-007

G0 'V14 Day083(E) 17:43 00000557.SSF
 G1 8870-2161 6098.796277 -3707.443818 186.192445
 G2 5.21301559224976E-006 5.68249561695485E-006 2.51782977767310E-005
 G3 2.81988573039801E-006 -5.54336519227300E-006 -3.47736962655645E-006

G0 'V15 Day083(E) 17:44 00000561.SSF
 G1 8870-8275 7781.902212 -1042.559607 3016.126257
 G2 3.04564750733546E-006 3.47181106300412E-006 1.54770458799244E-005
 G3 1.67102780937447E-006 -3.24369811048024E-006 -2.24510285888959E-006

G0 'V16 Day083(F) 18:08 00000573.SSF
 G1 8894-2164 -1544.264755 -4719.779560 -3781.084290
 G2 9.47116565014586E-007 1.78834856460907E-006 2.40826690433094E-006
 G3 4.89842484192456E-007 -3.17774105407054E-007 -1.34410496870878E-006

G0 'V17 Day083(G) 19:12 00000577.SSF
 G1 2136-8894 4897.692451 872.979677 2950.094085
 G2 7.69756945385465E-007 1.59147417214636E-006 3.27919361886346E-006
 G3 5.14341045281915E-007 -4.76309510494934E-007 -1.30667732977847E-006

G0 'V18 Day083(G) 19:14 00000581.SSF
 G1 8894-8870 4622.760106 -5562.182206 -1994.662858
 G2 7.71318559857598E-007 1.53215134511794E-006 3.22104446351260E-006
 G3 5.08640609457027E-007 -4.86524011280012E-007 -1.27237847164967E-006

G0 'V19 Day083(G) 19:12 00000585.SSF
 G1 2136-2164 3353.429104 -3846.796438 -830.993348
 G2 9.70788642524395E-007 1.98035141352721E-006 3.90924856045231E-006
 G3 6.65009498359098E-007 -5.94148843924788E-007 -1.59547817956897E-006

G0 'V20 Day083(H) 20:14 00000589.SSF
 G1 8894-2164 -1544.266836 -4719.784385 -3781.070567
 G2 1.31561869970444E-006 1.77647026154022E-006 2.21031863158153E-006
 G3 9.62617996774216E-007 -8.88067080465659E-007 -1.04218953449436E-006

G0 'V21 Day083(H) 20:13 00000593.SSF
 G1 2160-2164 -4667.444232 3096.720266 632.001141
 G2 2.34262970047102E-006 3.20555832315852E-006 4.02129439202082E-006
 G3 1.70678871432892E-006 -1.59408500423501E-006 -1.87624685512986E-006

G0 'V22 Day083(I) 21:13 00000601.SSF
 G1 2133-2163 7089.753137 -1412.427520 2347.861811
 G2 5.58411070447526E-006 7.28873477326064E-006 6.39316050833263E-006
 G3 5.15008977904309E-006 -3.17768268780990E-006 -4.75992703691645E-006

G0 'V23 Day083(I) 21:14 00000605.SSF
 G1 2133-2164 2138.478002 -8374.560311 -4715.204113
 G2 3.13436983419727E-006 4.29725189384280E-006 3.90727104906667E-006
 G3 2.90230651164053E-006 -1.73465236891974E-006 -2.86063927626074E-006

G0 'V24 Day083(I) 21:15 00000597.SSF
 G1 8894-2163 3407.007107 2242.341446 3281.990305
 G2 6.25764230308576E-006 8.42574585777557E-006 7.64158956662014E-006
 G3 5.76826851981480E-006 -3.44056787624336E-006 -5.53710525345779E-006

G0 'V25 Day083(I) 21:15 00000609.SSF
 G1 2160-2164 -4667.437433 3096.712000 631.994585
 G2 4.78169156483370E-006 6.46528130036046E-006 6.03780571696465E-006
 G3 4.38760847025185E-006 -2.60053652049308E-006 -4.30081903726001E-006

G0 'V26 Day083(J) 22:17 00000613.SSF
 G1 2133-8894 3682.756644 -3654.759697 -934.143118
 G2 7.47623186851705E-007 1.35024445933259E-006 3.48565653935252E-006
 G3 6.46462515329927E-007 -9.67734040287696E-007 -1.61478327601108E-006

G0 'V27 Day083(J) 22:16 00000617.SSF
 G1 2133-2163 7089.766577 -1412.423528 2347.858529
 G2 2.50542533896801E-006 4.44496284924359E-006 1.15079307702239E-005
 G3 2.14872960719384E-006 -3.22801412032932E-006 -5.30905036177443E-006

G0 'V28 Day083(J) 22:16 00000621.SSF
 G1 2133-2164 2138.489514 -8374.539607 -4715.224472
 G2 7.44286431026518E-007 1.41470054989024E-006 3.50964316959491E-006
 G3 6.69019123422686E-007 -9.89930029398289E-007 -1.68521126371237E-006

G0 'V29 Day083(K) 23:40 00000625.SSF
 G1 8275-2163 -8997.669278 8847.072028 2260.553135
 G2 5.02270150748535E-006 7.03812400537170E-006 5.93334537671454E-006
 G3 3.77667022180361E-006 -2.73046230988341E-006 -3.05680425416207E-006

G0 'V30 Day083(K) 23:36 00000629.SSF
 G1 8894-8275 12404.678770 -6604.737136 1021.453450
 G2 9.63997204315199E-007 1.35699123397796E-006 1.22949299219915E-006
 G3 7.11042254384324E-007 -5.61220961388235E-007 -6.03464691023184E-007

G0 'V31 Day083(K) 23:47 00000633.SSF
 G1 2136-8894 4897.695244 872.994869 2950.074961
 G2 1.17047327710459E-006 1.76667232478960E-006 1.56512797278217E-006
 G3 8.88733142848417E-007 -6.24321110535956E-007 -7.38921834144243E-007

G0 'V32 Day083(K) 23:47 00000637.SSF
 G1 2136-2133 1214.944323 4527.758930 3884.212046
 G2 1.14977761483690E-006 1.70631917780436E-006 1.61952701172363E-006
 G3 8.49400893243590E-007 -6.61808236597674E-007 -7.04441368889828E-007

G0 'V33 Day084(L) 00:56 00000641.SSF
 G1 2136-2133 1214.945514 4527.752131 3884.213373
 G2 1.03168908793477E-006 1.27321665660219E-006 3.04832170665850E-006
 G3 6.39599051219984E-007 -9.14308587495915E-007 -1.19922909035147E-006

G0 'V34 Day084(L) 01:06 00000645.SSF
 G1 2133-2162 3924.582138 3254.957354 4301.272679
 G2 7.04494366769533E-007 9.08806302834723E-007 1.88296055061301E-006
 G3 4.71048492134780E-007 -6.59192441440742E-007 -8.32256525750890E-007

G0 'V35 Day084(L) 01:06 00000649.SSF
 G1 2162-2163 3165.183122 -4667.373592 -1953.414326
 G2 4.24093586362911E-006 4.15999531216452E-006 9.41625527024399E-006
 G3 2.67944904824623E-006 -3.70675828274107E-006 -3.96929479861782E-006

G0 'V36 Day084(M) 02:28 00000653.SSF
 G1 2133-2162 3924.578364 3254.952819 4301.274288
 G2 8.23950453768009E-007 1.23169953281420E-006 1.74252479485553E-006
 G3 4.66354183612271E-007 -7.26168633208765E-007 -8.23620293844330E-007

G0 'V37 Day084(M) 02:30 00000657.SSF
 G1 2162-2159 -7999.814351 1320.765547 -2880.123337
 G2 2.64995455266355E-006 4.01902068225408E-006 5.55416360195609E-006
 G3 1.51130243080125E-006 -2.26576462334261E-006 -2.70185990198596E-006

G0 'V38 Day084(M) 02:30 00000661.SSF
 G1 2159-2157 -2430.934222 -8331.640883 -6960.898950
 G2 2.68191974423910E-006 4.06217076378437E-006 5.64832115531235E-006
 G3 1.53516174278307E-006 -2.30571874213383E-006 -2.73317733287120E-006

G0 'V39 Day084(M) 02:03 00000665.SSF
 G1 2136-2157 -5291.233753 771.818671 -1655.513621
 G2 9.47545101929737E-007 1.81356645835850E-006 2.05035754949646E-006
 G3 6.07219557646151E-007 -8.53244721740576E-007 -1.05777275472261E-006

G0 'V40 Day084(A) 14:30 00000669.SSF
 G1 2133-2159 -4075.226038 4575.720142 1421.153051
 G2 1.72823771909271E-006 5.34937332172992E-006 4.98902584152502E-006
 G3 1.28562176939657E-006 -1.06181085708955E-006 -2.69024624197249E-006

G0 'V41 Day084(A) 14:30 00000673.SSF
 G1 2159-2157 -2430.938673 -8331.625456 -6960.888324
 G2 1.56373796075414E-006 4.91041901872702E-006 4.56709572705736E-006
 G3 1.17655633465681E-006 -9.71625082990818E-007 -2.47849138199612E-006

G0 'V42 Day084(A) 14:30 00000677.SSF
 G1 1823-2159 6109.732264 -3186.579848 576.081325
 G2 1.36069467080252E-006 4.21976214198831E-006 3.97693988711787E-006
 G3 1.01480685479793E-006 -8.45200297363719E-007 -2.13331145318530E-006

G0 'V43 Day084(A) 14:23 00000681.SSF
 G1 2157-2158 -2536.375814 3814.370698 1522.500797
 G2 2.48249831240385E-007 8.28699936169505E-007 7.28807454997753E-007
 G3 2.01058515928906E-007 -1.61928219144333E-007 -4.31671932932018E-007

G0 'V44 Day084(B) 15:33 00000685.SSF
 G1 1823-2158 1142.422040 -7703.832626 -4862.307949
 G2 7.44205863460393E-007 1.20340418138676E-006 2.23302173646171E-006
 G3 5.46701333826852E-007 -2.11123950986032E-007 -7.69096613877043E-007

G0 'V45 Day084(B) 15:34 00000689.SSF
 G1 1823-2159 6109.738666 -3186.574499 576.093685
 G2 2.53599424630147E-006 4.13174022986731E-006 7.19066280679855E-006
 G3 1.87266676679849E-006 -7.92505420616197E-007 -2.63351507100234E-006

G0 'V46 Day084(B) 15:34 00000693.SSF
 G1 2133-2159 -4075.228036 4575.725937 1421.167795
 G2 3.80950200110998E-006 6.21400227667070E-006 1.07329572912363E-005
 G3 2.81541416535949E-006 -1.19987619779933E-006 -3.95191661078842E-006

G0 'V47 Day084(C) 16:34 00000697.SSF
 G1 2133-2158 -9042.543332 58.469602 -4017.243461
 G2 8.63118766771883E-007 1.73966053452391E-006 2.20981476523598E-006
 G3 7.56392592047152E-007 -8.05857325391654E-007 -1.05415753988917E-006

G0 'V48 Day084(C) 16:34 00000701.SSF
 G1 2159-2158 -4967.315157 -4517.250003 -5438.401847
 G2 2.04256061667391E-006 4.08491979468219E-006 5.10843781346479E-006
 G3 1.80379241574053E-006 -1.88411481369016E-006 -2.47011552881427E-006

G0 'V49 Day084(E) 18:35 00000717.SSF
 G1 2155-2154 -8052.623583 6672.078206 892.878995
 G2 1.33083949768358E-006 2.64048517773260E-006 3.37404931158452E-006
 G3 9.25283555108226E-007 -4.14435373983823E-007 -1.89242066471315E-006

G0 'V50 Day084(C) 16:34 00000705.SSF
 G1 2158-2155 -5158.993823 4331.421939 780.591798
 G2 1.92611086416951E-006 3.10268393740035E-006 2.46737436222705E-006
 G3 1.97634289020912E-006 -1.39892050941244E-006 -1.74812475267473E-006

G0 'V51 Day084(C) 16:33 00000709.SSF
 G1 1823-2155 -4016.588042 -3372.418943 -4081.720032
 G2 1.29631881989869E-006 2.04107702192661E-006 1.65332670634397E-006
 G3 1.31690772686637E-006 -9.36247274867173E-007 -1.14887892443297E-006

G0 'V52 Day084(D) 17:35 00000713.SSF
 G1 1823-2155 -4016.578080 -3372.424449 -4081.715007
 G2 7.68129650248290E-007 1.20720723871437E-006 2.75511963015652E-006
 G3 4.16544486519565E-007 -4.74053957580252E-007 -9.88500478504247E-007

G0 'V53 Day084(E) 18:35 00000721.SSF
 G1 2155-2156 -4879.303185 11310.269287 5623.579913
 G2 1.49306984790552E-006 3.19012648471158E-006 4.34615697149736E-006
 G3 9.70763852613138E-007 -5.08445810527982E-007 -2.42192911656173E-006

G0 'V54 Day084(E) 18:36 00000725.SSF
 G1 1823-2156 -8895.885724 7937.850596 1541.857073
 G2 1.10991917614486E-006 2.26538529048157E-006 2.94385199975730E-006
 G3 7.36644080628749E-007 -3.57264281665696E-007 -1.67397432313972E-006

G0 'V55 Day084(E) 18:36 00000729.SSF
 G1 1823-1927 -3358.615999 5972.738580 2718.315203
 G2 9.80085245833056E-007 1.83497477785749E-006 2.33758841198358E-006
 G3 6.60101987611210E-007 -3.32077581009600E-007 -1.34673755159430E-006

G0 'V56 Day084(F) 19:37 00000733.SSF
 G1 2156-1927 5537.271114 -1965.105089 1176.458190
 G2 2.32183223931280E-006 3.65288103688988E-006 8.69739944524757E-006
 G3 1.35871686658315E-006 -1.56509154847549E-006 -3.01506599463695E-006

G0 'V57 Day084(F) 19:37 00000737.SSF
 G1 2156-2154 -3173.315687 -4638.170313 -4730.702837
 G2 3.84305014754758E-006 5.73849497220967E-006 1.31769896586774E-005
 G3 2.25920205585412E-006 -2.38275124564419E-006 -4.61227997723600E-006

G0 'V58 Day084(F) 19:37 00000741.SSF
 G1 2155-2154 -8052.618641 6672.071834 892.871094
 G2 3.20147164623222E-006 5.06418192257327E-006 1.18658131597681E-005
 G3 1.88125815186662E-006 -2.12157741553121E-006 -4.13550719490438E-006

G0 'V59 Day084(G) 20:20 00000745.SSF
 G1 2156-1927 5537.278610 -1965.107059 1176.459022
 G2 2.86184499390902E-006 3.82138662280762E-006 4.01876013105606E-006
 G3 2.31389155510755E-006 -2.00972621174539E-006 -2.09548387408246E-006

G0 'V60 Day084(I) 22:19 00000765.SSF
 G1 2154-2153 -5335.554966 4193.113839 230.080354
 G2 1.13960646727512E-006 1.88670245693829E-006 5.28446391842223E-006
 G3 9.03904931054583E-007 -1.39930163741922E-006 -2.24621727219285E-006

G0 'V61 Day084(G) 20:20 00000749.SSF
 G1 1885-1927 2409.692776 203.517874 1342.722506
 G2 4.38395257043660E-006 4.68649209400746E-006 3.17147321213947E-006
 G3 3.83408495646962E-006 -2.41502588277830E-006 -2.68279008218969E-006

G0 'V62 Day084(G) 20:19 00000753.SSF
 G1 1885-2154 -6300.899130 -2469.553500 -4564.446388
 G2 1.51102144163222E-005 1.59648732477328E-005 1.12758734098317E-005
 G3 1.30686398489044E-005 -8.38230612282085E-006 -9.20801343615819E-006

G0 'V63 Day084(G) 20:17 00000757.SSF
 G1 1885-2155 1751.711534 -9141.624024 -5457.327983
 G2 1.93753854400084E-005 2.01906775259261E-005 1.44443320698724E-005
 G3 1.65401572218495E-005 -1.05169277407808E-005 -1.16249577473342E-005

G0 'V64 Day084(H) 21:18 00000761.SSF
 G1 2154-2156 3173.321252 4638.187889 4730.703987
 G2 2.1085558284053E-006 8.97209716533734E-006 4.64583991660418E-006
 G3 3.44694838270409E-006 -2.18768753520657E-006 -5.62682133573342E-006

G0 'V65 Day084(I) 22:17 00000769.SSF
 G1 2130-2153 2163.114061 -6943.564262 -4067.136363
 G2 1.36814343005161E-006 2.32239348016891E-006 6.34218702147809E-006
 G3 1.09937121307875E-006 -1.67674963752268E-006 -2.73942289397475E-006

G0 'V66 Day084(I) 22:18 00000773.SSF
 G1 2130-2165 7578.683029 -2350.446074 1909.557336
 G2 6.18858823542841E-007 1.03418622208748E-006 2.81682016866574E-006
 G3 4.98854193164479E-007 -7.64167781677804E-007 -1.22699576997309E-006

G0 'V67 Day084(I) 22:19 00000777.SSF
 G1 2165-2156 3093.301626 -4148.046196 -1476.072691
 G2 7.16322638168357E-007 1.15083499950717E-006 3.21073433779713E-006
 G3 5.68220340948611E-007 -8.80416099775578E-007 -1.37865475902565E-006

G0 'V68 Day084(J) 23:21 00000781.SSF
 G1 2153-2156 8508.867752 445.061599 4500.631697
 G2 2.31689797480692E-006 2.60538159017588E-006 2.80857357114733E-006
 G3 1.59929846867306E-006 -1.53025134878815E-006 -1.35314858156796E-006

G0 'V69 Day084(J) 23:22 00000785.SSF
 G1 2130-2156 10671.980169 -6498.496038 433.488468
 G2 1.97373034845382E-006 2.17886380272185E-006 2.12957306959562E-006
 G3 1.35093798799725E-006 -1.28264666413091E-006 -1.09334789610529E-006

G0 'V70 Day084(J) 23:22 00000789.SSF
 G1 2156-2165 -3093.301917 4148.042355 1476.074313
 G2 1.38819281349590E-006 1.55673391432844E-006 1.54531707595485E-006
 G3 9.47667888418463E-007 -9.20827222986751E-007 -7.90257335641401E-007

G0 'V71 Day085(K) 00:21 00000793.SSF
 G1 2156-2153 -8508.868000 -445.070308 -4500.625427
 G2 9.09848142835247E-007 1.39430292297845E-006 3.74035708194689E-006
 G3 4.93101306410806E-007 -4.79145892105252E-007 -1.34815996803847E-006

G0 'V72 Day085(K) 00:22 00000801.SSF
 G1 2111-2130 8679.326615 -992.761165 3443.507162
 G2 4.00521489139743E-006 2.85910246424967E-006 9.36369576990336E-006
 G3 2.02248591466370E-006 -2.15893191684511E-006 -2.87253746215346E-006

G0 'V73 Day085(K) 00:21 00000797.SSF
 G1 2111-2153 10842.430390 -7936.339157 -623.621589
 G2 6.30753052798737E-006 4.70243285898311E-006 1.37859756472106E-005
 G3 3.24852118596272E-006 -2.75221455935482E-006 -4.45979154241751E-006

G0 'V74 Day085(K) 00:22 00000805.SSF
 G1 2130-2165 7578.677373 -2350.457269 1909.565770
 G2 5.62354660356233E-007 8.61069161728694E-007 2.34519262412680E-006
 G3 3.02304286373802E-007 -2.96004160381858E-007 -8.46565330813895E-007

G0 'V75 Day085(L) 01:23 00000809.SSF
 G1 2111-2153 10842.434123 -7936.329495 -623.618366
 G2 4.90509522330214E-006 5.61395005283602E-006 7.80377771396071E-006
 G3 3.45184117784174E-006 -3.99873210572953E-006 -4.05850987733672E-006

G0 'V76 Day085(L) 01:22 00000813.SSF
 G1 2130-2153 2163.110277 -6943.565471 -4067.137577
 G2 1.45956713052018E-006 2.30788021590560E-006 3.24233558760101E-006
 G3 1.04615191670716E-006 -1.40155221660413E-006 -1.61542756941214E-006

G0 'V77 Day085(M) 02:23 00000817.SSF
 G1 2153-2151 -6120.809446 11261.075863 5368.669177
 G2 2.93700056458351E-006 4.23716924512912E-006 6.84744209458186E-006
 G3 1.59828685352689E-006 -2.82494571397564E-006 -2.85644724111585E-006

G0 'V78 Day085(M) 02:22 00000821.SSF
 G1 2151-2152 3227.553070 213.484815 1617.724027
 G2 6.14885494343338E-007 8.99739040361343E-007 1.76871006945746E-006
 G3 3.35789517247546E-007 -6.53203038495591E-007 -6.26659224267380E-007

G0 'V79 Day085(M) 02:24 00000825.SSF
 G1 2130-2111 -8679.320555 992.765301 -3443.513079
 G2 3.72118403460844E-006 3.86778769524942E-006 6.13569747662207E-006
 G3 1.98756692021807E-006 -3.21485666096914E-006 -2.88527661656569E-006

G0 'V80 Day085(M) 02:23 00000829.SSF
 G1 2130-2152 -730.150884 4530.989095 2919.268693
 G2 2.02397594837131E-006 2.59843123012886E-006 5.76266749565819E-006
 G3 1.07791761871893E-006 -2.17148553162851E-006 -1.95439867854083E-006

G0 'V81 Day085(A) 14:37 00000833.SSF
 G1 2130-2152 -730.157634 4530.958407 2919.284887
 G2 2.45872634090448E-006 8.44122301258783E-006 7.37725799991626E-006
 G3 1.99818117941382E-006 -1.58591861637912E-006 -3.64363793368633E-006

G0 'V82 Day085(A) 14:37 00000837.SSF
 G1 2152-2151 -3227.559667 -213.489596 -1617.713438
 G2 5.17006076276267E-007 2.05014469539550E-006 1.49820515639398E-006
 G3 4.81377682933225E-007 -3.34634939238877E-007 -8.05928762365105E-007

G0 'V83 Day085(B) 15:12 00000841.SSF
 G1 2111-2151 4721.607154 3324.748646 4745.086537
 G2 1.37501793361166E-005 2.85040600191310E-006 6.08745761620485E-006
 G3 3.96899201833926E-006 -4.81771652263501E-006 -2.31425804399424E-006

G0 'V84 Day085(B) 15:13 00000845.SSF
 G1 2111-2152 7949.169497 3538.235702 6362.796399
 G2 7.83889586903309E-006 1.55114846720511E-006 6.81104002516716E-006
 G3 2.21492677435802E-006 -3.88708574569360E-006 -1.64286217255549E-006

G0 'V85 Day085(D) 18:13 00000865.SSF
 G1 2150-2151 6906.395724 -5574.203524 -671.286954
 G2 1.03499561652220E-006 2.02574849053595E-006 2.54373142157699E-006
 G3 5.78572535747412E-007 -3.20657490816903E-007 -1.49312722442059E-006

G0 'V86 Day085(C) 16:12 00000849.SSF
 G1 2111-2144 -43922.153079 11194.218492 -13958.930439
 G2 3.36101946783753E-006 2.00140329691561E-006 2.72469056576032E-006
 G3 1.95494493199783E-006 -1.85347260482451E-006 -1.29195989805472E-006

G0 'V87 Day085(C) 16:11 00000853.SSF
 G1 2144-2150 41737.357577 -2295.262135 19375.270755
 G2 7.77694573984221E-007 1.29452584715051E-006 2.08172235048507E-006
 G3 6.00987989565920E-007 -6.46270907244677E-007 -8.05971880558044E-007

G0 'V88 Day085(D) 18:13 00000869.SSF
 G1 2111-2150 -2184.789365 8898.954781 5416.358548
 G2 8.81859407284667E-006 4.05800786432511E-006 3.78639738753234E-006
 G3 4.87821613242237E-006 -3.96676894902590E-006 -3.13475626881342E-006

G0 'V89 Day085(C) 16:12 00000861.SSF
 G1 2150-2151 6906.391526 -5574.209736 -671.268133
 G2 4.66534044524401E-007 8.14882028221057E-007 1.24976932888519E-006
 G3 3.66653727886568E-007 -3.87630890266014E-007 -5.01295016547981E-007

G0 'V90 Day085(C) 17:03 00000857.SSF
 G1 1638-2150 13211.816599 -14179.771952 -3799.657613
 G2 1.76229898331058E-006 2.63222199256524E-006 4.71493594984409E-006
 G3 1.21322728399105E-006 -1.37943815649525E-006 -1.44270423075387E-006

G0 'V91 Day085(D) 18:14 00000873.SSF
 G1 2150-2144 -41737.360933 2295.271322 -19375.276928
 G2 6.50344730029430E-007 1.20773410484478E-006 1.94058790497519E-006
 G3 3.90013169534999E-007 -2.93023580011032E-007 -9.28794220149613E-007

G0 'V92 Day085(D) 18:14 00000877.SSF
 G1 1638-2144 -28525.536074 -11884.507404 -23174.938221
 G2 1.32821012726902E-006 2.43575504998166E-006 3.87944555350053E-006
 G3 8.05261213309122E-007 -5.91184500250502E-007 -1.86170416343055E-006

G0 'V93 Day085(E) 20:16 00000881.SSF
 G1 1638-2150 13211.812204 -14179.790751 -3799.656910
 G2 4.60552529041934E-006 6.12322356695141E-006 6.08044460266760E-006
 G3 3.79063402827631E-006 -3.12507692429282E-006 -3.40802657093068E-006

G0 'V94 Day085(E) 20:19 00000885.SSF
 G1 1638-2098 -6847.329553 7793.103098 2340.367186
 G2 8.67930912754087E-006 1.07201952379501E-005 1.73731594812341E-005
 G3 6.35928197976771E-006 -4.25214921951555E-006 -7.11859127617358E-006

G0 'V95 Day085(E) 20:19 00000889.SSF
 G1 2098-2147 -5855.749777 -12653.236782 -12092.558707
 G2 7.16860657489271E-006 8.76475053623648E-006 1.47728853427645E-005
 G3 5.16988698591007E-006 -3.32771882247622E-006 -5.87997757670833E-006

G0 'V96 Day085(E) 20:15 00000893.SSF
 G1 2144-2147 15822.463008 7024.393209 13422.719954
 G2 4.44540008537587E-006 5.58992357266994E-006 5.53371497670124E-006
 G3 3.61934417218555E-006 -2.90693492634271E-006 -3.18024372223644E-006

G0 'V97 Day085(F) 21:19 00000897.SSF
 G1 1638-2098 -6847.322732 7793.119476 2340.342644
 G2 6.43693960013582E-006 1.00390239931655E-005 1.03152004233886E-005
 G3 6.20036867500303E-006 -4.35756101188178E-006 -7.50500125908883E-006

G0 'V98 Day085(F) 21:19 00000901.SSF
 G1 1638-2147 -12703.071827 -4860.120829 -9752.209419
 G2 4.76611287541226E-006 7.38038776790928E-006 7.56845967362938E-006
 G3 4.58023876217111E-006 -3.24861788202154E-006 -5.53145160041280E-006

G0 'V99 Day085(F) 21:16 00000905.SSF
 G1 2147-2144 -15822.466924 -7024.388611 -13422.722033
 G2 3.38053063848967E-006 5.03013387810207E-006 5.08792093282982E-006
 G3 3.20679131515706E-006 -2.23206651184296E-006 -3.71407395448628E-006

G0 'V100 Day085(F) 21:15 00000909.SSF
 G1 2150-2147 -25914.893186 9319.654756 -5952.551721
 G2 2.74795462651070E-006 4.07152873079350E-006 4.17518813485665E-006
 G3 2.60024553241834E-006 -1.80002358296223E-006 -3.00815900290768E-006

G0 'V101 Day085(G) 22:17 00000913.SSF
 G1 2098-2147 -5855.747135 -12653.247296 -12092.558279
 G2 2.80262806638341E-006 7.10089185636858E-006 1.00318248228098E-005
 G3 3.55805614653379E-006 -4.17466155650815E-006 -7.29742441536059E-006

G0 'V102 Day085(G) 22:17 00000917.SSF
 G1 1638-2147 -12703.074622 -4860.115546 -9752.217551
 G2 3.91146278419436E-006 9.54869625219644E-006 1.32450231789281E-005
 G3 4.93600480283428E-006 -5.73584472041060E-006 -9.76967923386299E-006

G0 'V103 Day085(H) 23:18 00000921.SSF
 G1 2147-2145 -9314.310999 -3364.292370 -7312.512431
 G2 2.15321341951878E-006 2.80011243744511E-006 2.60141042084315E-006
 G3 1.38511726538483E-006 -1.48476490560229E-006 -8.66753274746757E-007

G0 'V104 Day085(H) 23:17 00000925.SSF
 G1 2100-2145 -13775.058577 -20025.420297 -21676.496357
 G2 5.30176891303072E-006 7.55675467185817E-006 7.04792252344012E-006
 G3 3.49417348370474E-006 -3.74293940155717E-006 -2.27872430540295E-006

G0 'V105 Day085(H) 23:17 00000929.SSF
 G1 2098-2100 -1394.993694 4007.883505 2271.429015
 G2 1.51310887779736E-006 2.48432153859209E-006 2.74219475878177E-006
 G3 7.61169366405901E-007 -1.40059252121241E-006 -4.32254504891579E-007

G0 'V106 Day086(I) 00:17 00000933.SSF
 G1 2098-2145 -15170.053413 -16017.545438 -19405.093589
 G2 5.07836744658931E-006 1.08138297439788E-005 1.90518467322898E-005
 G3 3.79498362246490E-006 -4.03519506552893E-006 -9.02090471678527E-006

G0 'V107 Day086(J) 01:01 00000945.SSF
 G1 2098-2149 -7158.243084 12559.843430 5630.099904
 G2 2.34469333142872E-006 3.27344204754793E-006 5.57383104589629E-006
 G3 1.88311045152086E-006 -2.28566868675543E-006 -3.30427395257512E-006

G0 'V108 Day086(I) 00:18 00000937.SSF
 G1 2098-2100 -1394.984453 4007.891618 2271.413780
 G2 1.17503027674550E-006 2.62466332003064E-006 4.60853948125162E-006
 G3 8.56051002771500E-007 -9.25280304938500E-007 -2.20124058600168E-006

G0 'V109 Day086(J) 00:58 00000949.SSF
 G1 2098-2148 -7163.955420 -9261.199517 -10287.124913
 G2 4.16060806384380E-006 5.55896291999942E-006 9.83747085881612E-006
 G3 3.27627356379205E-006 -4.02064468360579E-006 -5.70602456613134E-006

G0 'V110 Day086(A) 15:00 00000973.SSF
 G1 1779-2149 8829.938625 -12258.659837 -4535.498455
 G2 2.61347903471355E-006 4.33014944946106E-006 9.20909945649728E-006
 G3 1.49453064348681E-006 -5.68196828847506E-007 -2.98583998568291E-006

G0 'V111 Day086(J) 00:59 00000957.SSF
 G1 2148-2145 -8006.104127 -6756.349285 -9117.945321
 G2 6.33695696611136E-006 6.05640134328945E-006 1.12096693160150E-005
 G3 4.65550537574914E-006 -5.91583436624359E-006 -5.83715905332910E-006

G0 'V112 Day086(K) 02:01 00000961.SSF
 G1 2100-2149 -5763.241365 8551.967522 3358.668930
 G2 4.62121456330792E-006 1.20304826379427E-005 1.11079793925039E-005
 G3 3.64923173192305E-006 -4.29402203892013E-006 -4.79630240840311E-006

G0 'V113 Day086(J) 00:59 00000953.SSF
 G1 2100-2148 -5768.962512 -13269.081851 -12558.564286
 G2 7.47524385182860E-006 7.82201135859702E-006 1.41901670620123E-005
 G3 5.66913599184487E-006 -7.11937366366005E-006 -7.60923018404842E-006

G0 'V114 Day086(K) 02:00 00000965.SSF
 G1 2149-2148 -5.716245 -21821.035724 -15917.240771
 G2 3.38195320978979E-006 5.18102548854046E-006 6.36677132180487E-006
 G3 2.28384830570843E-006 -3.04539363134869E-006 -2.75508376363221E-006

G0 'V115 Day086(K) 02:00 00000969.SSF
 G1 2098-2148 -7163.954260 -9261.165909 -10287.140202
 G2 6.25893038128992E-006 1.00351067605115E-005 1.09547805071403E-005
 G3 4.02782744773053E-006 -5.13991684908251E-006 -5.24434195641061E-006

G0 'V116 Day086(A) 14:49 00000977.SSF
 G1 1779-2143 -13297.852745 -31841.488183 -30161.931576
 G2 2.01799780261835E-006 3.71004759393904E-006 6.16135251762990E-006
 G3 1.23050643534955E-006 -7.49397767152228E-007 -2.28832417448892E-006

G0 'V117 Day086(A) 14:49 00000981.SSF
 G1 1779-2146 -274.392738 -32466.820428 -23921.425250
 G2 2.62055890426170E-006 4.88338661618579E-006 8.11348155611139E-006
 G3 1.61006109246701E-006 -9.67651255707673E-007 -3.04074176732020E-006

G0 'V118 Day086(B) 16:15 00000989.SSF
 G1 1779-2149 8829.947166 -12258.651754 -4535.506333
 G2 1.66535036131441E-006 3.30018364949930E-006 4.57223857705125E-006
 G3 1.45367874611733E-006 -1.59553153393849E-006 -2.15651332982437E-006

G0 'V119 Day086(A) 14:56 00000985.SSF
 G1 1779-2148 8824.221264 -34079.703203 -20452.721091
 G2 7.03503899366537E-006 3.47591746452934E-006 5.48576143324772E-006
 G3 2.52564526931525E-006 -1.03530146391943E-006 -1.98454134513170E-006

G0 'V120 Day086(B) 16:04 00000993.SSF
 G1 1779-2143 -13297.837910 -31841.471755 -30161.953951
 G2 2.15881670026405E-006 4.16720856423059E-006 5.68604693028727E-006
 G3 1.89431879542807E-006 -1.96734047376154E-006 -2.69970767220927E-006

G0 'V121 Day086(B) 16:15 00000997.SSF
 G1 2143-2146 13023.452872 -625.339294 6240.515770
 G2 1.56284398758294E-006 3.08260407071196E-006 4.16719242374200E-006
 G3 1.37933108326007E-006 -1.48282979805696E-006 -2.00976218054313E-006

G0 'V122 Day086(B) 16:16 00001001.SSF
 G1 2146-2147 10406.825641 -5004.939477 1663.265371
 G2 1.85568097609391E-006 3.65622654623320E-006 5.04172562691318E-006
 G3 1.62231544515058E-006 -1.77899846521311E-006 -2.39785539434789E-006

G0 'V123 Day086(C) 17:17 00001005.SSF
 G1 2143-2146 13023.457682 -625.339918 6240.515363
 G2 1.91438175754427E-006 2.59567132386284E-006 4.66022465383382E-006
 G3 1.17841470814777E-006 -1.25570975803411E-006 -1.58139353659398E-006

G0 'V124 Day086(C) 17:17 00001009.SSF
 G1 2143-2147 23430.277796 -5630.273219 7903.778609
 G2 1.00691601511148E-006 1.37800692531379E-006 2.61935964893289E-006
 G3 6.18232290274032E-007 -6.96441506272008E-007 -8.41461331886657E-007

G0 'V125 Day086(D) 18:18 00001013.SSF
 G1 2148-2147 1308.226572 -3392.041387 -1805.445254
 G2 2.15305177519034E-006 2.06836178319784E-006 1.79850395178435E-006
 G3 1.49633624867246E-006 -7.21015980005788E-007 -1.29894227647207E-006

G0 'V126 Day086(D) 18:18 00001017.SSF
 G1 2148-2146 -9098.599924 1612.898015 -3468.711928
 G2 8.72166623151500E-006 7.46884963053869E-006 6.60549890201110E-006
 G3 5.96147466856745E-006 -3.38721620963873E-006 -4.93322964998082E-006

G0 'V127 Day086(E) 19:19 00001021.SSF
 G1 2145-2146 -1092.503282 8369.227100 5649.239432
 G2 2.87122885554358E-006 4.44552706058492E-006 8.65691907426032E-006
 G3 1.82239049597961E-006 -1.68335705234668E-006 -3.30238138819930E-006

G0 'V128 Day086(E) 19:19 00001025.SSF
 G1 8597-2146 6120.022304 6439.610460 7929.169834
 G2 1.61058408969254E-006 2.70230183905381E-006 6.00142726027230E-006
 G3 9.70506888765169E-007 -1.11212175287981E-006 -2.14710416337605E-006

G0 'V129 Day086(F) 20:22 00001029.SSF
 G1 8597-2146 6120.014225 6439.611098 7929.178431
 G2 6.92581584677923E-006 8.09549730551547E-006 6.28089526916571E-006
 G3 6.10600848061841E-006 -4.15685344186324E-006 -4.59914539248865E-006

G0 'V130 Day086(F) 20:22 00001033.SSF
 G1 8597-2142 -6095.606768 3334.601506 -681.756337
 G2 3.74083540735642E-006 4.35030959858818E-006 3.33716290447359E-006
 G3 3.30702673421367E-006 -2.24762530949163E-006 -2.46931023623854E-006

G0 'V131 Day086(F) 20:25 00001037.SSF
 G1 8597-2145 7212.529238 -1929.612799 2279.936940
 G2 7.84266765491787E-006 8.36247703859372E-006 5.41405429925021E-006
 G3 7.18114586836356E-006 -4.65610764408010E-006 -4.80490455197387E-006

G0 'V132 Day086(F) 20:25 00001041.SSF
 G1 2145-2144 -6508.150385 -3660.098409 -6110.212346
 G2 5.72220791096058E-006 6.05467912711678E-006 4.02628559910278E-006
 G3 5.17032797200765E-006 -3.16574337828680E-006 -3.44695424355351E-006

G0 'V133 Day086(G) 21:22 00001045.SSF
 G1 8597-2142 -6095.610352 3334.603117 -681.753060
 G2 2.26811912346097E-006 3.92129312201274E-006 4.43424872702735E-006
 G3 2.26382447916097E-006 -1.87125372745679E-006 -3.23729025586791E-006

G0 'V134 Day086(G) 21:22 00001049.SSF
 G1 8597-2144 704.375459 -5589.710133 -3830.276423
 G2 2.10086706583842E-006 3.52759499923536E-006 4.00558806517422E-006
 G3 2.07827709204404E-006 -1.74486158092323E-006 -2.93068779057514E-006

G0 'V135 Day086(H) 22:23 00001053.SSF
 G1 8597-2144 704.373819 -5589.714486 -3830.275656
 G2 8.85576531647371E-007 1.27119986077260E-006 3.51647141749271E-006
 G3 6.47094375072256E-007 -1.01300706316096E-006 -1.44185654489224E-006

G0 'V136 Day086(H) 22:22 00001057.SSF
 G1 2144-2141 -13382.276763 10418.844954 942.992916
 G2 8.03406623568664E-007 1.11348313036138E-006 3.07300010101442E-006
 G3 5.84598308997959E-007 -9.15035829755544E-007 -1.27331287671972E-006

G0 'V137 Day086(H) 22:23 00001061.SSF
 G1 2142-2141 -6582.291527 1494.530837 -2205.536854
 G2 8.62086369251786E-007 1.18042014493965E-006 3.25631472584666E-006
 G3 6.24774528772827E-007 -9.76565147989028E-007 -1.35099099528424E-006

G0 'V138 Day086(I) 23:23 00001065.SSF
 G1 8472-2144 15152.020262 23996.698059 25876.438623
 G2 1.33771137902668E-006 1.73496230109218E-006 1.56180901617419E-006
 G3 9.71934624853355E-007 -7.84685632825985E-007 -7.55404515266898E-007

G0 'V139 Day086(I) 23:23 00001069.SSF
 G1 8472-2142 8352.033309 32921.008615 29024.962453
 G2 1.47257779076358E-006 1.90905075554622E-006 1.71161541350731E-006
 G3 1.06673878201536E-006 -8.75215206805544E-007 -8.35113434669729E-007

G0 'V140 Day086(I) 23:24 00001073.SSF
 G1 8472-2141 1769.743632 34415.542639 26819.430278
 G2 1.28792093415627E-006 1.68409853447745E-006 1.47086073977885E-006
 G3 9.44378820352262E-007 -7.48526539132517E-007 -7.38801466345532E-007

G0 'V141 Day087(J) 00:24 00001089.SSF
 G1 2137-2144 10762.400739 -12817.316020 -4027.497297
 G2 5.82203410439669E-006 1.35737969949972E-005 1.64252124544584E-005
 G3 6.45547015001429E-006 -5.32802427487827E-006 -1.19450243443507E-005

G0 'V142 Day087(J) 00:25 00001081.SSF
 G1 2137-2142 3962.417384 -3893.002164 -878.973192
 G2 5.74057435681845E-006 1.35150394449071E-005 1.63831116564552E-005
 G3 6.40424382796601E-006 -5.30825396467462E-006 -1.19456285187305E-005

G0 'V143 Day087(J) 00:25 00001077.SSF
 G1 2137-8472 -4389.625021 -36814.037530 -29903.922943
 G2 7.42382993222802E-006 1.76499265875124E-005 2.15213879377845E-005
 G3 8.31689243410149E-006 -6.95624041920408E-006 -1.56917300722002E-005

G0 'V144 Day087(J) 00:25 00001085.SSF
 G1 2137-2141 -2619.867338 -2398.464194 -3084.511304
 G2 7.74938159245721E-007 1.80937489035995E-006 2.18328226921987E-006
 G3 8.60987992646193E-007 -7.07579960459730E-007 -1.59199204820089E-006

G0 'V145 Day087(K) 01:26 00001093.SSF
 G1 8472-2144 15152.013256 23996.701035 25876.458297
 G2 1.31340478435005E-006 2.41260174403381E-006 2.65314064519782E-006
 G3 9.48122437331604E-007 -1.22103876986777E-006 -1.29572854266051E-006

G0 'V146 Day087(K) 01:26 00001097.SSF
 G1 2144-2142 -6799.984853 8924.306369 3148.527908
 G2 1.09457645675580E-006 2.02624059955718E-006 2.18817209071103E-006
 G3 7.90807871985291E-007 -1.00895142452042E-006 -1.08126230791781E-006

G0 'V147 Day087(L) 02:28 00001101.SSF
 G1 8597-8472 -14447.625493 -29586.402453 -29706.735157
 G2 2.13050641290002E-006 2.86025541337593E-006 4.11397850684944E-006
 G3 1.22097563753009E-006 -1.72067266194970E-006 -2.07553843707197E-006

G0 'V148 Day087(L) 02:10 00001105.SSF
 G1 8597-2143 -6903.427931 7064.951208 1688.663385
 G2 9.07259730141592E-007 1.50600165062735E-006 1.92520056168830E-006
 G3 5.51459735209177E-007 -7.73156986483685E-007 -9.78210960577525E-007

G0 'V149 Day087(L) 02:27 00001109.SSF
 G1 2143-2142 807.829212 -3730.345312 -2370.404096
 G2 2.53317692237411E-007 3.26893676830127E-007 4.70157573323614E-007
 G3 1.41129199678924E-007 -2.00879762073949E-007 -2.39352965624210E-007

G0 'V150 Day087(L) 02:27 00001113.SSF
 G1 2144-2142 -6799.984641 8924.316864 3148.523204
 G2 1.23532900095394E-006 1.59867675746501E-006 2.29418144512809E-006
 G3 6.91668429251919E-007 -9.88295382519551E-007 -1.16655469241630E-006
 [File: \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\HDR\PACR 2013\P2KGPS.gps]
 .GPS WEIGHT COVARIANCE

G0 'V151 Day350(1) 17:06 00005224.ssf
 G1 2155-2886 809.692251 -2009.990846 -1209.877235
 G2 1.71667798330459E-006 4.81604680477167E-006 3.18126610940093E-006
 G3 1.89500866410835E-006 -1.33363159714702E-006 -2.17759012380450E-006

G0 'V152 Day350(1) 17:07 00005228.ssf
 G1 2886-2887 985.314875 1396.580260 1446.690644
 G2 1.34038254729500E-006 4.17618777891485E-006 2.47844306448541E-006
 G3 1.58243043976034E-006 -1.07176397966096E-006 -1.89339491685781E-006

G0 'V153 Day357(0) 16:21 00005260.ssf
 G1 2886-2887 985.316982 1396.573017 1446.701331
 G2 6.88806696124616E-007 1.85627574101610E-006 1.21094284875082E-006
 G3 8.16466509657296E-007 -5.80923839661905E-007 -9.46136137449712E-007

.DATA OFF
 G0 'V154 Day357(1) 17:33 00005276.ssf
 G1 2884-2887 1682.634512 -971.245566 -38.121231
 G2 1.28469669046191E-006 1.94704986931319E-006 1.87837848330297E-006
 G3 1.27217714491468E-006 -7.03940078977303E-007 -8.09523579085931E-007

G0 'V155 Day357(2) 18:40 00005284.ssf
G1 2155-2884 112.373379 357.833875 274.937992
G2 9.50411473660070E-007 2.28481590118759E-006 9.22869852663631E-007
G3 1.29631238011008E-006 -6.11049301000055E-007 -1.11722828997680E-006

.DATA ON

G0 'V156 Day357(2) 18:40 00005288.ssf
G1 2155-2887 1795.007433 -613.415073 236.815127
G2 2.60659398699497E-006 2.28488368844901E-006 1.08154760943042E-005
G3 2.26893895054179E-006 3.34217456838655E-006 3.43191880291193E-006

G0 'V157 Day357(3) 19:51 00005304.ssf
G1 2158-2886 -4349.311835 2321.404610 -429.273256
G2 1.34709420508047E-006 1.90506080120936E-006 3.85158490586301E-006
G3 1.09792468858228E-006 -7.23839038157733E-007 -6.97309181214955E-007

G0 'V158 Day357(4) 21:05 00005308.ssf
G1 2158-2887 -3363.989801 3717.994698 1017.401840
G2 4.35517556160964E-006 3.85222155046343E-006 3.93523452558115E-006
G3 3.38318287131903E-006 -2.40762051728893E-006 -2.98218062731543E-006

G0 'V159 Day357(4) 21:04 00005312.ssf
G1 2887-2886 -985.319587 -1396.584213 -1446.689833
G2 2.37855798107234E-006 3.06552015943893E-006 2.69697959158578E-006
G3 1.91708663216316E-006 -6.79394878750792E-007 -1.87442365317545E-006

[File: \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\HDR\PACR 2013\HDR.gps]
.GPS WEIGHT COVARIANCE

G0 'V160 Day299(0) 15:27 00006584.ssf
G1 2155-1A 783.229847 -1982.400802 -1207.396345
G2 6.65997309795956E-007 1.36600053602421E-006 1.91651762402770E-006
G3 7.30620121408759E-007 -8.18470253102771E-007 -1.36167644357363E-006

G0 'V161 Day299(0) 15:28 00006588.ssf
G1 2155-2 767.616190 -2000.738470 -1226.087963
G2 7.14497475201021E-007 1.50762980952814E-006 2.61223724578919E-006
G3 8.14685323753002E-007 -1.00833724235704E-006 -1.68134596210393E-006

G0 'V162 Day299(0) 15:35 00006592.ssf
G1 2155-3 632.148069 -1928.235232 -1252.144106
G2 7.54839448116616E-007 1.67798558055525E-006 2.31644529841339E-006
G3 8.68778226042157E-007 -9.80908719528613E-007 -1.68669301858514E-006

G0 'V163 Day299(0) 17:28 00006596.ssf
G1 1A-2 -15.617851 -18.339312 -18.688906
G2 1.68798328639356E-007 2.95384606929580E-007 3.19652461844843E-007
G3 1.49221698422411E-007 -9.16393576618352E-008 -1.07105000611035E-007

G0 'V164 Day299(0) 15:36 00006600.ssf
G1 2887-1A -1011.780579 -1368.995412 -1444.203569
G2 9.37220018556043E-007 2.00237954648858E-006 2.61241478575683E-006
G3 1.06332232995578E-006 -1.16638366889554E-006 -1.96288671919575E-006

G0 'V165 Day299(0) 15:36 00006604.ssf
G1 2887-2 -1027.393506 -1387.332293 -1462.896917
G2 1.13921839551373E-006 2.51176094422938E-006 4.27759687179461E-006
G3 1.35361734111778E-006 -1.68050094058956E-006 -2.83125152183506E-006

G0 'V166 Day299(0) 15:36 00006608.ssf
G1 2887-3 -1162.861938 -1314.829176 -1488.952674
G2 9.14993384478023E-007 1.95900899801287E-006 2.67800819533477E-006
G3 1.04551829846478E-006 -1.17200635304949E-006 -1.96955938666946E-006

G0 'V167 Day299(1) 16:47 00006612.ssf
 G1 2886-1A -26.463228 27.604952 2.483476
 G2 6.95139711409746E-007 9.17538092280349E-007 1.91863756191091E-006
 G3 4.09186570161134E-007 -6.43629310672254E-007 -7.43624154134203E-007

G0 'V168 Day299(1) 16:47 00006616.ssf
 G1 2886-2 -42.078996 9.265506 -16.202687
 G2 7.30252387584588E-007 1.14530687576101E-006 1.94503176208821E-006
 G3 4.83183846059408E-007 -5.05016918517043E-007 -7.68168361301953E-007

G0 'V169 Day299(1) 16:47 00006620.ssf
 G1 2886-3 -177.544208 81.770636 -42.261069
 G2 2.70917213568237E-006 1.63234784837578E-006 4.04750469407954E-006
 G3 1.48364814689955E-006 -2.56275111456733E-006 -1.84954918607003E-006

G0 'V170 Day299(1) 17:00 00006624.ssf
 G1 2158-1A -4375.763862 2349.019085 -426.794775
 G2 9.72665798565359E-007 1.51855982079953E-006 1.75563768496741E-006
 G3 7.11743532414093E-007 -5.15558308786729E-007 -9.60525501722259E-007

G0 'V171 Day299(1) 17:00 00006628.ssf
 G1 2158-2 -4391.381161 2330.680895 -445.480229
 G2 1.25233282384086E-006 1.52102876314525E-006 2.12416024639024E-006
 G3 8.40670853261021E-007 -8.79810055801740E-007 -1.10640077768307E-006

G0 'V172 Day299(1) 17:00 00006632.ssf
 G1 2158-3 -4526.860105 2403.185569 -471.532801
 G2 2.03877287433108E-006 1.34175761174571E-006 2.90617376897934E-006
 G3 1.14027430456160E-006 -1.88845643183184E-006 -1.38508780508139E-006

G0 'V173 Day299(0) 16:30 00006636.ssf
 G1 2-3 -135.479696 72.494993 -26.042488
 G2 1.59534698315696E-006 2.24089087992178E-006 7.85505358744573E-006
 G3 1.05943101185705E-006 -2.01140753427747E-006 -2.71676686915204E-006

G0 'V174 Day299(2) 17:59 00006640.ssf
 G1 2155-1A 783.217965 -1982.406165 -1207.385766
 G2 4.62729221359306E-007 1.44922243187291E-006 1.79281303407705E-006
 G3 4.62095415931354E-007 -3.46071695615237E-007 -1.18342052248523E-006

G0 'V175 Day299(2) 17:59 00006644.ssf
 G1 2155-2 767.604850 -2000.740976 -1226.088913
 G2 2.52912205393346E-007 9.95470119686885E-007 2.44964147652031E-006
 G3 2.38993694581221E-007 -3.25727052539035E-007 -9.42029974244909E-007

G0 'V176 Day299(2) 17:59 00006648.ssf
 G1 2155-3 632.134331 -1928.243108 -1252.134884
 G2 4.35732967445362E-007 1.21974586873685E-006 1.45689948951059E-006
 G3 4.33889395977587E-007 -3.06931841526379E-007 -9.65525362372601E-007

G0 'V177 Day299(2) 18:07 00006652.ssf
 G1 2887-1A -1011.776685 -1368.988977 -1444.209822
 G2 6.13979399294289E-007 1.62633829438553E-006 2.17445218384251E-006
 G3 6.28694855253464E-007 -4.11178447386739E-007 -1.27833252248759E-006

G0 'V178 Day299(2) 18:07 00006656.ssf
 G1 2887-2 -1027.394174 -1387.330519 -1462.899283
 G2 3.86967280989520E-007 1.01771195861925E-006 2.93372297725561E-006
 G3 3.98000295478756E-007 -4.06354449362142E-007 -9.27259127729012E-007

G0 'V179 Day299(2) 18:07 00006660.ssf
 G1 2887-3 -1162.860794 -1314.827368 -1488.953427
 G2 4.98989240516251E-007 1.26103143775751E-006 3.68250716432353E-006
 G3 5.04732381556388E-007 -5.67960368768039E-007 -1.21145914644017E-006

G0 'V180 Day299(3) 19:22 00006664.ssf
G1 2886-1A -26.467820 27.596888 2.490820
G2 4.47059428096659E-007 3.48572764701109E-006 2.84394878173250E-006
G3 1.67578997566892E-007 -3.70531709245124E-007 -2.49331533115209E-006

G0 'V181 Day299(3) 19:22 00006668.ssf
G1 2886-2 -42.083005 9.252225 -16.197184
G2 8.84392570756556E-007 1.38459770045611E-006 4.29177727546987E-006
G3 4.59445849864497E-007 -1.11779257683971E-006 -4.24111539756730E-007

G0 'V182 Day299(0) 17:22 00006672.ssf
G1 1A-3 -151.086793 54.162805 -44.746022
G2 3.68363977983284E-007 9.47212738431866E-007 1.29958587598201E-005
G3 3.61219059053517E-007 -1.13448213797627E-006 -2.85214479348016E-006

G0 'V183 Day299(3) 20:00 00006676.ssf
G1 2158-1A -4375.763793 2349.018527 -426.785090
G2 1.53601642959569E-006 3.05961075715845E-006 2.35060118281640E-006
G3 1.52296566591241E-006 -1.50719434912983E-006 -1.44447902211235E-006

G0 'V184 Day299(3) 20:00 00006680.ssf
G1 2158-2 -4391.380812 2330.677175 -445.470991
G2 1.32430070547918E-006 2.65002805990502E-006 2.04052114672365E-006
G3 1.31246630430767E-006 -1.30204899901703E-006 -1.24460429472035E-006

SUBSEQUENT TO PERFORMING THE GPS MEASUREMENTS AND PRIOR REMOVING THE TRIBRACH
FROM THE TRIPOD, IT WAS DISCOVERED THAT THE GPS RECEIVER OCCUPYING PACR CP-1 WAS
NOT CENTERED OVER THE EXISTING REBAR. USING THE OPTICAL PLUMMET AND A TAPE A DISTANCE
OF 0.04 FEET (NORTHEASTERLY) WAS MEASURED FROM THE CENTER OF THE REBAR TO THE ACTUAL
POINT OF OCCUPATION. THIS POINT WAS RENUMBERED 1A IN THIS ADJUSTMENT AND THE ACTUAL
TERRESTRIAL MEASUREMENTS TO THE CENTER OF THE REBAR IS THE TRUE POINT AND IS NUMBERED
POINT NUMBER 1 IN THE TERRESTRIAL MEASUREMENTS FILE.

[File: \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\HDR\PACR 2013\HDR-1.dat]

STAR*TDS Version 3.0.4

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Input Field File : \\SERVER\workfiles\STARNET PROJECTS\PROJECTS\CCGF\2013 READJUSTMENT\HDR-1.RAW

Date Processed : 10-25-2013 20:56:18

.Units FeetUS
.Units DMS
.Order AtFromTo
.Sep -
.Delta Off
.3D

Job : HDR-1
Date : 10-24-2013
Time : 10:11:05

TERRESTRIAL MEASUREMENTS BETWEEN EXISTING CONTROL POINT 2886 SCHREINER AND NEW
CONTROL POINTS ESTABLISHED FOR THIS PROJECT.

CREW: WILLIAM VERNON AND JEFF HEISTAND
AIR PRESSURE: 28.1" MERCURY
TEMPERATURE: 46° F
PPM: 10
PRISM OFFSET 28MM
SUNNY

SEE FIELD BOOK # 1, 5-29-5, PAGES 14-21

DV 2886-2		151.0330	92-11-45.86	5.310/5.260	
M 2886-2-1	41-03-09.50	125.7450	95-51-36.97	5.310/5.080	'PACR CP-1
DV 2-2886		151.0200	87-55-13.86	5.410/5.160	
M 2-2886-1	304-33-41.50	100.0000	93-56-30.58	5.410/5.400	'PACR CP-1
TB 2886					'SCHREINER
T 2	142-15-00.50	303.4295	90-34-29.21	5.410/5.190	'PACR CP-2
M 2-20-2886	217-45-05.50	151.0230	87-55-07.36	5.410/5.160	'SCHREINER
T 20	229-56-51.50	184.5225	91-23-02.72	5.340/5.280	'SPK
M 20-21-2	130-03-23.00	303.4265	89-29-00.71	5.340/5.260	'PACR CP-2
T 21	246-18-59.50	317.7950	94-43-36.65	5.430/5.160	'SPK
M 21-3-20	113-41-07.50	184.5140	88-42-56.22	5.430/5.190	'SPK
M 3-21-4	96-17-10.75	178.6618	88-01-57.49	5.320/5.370	'PACR CP-4
T 3	177-34-35.83	662.9440	91-45-59.36	5.320/5.250	'PACR CP-3
M 3-22-21	182-25-26.00	317.7700	85-19-43.65	5.320/5.280	'SPK
M 3-22-4	278-42-37.50	178.6495	88-07-20.24	5.320/5.070	'PACR CP-4
M 22-3-6	52-45-38.00	130.5800	87-54-26.95	5.400/5.410	'PACR CP-6
M 22-3-5	284-11-35.00	348.0520	90-53-17.03	5.400/5.560	'PACR CP-5
T 22	338-54-21.50	298.3430	89-21-40.74	5.400/5.190	'SPK
M 22-23-5	305-17-09.50	348.0585	90-56-47.03	5.400/5.210	'PACR CP-5
M 22-23-6	73-51-13.00	130.5770	88-00-17.45	5.400/5.190	'PACR CP-6
M 23-22-3	216-42-02.00	399.3560	87-37-15.31	5.340/5.160	'PACR CP-3
T 23	143-09-00.50	251.9695	88-04-21.93	5.340/5.070	'SPK
M 23-24-22	216-50-49.50	298.3490	90-42-19.74	5.340/5.250	'SPK
T 24	213-29-18.50	619.0195	85-39-07.88	5.220/5.300	'SPK
M 24-2886-23	146-30-36.50	251.9780	92-00-15.43	5.220/5.190	'SPK
TE 2886	308-22-17.00	2	#CLOSING ANGLE TO 2		
DV 2886-2		151.0545	92-24-23.86	5.450/4.860	

MEASUREMENT FROM CENTER OF REBAR TO GPS POINT OF OCCUPATION OF POINT PACR CP-1.

.2D
D 1-1A .04

Summary of Unadjusted Input Observations
=====

Number of Entered Stations (Meters) = 29

Fixed Stations	Latitude	Longitude	Elev	Description
1638	48-11-52.346400	124-07-08.353170	4.8130	N 469 (TS0058)
1885	48-07-25.148280	123-27-04.017310	4.0690	944 4090 A TIDAL (TR2551)
8597	47-56-12.192210	124-23-44.165620	87.9500	FORKS RESET (SD0880)

Partially Fixed	Latitude N-StdErr	Longitude E-StdErr	Elev StdErr	Description
1487	47-49-27.056410 0.0356	122-52-31.623930 0.0358	12.7300 0.0300	SCHOOL(SY5641)
1779	48-22-00.750240 0.0044	124-37-15.661790 0.0032	5.6750 0.0200	944 3090 A TIDAL (TS0340)
1823	n/a FREE	n/a FREE	76.0600 FIXED	SAWMILL 2 (TR2398)
1927	48-08-30.271490 0.0194	123-25-32.183110 0.0195	4.4000 FREE	EAST BASE AZ MK (TR2552)
2133	n/a FREE	n/a FREE	52.1280 0.0100	CARLSBORG (TR0834)
2137	47-56-22.820510 FIXED	124-33-40.803780 FIXED	57.8000 FREE	QUILLAYUTE RESET (SD0799)
2156	48-07-30.759810 FIXED	123-30-08.015010 FIXED	71.9900 FREE	CBL150 (AC5475)
8207	48-03-16.406310 0.0178	122-48-33.663710 0.0133	32.3980 0.0100	JCIA (TR2696)
8472	47-32-24.686040 0.0213	124-19-55.026490 0.0189	12.5600 0.0300	QUIN (SD0881)
8894	48-04-50.329010 FIXED	123-06-14.704210 FIXED	56.7000 FREE	WEGENEST (AI2209)

Free Stations	Latitude	Longitude	Elev	Description
2098	48-13-45.580811	124-15-14.852121	18.0350	GP05112-29
2111	48-04-18.909498	123-46-27.262665	180.0350	GP05101-11
2130	48-07-09.579497	123-40-11.738719	76.1290	GP05112-8
2136	48-02-24.424428	123-09-09.753912	139.4290	PETE
2141	n/a	n/a	88.6634	LAPUSH
2142	n/a	n/a	49.6093	GOODMAN
2144	n/a	n/a	71.6617	UNDIE RD.
2146	n/a	n/a	109.2375	BEDROCK
2148	n/a	n/a	150.9403	BEAVER FALLS
2149	n/a	n/a	4.3404	RAYS
2150	n/a	n/a	87.5662	S2500
2151	n/a	n/a	114.0503	CRESCENT HS
2160	n/a	n/a	14.7615	CASINO
2161	n/a	n/a	2.8316	GARDINER
8275	n/a	n/a	3.0000	QUARINTINE 2 (TR1746)
8870	n/a	n/a	2.6100	SAND (TR2365)

Number of Measured Angle Observations (DMS) = 23

At	From	To	Angle	StdErr	t-T
2	2886	1	304-33-41.50	15.88	0.00
2	2886	20	142-15-00.50	13.35	0.00
2	20	2886	217-45-05.50	13.35	-0.00
3	21	4	96-17-10.75	10.82	0.00
3	22	4	278-42-37.50	9.69	-0.00
3	22	21	182-25-26.00	7.82	-0.00
3	21	22	177-34-35.83	7.82	0.00
20	21	2	130-03-23.00	11.62	-0.00
20	2	21	229-56-51.50	11.62	0.00
21	20	3	246-18-59.50	11.11	0.00
21	3	20	113-41-07.50	11.11	-0.00
22	3	5	284-11-35.00	6.72	0.00
22	23	5	305-17-09.50	7.39	-0.00

22	3	6	52-45-38.00	11.83	0.00
22	23	6	73-51-13.00	12.60	0.00
22	3	23	338-54-21.50	6.61	0.00
23	22	3	216-42-02.00	8.75	-0.00
23	24	22	216-50-49.50	10.25	0.00
23	22	24	143-09-00.50	10.25	-0.00
24	2886	23	146-30-36.50	8.69	0.01
24	23	2886	213-29-18.50	8.69	-0.01
2886	2	1	41-03-09.50	13.02	-0.00
2886	24	2	308-22-17.00	10.48	-0.00

Number of Measured Distance Observations (Meters) = 26

From	To	Distance	StdErr	HI	HT	Comb Grid	Type
1	1A	0.0122	0.0029	0.000	0.000	0.9998967	H
2	1	30.4801	0.0030	1.649	1.646	0.9998965	S
2	20	92.4855	0.0031	1.649	1.582	0.9998964	S
2	2886	46.0319	0.0030	1.649	1.573	0.9998963	S
2	2886	46.0310	0.0030	1.649	1.573	0.9998963	S
3	4	54.4562	0.0030	1.622	1.637	0.9998979	S
3	4	54.4525	0.0030	1.622	1.545	0.9998979	S
3	21	96.8565	0.0031	1.622	1.609	0.9998974	S
3	22	202.0657	0.0032	1.622	1.600	0.9998985	S
20	2	92.4846	0.0031	1.628	1.603	0.9998964	S
20	21	56.2426	0.0030	1.628	1.609	0.9998967	S
21	3	96.8641	0.0031	1.655	1.573	0.9998974	S
21	20	56.2400	0.0030	1.655	1.582	0.9998967	S
22	5	106.0865	0.0031	1.646	1.695	0.9998991	S
22	5	106.0884	0.0031	1.646	1.588	0.9998991	S
22	6	39.7999	0.0030	1.646	1.582	0.9998988	S
22	6	39.8009	0.0030	1.646	1.649	0.9998988	S
22	23	90.9351	0.0031	1.646	1.582	0.9998989	S
23	3	121.7240	0.0031	1.628	1.573	0.9998983	S
23	22	90.9370	0.0031	1.628	1.600	0.9998989	S
23	24	76.8005	0.0030	1.628	1.545	0.9998986	S
24	23	76.8030	0.0030	1.591	1.582	0.9998986	S
24	2886	188.6775	0.0032	1.591	1.615	0.9998973	S
2886	1	38.3272	0.0030	1.618	1.548	0.9998965	S
2886	2	46.0350	0.0030	1.618	1.603	0.9998963	S
2886	2	46.0415	0.0030	1.661	1.481	0.9998963	S

Number of Zenith Observations (DMS) = 25

From	To	Zenith	StdErr	HI	HT
2	1	93-56-30.58	17.69	1.649	1.646
2	20	90-34-29.21	11.10	1.649	1.582
2	2886	87-55-13.86	13.90	1.649	1.573
2	2886	87-55-07.36	13.90	1.649	1.573
3	4	88-01-57.49	12.91	1.622	1.637
3	4	88-07-20.24	12.91	1.622	1.545
3	21	85-19-43.65	11.00	1.622	1.609
3	22	91-45-59.36	10.24	1.622	1.600
20	2	89-29-00.71	11.10	1.628	1.603
20	21	91-23-02.72	12.75	1.628	1.609
21	3	94-43-36.65	11.00	1.655	1.573
21	20	88-42-56.22	12.75	1.655	1.582
22	5	90-56-47.03	10.84	1.646	1.588
22	5	90-53-17.03	10.84	1.646	1.695
22	6	88-00-17.45	14.99	1.646	1.582
22	6	87-54-26.95	14.99	1.646	1.649
22	23	89-21-40.74	11.13	1.646	1.582
23	3	87-37-15.31	10.65	1.628	1.573
23	22	90-42-19.74	11.13	1.628	1.600
23	24	88-04-21.93	11.55	1.628	1.545
24	23	92-00-15.43	11.55	1.591	1.582
24	2886	85-39-07.88	10.27	1.591	1.615

2886	1	95-51-36.97	15.32	1.618	1.548
2886	2	92-11-45.86	13.90	1.618	1.603
2886	2	92-24-23.86	13.90	1.661	1.481

Number of GPS Vector Observations (Meters) = 182

From To	DeltaX DeltaY DeltaZ	StdErrX StdErrY StdErrZ	CorrelXY CorrelXZ CorrelYZ
(V1 Day083 (A) 14:30 00000509.SSF)			
1487	7911.3995	0.0073	0.3311
2161	17765.6715	0.0120	-0.2881
	17322.8795	0.0110	-0.4829
(V2 Day083 (A) 14:29 00000513.SSF)			
1487	312.9787	0.0073	0.3421
2160	19218.8098	0.0122	-0.2903
	14718.2929	0.0111	-0.4849
(V3 Day083 (A) 14:25 00000517.SSF)			
8870	-1499.6134	0.0049	0.1614
2160	-2254.3010	0.0062	-0.1356
	-2418.4065	0.0059	-0.2905
(V4 Day083 (A) 14:22 00000521.SSF)			
8207	-12643.4501	0.0052	0.2108
8870	8184.1555	0.0071	-0.1812
	-37.5098	0.0067	-0.3580
(V5 Day083 (B) 15:33 00000525.SSF)			
2161	-7598.4098	0.0092	0.4209
2160	1453.1293	0.0107	-0.0074
	-2604.5768	0.0140	-0.3973
(V6 Day083 (0) 15:33 00000529.SSF)			
1487	312.9775	0.0104	0.4418
2160	19218.7983	0.0122	-0.0094
	14718.3132	0.0161	-0.4121
(V7 Day083 (B) 15:33 00000533.SSF)			
8207	-6544.6460	0.0080	0.3901
2161	4476.7263	0.0092	-0.0090
	148.6542	0.0118	-0.3751
(V8 Day083 (C) 16:12 00000541.SSF)			
1487	312.9756	0.0078	0.4799
2160	19218.7943	0.0099	-0.4152
	14718.3061	0.0119	-0.4766
(V9 Day083 (C) 16:12 00000537.SSF)			
1487	9594.4854	0.0083	0.6150
8275	20430.5424	0.0090	-0.4303
	20152.8316	0.0088	-0.4792
(V10 Day083 (C) 16:11 00000545.SSF)			
8207	-4861.5413	0.0060	0.4059
8275	7141.6154	0.0066	-0.3012
	2978.5949	0.0069	-0.3563
(V11 Day083 (C) 16:11 00000549.SSF)			
8207	-6544.6461	0.0066	0.4120
2161	4476.7256	0.0081	-0.3625
	148.6604	0.0094	-0.4281
(V12 Day083 (D) 17:13 00000553.SSF)			
2161	1683.1067	0.0049	0.2121
8275	2664.8905	0.0056	-0.1802
	2829.9310	0.0055	-0.1976
(V13 Day083 (F) 18:10 00000565.SSF)			
8894	12404.6831	0.0055	0.1845
8275	-6604.7375	0.0065	-0.1117
	1021.4560	0.0070	-0.3912
(V14 Day083 (E) 17:43 00000557.SSF)			
8870	6098.7963	0.0111	0.4453
2161	-3707.4438	0.0115	-0.4395
	186.1924	0.0230	-0.2657

(V15 Day083 (E) 17:44 00000561.SSF)			
8870	7781.9022	0.0089	0.4034
8275	-1042.5596	0.0094	-0.4042
	3016.1263	0.0182	-0.2658
(V16 Day083 (F) 18:08 00000573.SSF)			
8894	-1544.2648	0.0061	0.2209
2164	-4719.7796	0.0074	-0.1292
	-3781.0843	0.0082	-0.4524
(V17 Day083 (G) 19:12 00000577.SSF)			
2136	4897.6925	0.0058	0.2536
8894	872.9797	0.0071	-0.1812
	2950.0941	0.0092	-0.4064
(V18 Day083 (G) 19:14 00000581.SSF)			
8894	4622.7601	0.0058	0.2537
8870	-5562.1822	0.0070	-0.1863
	-1994.6629	0.0091	-0.4034
(V19 Day083 (G) 19:12 00000585.SSF)			
2136	3353.4291	0.0061	0.2879
2164	-3846.7964	0.0076	-0.1989
	-830.9933	0.0099	-0.4300
(V20 Day083 (H) 20:14 00000589.SSF)			
8894	-1544.2668	0.0067	0.3971
2164	-4719.7844	0.0073	-0.3398
	-3781.0706	0.0079	-0.3626
(V21 Day083 (H) 20:13 00000593.SSF)			
2160	-4667.4442	0.0081	0.4692
2164	3096.7203	0.0091	-0.4002
	632.0011	0.0100	-0.4184
(V22 Day083 (I) 21:13 00000601.SSF)			
2133	7089.7531	0.0114	0.7079
2163	-1412.4275	0.0129	-0.4628
	2347.8618	0.0121	-0.6168
(V23 Day083 (I) 21:14 00000605.SSF)			
2133	2138.4780	0.0090	0.6354
2164	-8374.5603	0.0102	-0.3949
	-4715.2041	0.0099	-0.5736
(V24 Day083 (I) 21:15 00000597.SSF)			
8894	3407.0071	0.0120	0.7070
2163	2242.3414	0.0137	-0.4407
	3281.9903	0.0131	-0.6212
(V25 Day083 (I) 21:15 00000609.SSF)			
2160	-4667.4374	0.0107	0.6794
2164	3096.7120	0.0122	-0.4149
	631.9946	0.0118	-0.6026
(V26 Day083 (J) 22:17 00000613.SSF)			
2133	3682.7566	0.0058	0.3377
8894	-3654.7597	0.0067	-0.3617
	-934.1431	0.0094	-0.5160
(V27 Day083 (J) 22:16 00000617.SSF)			
2133	7089.7666	0.0083	0.5050
2163	-1412.4235	0.0104	-0.4976
	2347.8585	0.0158	-0.6529
(V28 Day083 (J) 22:16 00000621.SSF)			
2133	2138.4895	0.0058	0.3449
2164	-8374.5396	0.0068	-0.3693
	-4715.2245	0.0094	-0.5294
(V29 Day083 (K) 23:40 00000625.SSF)			
8275	-8997.6693	0.0109	0.5517
2163	8847.0720	0.0127	-0.4300
	2260.5531	0.0118	-0.4157
(V30 Day083 (K) 23:36 00000629.SSF)			
8894	12404.6788	0.0061	0.3486
8275	-6604.7371	0.0067	-0.2833
	1021.4535	0.0065	-0.2767

(V31 Day083 (K) 23:47 00000633.SSF)			
2136	4897.6952	0.0065	0.3800
8894	872.9949	0.0073	-0.2777
	2950.0750	0.0070	-0.2895
(V32 Day083 (K) 23:47 00000637.SSF)			
2136	1214.9443	0.0064	0.3693
2133	4527.7589	0.0072	-0.2927
	3884.2120	0.0071	-0.2761
(V33 Day084 (L) 00:56 00000641.SSF)			
2136	1214.9455	0.0062	0.3139
2133	4527.7521	0.0066	-0.3325
	3884.2134	0.0089	-0.4110
(V34 Day084 (L) 01:06 00000645.SSF)			
2133	3924.5821	0.0057	0.2783
2162	3254.9574	0.0060	-0.3137
	4301.2727	0.0075	-0.3728
(V35 Day084 (L) 01:06 00000649.SSF)			
2162	3165.1831	0.0102	0.5265
2163	-4667.3736	0.0101	-0.5098
	-1953.4143	0.0144	-0.5503
(V36 Day084 (M) 02:28 00000653.SSF)			
2133	3924.5784	0.0059	0.2447
2162	3254.9528	0.0066	-0.3420
	4301.2743	0.0073	-0.3487
(V37 Day084 (M) 02:30 00000657.SSF)			
2162	-7999.8144	0.0085	0.3626
2159	1320.7655	0.0100	-0.4745
	-2880.1233	0.0114	-0.4805
(V38 Day084 (M) 02:30 00000661.SSF)			
2159	-2430.9342	0.0085	0.3651
2157	-8331.6409	0.0100	-0.4772
	-6960.8989	0.0115	-0.4804
(V39 Day084 (M) 02:03 00000665.SSF)			
2136	-5291.2338	0.0061	0.2726
2157	771.8187	0.0074	-0.3673
	-1655.5136	0.0077	-0.3753
(V40 Day084 (A) 14:30 00000669.SSF)			
2133	-4075.2260	0.0073	0.3182
2159	4575.7201	0.0112	-0.2707
	1421.1531	0.0109	-0.4443
(V41 Day084 (A) 14:30 00000673.SSF)			
2159	-2430.9387	0.0070	0.3120
2157	-8331.6255	0.0108	-0.2656
	-6960.8883	0.0105	-0.4406
(V42 Day084 (A) 14:30 00000677.SSF)			
1823	6109.7323	0.0067	0.2993
2159	-3186.5798	0.0102	-0.2555
	576.0813	0.0099	-0.4279
(V43 Day084 (A) 14:23 00000681.SSF)			
2157	-2536.3758	0.0048	0.1439
2158	3814.3707	0.0059	-0.1194
	1522.5008	0.0057	-0.2590
(V44 Day084 (B) 15:33 00000685.SSF)			
1823	1142.4220	0.0058	0.2958
2158	-7703.8326	0.0065	-0.0935
	-4862.3079	0.0080	-0.3009
(V45 Day084 (B) 15:34 00000689.SSF)			
1823	6109.7387	0.0083	0.4516
2159	-3186.5745	0.0101	-0.1507
	576.0937	0.0128	-0.4135
(V46 Day084 (B) 15:34 00000693.SSF)			
2133	-4075.2280	0.0098	0.4874
2159	4575.7259	0.0120	-0.1624
	1421.1678	0.0153	-0.4350

(V47 Day084 (C) 16:34 00000697.SSF)			
2133	-9042.5433	0.0060	0.3525
2158	58.4696	0.0073	-0.3459
	-4017.2435	0.0079	-0.3694
(V48 Day084 (C) 16:34 00000701.SSF)			
2159	-4967.3152	0.0077	0.4724
2158	-4517.2500	0.0100	-0.4494
	-5438.4018	0.0110	-0.4523
(V49 Day084 (E) 18:35 00000717.SSF)			
2155	-8052.6236	0.0067	0.3306
2154	6672.0782	0.0085	-0.1347
	892.8790	0.0093	-0.4879
(V50 Day084 (C) 16:34 00000705.SSF)			
2158	-5158.9938	0.0076	0.5896
2155	4331.4219	0.0090	-0.4551
	780.5918	0.0082	-0.4776
(V51 Day084 (C) 16:33 00000709.SSF)			
1823	-4016.5880	0.0067	0.5204
2155	-3372.4189	0.0077	-0.3972
	-4081.7200	0.0072	-0.4210
(V52 Day084 (D) 17:35 00000713.SSF)			
1823	-4016.5781	0.0058	0.2235
2155	-3372.4244	0.0065	-0.1929
	-4081.7150	0.0086	-0.3577
(V53 Day084 (E) 18:35 00000721.SSF)			
2155	-4879.3032	0.0069	0.3114
2156	11310.2693	0.0091	-0.1440
	5623.5799	0.0103	-0.5241
(V54 Day084 (E) 18:36 00000725.SSF)			
1823	-8895.8857	0.0064	0.2934
2156	7937.8506	0.0080	-0.1291
	1541.8571	0.0088	-0.4814
(V55 Day084 (E) 18:36 00000729.SSF)			
1823	-3358.6160	0.0062	0.2926
1927	5972.7386	0.0074	-0.1352
	2718.3152	0.0081	-0.4543
(V56 Day084 (F) 19:37 00000733.SSF)			
2156	5537.2711	0.0081	0.3558
1927	-1965.1051	0.0096	-0.2821
	1176.4582	0.0139	-0.4569
(V57 Day084 (F) 19:37 00000737.SSF)			
2156	-3173.3157	0.0098	0.4034
2154	-4638.1703	0.0116	-0.2921
	-4730.7028	0.0169	-0.4777
(V58 Day084 (F) 19:37 00000741.SSF)			
2155	-8052.6186	0.0091	0.3812
2154	6672.0718	0.0110	-0.2937
	892.8711	0.0161	-0.4746
(V59 Day084 (G) 20:20 00000745.SSF)			
2156	5537.2786	0.0087	0.5505
1927	-1965.1071	0.0098	-0.4684
	1176.4590	0.0100	-0.4358
(V60 Day084 (I) 22:19 00000765.SSF)			
2154	-5335.5550	0.0064	0.3809
2153	4193.1138	0.0075	-0.3954
	230.0804	0.0112	-0.5426
(V61 Day084 (G) 20:20 00000749.SSF)			
1885	2409.6928	0.0103	0.7071
1927	203.5179	0.0106	-0.5219
	1342.7225	0.0091	-0.5639
(V62 Day084 (G) 20:19 00000753.SSF)			
1885	-6300.8991	0.0180	0.7959
2154	-2469.5535	0.0185	-0.6008
	-4564.4464	0.0157	-0.6431

(V63 Day084 (G) 20:17 00000757.SSF)		
1885	1751.7115	0.0203 0.8003
2155	-9141.6240	0.0207 -0.5966
	-5457.3280	0.0176 -0.6466
(V64 Day084 (H) 21:18 00000761.SSF)		
2154	3173.3213	0.0078 0.6340
2156	4638.1879	0.0141 -0.5371
	4730.7040	0.0106 -0.7616
(V65 Day084 (I) 22:17 00000769.SSF)		
2130	2163.1141	0.0068 0.4084
2153	-6943.5643	0.0081 -0.4150
	-4067.1364	0.0121 -0.5685
(V66 Day084 (I) 22:18 00000773.SSF)		
2130	7578.6830	0.0055 0.2930
2165	-2350.4461	0.0062 -0.3233
	1909.5573	0.0087 -0.4596
(V67 Day084 (I) 22:19 00000777.SSF)		
2165	3093.3016	0.0057 0.3140
2156	-4148.0462	0.0064 -0.3432
	-1476.0727	0.0091 -0.4768
(V68 Day084 (J) 23:21 00000781.SSF)		
2153	8508.8678	0.0081 0.4778
2156	445.0616	0.0084 -0.4445
	4500.6317	0.0087 -0.3765
(V69 Day084 (J) 23:22 00000785.SSF)		
2130	10671.9802	0.0076 0.4559
2156	-6498.4960	0.0079 -0.4363
	433.4885	0.0078 -0.3593
(V70 Day084 (J) 23:22 00000789.SSF)		
2156	-3093.3019	0.0068 0.4016
2165	4148.0424	0.0070 -0.3911
	1476.0743	0.0070 -0.3239
(V71 Day085 (K) 00:21 00000793.SSF)		
2156	-8508.8680	0.0060 0.2433
2153	-445.0703	0.0068 -0.1660
	-4500.6254	0.0097 -0.4147
(V72 Day085 (K) 00:22 00000801.SSF)		
2111	8679.3266	0.0100 0.4722
2130	-992.7612	0.0087 -0.3048
	3443.5072	0.0144 -0.4634
(V73 Day085 (K) 00:21 00000797.SSF)		
2111	10842.4304	0.0121 0.5121
2153	-7936.3392	0.0106 -0.2678
	-623.6216	0.0172 -0.4923
(V74 Day085 (K) 00:22 00000805.SSF)		
2130	7578.6774	0.0054 0.1897
2165	-2350.4573	0.0060 -0.1366
	1909.5658	0.0081 -0.3559
(V75 Day085 (L) 01:23 00000809.SSF)		
2111	10842.4341	0.0108 0.5624
2153	-7936.3295	0.0115 -0.5635
	-623.6184	0.0133 -0.5398
(V76 Day085 (L) 01:22 00000813.SSF)		
2130	2163.1103	0.0069 0.3818
2153	-6943.5655	0.0080 -0.4500
	-4067.1376	0.0091 -0.4445
(V77 Day085 (M) 02:23 00000817.SSF)		
2153	-6120.8094	0.0088 0.3609
2151	11261.0759	0.0102 -0.5192
	5368.6692	0.0125 -0.4536
(V78 Day085 (M) 02:22 00000821.SSF)		
2151	3227.5531	0.0055 0.2047
2152	213.4848	0.0060 -0.3267
	1617.7240	0.0073 -0.2874

(V79 Day085 (M) 02:24 00000825.SSF)			
2130	-8679.3206	0.0097	0.4244
2111	992.7653	0.0098	-0.5649
	-3443.5131	0.0119	-0.4991
(V80 Day085 (M) 02:23 00000829.SSF)			
2130	-730.1509	0.0077	0.3382
2152	4530.9891	0.0084	-0.4933
	2919.2687	0.0116	-0.4058
(V81 Day085 (A) 14:37 00000833.SSF)			
2130	-730.1576	0.0082	0.3575
2152	4530.9584	0.0137	-0.3015
	2919.2849	0.0129	-0.4149
(V82 Day085 (A) 14:37 00000837.SSF)			
2152	-3227.5597	0.0053	0.2368
2151	-213.4896	0.0077	-0.1827
	-1617.7134	0.0070	-0.3043
(V83 Day085 (B) 15:12 00000841.SSF)			
2111	4721.6072	0.0172	0.5364
2151	3324.7486	0.0087	-0.4767
	4745.0865	0.0119	-0.4531
(V84 Day085 (B) 15:13 00000845.SSF)			
2111	7949.1695	0.0133	0.4800
2152	3538.2357	0.0070	-0.4742
	6362.7964	0.0125	-0.3790
(V85 Day085 (D) 18:13 00000865.SSF)			
2150	6906.3957	0.0062	0.2443
2151	-5574.2035	0.0077	-0.1248
	-671.2870	0.0083	-0.4721
(V86 Day085 (C) 16:12 00000849.SSF)			
2111	-43922.1531	0.0093	0.5578
2144	11194.2185	0.0077	-0.4730
	-13958.9304	0.0086	-0.3998
(V87 Day085 (C) 16:11 00000853.SSF)			
2144	41737.3576	0.0058	0.3151
2150	-2295.2621	0.0066	-0.2905
	19375.2708	0.0078	-0.3165
(V88 Day085 (D) 18:13 00000869.SSF)			
2111	-2184.7894	0.0140	0.7039
2150	8898.9548	0.0100	-0.5888
	5416.3585	0.0097	-0.6518
(V89 Day085 (C) 16:12 00000861.SSF)			
2150	6906.3915	0.0052	0.2413
2151	-5574.2097	0.0059	-0.2277
	-671.2681	0.0066	-0.2626
(V90 Day085 (C) 17:03 00000857.SSF)			
1638	13211.8166	0.0073	0.3971
2150	-14179.7720	0.0084	-0.3579
	-3799.6576	0.0107	-0.3248
(V91 Day085 (D) 18:14 00000873.SSF)			
2150	-41737.3609	0.0056	0.2171
2144	2295.2713	0.0065	-0.1404
	-19375.2769	0.0076	-0.3813
(V92 Day085 (D) 18:14 00000877.SSF)			
1638	-28525.5361	0.0067	0.2966
2144	-11884.5074	0.0082	-0.1818
	-23174.9382	0.0098	-0.4676
(V93 Day085 (E) 20:16 00000881.SSF)			
1638	13211.8122	0.0105	0.6107
2150	-14179.7908	0.0119	-0.5050
	-3799.6569	0.0119	-0.4875
(V94 Day085 (E) 20:19 00000885.SSF)			
1638	-6847.3296	0.0139	0.6034
2098	7793.1031	0.0153	-0.3217
	2340.3672	0.0192	-0.4889

(V95 Day085(E) 20:19 00000889.SSF)			
2098	-5855.7498	0.0128	0.5862
2147	-12653.2368	0.0140	-0.2962
	-12092.5587	0.0178	-0.4782
(V96 Day085(E) 20:15 00000893.SSF)			
2144	15822.4630	0.0104	0.6157
2147	7024.3932	0.0115	-0.4966
	13422.7200	0.0114	-0.4930
(V97 Day085(F) 21:19 00000897.SSF)			
1638	-6847.3227	0.0122	0.6930
2098	7793.1195	0.0149	-0.4810
	2340.3426	0.0151	-0.6783
(V98 Day085(F) 21:19 00000901.SSF)			
1638	-12703.0718	0.0107	0.6698
2147	-4860.1208	0.0129	-0.4697
	-9752.2094	0.0131	-0.6614
(V99 Day085(F) 21:16 00000905.SSF)			
2147	-15822.4669	0.0093	0.6379
2144	-7024.3886	0.0109	-0.4419
	-13422.7220	0.0110	-0.6244
(V100 Day085(F) 21:15 00000909.SSF)			
2150	-25914.8932	0.0086	0.6122
2147	9319.6548	0.0100	-0.4194
	-5952.5517	0.0101	-0.6002
(V101 Day085(G) 22:17 00000913.SSF)			
2098	-5855.7471	0.0086	0.6552
2147	-12653.2473	0.0127	-0.6575
	-12092.5583	0.0149	-0.7812
(V102 Day085(G) 22:17 00000917.SSF)			
1638	-12703.0746	0.0099	0.6973
2147	-4860.1155	0.0145	-0.6964
	-9752.2176	0.0169	-0.8044
(V103 Day085(H) 23:18 00000921.SSF)			
2147	-9314.3110	0.0078	0.4135
2145	-3364.2924	0.0086	-0.4557
	-7312.5124	0.0084	-0.2416
(V104 Day085(H) 23:17 00000925.SSF)			
2100	-13775.0586	0.0112	0.4832
2145	-20025.4203	0.0131	-0.5340
	-21676.4964	0.0127	-0.2783
(V105 Day085(H) 23:17 00000929.SSF)			
2098	-1394.9937	0.0070	0.2674
2100	4007.8835	0.0083	-0.4743
	2271.4290	0.0086	-0.1235
(V106 Day086(I) 00:17 00000933.SSF)			
2098	-15170.0534	0.0110	0.4541
2145	-16017.5454	0.0154	-0.3699
	-19405.0936	0.0201	-0.5905
(V107 Day086(J) 01:01 00000945.SSF)			
2098	-7158.2431	0.0081	0.5133
2149	12559.8434	0.0092	-0.5000
	5630.0999	0.0114	-0.6371
(V108 Day086(I) 00:18 00000937.SSF)			
2098	-1394.9845	0.0065	0.3179
2100	4007.8916	0.0084	-0.2747
	2271.4138	0.0106	-0.5009
(V109 Day086(J) 00:58 00000949.SSF)			
2098	-7163.9554	0.0101	0.5742
2148	-9261.1995	0.0114	-0.5463
	-10287.1249	0.0147	-0.6861
(V110 Day086(A) 15:00 00000973.SSF)			
1779	8829.9386	0.0084	0.3496
2149	-12258.6598	0.0103	-0.0955
	-4535.4985	0.0143	-0.4113

(V111 Day086(J) 00:59 00000957.SSF)			
2148	-8006.1041	0.0121	0.6572
2145	-6756.3493	0.0119	-0.6327
	-9117.9453	0.0157	-0.6368
(V112 Day086(K) 02:01 00000961.SSF)			
2100	-5763.2414	0.0106	0.4325
2149	8551.9675	0.0162	-0.5281
	3358.6689	0.0156	-0.3853
(V113 Day086(J) 00:59 00000953.SSF)			
2100	-5768.9625	0.0130	0.6642
2148	-13269.0819	0.0133	-0.6339
	-12558.5643	0.0175	-0.6639
(V114 Day086(K) 02:00 00000965.SSF)			
2149	-5.7162	0.0093	0.4486
2148	-21821.0357	0.0111	-0.5471
	-15917.2408	0.0121	-0.4152
(V115 Day086(K) 02:00 00000969.SSF)			
2098	-7163.9543	0.0120	0.4558
2148	-9261.1659	0.0149	-0.5586
	-10287.1402	0.0155	-0.4611
(V116 Day086(A) 14:49 00000977.SSF)			
1779	-13297.8527	0.0077	0.3365
2143	-31841.4882	0.0097	-0.1655
	-30161.9316	0.0119	-0.4019
(V117 Day086(A) 14:49 00000981.SSF)			
1779	-274.3927	0.0084	0.3577
2146	-32466.8204	0.0108	-0.1722
	-23921.4253	0.0135	-0.4218
(V118 Day086(B) 16:15 00000989.SSF)			
1779	8829.9472	0.0072	0.4444
2149	-12258.6518	0.0092	-0.4272
	-4535.5063	0.0105	-0.4509
(V119 Day086(A) 14:56 00000985.SSF)			
1779	8824.2213	0.0127	0.4295
2148	-34079.7032	0.0094	-0.1457
	-20452.7211	0.0114	-0.3762
(V120 Day086(B) 16:04 00000993.SSF)			
1779	-13297.8379	0.0079	0.4826
2143	-31841.4718	0.0101	-0.4395
	-30161.9540	0.0115	-0.4682
(V121 Day086(B) 16:15 00000997.SSF)			
2143	13023.4529	0.0070	0.4420
2146	-625.3393	0.0090	-0.4212
	6240.5158	0.0101	-0.4485
(V122 Day086(B) 16:16 00001001.SSF)			
2146	10406.8256	0.0075	0.4593
2147	-5004.9395	0.0096	-0.4409
	1663.2654	0.0110	-0.4618
(V123 Day086(C) 17:17 00001005.SSF)			
2143	13023.4577	0.0075	0.3770
2146	-625.3399	0.0084	-0.3184
	6240.5154	0.0106	-0.3596
(V124 Day086(C) 17:17 00001009.SSF)			
2143	23430.2778	0.0062	0.2982
2147	-5630.2732	0.0068	-0.2700
	7903.7786	0.0084	-0.2984
(V125 Day086(D) 18:18 00001013.SSF)			
2148	1308.2266	0.0078	0.4989
2147	-3392.0414	0.0077	-0.2522
	-1805.4453	0.0074	-0.4608
(V126 Day086(D) 18:18 00001017.SSF)			
2148	-9098.5999	0.0140	0.6652
2146	1612.8980	0.0130	-0.3991
	-3468.7119	0.0123	-0.6233

(V127 Day086(E) 19:19 00001021.SSF)			
2145	-1092.5033	0.0087	0.4069
2146	8369.2271	0.0104	-0.2810
	5649.2394	0.0139	-0.4628
(V128 Day086(E) 19:19 00001025.SSF)			
8597	6120.0223	0.0071	0.3239
2146	6439.6105	0.0085	-0.2680
	7929.1698	0.0118	-0.4316
(V129 Day086(F) 20:22 00001029.SSF)			
8597	6120.0142	0.0126	0.7287
2146	6439.6111	0.0135	-0.5553
	7929.1784	0.0120	-0.5730
(V130 Day086(F) 20:22 00001033.SSF)			
8597	-6095.6068	0.0097	0.6715
2142	3334.6015	0.0103	-0.5081
	-681.7563	0.0093	-0.5248
(V131 Day086(F) 20:25 00001037.SSF)			
8597	7212.5292	0.0133	0.7990
2145	-1929.6128	0.0137	-0.6276
	2279.9369	0.0113	-0.6292
(V132 Day086(F) 20:25 00001041.SSF)			
2145	-6508.1504	0.0116	0.7631
2144	-3660.0984	0.0119	-0.5554
	-6110.2123	0.0100	-0.5900
(V133 Day086(G) 21:22 00001045.SSF)			
8597	-6095.6104	0.0080	0.5809
2142	3334.6031	0.0099	-0.4565
	-681.7531	0.0104	-0.6398
(V134 Day086(G) 21:22 00001049.SSF)			
8597	704.3755	0.0078	0.5719
2144	-5589.7101	0.0095	-0.4561
	-3830.2764	0.0100	-0.6303
(V135 Day086(H) 22:23 00001053.SSF)			
8597	704.3738	0.0060	0.3305
2144	-5589.7145	0.0066	-0.3623
	-3830.2757	0.0094	-0.4674
(V136 Day086(H) 22:22 00001057.SSF)			
2144	-13382.2768	0.0059	0.3176
2141	10418.8450	0.0064	-0.3534
	942.9929	0.0090	-0.4521
(V137 Day086(H) 22:23 00001061.SSF)			
2142	-6582.2915	0.0060	0.3282
2141	1494.5308	0.0065	-0.3625
	-2205.5369	0.0092	-0.4613
(V138 Day086(I) 23:23 00001065.SSF)			
8472	15152.0203	0.0067	0.4021
2144	23996.6981	0.0073	-0.3359
	25876.4386	0.0070	-0.2979
(V139 Day086(I) 23:23 00001069.SSF)			
8472	8352.0333	0.0069	0.4150
2142	32921.0086	0.0075	-0.3532
	29024.9625	0.0073	-0.3096
(V140 Day086(I) 23:24 00001073.SSF)			
8472	1769.7436	0.0066	0.3990
2141	34415.5426	0.0072	-0.3303
	26819.4303	0.0069	-0.2998
(V141 Day087(J) 00:24 00001089.SSF)			
2137	10762.4007	0.0117	0.6553
2144	-12817.3160	0.0171	-0.4943
	-4027.4973	0.0187	-0.7549
(V142 Day087(J) 00:25 00001081.SSF)			
2137	3962.4174	0.0116	0.6554
2142	-3893.0022	0.0171	-0.4961
	-878.9732	0.0187	-0.7574

(V143 Day087(J) 00:25 00001077.SSF)			
2137	-4389.6250	0.0130	0.6700
8472	-36814.0375	0.0194	-0.5097
	-29903.9229	0.0213	-0.7699
(V144 Day087(J) 00:25 00001085.SSF)			
2137	-2619.8673	0.0058	0.4064
2141	-2398.4642	0.0074	-0.3130
	-3084.5113	0.0079	-0.5529
(V145 Day087(K) 01:26 00001093.SSF)			
8472	15152.0133	0.0067	0.3516
2144	23996.7010	0.0082	-0.4372
	25876.4583	0.0085	-0.3789
(V146 Day087(K) 01:26 00001097.SSF)			
2144	-6799.9849	0.0063	0.3289
2142	8924.3064	0.0077	-0.4084
	3148.5279	0.0079	-0.3610
(V147 Day087(L) 02:28 00001101.SSF)			
8597	-14447.6255	0.0078	0.3629
8472	-29586.4025	0.0087	-0.4427
	-29706.7352	0.0101	-0.4792
(V148 Day087(L) 02:10 00001105.SSF)			
8597	-6903.4279	0.0060	0.2659
2143	7064.9512	0.0070	-0.3439
	1688.6634	0.0075	-0.3768
(V149 Day087(L) 02:27 00001109.SSF)			
2143	807.8292	0.0048	0.1198
2142	-3730.3453	0.0050	-0.1612
	-2370.4041	0.0052	-0.1862
(V150 Day087(L) 02:27 00001113.SSF)			
2144	-6799.9846	0.0066	0.3009
2142	8924.3169	0.0071	-0.3801
	3148.5232	0.0080	-0.4146
(V151 Day350(1) 17:06 00005224.ssf)			
2155	809.6923	0.0073	0.4915
2886	-2009.9908	0.0107	-0.4095
	-1209.8772	0.0091	-0.4519
(V152 Day350(1) 17:07 00005228.ssf)			
2886	985.3149	0.0067	0.4709
2887	1396.5803	0.0101	-0.3912
	1446.6906	0.0083	-0.4585
(V153 Day357(0) 16:21 00005260.ssf)			
2886	985.3170	0.0057	0.3923
2887	1396.5730	0.0075	-0.3192
	1446.7013	0.0065	-0.3941
(V156 Day357(2) 18:40 00005288.ssf)			
2155	1795.0074	0.0084	0.6812
2887	-613.4151	0.0080	0.5225
	236.8151	0.0154	0.5631
(V157 Day357(3) 19:51 00005304.ssf)			
2158	-4349.3118	0.0067	0.4393
2886	2321.4046	0.0075	-0.2223
	-429.2733	0.0098	-0.1916
(V158 Day357(4) 21:05 00005308.ssf)			
2158	-3363.9898	0.0103	0.6785
2887	3717.9947	0.0098	-0.4787
	1017.4018	0.0099	-0.6236
(V159 Day357(4) 21:04 00005312.ssf)			
2887	-985.3196	0.0081	0.5333
2886	-1396.5842	0.0089	-0.1985
	-1446.6898	0.0085	-0.4978
(V160 Day299(0) 15:27 00006584.ssf)			
2155	783.2298	0.0056	0.3902
1A	-1982.4008	0.0068	-0.3919
	-1207.3963	0.0075	-0.5414

(V161 Day299(0) 15:28 00006588.ssf)			
2155	767.6162	0.0057	0.4156
2	-2000.7385	0.0070	-0.4256
	-1226.0880	0.0084	-0.5804
(V162 Day299(0) 15:35 00006592.ssf)			
2155	632.1481	0.0058	0.4230
3	-1928.2352	0.0072	-0.4273
	-1252.1441	0.0081	-0.5880
(V163 Day299(0) 17:28 00006596.ssf)			
1A	-15.6179	0.0046	0.1333
2	-18.3393	0.0049	-0.0811
	-18.6889	0.0049	-0.0895
(V164 Day299(0) 15:36 00006600.ssf)			
2887	-1011.7806	0.0061	0.4628
1A	-1368.9954	0.0077	-0.4613
	-1444.2036	0.0084	-0.6169
(V165 Day299(0) 15:36 00006604.ssf)			
2887	-1027.3935	0.0064	0.5154
2	-1387.3323	0.0083	-0.5192
	-1462.8969	0.0102	-0.6755
(V166 Day299(0) 15:36 00006608.ssf)			
2887	-1162.8619	0.0060	0.4613
3	-1314.8292	0.0076	-0.4620
	-1488.9527	0.0085	-0.6180
(V167 Day299(1) 16:47 00006612.ssf)			
2886	-26.4632	0.0057	0.2419
1A	27.6050	0.0060	-0.3052
	2.4835	0.0075	-0.3302
(V168 Day299(1) 16:47 00006616.ssf)			
2886	-42.0790	0.0057	0.2662
2	9.2655	0.0064	-0.2358
	-16.2027	0.0076	-0.3199
(V169 Day299(1) 16:47 00006620.ssf)			
2886	-177.5442	0.0085	0.4926
3	81.7706	0.0071	-0.6081
	-42.2611	0.0100	-0.5243
(V170 Day299(1) 17:00 00006624.ssf)			
2158	-4375.7639	0.0061	0.3362
1A	2349.0191	0.0070	-0.2324
	-426.7948	0.0073	-0.3807
(V171 Day299(1) 17:00 00006628.ssf)			
2158	-4391.3812	0.0066	0.3701
2	2330.6809	0.0070	-0.3464
	-445.4802	0.0078	-0.4106
(V172 Day299(1) 17:00 00006632.ssf)			
2158	-4526.8601	0.0077	0.4462
3	2403.1856	0.0067	-0.5665
	-471.5328	0.0088	-0.4760
(V173 Day299(0) 16:30 00006636.ssf)			
2	-135.4797	0.0071	0.3799
3	72.4950	0.0080	-0.4316
	-26.0425	0.0133	-0.5193
(V174 Day299(2) 17:59 00006640.ssf)			
2155	783.2180	0.0052	0.2599
1A	-1982.4062	0.0069	-0.1818
	-1207.3858	0.0074	-0.4726
(V175 Day299(2) 17:59 00006644.ssf)			
2155	767.6049	0.0048	0.1629
2	-2000.7410	0.0062	-0.1668
	-1226.0889	0.0082	-0.3756
(V176 Day299(2) 17:59 00006648.ssf)			
2155	632.1343	0.0052	0.2596
3	-1928.2431	0.0065	-0.1741
	-1252.1349	0.0069	-0.4341

(V177 Day299(2) 18:07 00006652.ssf)			
2887	-1011.7767	0.0055	0.3234
1A	-1368.9890	0.0071	-0.1916
	-1444.2098	0.0079	-0.4605
(V178 Day299(2) 18:07 00006656.ssf)			
2887	-1027.3942	0.0051	0.2552
2	-1387.3305	0.0062	-0.1840
	-1462.8993	0.0088	-0.3435
(V179 Day299(2) 18:07 00006660.ssf)			
2887	-1162.8608	0.0053	0.2922
3	-1314.8274	0.0066	-0.2255
	-1488.9534	0.0096	-0.3864
(V180 Day299(3) 19:22 00006664.ssf)			
2886	-26.4678	0.0052	0.0693
1A	27.5969	0.0094	-0.1659
	2.4908	0.0087	-0.6170
(V181 Day299(3) 19:22 00006668.ssf)			
2886	-42.0830	0.0060	0.2288
2	9.2522	0.0068	-0.3688
	-16.1972	0.0102	-0.1236
(V182 Day299(0) 17:22 00006672.ssf)			
1A	-151.0868	0.0050	0.2377
3	54.1628	0.0061	-0.2715
	-44.7460	0.0168	-0.5649
(V183 Day299(3) 20:00 00006676.ssf)			
2158	-4375.7638	0.0070	0.4922
1A	2349.0185	0.0089	-0.5378
	-426.7851	0.0081	-0.4039
(V184 Day299(3) 20:00 00006680.ssf)			
2158	-4391.3808	0.0067	0.4690
2	2330.6772	0.0085	-0.5114
	-445.4710	0.0077	-0.3866

Adjustment Statistical Summary
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Iterations	=	3
Number of Stations	=	58
Number of Observations	=	635
Number of Unknowns	=	162
Number of Redundant Obs	=	473

Observation	Count	Sum Squares of StdRes	Error Factor
Coordinates	15	81.777	2.705
Angles	23	6.874	0.633
Distances	26	3.093	0.400
Zeniths	25	14.752	0.890
GPS Deltas	546	394.321	0.985
Total	635	500.817	1.029

The Chi-Square Test at 5.00% Level Passed
Lower/Upper Bounds (0.936/1.064)

Adjusted Station Information
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Coordinate Changes from Entered Provisionals (Meters)

Station	dN	dE	dZ
1487	0.0435	-0.0037	0.0150
1638	-0.0000	-0.0000	-0.0000
1779	-0.0143	0.0118	-0.0069
1823	n/a	n/a	-0.0000
1885	-0.0000	-0.0000	-0.0000
1927	0.0039	-0.0793	0.0656
2098	-0.0033	-0.0054	-0.0097
2111	-0.0037	0.0051	-0.0238
2130	-0.0172	0.0109	0.0182
2133	n/a	n/a	-0.0228
2136	0.0103	-0.0028	-0.0057
2137	-0.0000	-0.0000	-0.0223
2141	n/a	n/a	-0.2074
2142	n/a	n/a	-0.1728
2144	n/a	n/a	-0.1767
2146	n/a	n/a	-0.1319
2148	n/a	n/a	-0.0806
2149	n/a	n/a	-0.0172
2150	n/a	n/a	-0.0204
2151	n/a	n/a	0.0024
2156	-0.0000	-0.0000	-0.0929
2160	n/a	n/a	0.0100
2161	n/a	n/a	0.0333
8207	0.0358	-0.0491	-0.0157
8275	n/a	n/a	-0.2254
8472	-0.0074	-0.0259	-0.1029
8597	-0.0000	-0.0000	-0.0000
8870	n/a	n/a	0.4046
8894	-0.0000	-0.0000	-0.1112

Adjusted Coordinates (Meters)

Station	N	E	Elev	Description
1	117651.7695	313053.5171	317.9122	PACR CP-1
2	117621.6233	313049.5721	320.0047	PACR CP-2
3	117598.8776	312895.7431	309.9115	PACR CP-3
4	117569.7904	312849.7513	311.7690	PACR CP-4
5	117799.1088	312857.8437	302.0219	PACR CP-5
6	117712.3023	312755.1046	305.1647	PACR CP-6
20	117537.9110	313010.2861	319.1460	SPK
21	117523.4411	312955.9599	317.8111	SPK
22	117751.2414	312763.1966	303.7147	SPK
23	117708.7161	312843.5596	304.8008	SPK
24	117720.6717	312919.3724	307.4724	SPK
1487	93662.7016	347113.9365	12.7450	SCHOOL(SY5641)
1638	138395.8808	255834.0925	4.8130	N 469 (TS0058)
1779	158878.7502	219479.5009	5.6681	944 3090 A TIDAL (TS0340)
1823	125839.1195	313078.3608	76.0600	SAWMILL 2 (TR2398)
1885	128244.4167	305163.1644	4.0690	944 4090 A TIDAL (TR2551)
1927	130190.3490	307128.7283	4.4656	EAST BASE AZ MK (TR2552)
2098	142327.3133	245953.4604	18.0253	GP05112-29
2100	145873.4123	242699.0885	30.1602	K473 RESET
2111	123365.1810	280904.9605	180.0112	GP05101-11
2130	128341.0075	288866.8017	76.1472	GP05112-8
2133	124199.1965	325805.8791	52.1052	CARLSBORG (TR0834)
2136	118248.3761	327085.9803	139.4233	PETE
2137	111219.1905	221596.0726	57.7777	QUILLAYUTE RESET (SD0799)
2141	106627.2603	220575.6669	88.4560	LAPUSH
2142	109655.6623	226997.9579	49.4365	GOODMAN
2143	113314.5082	224390.7760	56.7652	WENTWORTH
2144	104443.5370	237419.7590	71.4850	UNDIE RD.

2145	113345.6110	241138.0267	121.9408	FS29 PIT
2146	122049.9569	235906.2920	109.1056	BEDROCK
2147	123931.6992	247419.2880	189.1665	SCALES
2148	126806.1096	244553.8642	150.8597	BEAVER FALLS
2149	151383.5731	233357.9615	4.3232	RAYS
2150	131835.9112	274461.1612	87.5458	S2500
2151	130459.6869	283254.0399	114.0527	CRESCENT HS
2152	132907.7321	285913.5783	4.8125	CEMETERY
2153	122012.6698	294286.6744	110.5737	DOT ELWHA PIT
2154	121214.5906	301026.1687	304.2105	LITTLE RIVER
2155	119426.1714	311366.7498	396.4589	MT. PLEASANT
2156	128548.2880	301366.6241	71.8971	CBL150 (AC5475)
2157	115618.0457	322153.0510	413.1247	LOST MOUNTAIN
2158	118104.7403	318017.0297	341.4580	GELLOR
2159	126517.9570	319959.2751	43.8829	FINN HALL
2160	115893.4859	337531.5822	14.7715	CASINO
2161	119602.6357	344802.4813	2.8649	GARDINER
2162	130648.8390	327506.5866	2.7917	CLINE SPIT
2163	127568.9075	332618.2105	2.9016	SERPENTINE
2164	116514.5378	331946.5782	450.7710	BURNT HILL
2165	131005.0642	296580.2169	4.0824	ELWHA CONTROL NO.1
2886	117642.5803	313090.5158	321.7552	SCHREINER
2887	119876.9307	313218.9268	255.5260	SKYLINE
8207	119138.9151	352719.0762	32.3823	JCIA (TR2696)
8275	123837.5757	344881.8946	2.7746	QUARANTINE 2 (TR1746)
8472	66045.7803	236695.4438	12.4571	QUIN (SD0881)
8597	110305.0454	233948.6220	87.9500	FORKS RESET (SD0880)
8870	119521.2071	337663.6485	3.0146	SAND (TR2365)
8894	122644.5217	330842.9478	56.5888	WEGENEST (AI2209)
1A	117651.7799	313053.5231	317.9143	

Adjusted Positions and Ellipsoid Heights (Meters)

Station	Latitude	Longitude	Ellip Ht
1	48-01-50.871256	123-20-25.960574	297.8587
2	48-01-49.891523	123-20-26.103502	299.9530
3	48-01-48.993130	123-20-33.489424	289.8653
4	48-01-48.003272	123-20-35.662573	291.7262
5	48-01-55.432872	123-20-35.633110	281.9665
6	48-01-52.515194	123-20-40.453339	285.1182
20	48-01-47.141035	123-20-27.867260	299.1003
21	48-01-46.615452	123-20-30.465509	297.7665
22	48-01-53.783862	123-20-40.124249	283.6658
23	48-01-52.492561	123-20-36.179992	284.7509
24	48-01-52.959493	123-20-32.541049	287.4187
1487	47-49-27.057815	122-52-31.624165	-8.4828
1638	48-11-52.346400	124-07-08.353170	-15.8689
1779	48-22-00.749797	124-37-15.661181	-15.1711
1823	48-06-15.849833	123-20-37.652530	55.6182
1885	48-07-25.148280	123-27-04.017310	-16.1654
1927	48-08-30.271530	123-25-32.186949	-15.8192
2098	48-13-45.580697	124-15-14.852375	-2.7697
2100	48-15-35.565408	124-18-00.133782	9.4020
2111	48-04-18.909383	123-46-27.262414	159.9166
2130	48-07-09.578954	123-40-11.738160	56.0834
2133	48-05-35.760277	123-10-20.261311	31.2982
2136	48-02-24.424757	123-09-09.754063	118.7682
2137	47-56-22.820510	124-33-40.803780	34.6659
2141	47-53-52.710881	124-34-19.170923	65.1728
2142	47-55-40.639865	124-29-17.217774	26.4144
2143	47-57-34.946548	124-31-31.131351	33.8060
2144	47-53-07.766632	124-20-44.198573	48.7400
2145	47-58-01.168941	124-18-04.698458	99.7195
2146	48-02-34.998001	124-22-35.983736	86.9461
2147	48-03-52.651203	124-13-24.631485	167.6800
2148	48-05-21.518505	124-15-49.092663	129.3783

2149	48-18-19.907472	124-25-45.048190	-16.4264
2150	48-08-44.875376	123-51-54.444740	67.3190
2151	48-08-11.342678	123-44-46.828071	93.9897
2152	48-09-33.788693	123-42-42.700474	-15.2239
2153	48-03-51.194345	123-35-38.851123	90.5816
2154	48-03-33.067982	123-30-12.167059	284.2953
2155	48-02-46.505712	123-21-50.157053	376.3917
2156	48-07-30.759810	123-30-08.015010	51.7420
2157	48-00-54.417599	123-13-03.873177	392.7970
2158	48-02-10.695976	123-16-27.173582	321.1670
2159	48-06-44.951446	123-15-06.214889	23.2442
2160	48-01-18.091544	123-00-42.411975	-6.1597
2161	48-03-24.658744	122-54-56.461585	-18.5118
2162	48-09-06.157926	123-09-07.492632	-18.0666
2163	48-07-31.390671	123-04-55.913987	-18.1891
2164	48-01-32.985530	123-05-12.728328	430.0768
2165	48-08-44.817001	123-34-03.564490	-16.0326
2886	48-01-50.612897	123-20-24.161058	301.7006
2887	48-03-03.054898	123-20-21.477219	235.3410
8207	48-03-16.407428	122-48-33.666124	10.6474
8275	48-05-41.798476	122-54-58.162596	-18.7471
8472	47-32-24.685762	124-19-55.027710	-11.2785
8597	47-56-12.192210	124-23-44.165620	65.2235
8870	48-03-15.625833	123-00-40.995233	-18.1047
8894	48-04-50.329010	123-06-14.704210	35.6277
1A	48-01-50.871600	123-20-25.960301	297.8608

Geoid Heights (Meters) and Vertical Deflections (Seconds)

Station	Geoid Ht	North Def	East Def
1	-20.0536	11.7055	7.0951
2	-20.0518	11.7214	7.0975
3	-20.0462	11.5139	7.6564
4	-20.0428	11.5230	7.7212
5	-20.0554	11.3520	7.7652
6	-20.0465	11.3752	7.9066
20	-20.0457	11.7598	7.1447
21	-20.0446	11.6005	7.5496
22	-20.0489	11.3494	7.9037
23	-20.0500	11.4085	7.7639
24	-20.0537	11.4297	7.6488
1487	-21.2278	-1.4606	17.8956
1638	-20.6819	-6.7861	-6.1472
1779	-20.8393	-10.7550	-7.6965
1823	-20.4418	4.1739	6.1186
1885	-20.2344	2.5832	5.3229
1927	-20.2848	-2.1687	4.8253
2098	-20.7950	-7.2759	-6.0881
2100	-20.7583	-7.3655	-4.9016
2111	-20.0946	2.7569	-11.8709
2130	-20.0637	2.0129	0.1238
2133	-20.8070	3.1229	6.8551
2136	-20.6551	9.8965	6.8022
2137	-23.1117	-7.3099	-4.4883
2141	-23.2832	-5.7750	-3.9710
2142	-23.0221	-7.3561	-6.2594
2143	-22.9592	-7.9959	-5.3566
2144	-22.7449	-7.1993	-10.9170
2145	-22.2214	-8.0665	-12.7497
2146	-22.1595	-11.4767	-8.2499
2147	-21.4865	-10.6294	-11.8449
2148	-21.4814	-13.9979	-10.9471
2149	-20.7496	-8.2926	-3.2443
2150	-20.2268	-0.3617	-4.5901
2151	-20.0630	1.5475	-1.7506
2152	-20.0363	-3.1677	-0.8602

2153	-19.9922	1.7870	0.7669
2154	-19.9151	7.2774	-0.1473
2155	-20.0672	12.2034	12.5708
2156	-20.1551	2.7887	2.9534
2157	-20.3277	10.7134	6.5046
2158	-20.2910	10.8680	8.0938
2159	-20.6388	0.4861	5.1201
2160	-20.9312	13.0074	8.7006
2161	-21.3766	9.0360	8.5194
2162	-20.8583	-1.1776	8.1807
2163	-21.0906	0.2399	8.5990
2164	-20.6942	14.1806	9.0106
2165	-20.1149	-0.6948	1.0586
2886	-20.0546	11.7249	7.0475
2887	-20.1850	12.3598	8.2470
8207	-21.7349	5.4058	9.9162
8275	-21.5217	5.5218	7.8868
8472	-23.7357	-6.5394	-7.4950
8597	-22.7265	-7.0354	-11.1898
8870	-21.1193	8.4211	5.8862
8894	-20.9611	5.6717	7.4247
1A	-20.0536	11.7055	7.0951
Averages:	-20.8537	2.6438	2.1381

Convergence Angles (DMS) and Grid Factors at Stations
 (Grid Azimuth = Geodetic Azimuth - Convergence)
 (Elevation Factor Includes a Geoid Height Correction at Each Station))

Station	Convergence Angle	----- Factors ----- Scale x Elevation =	Combined	
1	-1-52-00.01	0.99994341	0.99995332	0.99989673
2	-1-52-00.12	0.99994341	0.99995299	0.99989641
3	-1-52-05.62	0.99994342	0.99995457	0.99989799
4	-1-52-07.23	0.99994343	0.99995428	0.99989771
5	-1-52-07.21	0.99994337	0.99995581	0.99989918
6	-1-52-10.80	0.99994339	0.99995532	0.99989871
20	-1-52-01.43	0.99994343	0.99995312	0.99989656
21	-1-52-03.37	0.99994344	0.99995333	0.99989677
22	-1-52-10.56	0.99994338	0.99995554	0.99989893
23	-1-52-07.62	0.99994339	0.99995537	0.99989877
24	-1-52-04.91	0.99994339	0.99995495	0.99989835
1487	-1-31-13.43	0.99995533	1.00000133	0.99995666
1638	-2-26-46.45	0.99994322	1.00000249	0.99994571
1779	-2-49-12.03	0.99995168	1.00000238	0.99995406
1823	-1-52-08.72	0.99994228	0.99999128	0.99993356
1885	-1-56-56.37	0.99994226	1.00000253	0.99994479
1927	-1-55-48.00	0.99994234	1.00000248	0.99994482
2098	-2-32-48.66	0.99994414	1.00000043	0.99994457
2100	-2-34-51.71	0.99994532	0.99999853	0.99994384
2111	-2-11-22.43	0.99994257	0.99997494	0.99991751
2130	-2-06-42.85	0.99994225	0.99999121	0.99993346
2133	-1-44-29.06	0.99994235	0.99999509	0.99993744
2136	-1-43-36.56	0.99994317	0.99998139	0.99992456
2137	-2-46-32.06	0.99994707	0.99999457	0.99994164
2141	-2-47-00.63	0.99994959	0.99998979	0.99993937
2142	-2-43-15.82	0.99994773	0.99999586	0.99994359
2143	-2-44-55.52	0.99994605	0.99999470	0.99994075
2144	-2-36-53.86	0.99995044	0.99999236	0.99994281
2145	-2-34-55.11	0.99994571	0.99998437	0.99993008
2146	-2-38-17.09	0.99994310	0.99998637	0.99992948
2147	-2-31-26.60	0.99994268	0.99997372	0.99991641
2148	-2-33-14.15	0.99994238	0.99997972	0.99992210
2149	-2-40-37.85	0.99994760	1.00000257	0.99995018
2150	-2-15-26.03	0.99994237	0.99998945	0.99993182
2151	-2-10-07.66	0.99994231	0.99998527	0.99992758
2152	-2-08-35.24	0.99994251	1.00000239	0.99994490

2153	-2-03-19.68	0.99994269	0.99998580	0.99992850
2154	-1-59-16.45	0.99994278	0.99995544	0.99989822
2155	-1-53-02.70	0.99994303	0.99994101	0.99988405
2156	-1-59-13.36	0.99994226	0.99999189	0.99993415
2157	-1-46-30.87	0.99994386	0.99993844	0.99988230
2158	-1-49-02.23	0.99994326	0.99994967	0.99989293
2159	-1-48-01.95	0.99994226	0.99999636	0.99993862
2160	-1-37-18.84	0.99994366	1.00000097	0.99994462
2161	-1-33-01.27	0.99994282	1.00000290	0.99994572
2162	-1-43-34.88	0.99994243	1.00000283	0.99994526
2163	-1-40-27.57	0.99994226	1.00000285	0.99994511
2164	-1-40-40.09	0.99994354	0.99993260	0.99987614
2165	-2-02-08.73	0.99994237	1.00000251	0.99994488
2886	-1-51-58.67	0.99994341	0.99995272	0.99989613
2887	-1-51-56.67	0.99994294	0.99996312	0.99990605
8207	-1-28-16.27	0.99994286	0.99999833	0.99994119
8275	-1-33-02.53	0.99994233	1.00000294	0.99994527
8472	-2-36-17.25	0.99999275	1.00000177	0.99999451
8597	-2-39-07.85	0.99994723	0.99998978	0.99993701
8870	-1-37-17.78	0.99994287	1.00000284	0.99994570
8894	-1-41-26.23	0.99994246	0.99999442	0.99993688
1A	-1-52-00.01	0.99994341	0.99995332	0.99989673
Project Averages:	-2-04-05.42	0.99994485	0.99998063	0.99992548

Adjusted Observations and Residuals
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Adjusted Coordinate Observations (Meters)
(Stations with Partially Fixed Coordinate Components)

Station	Component	Adj Coordinate	Residual	StdErr	StdRes
1487	N	93662.7016	0.0435	0.0356	1.2
	E	347113.9365	-0.0037	0.0358	0.1
	Elev	12.7450	0.0150	0.0300	0.5
1779	N	158878.7502	-0.0143	0.0044	3.2*
	E	219479.5009	0.0118	0.0032	3.7*
	Elev	5.6681	-0.0069	0.0200	0.3
1927	N	130190.3490	0.0039	0.0194	0.2
	E	307128.7283	-0.0793	0.0195	4.1*
2133	Elev	52.1052	-0.0228	0.0100	2.3
8207	N	119138.9151	0.0358	0.0178	2.0
	E	352719.0762	-0.0491	0.0133	3.7*
	Elev	32.3823	-0.0157	0.0100	1.6
8472	N	66045.7803	-0.0074	0.0213	0.3
	E	236695.4438	-0.0259	0.0189	1.4
	Elev	12.4571	-0.1029	0.0300	3.4*

Adjusted Measured Angle Observations (DMS)

At	From	To	Angle	Residual	StdErr	StdRes
2	2886	1	304-33-39.61	-0-00-01.89	15.88	0.1
2	2886	20	142-14-45.69	-0-00-14.81	13.35	1.1
2	20	2886	217-45-14.31	0-00-08.81	13.35	0.7
3	21	4	96-17-13.14	0-00-02.39	10.82	0.2
3	22	4	278-42-35.58	-0-00-01.92	9.69	0.2
3	22	21	182-25-22.44	-0-00-03.56	7.82	0.5
3	21	22	177-34-37.56	0-00-01.73	7.82	0.2
20	21	2	130-03-18.29	-0-00-04.71	11.62	0.4
20	2	21	229-56-41.71	-0-00-09.79	11.62	0.8
21	20	3	246-18-59.06	-0-00-00.44	11.11	0.0
21	3	20	113-41-00.94	-0-00-06.56	11.11	0.6
22	3	5	284-11-35.31	0-00-00.31	6.72	0.0
22	23	5	305-17-09.12	-0-00-00.38	7.39	0.1
22	3	6	52-45-38.56	0-00-00.56	11.83	0.0
22	23	6	73-51-12.36	-0-00-00.64	12.60	0.1
22	3	23	338-54-26.20	0-00-04.70	6.61	0.7

23	22	3	216-42-06.50	0-00-04.50	8.75	0.5
23	24	22	216-50-52.17	0-00-02.67	10.25	0.3
23	22	24	143-09-07.83	0-00-07.33	10.25	0.7
24	2886	23	146-30-40.63	0-00-04.13	8.69	0.5
24	23	2886	213-29-19.37	0-00-00.87	8.69	0.1
2886	2	1	41-03-14.36	0-00-04.86	13.02	0.4
2886	24	2	308-22-02.58	-0-00-14.42	10.48	1.4

Adjusted Measured Distance Observations (Meters)

From	To	Distance	Residual	StdErr	StdRes
1	1A	0.0120	-0.0002	0.0029	0.1
2	1	30.4786	-0.0015	0.0030	0.5
2	20	92.4866	0.0011	0.0031	0.4
2	2886	46.0305	-0.0014	0.0030	0.5
2	2886	46.0305	-0.0005	0.0030	0.2
3	4	54.4559	-0.0003	0.0030	0.1
3	4	54.4528	0.0003	0.0030	0.1
3	21	96.8550	-0.0015	0.0031	0.5
3	22	202.0650	-0.0007	0.0032	0.2
20	2	92.4857	0.0012	0.0031	0.4
20	21	56.2423	-0.0003	0.0030	0.1
21	3	96.8628	-0.0014	0.0031	0.4
21	20	56.2402	0.0002	0.0030	0.1
22	5	106.0866	0.0001	0.0031	0.0
22	5	106.0883	-0.0001	0.0031	0.0
22	6	39.7992	-0.0007	0.0030	0.2
22	6	39.8016	0.0007	0.0030	0.2
22	23	90.9358	0.0006	0.0031	0.2
23	3	121.7219	-0.0020	0.0031	0.6
23	22	90.9368	-0.0001	0.0031	0.0
23	24	76.8010	0.0006	0.0030	0.2
24	23	76.8042	0.0011	0.0030	0.4
24	2886	188.6804	0.0029	0.0032	0.9
2886	1	38.3269	-0.0003	0.0030	0.1
2886	2	46.0339	-0.0010	0.0030	0.3
2886	2	46.0405	-0.0010	0.0030	0.3

Adjusted Zenith Observations (DMS)

From	To	Zenith	Residual	StdErr	StdRes
2	1	93-56-33.09	0-00-02.51	17.69	0.1
2	20	90-34-25.98	-0-00-03.23	11.10	0.3
2	2886	87-54-57.27	-0-00-16.59	13.90	1.2
2	2886	87-54-57.27	-0-00-10.09	13.90	0.7
3	4	88-01-45.78	-0-00-11.71	12.91	0.9
3	4	88-07-31.95	0-00-11.71	12.91	0.9
3	21	85-19-45.82	0-00-02.17	11.00	0.2
3	22	91-45-50.70	-0-00-08.66	10.24	0.8
20	2	89-29-00.46	-0-00-00.25	11.10	0.0
20	21	91-22-50.35	-0-00-12.37	12.75	1.0
21	3	94-43-37.27	0-00-00.62	11.00	0.1
21	20	88-42-46.14	-0-00-10.08	12.75	0.8
22	5	90-56-45.73	-0-00-01.30	10.84	0.1
22	5	90-53-18.34	0-00-01.31	10.84	0.1
22	6	88-00-15.85	-0-00-01.60	14.99	0.1
22	6	87-54-28.56	0-00-01.61	14.99	0.1
22	23	89-21-23.04	-0-00-17.70	11.13	1.6
23	3	87-37-12.13	-0-00-03.18	10.65	0.3
23	22	90-42-06.73	-0-00-13.01	11.13	1.2
23	24	88-04-05.95	-0-00-15.98	11.55	1.4
24	23	92-00-01.50	-0-00-13.93	11.55	1.2
24	2886	85-39-05.36	-0-00-02.52	10.27	0.2
2886	1	95-51-35.23	-0-00-01.74	15.32	0.1
2886	2	92-11-53.41	0-00-07.55	13.90	0.5
2886	2	92-24-10.26	-0-00-13.60	13.90	1.0

Adjusted GPS Vector Observations (Meters)

Datum Transformations			StdDev		
Scale Factor	1.000000865041	:	-0.865041 PPM	0.0557	(Solved)
Rotation Around North Axis		:	0.038925 Sec	0.0293	(Solved)
Rotation Around East Axis		:	-0.191669 Sec	0.0465	(Solved)
Rotation Around Vert Axis		:	-0.041499 Sec	0.0115	(Solved)

From To	Component	Adj Value	Residual	StdErr	StdRes
(V1 Day083(A) 14:30 00000509.SSF)					
1487	Delta-N	25870.6981	-0.0020	0.0082	0.2
2161	Delta-E	-2999.0616	-0.0035	0.0073	0.5
	Delta-U	-63.2864	0.0150	0.0140	1.1
	Length	26044.0280			
(V2 Day083(A) 14:29 00000513.SSF)					
1487	Delta-N	21969.7567	-0.0006	0.0083	0.1
2160	Delta-E	-10169.3898	0.0059	0.0073	0.8
	Delta-U	-43.6705	0.0149	0.0142	1.0
	Length	24209.2669			
(V3 Day083(A) 14:25 00000517.SSF)					
8870	Delta-N	-3630.2111	-0.0015	0.0051	0.3
2160	Delta-E	-29.3564	0.0068	0.0049	1.4
	Delta-U	10.9140	-0.0007	0.0069	0.1
	Length	3630.3462			
(V4 Day083(A) 14:22 00000521.SSF)					
8207	Delta-N	-4.3872	0.0015	0.0055	0.3
8870	Delta-E	-15061.0968	-0.0060	0.0052	1.2
	Delta-U	-46.4991	-0.0119	0.0080	1.5
	Length	15061.1693			
(V5 Day083(B) 15:33 00000525.SSF)					
2161	Delta-N	-3904.7334	-0.0040	0.0108	0.4
2160	Delta-E	-7168.2872	-0.0047	0.0075	0.6
	Delta-U	7.1396	-0.0084	0.0149	0.6
	Length	8162.8019			
(V6 Day083(0) 15:33 00000529.SSF)					
1487	Delta-N	21969.7567	-0.0065	0.0123	0.5
2160	Delta-E	-10169.3898	0.0007	0.0083	0.1
	Delta-U	-43.6705	-0.0070	0.0172	0.4
	Length	24209.2669			
(V7 Day083(B) 15:33 00000533.SSF)					
8207	Delta-N	260.3259	0.0044	0.0092	0.5
2161	Delta-E	-7926.3260	-0.0004	0.0066	0.1
	Delta-U	-34.0795	0.0039	0.0126	0.3
	Length	7930.6731			
(V8 Day083(C) 16:12 00000541.SSF)					
1487	Delta-N	21969.7567	0.0015	0.0079	0.2
2160	Delta-E	-10169.3898	0.0001	0.0062	0.0
	Delta-U	-43.6705	-0.0047	0.0141	0.3
	Length	24209.2669			
(V9 Day083(C) 16:12 00000537.SSF)					
1487	Delta-N	30106.4467	0.0057	0.0072	0.8
8275	Delta-E	-3032.0436	0.0017	0.0055	0.3
	Delta-U	-82.1506	-0.0153	0.0120	1.3
	Length	30258.8528			
(V10 Day083(C) 16:11 00000545.SSF)					
8207	Delta-N	4496.1429	0.0009	0.0056	0.2
8275	Delta-E	-7955.6719	-0.0011	0.0048	0.2
	Delta-U	-35.9365	-0.0007	0.0085	0.1
	Length	9138.3427			
(V11 Day083(C) 16:11 00000549.SSF)					
8207	Delta-N	260.3259	0.0007	0.0066	0.1
2161	Delta-E	-7926.3260	-0.0007	0.0054	0.1
	Delta-U	-34.0795	-0.0011	0.0111	0.1
	Length	7930.6731			

(V12 Day083(D) 17:13 00000553.SSF)					
2161	Delta-N	4235.7725	0.0013	0.0050	0.3
8275	Delta-E	-35.1950	-0.0017	0.0046	0.4
	Delta-U	-1.6475	0.0040	0.0063	0.6
	Length	4235.9191			
(V13 Day083(F) 18:10 00000565.SSF)					
8894	Delta-N	1606.7966	-0.0053	0.0054	1.0
8275	Delta-E	13998.4049	-0.0019	0.0053	0.3
	Delta-U	-69.9143	0.0003	0.0080	0.0
	Length	14090.4941			
(V14 Day083(E) 17:43 00000557.SSF)					
8870	Delta-N	283.4246	-0.0039	0.0147	0.3
2161	Delta-E	7134.0615	0.0043	0.0086	0.5
	Delta-U	-4.3972	-0.0164	0.0222	0.7
	Length	7139.6906			
(V15 Day083(E) 17:44 00000561.SSF)					
8870	Delta-N	4519.1500	-0.0002	0.0118	0.0
8275	Delta-E	7093.6021	-0.0002	0.0072	0.0
	Delta-U	-6.1880	-0.0182	0.0176	1.0
	Length	8410.8231			
(V16 Day083(F) 18:08 00000573.SSF)					
8894	Delta-N	-6095.5193	0.0037	0.0060	0.6
2164	Delta-E	1284.1594	-0.0039	0.0058	0.7
	Delta-U	391.4101	0.0082	0.0094	0.9
	Length	6241.6041			
(V17 Day083(G) 19:12 00000577.SSF)					
2136	Delta-N	4507.6467	-0.0054	0.0064	0.8
8894	Delta-E	3623.0195	0.0017	0.0054	0.3
	Delta-U	-85.7671	-0.0133	0.0099	1.3
	Length	5783.8141			
(V18 Day083(G) 19:14 00000581.SSF)					
8894	Delta-N	-2920.8920	0.0011	0.0063	0.2
8870	Delta-E	6910.2569	0.0134	0.0054	2.5
	Delta-U	-58.1368	0.0031	0.0098	0.3
	Length	7502.4423			
(V19 Day083(G) 19:12 00000585.SSF)					
2136	Delta-N	-1586.7824	-0.0023	0.0067	0.3
2164	Delta-E	4911.2496	-0.0016	0.0056	0.3
	Delta-U	309.2248	-0.0004	0.0108	0.0
	Length	5170.4807			
(V20 Day083(H) 20:14 00000589.SSF)					
8894	Delta-N	-6095.5193	-0.0016	0.0062	0.3
2164	Delta-E	1284.1594	-0.0048	0.0054	0.9
	Delta-U	391.4101	-0.0055	0.0096	0.6
	Length	6241.6041			
(V21 Day083(H) 20:13 00000593.SSF)					
2160	Delta-N	462.7820	-0.0037	0.0075	0.5
2164	Delta-E	-5601.0417	0.0124	0.0062	2.0
	Delta-U	433.7659	-0.0088	0.0124	0.7
	Length	5636.8420			
(V22 Day083(I) 21:13 00000601.SSF)					
2133	Delta-N	3575.3678	0.0050	0.0095	0.5
2163	Delta-E	6707.1580	0.0073	0.0068	1.1
	Delta-U	-54.0150	-0.0070	0.0176	0.4
	Length	7600.7987			
(V23 Day083(I) 21:14 00000605.SSF)					
2133	Delta-N	-7495.4442	0.0055	0.0078	0.7
2164	Delta-E	6372.1804	0.0001	0.0059	0.0
	Delta-U	391.1990	-0.0183	0.0137	1.3
	Length	9845.7810			
(V24 Day083(I) 21:15 00000597.SSF)					
8894	Delta-N	4974.8932	0.0061	0.0101	0.6
2163	Delta-E	1629.2995	-0.0005	0.0071	0.1
	Delta-U	-55.9719	0.0052	0.0188	0.3
	Length	5235.1993			
(V25 Day083(I) 21:15 00000609.SSF)					

2160	Delta-N	462.7820	0.0030	0.0091	0.3
2164	Delta-E	-5601.0417	0.0022	0.0066	0.3
	Delta-U	433.7659	-0.0061	0.0166	0.4
	Length	5636.8420			
(V26 Day083 (J) 22:17 00000613.SSF)					
2133	Delta-N	-1400.9792	-0.0014	0.0056	0.3
8894	Delta-E	5082.3110	0.0040	0.0050	0.8
	Delta-U	2.1549	0.0077	0.0105	0.7
	Length	5271.8718			
(V27 Day083 (J) 22:16 00000617.SSF)					
2133	Delta-N	3575.3678	-0.0007	0.0079	0.1
2163	Delta-E	6707.1580	-0.0018	0.0064	0.3
	Delta-U	-54.0150	0.0026	0.0180	0.1
	Length	7600.7987			
(V28 Day083 (J) 22:16 00000621.SSF)					
2133	Delta-N	-7495.4442	0.0015	0.0056	0.3
2164	Delta-E	6372.1804	0.0018	0.0050	0.4
	Delta-U	391.1990	0.0127	0.0106	1.2
	Length	9845.7810			
(V29 Day083 (K) 23:40 00000625.SSF)					
8275	Delta-N	3398.2775	0.0004	0.0100	0.0
2163	Delta-E	-12360.8493	-0.0080	0.0079	1.0
	Delta-U	-12.3049	-0.0106	0.0160	0.7
	Length	12819.4788			
(V30 Day083 (K) 23:36 00000629.SSF)					
8894	Delta-N	1606.7966	-0.0020	0.0058	0.3
8275	Delta-E	13998.4049	0.0020	0.0052	0.4
	Delta-U	-69.9143	0.0009	0.0081	0.1
	Length	14090.4941			
(V31 Day083 (K) 23:47 00000633.SSF)					
2136	Delta-N	4507.6467	-0.0032	0.0063	0.5
8894	Delta-E	3623.0195	0.0076	0.0054	1.4
	Delta-U	-85.7671	0.0104	0.0088	1.2
	Length	5783.8141			
(V32 Day083 (K) 23:47 00000637.SSF)					
2136	Delta-N	5909.9151	-0.0028	0.0063	0.4
2133	Delta-E	-1458.9343	0.0013	0.0054	0.2
	Delta-U	-90.3831	0.0117	0.0087	1.3
	Length	6088.0009			
(V33 Day084 (L) 00:56 00000641.SSF)					
2136	Delta-N	5909.9151	0.0001	0.0059	0.0
2133	Delta-E	-1458.9343	-0.0034	0.0053	0.6
	Delta-U	-90.3831	0.0073	0.0099	0.7
	Length	6088.0009			
(V34 Day084 (L) 01:06 00000645.SSF)					
2133	Delta-N	6498.7064	-0.0007	0.0053	0.1
2162	Delta-E	1504.0116	0.0003	0.0050	0.1
	Delta-U	-52.8627	0.0023	0.0085	0.3
	Length	6670.6844			
(V35 Day084 (L) 01:06 00000649.SSF)					
2162	Delta-N	-2924.7032	-0.0039	0.0084	0.5
2163	Delta-E	5202.3787	0.0030	0.0073	0.4
	Delta-U	-2.9096	0.0040	0.0171	0.2
	Length	5968.1355			
(V36 Day084 (M) 02:28 00000653.SSF)					
2133	Delta-N	6498.7064	0.0026	0.0054	0.5
2162	Delta-E	1504.0116	0.0010	0.0053	0.2
	Delta-U	-52.8627	-0.0028	0.0086	0.3
	Length	6670.6844			
(V37 Day084 (M) 02:30 00000657.SSF)					
2162	Delta-N	-4356.6440	0.0069	0.0073	0.9
2159	Delta-E	-7419.8999	-0.0014	0.0072	0.2
	Delta-U	35.5186	-0.0052	0.0140	0.4
	Length	8604.4478			

(V38 Day084 (M) 02:30 00000661.SSF)				
2159	Delta-N	-10826.8917	0.0036	0.0074 0.5
2157	Delta-E	2535.4686	-0.0072	0.0072 1.0
	Delta-U	359.8606	0.0040	0.0141 0.3
	Length	11125.6318		
(V39 Day084 (M) 02:03 00000665.SSF)				
2136	Delta-N	-2778.1175	0.0096	0.0057 1.7
2157	Delta-E	-4852.0012	-0.0094	0.0056 1.7
	Delta-U	271.5848	-0.0218	0.0093 2.3
	Length	5597.6433		
(V40 Day084 (A) 14:30 00000669.SSF)				
2133	Delta-N	2140.1529	0.0029	0.0082 0.4
2159	Delta-E	-5914.7345	-0.0078	0.0071 1.1
	Delta-U	-11.1519	-0.0049	0.0134 0.4
	Length	6290.0288		
(V41 Day084 (A) 14:30 00000673.SSF)				
2159	Delta-N	-10826.8917	-0.0113	0.0079 1.4
2157	Delta-E	2535.4686	0.0050	0.0069 0.7
	Delta-U	359.8606	0.0030	0.0129 0.2
	Length	11125.6318		
(V42 Day084 (A) 14:30 00000677.SSF)				
1823	Delta-N	902.9578	-0.0019	0.0075 0.2
2159	Delta-E	6855.5380	0.0039	0.0066 0.6
	Delta-U	-36.1175	0.0113	0.0121 0.9
	Length	6914.8419		
(V43 Day084 (A) 14:23 00000681.SSF)				
2157	Delta-N	2357.6241	0.0038	0.0050 0.8
2158	Delta-E	-4211.5245	-0.0085	0.0048 1.8
	Delta-U	-73.4557	-0.0111	0.0065 1.7
	Length	4827.0826		
(V44 Day084 (B) 15:33 00000685.SSF)				
1823	Delta-N	-7570.0066	-0.0112	0.0064 1.8
2158	Delta-E	5188.8631	-0.0021	0.0051 0.4
	Delta-U	258.9513	0.0071	0.0085 0.8
	Length	9181.3046		
(V45 Day084 (B) 15:34 00000689.SSF)				
1823	Delta-N	902.9578	-0.0161	0.0095 1.7
2159	Delta-E	6855.5380	0.0015	0.0067 0.2
	Delta-U	-36.1175	0.0074	0.0142 0.5
	Length	6914.8419		
(V46 Day084 (B) 15:34 00000693.SSF)				
2133	Delta-N	2140.1529	-0.0097	0.0112 0.9
2159	Delta-E	-5914.7345	-0.0029	0.0076 0.4
	Delta-U	-11.1519	-0.0134	0.0171 0.8
	Length	6290.0288		
(V47 Day084 (C) 16:34 00000697.SSF)				
2133	Delta-N	-6329.0196	-0.0001	0.0060 0.0
2158	Delta-E	-7600.8697	-0.0066	0.0052 1.3
	Delta-U	282.2122	-0.0050	0.0094 0.5
	Length	9894.9155		
(V48 Day084 (C) 16:34 00000701.SSF)				
2159	Delta-N	-8471.0060	-0.0006	0.0077 0.1
2158	Delta-E	-1677.1238	-0.0003	0.0062 0.1
	Delta-U	292.0797	0.0050	0.0136 0.4
	Length	8640.3702		
(V49 Day084 (E) 18:35 00000717.SSF)				
2155	Delta-N	1447.6196	0.0019	0.0068 0.3
2154	Delta-E	-10394.8511	-0.0029	0.0060 0.5
	Delta-U	-100.7151	-0.0037	0.0110 0.3
	Length	10495.6503		
(V50 Day084 (C) 16:34 00000705.SSF)				
2158	Delta-N	1109.9969	0.0031	0.0068 0.5
2155	Delta-E	-6689.6202	-0.0009	0.0052 0.2
	Delta-U	51.6266	0.0055	0.0115 0.5
	Length	6781.2813		

(V51 Day084 (C) 16:33 00000709.SSF)					
1823	Delta-N	-6466.1192	0.0063	0.0061	1.0
2155	Delta-E	-1501.7125	0.0061	0.0049	1.2
	Delta-U	317.3223	0.0050	0.0097	0.5
	Length	6645.7905			
(V52 Day084 (D) 17:35 00000713.SSF)					
1823	Delta-N	-6466.1192	0.0023	0.0061	0.4
2155	Delta-E	-1501.7125	-0.0053	0.0053	1.0
	Delta-U	317.3223	0.0018	0.0092	0.2
	Length	6645.7905			
(V53 Day084 (E) 18:35 00000721.SSF)					
2155	Delta-N	8788.9788	-0.0019	0.0071	0.3
2156	Delta-E	-10295.3126	-0.0065	0.0064	1.0
	Delta-U	-339.0126	0.0042	0.0121	0.4
	Length	13540.8471			
(V54 Day084 (E) 18:36 00000725.SSF)					
1823	Delta-N	2325.8927	0.0038	0.0064	0.6
2156	Delta-E	-11794.6473	-0.0049	0.0058	0.8
	Delta-U	-15.1863	0.0135	0.0103	1.3
	Length	12021.8015			
(V55 Day084 (E) 18:36 00000729.SSF)					
1823	Delta-N	4155.0949	0.0041	0.0061	0.7
1927	Delta-E	-6088.7261	0.0040	0.0055	0.7
	Delta-U	-75.6962	0.0088	0.0095	0.9
	Length	7371.7792			
(V56 Day084 (F) 19:37 00000733.SSF)					
2156	Delta-N	1840.9684	-0.0046	0.0089	0.5
1927	Delta-E	5702.0226	0.0116	0.0069	1.7
	Delta-U	-70.3739	-0.0004	0.0150	0.0
	Length	5992.2599			
(V57 Day084 (F) 19:37 00000737.SSF)					
2156	Delta-N	-7341.8474	-0.0097	0.0107	0.9
2154	Delta-E	-85.9758	0.0111	0.0081	1.4
	Delta-U	228.3296	0.0068	0.0183	0.4
	Length	7345.9002			
(V58 Day084 (F) 19:37 00000741.SSF)					
2155	Delta-N	1447.6196	0.0091	0.0101	0.9
2154	Delta-E	-10394.8511	-0.0106	0.0077	1.4
	Delta-U	-100.7151	0.0005	0.0173	0.0
	Length	10495.6503			
(V59 Day084 (G) 20:20 00000745.SSF)					
2156	Delta-N	1840.9684	-0.0070	0.0078	0.9
1927	Delta-E	5702.0226	0.0043	0.0062	0.7
	Delta-U	-70.3739	0.0007	0.0131	0.1
	Length	5992.2599			
(V60 Day084 (I) 22:19 00000765.SSF)					
2154	Delta-N	563.8542	0.0087	0.0064	1.4
2153	Delta-E	-6763.6104	0.0004	0.0054	0.1
	Delta-U	-197.3178	0.0012	0.0124	0.1
	Length	6789.9405			
(V61 Day084 (G) 20:20 00000749.SSF)					
1885	Delta-N	2011.7674	0.0076	0.0081	0.9
1927	Delta-E	1898.3529	-0.0055	0.0061	0.9
	Delta-U	-0.2556	-0.0165	0.0141	1.2
	Length	2766.0354			
(V62 Day084 (G) 20:19 00000753.SSF)					
1885	Delta-N	-7167.1938	0.0137	0.0135	1.0
2154	Delta-E	-3895.9204	-0.0052	0.0093	0.6
	Delta-U	295.2493	-0.0088	0.0253	0.3
	Length	8162.9673			
(V63 Day084 (G) 20:17 00000757.SSF)					
1885	Delta-N	-8603.1698	0.0140	0.0152	0.9
2155	Delta-E	6500.6592	0.0128	0.0104	1.2
	Delta-U	383.4495	-0.0037	0.0284	0.1
	Length	10789.8163			

(V64 Day084 (H) 21:18 00000761.SSF)					
2154	Delta-N	7341.5807	-0.0043	0.0073	0.6
2156	Delta-E	85.8627	-0.0060	0.0062	1.0
	Delta-U	-236.7911	0.0042	0.0167	0.2
	Length	7345.9002			
(V65 Day084 (I) 22:17 00000769.SSF)					
2130	Delta-N	-6124.7552	-0.0034	0.0067	0.5
2153	Delta-E	5649.8056	-0.0011	0.0056	0.2
	Delta-U	29.0613	0.0040	0.0135	0.3
	Length	8332.6931			
(V66 Day084 (I) 22:18 00000773.SSF)					
2130	Delta-N	2946.6601	-0.0066	0.0054	1.2
2165	Delta-E	7610.4269	-0.0012	0.0049	0.3
	Delta-U	-77.3334	0.0068	0.0095	0.7
	Length	8161.3347			
(V67 Day084 (I) 22:19 00000777.SSF)					
2165	Delta-N	-2285.3493	-0.0044	0.0056	0.8
2156	Delta-E	4870.9828	-0.0027	0.0050	0.6
	Delta-U	65.5096	-0.0011	0.0100	0.1
	Length	5380.8537			
(V68 Day084 (J) 23:21 00000781.SSF)					
2153	Delta-N	6785.7951	-0.0071	0.0070	1.0
2156	Delta-E	6841.4379	-0.0062	0.0061	1.0
	Delta-U	-46.1232	-0.0131	0.0112	1.2
	Length	9636.0996			
(V69 Day084 (J) 23:22 00000785.SSF)					
2130	Delta-N	667.8167	-0.0094	0.0065	1.4
2156	Delta-E	12484.5184	-0.0023	0.0058	0.4
	Delta-U	-16.5748	-0.0009	0.0102	0.1
	Length	12502.3779			
(V70 Day084 (J) 23:22 00000789.SSF)					
2156	Delta-N	2289.4667	0.0059	0.0059	1.0
2165	Delta-E	-4868.9858	0.0009	0.0054	0.2
	Delta-U	-70.0424	-0.0023	0.0090	0.3
	Length	5380.8537			
(V71 Day085 (K) 00:21 00000793.SSF)					
2156	Delta-N	-6777.6648	0.0084	0.0065	1.3
2153	Delta-E	-6849.5751	0.0016	0.0055	0.3
	Delta-U	31.5708	0.0035	0.0102	0.3
	Length	9636.0996			
(V72 Day085 (K) 00:22 00000801.SSF)					
2111	Delta-N	5276.7313	-0.0066	0.0093	0.7
2130	Delta-E	7766.4451	-0.0083	0.0074	1.1
	Delta-U	-110.7443	0.0036	0.0155	0.2
	Length	9390.0920			
(V73 Day085 (K) 00:21 00000797.SSF)					
2111	Delta-N	-840.3395	-0.0024	0.0114	0.2
2153	Delta-E	13424.5788	-0.0085	0.0087	1.0
	Delta-U	-83.4933	-0.0096	0.0188	0.5
	Length	13451.1136			
(V74 Day085 (K) 00:22 00000805.SSF)					
2130	Delta-N	2946.6601	-0.0029	0.0058	0.5
2165	Delta-E	7610.4269	-0.0027	0.0051	0.5
	Delta-U	-77.3334	-0.0078	0.0084	0.9
	Length	8161.3347			
(V75 Day085 (L) 01:23 00000809.SSF)					
2111	Delta-N	-840.3395	-0.0121	0.0085	1.4
2153	Delta-E	13424.5788	-0.0062	0.0076	0.8
	Delta-U	-83.4933	-0.0052	0.0172	0.3
	Length	13451.1136			
(V76 Day085 (L) 01:22 00000813.SSF)					
2130	Delta-N	-6124.7552	-0.0003	0.0062	0.0
2153	Delta-E	5649.8056	0.0014	0.0058	0.2
	Delta-U	29.0613	0.0028	0.0111	0.3
	Length	8332.6931			

(V77 Day085 (M) 02:23 00000817.SSF)					
2153	Delta-N	8046.4553	0.0230	0.0078	3.0
2151	Delta-E	-11329.3271	-0.0052	0.0075	0.7
	Delta-U	-11.7221	0.0258	0.0149	1.7
	Length	13896.0150			
(V78 Day085 (M) 02:22 00000821.SSF)					
2151	Delta-N	2547.0803	-0.0063	0.0054	1.2
2152	Delta-E	2565.1346	0.0023	0.0051	0.5
	Delta-U	-110.2405	-0.0059	0.0081	0.7
	Length	3616.5849			
(V79 Day085 (M) 02:24 00000825.SSF)					
2130	Delta-N	-5266.2888	0.0055	0.0073	0.8
2111	Delta-E	-7773.7143	0.0055	0.0076	0.7
	Delta-U	96.9344	0.0054	0.0149	0.4
	Length	9390.0920			
(V80 Day085 (M) 02:23 00000829.SSF)					
2130	Delta-N	4455.0429	0.0134	0.0072	1.9
2152	Delta-E	-3119.6807	-0.0009	0.0065	0.1
	Delta-U	-73.6302	0.0079	0.0131	0.6
	Length	5439.2312			
(V81 Day085 (A) 14:37 00000833.SSF)					
2130	Delta-N	4455.0429	0.0244	0.0100	2.4
2152	Delta-E	-3119.6807	-0.0123	0.0082	1.5
	Delta-U	-73.6302	-0.0237	0.0160	1.5
	Length	5439.2312			
(V82 Day085 (A) 14:37 00000837.SSF)					
2152	Delta-N	-2545.9739	0.0049	0.0061	0.8
2151	Delta-E	-2566.3200	0.0005	0.0054	0.1
	Delta-U	108.1924	-0.0071	0.0084	0.8
	Length	3616.5849			
(V83 Day085 (B) 15:12 00000841.SSF)					
2111	Delta-N	7179.5985	-0.0071	0.0096	0.7
2151	Delta-E	2076.4665	0.0045	0.0124	0.4
	Delta-U	-70.3168	-0.0112	0.0164	0.7
	Length	7474.1750			
(V84 Day085 (B) 15:13 00000845.SSF)					
2111	Delta-N	9727.4820	-0.0092	0.0084	1.1
2152	Delta-E	4640.6413	0.0003	0.0098	0.0
	Delta-U	-184.2619	-0.0018	0.0147	0.1
	Length	10779.3047			
(V85 Day085 (D) 18:13 00000865.SSF)					
2150	Delta-N	-1028.9152	-0.0054	0.0061	0.9
2151	Delta-E	8840.9046	-0.0003	0.0059	0.0
	Delta-U	20.4714	0.0106	0.0098	1.1
	Length	8900.6000			
(V86 Day085 (C) 16:12 00000849.SSF)					
2111	Delta-N	-20570.5806	0.0265	0.0069	3.8*
2144	Delta-E	-42732.7051	0.0155	0.0064	2.4
	Delta-U	-287.2502	-0.0034	0.0114	0.3
	Length	47426.9479			
(V87 Day085 (C) 16:11 00000853.SSF)					
2144	Delta-N	29055.2469	-0.0059	0.0059	1.0
2150	Delta-E	35755.3720	-0.0027	0.0051	0.5
	Delta-U	-147.7455	0.0058	0.0088	0.7
	Length	46072.5062			
(V88 Day085 (D) 18:13 00000869.SSF)					
2111	Delta-N	8218.9190	0.0070	0.0082	0.8
2150	Delta-E	-6763.1897	0.0069	0.0087	0.8
	Delta-U	-101.4849	-0.0096	0.0157	0.6
	Length	10644.3254			
(V89 Day085 (C) 16:12 00000861.SSF)					
2150	Delta-N	-1028.9152	-0.0124	0.0053	2.3
2151	Delta-E	8840.9046	-0.0002	0.0048	0.0
	Delta-U	20.4714	-0.0084	0.0074	1.1
	Length	8900.6000			

(V90 Day085 (C) 17:03 00000857.SSF)					
1638	Delta-N	-5759.3125	-0.0106	0.0077	1.4
2150	Delta-E	18891.3614	0.0116	0.0060	1.9
	Delta-U	52.6625	-0.0081	0.0119	0.7
	Length	19749.8352			
(V91 Day085 (D) 18:14 00000873.SSF)					
2150	Delta-N	-28831.7140	0.0056	0.0057	1.0
2144	Delta-E	-35935.6919	0.0105	0.0052	2.0
	Delta-U	-184.8357	0.0024	0.0084	0.3
	Length	46072.5064			
(V92 Day085 (D) 18:14 00000877.SSF)					
1638	Delta-N	-34709.3823	-0.0018	0.0069	0.3
2144	Delta-E	-16949.3734	0.0115	0.0061	1.9
	Delta-U	-52.3866	-0.0036	0.0112	0.3
	Length	38626.7424			
(V93 Day085 (E) 20:16 00000881.SSF)					
1638	Delta-N	-5759.3125	0.0023	0.0092	0.3
2150	Delta-E	18891.3614	0.0047	0.0070	0.7
	Delta-U	52.6625	-0.0207	0.0162	1.3
	Length	19749.8352			
(V94 Day085 (E) 20:19 00000885.SSF)					
1638	Delta-N	3506.3376	0.0041	0.0137	0.3
2098	Delta-E	-10039.9894	-0.0041	0.0093	0.4
	Delta-U	4.2452	-0.0276	0.0229	1.2
	Length	10634.6513			
(V95 Day085 (E) 20:19 00000889.SSF)					
2098	Delta-N	-18313.8284	-0.0075	0.0127	0.6
2147	Delta-E	2282.0011	0.0094	0.0087	1.1
	Delta-U	143.7374	-0.0078	0.0209	0.4
	Length	18456.0153			
(V96 Day085 (E) 20:15 00000893.SSF)					
2144	Delta-N	19925.6481	0.0015	0.0088	0.2
2147	Delta-E	9100.7605	-0.0004	0.0069	0.1
	Delta-U	81.2793	0.0012	0.0156	0.1
	Length	21905.7504			
(V97 Day085 (F) 21:19 00000897.SSF)					
1638	Delta-N	3506.3376	0.0075	0.0101	0.7
2098	Delta-E	-10039.9894	-0.0005	0.0074	0.1
	Delta-U	4.2452	0.0023	0.0210	0.1
	Length	10634.6513			
(V98 Day085 (F) 21:19 00000901.SSF)					
1638	Delta-N	-14811.3929	-0.0025	0.0089	0.3
2147	Delta-E	-7790.4361	0.0064	0.0067	0.9
	Delta-U	161.5986	-0.0121	0.0181	0.7
	Length	16736.0201			
(V99 Day085 (F) 21:16 00000905.SSF)					
2147	Delta-N	-19910.8442	-0.0014	0.0078	0.2
2144	Delta-E	-9132.1231	0.0062	0.0061	1.0
	Delta-U	-156.5597	0.0014	0.0152	0.1
	Length	21905.7504			
(V100 Day085 (F) 21:15 00000909.SSF)					
2150	Delta-N	-8963.8721	0.0078	0.0073	1.1
2147	Delta-E	-26711.7555	0.0007	0.0058	0.1
	Delta-U	38.2378	-0.0038	0.0138	0.3
	Length	28175.7049			
(V101 Day085 (G) 22:17 00000913.SSF)					
2098	Delta-N	-18313.8284	-0.0025	0.0064	0.4
2147	Delta-E	2282.0011	0.0013	0.0059	0.2
	Delta-U	143.7374	-0.0129	0.0195	0.7
	Length	18456.0153			
(V102 Day085 (G) 22:17 00000917.SSF)					
1638	Delta-N	-14811.3929	0.0008	0.0070	0.1
2147	Delta-E	-7790.4361	0.0116	0.0063	1.8
	Delta-U	161.5986	-0.0042	0.0225	0.2
	Length	16736.0201			

(V103 Day085 (H) 23:18 00000921.SSF)						
2147	Delta-N	-10853.2208	-0.0005	0.0073	0.1	
2145	Delta-E	-5809.3810	0.0015	0.0063	0.2	
	Delta-U	-79.8349	0.0045	0.0107	0.4	
	Length	12310.4704				
(V104 Day085 (H) 23:17 00000925.SSF)						
2100	Delta-N	-32567.3424	-0.0094	0.0107	0.9	
2145	Delta-E	-94.6908	-0.0002	0.0086	0.0	
	Delta-U	7.1080	0.0001	0.0164	0.0	
	Length	32567.4808				
(V105 Day085 (H) 23:17 00000929.SSF)						
2098	Delta-N	3398.1823	-0.0000	0.0072	0.0	
2100	Delta-E	-3408.9263	-0.0002	0.0064	0.0	
	Delta-U	10.3534	-0.0073	0.0099	0.7	
	Length	4813.3697				
(V106 Day086 (I) 00:17 00000933.SSF)						
2098	Delta-N	-29169.0892	0.0138	0.0116	1.2	
2145	Delta-E	-3523.0933	-0.0043	0.0093	0.5	
	Delta-U	34.7713	0.0072	0.0233	0.3	
	Length	29381.1021				
(V107 Day086 (J) 01:01 00000945.SSF)						
2098	Delta-N	8488.0892	0.0083	0.0064	1.3	
2149	Delta-E	-12986.1313	-0.0017	0.0060	0.3	
	Delta-U	-32.5126	-0.0087	0.0143	0.6	
	Length	15514.1329				
(V108 Day086 (I) 00:18 00000937.SSF)						
2098	Delta-N	3398.1823	0.0012	0.0068	0.2	
2100	Delta-E	-3408.9263	-0.0033	0.0059	0.6	
	Delta-U	10.3534	0.0120	0.0120	1.0	
	Length	4813.3697				
(V109 Day086 (J) 00:58 00000949.SSF)						
2098	Delta-N	-15569.2699	-0.0002	0.0076	0.0	
2148	Delta-E	-708.5681	-0.0063	0.0070	0.9	
	Delta-U	113.0998	-0.0064	0.0185	0.3	
	Length	15585.7956				
(V110 Day086 (A) 15:00 00000973.SSF)						
1779	Delta-N	-6803.5646	-0.0041	0.0101	0.4	
2149	Delta-E	14231.1140	0.0059	0.0073	0.8	
	Delta-U	-20.7305	0.0019	0.0150	0.1	
	Length	15773.8241				
(V111 Day086 (J) 00:59 00000957.SSF)						
2148	Delta-N	-13600.3177	0.0031	0.0085	0.4	
2145	Delta-E	-2812.8500	0.0052	0.0075	0.7	
	Delta-U	-44.7815	-0.0079	0.0201	0.4	
	Length	13888.2242				
(V112 Day086 (K) 02:01 00000961.SSF)						
2100	Delta-N	5084.2019	0.0016	0.0117	0.1	
2149	Delta-E	-9580.2667	-0.0039	0.0095	0.4	
	Delta-U	-35.0420	0.0073	0.0197	0.4	
	Length	10845.8216				
(V113 Day086 (J) 00:59 00000953.SSF)						
2100	Delta-N	-18965.8863	0.0064	0.0092	0.7	
2148	Delta-E	2711.7476	-0.0048	0.0080	0.6	
	Delta-U	91.1889	0.0089	0.0224	0.4	
	Length	19158.9857				
(V114 Day086 (K) 02:00 00000965.SSF)						
2149	Delta-N	-24029.4589	-0.0007	0.0084	0.1	
2148	Delta-E	12332.6210	0.0027	0.0074	0.4	
	Delta-U	88.6096	0.0166	0.0152	1.1	
	Length	27009.5592				
(V115 Day086 (K) 02:00 00000969.SSF)						
2098	Delta-N	-15569.2699	-0.0112	0.0106	1.1	
2148	Delta-E	-708.5681	0.0117	0.0096	1.2	
	Delta-U	113.0998	0.0239	0.0200	1.2	
	Length	15585.7956				

(V116 Day086(A) 14:49 00000977.SSF)						
1779	Delta-N	-45269.8246	-0.0085	0.0087	1.0	
2143	Delta-E	7147.4411	0.0139	0.0068	2.0	
	Delta-U	-115.8150	-0.0192	0.0131	1.5	
	Length	45830.7358				
(V117 Day086(A) 14:49 00000981.SSF)						
1779	Delta-N	-35978.2301	-0.0083	0.0097	0.9	
2146	Delta-E	18220.0902	0.0130	0.0074	1.7	
	Delta-U	-25.4146	-0.0068	0.0149	0.5	
	Length	40328.7165				
(V118 Day086(B) 16:15 00000989.SSF)						
1779	Delta-N	-6803.5646	-0.0075	0.0072	1.0	
2149	Delta-E	14231.1140	0.0035	0.0059	0.6	
	Delta-U	-20.7305	0.0154	0.0127	1.2	
	Length	15773.8241				
(V119 Day086(A) 14:56 00000985.SSF)						
1779	Delta-N	-30802.1671	-0.0117	0.0101	1.2	
2148	Delta-E	26623.9392	0.0053	0.0095	0.6	
	Delta-U	14.6517	0.0002	0.0137	0.0	
	Length	40713.7305				
(V120 Day086(B) 16:04 00000993.SSF)						
1779	Delta-N	-45269.8246	-0.0101	0.0078	1.3	
2143	Delta-E	7147.4411	0.0110	0.0062	1.8	
	Delta-U	-115.8150	0.0121	0.0140	0.9	
	Length	45830.7358				
(V121 Day086(B) 16:15 00000997.SSF)						
2143	Delta-N	9278.2594	0.0013	0.0070	0.2	
2146	Delta-E	11084.1331	0.0009	0.0058	0.2	
	Delta-U	36.7603	-0.0013	0.0123	0.1	
	Length	14454.9457				
(V122 Day086(B) 16:16 00001001.SSF)						
2146	Delta-N	2409.8434	0.0020	0.0074	0.3	
2147	Delta-E	11415.1418	-0.0080	0.0060	1.3	
	Delta-U	70.0785	0.0009	0.0133	0.1	
	Length	11666.9498				
(V123 Day086(C) 17:17 00001005.SSF)						
2143	Delta-N	9278.2594	-0.0001	0.0077	0.0	
2146	Delta-E	11084.1331	-0.0034	0.0062	0.5	
	Delta-U	36.7603	0.0004	0.0119	0.0	
	Length	14454.9457				
(V124 Day086(C) 17:17 00001009.SSF)						
2143	Delta-N	11710.1930	0.0019	0.0064	0.3	
2147	Delta-E	22494.7085	-0.0034	0.0054	0.6	
	Delta-U	83.5045	0.0043	0.0093	0.5	
	Length	25360.3530				
(V125 Day086(D) 18:18 00001013.SSF)						
2148	Delta-N	-2744.1059	-0.0059	0.0066	0.9	
2147	Delta-E	2990.9124	-0.0039	0.0057	0.7	
	Delta-U	37.0130	0.0128	0.0100	1.3	
	Length	4059.1926				
(V126 Day086(D) 18:18 00001017.SSF)						
2148	Delta-N	-5137.1317	-0.0067	0.0104	0.6	
2146	Delta-E	-8427.6499	0.0048	0.0086	0.6	
	Delta-U	-50.0548	0.0124	0.0183	0.7	
	Length	9870.0512				
(V127 Day086(E) 19:19 00001021.SSF)						
2145	Delta-N	8460.4127	0.0017	0.0093	0.2	
2146	Delta-E	-5618.9416	-0.0056	0.0072	0.8	
	Delta-U	-20.8686	0.0019	0.0155	0.1	
	Length	10156.3538				
(V128 Day086(E) 19:19 00001025.SSF)						
8597	Delta-N	11823.7334	0.0065	0.0078	0.8	
2146	Delta-E	1412.2067	-0.0122	0.0063	1.9	
	Delta-U	10.5833	0.0059	0.0128	0.5	
	Length	11907.7752				

(V129 Day086(F) 20:22 00001029.SSF)					
8597	Delta-N	11823.7334	0.0038	0.0101	0.4
2146	Delta-E	1412.2067	-0.0052	0.0071	0.7
	Delta-U	10.5833	-0.0032	0.0183	0.2
	Length	11907.7752			
(V130 Day086(F) 20:22 00001033.SSF)					
8597	Delta-N	-970.3802	0.0046	0.0079	0.6
2142	Delta-E	-6913.5649	-0.0045	0.0059	0.8
	Delta-U	-42.6212	0.0052	0.0137	0.4
	Length	6981.4636			
(V131 Day086(F) 20:25 00001037.SSF)					
8597	Delta-N	3370.2047	-0.0034	0.0100	0.3
2145	Delta-E	7041.5059	-0.0074	0.0067	1.1
	Delta-U	29.7207	0.0027	0.0186	0.1
	Length	7806.5337			
(V132 Day086(F) 20:25 00001041.SSF)					
2145	Delta-N	-9061.0875	-0.0000	0.0090	0.0
2144	Delta-E	-3313.6598	-0.0011	0.0062	0.2
	Delta-U	-58.2735	-0.0002	0.0159	0.0
	Length	9648.1628			
(V133 Day086(G) 21:22 00001045.SSF)					
8597	Delta-N	-970.3802	0.0029	0.0067	0.4
2142	Delta-E	-6913.5649	-0.0006	0.0056	0.1
	Delta-U	-42.6212	0.0023	0.0139	0.2
	Length	6981.4636			
(V134 Day086(G) 21:22 00001049.SSF)					
8597	Delta-N	-5694.9544	-0.0020	0.0065	0.3
2144	Delta-E	3738.8628	-0.0052	0.0055	0.9
	Delta-U	-20.1180	0.0025	0.0133	0.2
	Length	6812.6357			
(V135 Day086(H) 22:23 00001053.SSF)					
8597	Delta-N	-5694.9544	0.0009	0.0058	0.1
2144	Delta-E	3738.8628	-0.0063	0.0051	1.2
	Delta-U	-20.1180	-0.0010	0.0104	0.1
	Length	6812.6357			
(V136 Day086(H) 22:22 00001057.SSF)					
2144	Delta-N	1412.9560	0.0031	0.0056	0.5
2141	Delta-E	-16927.2028	0.0067	0.0050	1.3
	Delta-U	-6.1431	-0.0042	0.0099	0.4
	Length	16986.0730			
(V137 Day086(H) 22:23 00001061.SSF)					
2142	Delta-N	-3330.0934	0.0033	0.0057	0.6
2141	Delta-E	-6271.6659	0.0022	0.0051	0.4
	Delta-U	34.8144	0.0000	0.0101	0.0
	Length	7101.0230			
(V138 Day086(I) 23:23 00001065.SSF)					
8472	Delta-N	38392.2999	0.0000	0.0062	0.0
2144	Delta-E	-1021.5303	-0.0074	0.0054	1.4
	Delta-U	-55.7887	0.0046	0.0089	0.5
	Length	38405.9283			
(V139 Day086(I) 23:23 00001069.SSF)					
8472	Delta-N	43125.3338	0.0066	0.0064	1.0
2142	Delta-E	-11670.0381	-0.0034	0.0055	0.6
	Delta-U	-118.9759	0.0020	0.0093	0.2
	Length	44676.5975			
(V140 Day086(I) 23:24 00001073.SSF)					
8472	Delta-N	39808.1702	0.0041	0.0061	0.7
2141	Delta-E	-17948.4817	-0.0009	0.0054	0.2
	Delta-U	-73.1710	0.0011	0.0088	0.1
	Length	43667.4222			
(V141 Day087(J) 00:24 00001089.SSF)					
2137	Delta-N	-6001.8844	-0.0102	0.0100	1.0
2144	Delta-E	16134.1454	-0.0114	0.0080	1.4
	Delta-U	-9.1185	-0.0059	0.0248	0.2
	Length	17214.3355			

(V142 Day087 (J) 00:25 00001081.SSF)						
2137	Delta-N	-1300.1968	-0.0073	0.0099	0.7	
2142	Delta-E	5471.5728	-0.0086	0.0080	1.1	
	Delta-U	-10.7264	-0.0054	0.0248	0.2	
	Length	5623.9431				
(V143 Day087 (J) 00:25 00001077.SSF)						
2137	Delta-N	-44390.4352	-0.0025	0.0110	0.2	
8472	Delta-E	17269.2123	-0.0128	0.0088	1.5	
	Delta-U	-223.9028	-0.0354	0.0283	1.3	
	Length	47631.7810				
(V144 Day087 (J) 00:25 00001085.SSF)						
2137	Delta-N	-4636.2461	-0.0104	0.0054	1.9	
2141	Delta-E	-796.8993	-0.0080	0.0049	1.6	
	Delta-U	28.7747	0.0021	0.0099	0.2	
	Length	4704.3229				
(V145 Day087 (K) 01:26 00001093.SSF)						
8472	Delta-N	38392.2999	-0.0122	0.0063	1.9	
2144	Delta-E	-1021.5303	0.0001	0.0058	0.0	
	Delta-U	-55.7887	-0.0110	0.0105	1.0	
	Length	38405.9283				
(V146 Day087 (K) 01:26 00001097.SSF)						
2144	Delta-N	4731.4457	0.0056	0.0060	0.9	
2142	Delta-E	-10649.3501	-0.0001	0.0056	0.0	
	Delta-U	-32.9596	-0.0070	0.0097	0.7	
	Length	11653.1679				
(V147 Day087 (L) 02:28 00001101.SSF)						
8597	Delta-N	-44085.8657	-0.0003	0.0066	0.0	
8472	Delta-E	4791.8992	-0.0104	0.0065	1.6	
	Delta-U	-230.8040	0.0231	0.0123	1.9	
	Length	44346.1286				
(V148 Day087 (L) 02:10 00001105.SSF)						
8597	Delta-N	2564.1026	-0.0029	0.0056	0.5	
2143	Delta-E	-9687.4422	-0.0145	0.0055	2.7	
	Delta-U	-39.2778	0.0021	0.0090	0.2	
	Length	10021.1128				
(V149 Day087 (L) 02:27 00001109.SSF)						
2143	Delta-N	-3529.8124	-0.0090	0.0046	2.0	
2142	Delta-E	2779.8057	0.0058	0.0046	1.3	
	Delta-U	-8.9713	-0.0030	0.0058	0.5	
	Length	4492.9919				
(V150 Day087 (L) 02:27 00001113.SSF)						
2144	Delta-N	4731.4457	0.0022	0.0057	0.4	
2142	Delta-E	-10649.3501	0.0056	0.0057	1.0	
	Delta-U	-32.9596	0.0023	0.0097	0.2	
	Length	11653.1679				
(V151 Day350 (1) 17:06 00005224.ssf)						
2155	Delta-N	-1726.1358	-0.0067	0.0076	0.9	
2886	Delta-E	1781.6602	0.0052	0.0060	0.9	
	Delta-U	-75.1720	0.0041	0.0125	0.3	
	Length	2481.8358				
(V152 Day350 (1) 17:07 00005228.ssf)						
2886	Delta-N	2237.5589	0.0045	0.0071	0.6	
2887	Delta-E	55.5819	-0.0032	0.0058	0.6	
	Delta-U	-66.7550	0.0013	0.0115	0.1	
	Length	2239.2444				
(V153 Day357 (0) 16:21 00005260.ssf)						
2886	Delta-N	2237.5589	0.0010	0.0056	0.2	
2887	Delta-E	55.5819	-0.0090	0.0049	1.8	
	Delta-U	-66.7550	-0.0099	0.0086	1.1	
	Length	2239.2444				
(V156 Day357 (2) 18:40 00005288.ssf)						
2155	Delta-N	511.4582	-0.0006	0.0161	0.0	
2887	Delta-E	1836.5299	-0.0007	0.0052	0.1	
	Delta-U	-141.3360	0.0017	0.0092	0.2	
	Length	1911.6504				

(V157 Day357(3) 19:51 00005304.ssf)					
2158	Delta-N	-618.2253	0.0089	0.0080	1.1
2886	Delta-E	-4909.8935	-0.0016	0.0053	0.3
	Delta-U	-21.3813	-0.0180	0.0103	1.8
	Length	4948.7083			
(V158 Day357(4) 21:05 00005308.ssf)					
2158	Delta-N	1619.2918	0.0148	0.0075	2.0
2887	Delta-E	-4852.3490	-0.0054	0.0063	0.9
	Delta-U	-87.8749	0.0030	0.0143	0.2
	Length	5116.1625			
(V159 Day357(4) 21:04 00005312.ssf)					
2887	Delta-N	-2237.5817	-0.0007	0.0074	0.1
2886	Delta-E	-55.6041	0.0050	0.0059	0.8
	Delta-U	65.9686	-0.0059	0.0114	0.5
	Length	2239.2444			
(V160 Day299(0) 15:27 00006584.ssf)					
2155	Delta-N	-1718.1554	0.0013	0.0049	0.3
1A	Delta-E	1744.3801	-0.0003	0.0047	0.1
	Delta-U	-78.9994	0.0074	0.0094	0.8
	Length	2449.7267			
(V161 Day299(0) 15:28 00006588.ssf)					
2155	Delta-N	-1748.4293	-0.0009	0.0050	0.2
2	Delta-E	1741.4231	-0.0019	0.0047	0.4
	Delta-U	-76.9146	0.0135	0.0102	1.3
	Length	2468.9016			
(V162 Day299(0) 15:35 00006592.ssf)					
2155	Delta-N	-1776.2203	-0.0002	0.0049	0.0
3	Delta-E	1588.4065	-0.0027	0.0048	0.6
	Delta-U	-86.9701	0.0115	0.0102	1.1
	Length	2384.4407			
(V163 Day299(0) 17:28 00006596.ssf)					
1A	Delta-N	-30.2725	-0.0013	0.0047	0.3
2	Delta-E	-2.9668	0.0010	0.0044	0.2
	Delta-U	2.0922	0.0016	0.0053	0.3
	Length	30.4894			
(V164 Day299(0) 15:36 00006600.ssf)					
2887	Delta-N	-2229.5891	0.0039	0.0050	0.8
1A	Delta-E	-92.8805	-0.0024	0.0049	0.5
	Delta-U	62.1311	-0.0067	0.0108	0.6
	Length	2232.3876			
(V165 Day299(0) 15:36 00006604.ssf)					
2887	Delta-N	-2259.8622	0.0021	0.0053	0.4
2	Delta-E	-95.8479	-0.0042	0.0049	0.8
	Delta-U	64.2127	0.0014	0.0127	0.1
	Length	2262.8052			
(V166 Day299(0) 15:36 00006608.ssf)					
2887	Delta-N	-2287.6034	0.0027	0.0050	0.5
3	Delta-E	-248.8704	-0.0048	0.0048	1.0
	Delta-U	54.1110	-0.0011	0.0108	0.1
	Length	2301.7371			
(V167 Day299(1) 16:47 00006612.ssf)					
2886	Delta-N	7.9909	-0.0026	0.0054	0.5
1A	Delta-E	-37.2765	0.0033	0.0051	0.7
	Delta-U	-3.8400	0.0094	0.0084	1.1
	Length	38.3163			
(V168 Day299(1) 16:47 00006616.ssf)					
2886	Delta-N	-22.2815	-0.0065	0.0058	1.1
2	Delta-E	-40.2436	0.0026	0.0051	0.5
	Delta-U	-1.7478	0.0097	0.0085	1.1
	Length	46.0334			
(V169 Day299(1) 16:47 00006620.ssf)					
2886	Delta-N	-50.0278	-0.0068	0.0057	1.2
3	Delta-E	-193.2660	0.0003	0.0062	0.1
	Delta-U	-11.8384	0.0115	0.0124	0.9
	Length	199.9866			

(V170 Day299(1) 17:00 00006624.ssf)					
2158	Delta-N	-610.2022	-0.0009	0.0059	0.2
1A	Delta-E	-4947.1603	-0.0024	0.0053	0.5
	Delta-U	-25.2491	0.0046	0.0088	0.5
	Length	4984.7145			
(V171 Day299(1) 17:00 00006628.ssf)					
2158	Delta-N	-640.4722	-0.0054	0.0058	0.9
2	Delta-E	-4950.1548	-0.0012	0.0054	0.2
	Delta-U	-23.1621	0.0044	0.0095	0.5
	Length	4991.4701			
(V172 Day299(1) 17:00 00006632.ssf)					
2158	Delta-N	-668.0868	-0.0036	0.0054	0.7
3	Delta-E	-5103.1930	0.0078	0.0058	1.3
	Delta-U	-33.3730	-0.0034	0.0109	0.3
	Length	5146.8468			
(V173 Day299(0) 16:30 00006636.ssf)					
2	Delta-N	-27.7473	0.0014	0.0074	0.2
3	Delta-E	-153.0222	0.0043	0.0059	0.7
	Delta-U	-10.0895	-0.0210	0.0142	1.5
	Length	155.8445			
(V174 Day299(2) 17:59 00006640.ssf)					
2155	Delta-N	-1718.1554	0.0024	0.0053	0.5
1A	Delta-E	1744.3801	0.0066	0.0050	1.3
	Delta-U	-78.9994	-0.0078	0.0087	0.9
	Length	2449.7267			
(V175 Day299(2) 17:59 00006644.ssf)					
2155	Delta-N	-1748.4293	0.0060	0.0056	1.1
2	Delta-E	1741.4231	0.0062	0.0048	1.3
	Delta-U	-76.9146	0.0086	0.0086	1.0
	Length	2468.9016			
(V176 Day299(2) 17:59 00006648.ssf)					
2155	Delta-N	-1776.2203	0.0041	0.0052	0.8
3	Delta-E	1588.4065	0.0044	0.0049	0.9
	Delta-U	-86.9701	-0.0048	0.0082	0.6
	Length	2384.4407			
(V177 Day299(2) 18:07 00006652.ssf)					
2887	Delta-N	-2229.5891	0.0025	0.0057	0.4
1A	Delta-E	-92.8805	-0.0022	0.0050	0.4
	Delta-U	62.1311	0.0030	0.0093	0.3
	Length	2232.3876			
(V178 Day299(2) 18:07 00006656.ssf)					
2887	Delta-N	-2259.8622	0.0028	0.0061	0.5
2	Delta-E	-95.8479	-0.0026	0.0047	0.6
	Delta-U	64.2127	0.0039	0.0090	0.4
	Length	2262.8052			
(V179 Day299(2) 18:07 00006660.ssf)					
2887	Delta-N	-2287.6034	0.0016	0.0064	0.2
3	Delta-E	-248.8704	-0.0048	0.0048	1.0
	Delta-U	54.1110	0.0009	0.0100	0.1
	Length	2301.7371			
(V180 Day299(3) 19:22 00006664.ssf)					
2886	Delta-N	7.9909	-0.0007	0.0053	0.1
1A	Delta-E	-37.2765	0.0027	0.0065	0.4
	Delta-U	-3.8400	-0.0022	0.0110	0.2
	Length	38.3163			
(V181 Day299(3) 19:22 00006668.ssf)					
2886	Delta-N	-22.2815	-0.0003	0.0075	0.0
2	Delta-E	-40.2436	-0.0014	0.0055	0.3
	Delta-U	-1.7478	-0.0033	0.0100	0.3
	Length	46.0334			
(V182 Day299(0) 17:22 00006672.ssf)					
1A	Delta-N	-58.0197	0.0010	0.0094	0.1
3	Delta-E	-155.9891	0.0003	0.0047	0.1
	Delta-U	-7.9976	-0.0006	0.0153	0.0
	Length	166.6218			

(V183 Day299(3) 20:00 00006676.ssf)

2158	Delta-N	-610.2022	-0.0071	0.0066	1.1
1A	Delta-E	-4947.1603	-0.0028	0.0055	0.5
	Delta-U	-25.2491	-0.0029	0.0110	0.3
	Length	4984.7145			

(V184 Day299(3) 20:00 00006680.ssf)

2158	Delta-N	-640.4722	-0.0094	0.0063	1.5
2	Delta-E	-4950.1548	-0.0036	0.0053	0.7
	Delta-U	-23.1621	-0.0044	0.0104	0.4
	Length	4991.4701			

GPS Vector Residual Summary (Meters)

From	To	N	E	Up	2D	3D	Length	VectID
1487	2161	-0.002	-0.004	0.015	0.004	0.016	26044	1
1487	2160	-0.001	0.006	0.015	0.006	0.016	24209	2
8870	2160	-0.001	0.007	-0.001	0.007	0.007	3630	3
8207	8870	0.002	-0.006	-0.012	0.006	0.013	15061	4
2161	2160	-0.004	-0.005	-0.008	0.006	0.010	8163	5
1487	2160	-0.007	0.001	-0.007	0.007	0.010	24209	6
8207	2161	0.004	-0.000	0.004	0.004	0.006	7931	7
1487	2160	0.001	0.000	-0.005	0.001	0.005	24209	8
1487	8275	0.006	0.002	-0.015	0.006	0.016	30259	9
8207	8275	0.001	-0.001	-0.001	0.001	0.002	9138	10
8207	2161	0.001	-0.001	-0.001	0.001	0.001	7931	11
2161	8275	0.001	-0.002	0.004	0.002	0.005	4236	12
8894	8275	-0.005	-0.002	0.000	0.006	0.006	14090	13
8870	2161	-0.004	0.004	-0.016	0.006	0.017	7140	14
8870	8275	-0.000	-0.000	-0.018	0.000	0.018	8411	15
8894	2164	0.004	-0.004	0.008	0.005	0.010	6242	16
2136	8894	-0.005	0.002	-0.013	0.006	0.014	5784	17
8894	8870	0.001	0.013	0.003	0.013	0.014	7502	18
2136	2164	-0.002	-0.002	-0.000	0.003	0.003	5170	19
8894	2164	-0.002	-0.005	-0.005	0.005	0.007	6242	20
2160	2164	-0.004	0.012	-0.009	0.013	0.016	5637	21
2133	2163	0.005	0.007	-0.007	0.009	0.011	7601	22
2133	2164	0.005	0.000	-0.018	0.005	0.019	9846	23
8894	2163	0.006	-0.000	0.005	0.006	0.008	5235	24
2160	2164	0.003	0.002	-0.006	0.004	0.007	5637	25
2133	8894	-0.001	0.004	0.008	0.004	0.009	5272	26
2133	2163	-0.001	-0.002	0.003	0.002	0.003	7601	27
2133	2164	0.001	0.002	0.013	0.002	0.013	9846	28
8275	2163	0.000	-0.008	-0.011	0.008	0.013	12819	29
8894	8275	-0.002	0.002	0.001	0.003	0.003	14090	30
2136	8894	-0.003	0.008	0.010	0.008	0.013	5784	31
2136	2133	-0.003	0.001	0.012	0.003	0.012	6088	32
2136	2133	0.000	-0.003	0.007	0.003	0.008	6088	33
2133	2162	-0.001	0.000	0.002	0.001	0.002	6671	34
2162	2163	-0.004	0.003	0.004	0.005	0.006	5968	35
2133	2162	0.003	0.001	-0.003	0.003	0.004	6671	36
2162	2159	0.007	-0.001	-0.005	0.007	0.009	8604	37
2159	2157	0.004	-0.007	0.004	0.008	0.009	11126	38
2136	2157	0.010	-0.009	-0.022	0.013	0.026	5598	39
2133	2159	0.003	-0.008	-0.005	0.008	0.010	6290	40
2159	2157	-0.011	0.005	0.003	0.012	0.013	11126	41
1823	2159	-0.002	0.004	0.011	0.004	0.012	6915	42
2157	2158	0.004	-0.009	-0.011	0.009	0.015	4827	43
1823	2158	-0.011	-0.002	0.007	0.011	0.013	9181	44
1823	2159	-0.016	0.001	0.007	0.016	0.018	6915	45
2133	2159	-0.010	-0.003	-0.013	0.010	0.017	6290	46
2133	2158	-0.000	-0.007	-0.005	0.007	0.008	9895	47
2159	2158	-0.001	-0.000	0.005	0.001	0.005	8640	48
2155	2154	0.002	-0.003	-0.004	0.004	0.005	10496	49
2158	2155	0.003	-0.001	0.006	0.003	0.006	6781	50
1823	2155	0.006	0.006	0.005	0.009	0.010	6646	51
1823	2155	0.002	-0.005	0.002	0.006	0.006	6646	52

2155	2156	-0.002	-0.007	0.004	0.007	0.008	13541	53
1823	2156	0.004	-0.005	0.013	0.006	0.015	12022	54
1823	1927	0.004	0.004	0.009	0.006	0.011	7372	55
2156	1927	-0.005	0.012	-0.000	0.013	0.013	5992	56
2156	2154	-0.010	0.011	0.007	0.015	0.016	7346	57
2155	2154	0.009	-0.011	0.000	0.014	0.014	10496	58
2156	1927	-0.007	0.004	0.001	0.008	0.008	5992	59
2154	2153	0.009	0.000	0.001	0.009	0.009	6790	60
1885	1927	0.008	-0.006	-0.017	0.009	0.019	2766	61
1885	2154	0.014	-0.005	-0.009	0.015	0.017	8163	62
1885	2155	0.014	0.013	-0.004	0.019	0.019	10790	63
2154	2156	-0.004	-0.006	0.004	0.007	0.008	7346	64
2130	2153	-0.003	-0.001	0.004	0.004	0.005	8333	65
2130	2165	-0.007	-0.001	0.007	0.007	0.010	8161	66
2165	2156	-0.004	-0.003	-0.001	0.005	0.005	5381	67
2153	2156	-0.007	-0.006	-0.013	0.009	0.016	9636	68
2130	2156	-0.009	-0.002	-0.001	0.010	0.010	12502	69
2156	2165	0.006	0.001	-0.002	0.006	0.006	5381	70
2156	2153	0.008	0.002	0.003	0.009	0.009	9636	71
2111	2130	-0.007	-0.008	0.004	0.011	0.011	9390	72
2111	2153	-0.002	-0.008	-0.010	0.009	0.013	13451	73
2130	2165	-0.003	-0.003	-0.008	0.004	0.009	8161	74
2111	2153	-0.012	-0.006	-0.005	0.014	0.015	13451	75
2130	2153	-0.000	0.001	0.003	0.001	0.003	8333	76
2153	2151	0.023	-0.005	0.026	0.024	0.035	13896	77
2151	2152	-0.006	0.002	-0.006	0.007	0.009	3617	78
2130	2111	0.006	0.006	0.005	0.008	0.009	9390	79
2130	2152	0.013	-0.001	0.008	0.013	0.016	5439	80
2130	2152	0.024	-0.012	-0.024	0.027	0.036	5439	81
2152	2151	0.005	0.001	-0.007	0.005	0.009	3617	82
2111	2151	-0.007	0.004	-0.011	0.008	0.014	7474	83
2111	2152	-0.009	0.000	-0.002	0.009	0.009	10779	84
2150	2151	-0.005	-0.000	0.011	0.005	0.012	8901	85
2111	2144	0.026	0.015	-0.003	0.031	0.031	47427	86
2144	2150	-0.006	-0.003	0.006	0.007	0.009	46073	87
2111	2150	0.007	0.007	-0.010	0.010	0.014	10644	88
2150	2151	-0.012	-0.000	-0.008	0.012	0.015	8901	89
1638	2150	-0.011	0.012	-0.008	0.016	0.018	19750	90
2150	2144	0.006	0.010	0.002	0.012	0.012	46073	91
1638	2144	-0.002	0.011	-0.004	0.012	0.012	38627	92
1638	2150	0.002	0.005	-0.021	0.005	0.021	19750	93
1638	2098	0.004	-0.004	-0.028	0.006	0.028	10635	94
2098	2147	-0.008	0.009	-0.008	0.012	0.014	18456	95
2144	2147	0.002	-0.000	0.001	0.002	0.002	21906	96
1638	2098	0.008	-0.001	0.002	0.008	0.008	10635	97
1638	2147	-0.003	0.006	-0.012	0.007	0.014	16736	98
2147	2144	-0.001	0.006	0.001	0.006	0.007	21906	99
2150	2147	0.008	0.001	-0.004	0.008	0.009	28176	100
2098	2147	-0.002	0.001	-0.013	0.003	0.013	18456	101
1638	2147	0.001	0.012	-0.004	0.012	0.012	16736	102
2147	2145	-0.000	0.002	0.004	0.002	0.005	12310	103
2100	2145	-0.009	-0.000	0.000	0.009	0.009	32567	104
2098	2100	-0.000	-0.000	-0.007	0.000	0.007	4813	105
2098	2145	0.014	-0.004	0.007	0.014	0.016	29381	106
2098	2149	0.008	-0.002	-0.009	0.008	0.012	15514	107
2098	2100	0.001	-0.003	0.012	0.003	0.013	4813	108
2098	2148	-0.000	-0.006	-0.006	0.006	0.009	15586	109
1779	2149	-0.004	0.006	0.002	0.007	0.007	15774	110
2148	2145	0.003	0.005	-0.008	0.006	0.010	13888	111
2100	2149	0.002	-0.004	0.007	0.004	0.008	10846	112
2100	2148	0.006	-0.005	0.009	0.008	0.012	19159	113
2149	2148	-0.001	0.003	0.017	0.003	0.017	27010	114
2098	2148	-0.011	0.012	0.024	0.016	0.029	15586	115
1779	2143	-0.009	0.014	-0.019	0.016	0.025	45831	116
1779	2146	-0.008	0.013	-0.007	0.015	0.017	40329	117
1779	2149	-0.008	0.003	0.015	0.008	0.017	15774	118

1779	2148	-0.012	0.005	0.000	0.013	0.013	40714	119
1779	2143	-0.010	0.011	0.012	0.015	0.019	45831	120
2143	2146	0.001	0.001	-0.001	0.002	0.002	14455	121
2146	2147	0.002	-0.008	0.001	0.008	0.008	11667	122
2143	2146	-0.000	-0.003	0.000	0.003	0.003	14455	123
2143	2147	0.002	-0.003	0.004	0.004	0.006	25360	124
2148	2147	-0.006	-0.004	0.013	0.007	0.015	4059	125
2148	2146	-0.007	0.005	0.012	0.008	0.015	9870	126
2145	2146	0.002	-0.006	0.002	0.006	0.006	10156	127
8597	2146	0.007	-0.012	0.006	0.014	0.015	11908	128
8597	2146	0.004	-0.005	-0.003	0.006	0.007	11908	129
8597	2142	0.005	-0.005	0.005	0.006	0.008	6981	130
8597	2145	-0.003	-0.007	0.003	0.008	0.009	7807	131
2145	2144	-0.000	-0.001	-0.000	0.001	0.001	9648	132
8597	2142	0.003	-0.001	0.002	0.003	0.004	6981	133
8597	2144	-0.002	-0.005	0.003	0.006	0.006	6813	134
8597	2144	0.001	-0.006	-0.001	0.006	0.006	6813	135
2144	2141	0.003	0.007	-0.004	0.007	0.009	16986	136
2142	2141	0.003	0.002	0.000	0.004	0.004	7101	137
8472	2144	0.000	-0.007	0.005	0.007	0.009	38406	138
8472	2142	0.007	-0.003	0.002	0.007	0.008	44677	139
8472	2141	0.004	-0.001	0.001	0.004	0.004	43667	140
2137	2144	-0.010	-0.011	-0.006	0.015	0.016	17214	141
2137	2142	-0.007	-0.009	-0.005	0.011	0.012	5624	142
2137	8472	-0.002	-0.013	-0.035	0.013	0.038	47632	143
2137	2141	-0.010	-0.008	0.002	0.013	0.013	4704	144
8472	2144	-0.012	0.000	-0.011	0.012	0.016	38406	145
2144	2142	0.006	-0.000	-0.007	0.006	0.009	11653	146
8597	8472	-0.000	-0.010	0.023	0.010	0.025	44346	147
8597	2143	-0.003	-0.014	0.002	0.015	0.015	10021	148
2143	2142	-0.009	0.006	-0.003	0.011	0.011	4493	149
2144	2142	0.002	0.006	0.002	0.006	0.006	11653	150
2155	2886	-0.007	0.005	0.004	0.008	0.009	2482	151
2886	2887	0.005	-0.003	0.001	0.006	0.006	2239	152
2886	2887	0.001	-0.009	-0.010	0.009	0.013	2239	153
2155	2887	-0.001	-0.001	0.002	0.001	0.002	1912	156
2158	2886	0.009	-0.002	-0.018	0.009	0.020	4949	157
2158	2887	0.015	-0.005	0.003	0.016	0.016	5116	158
2887	2886	-0.001	0.005	-0.006	0.005	0.008	2239	159
2155	1A	0.001	-0.000	0.007	0.001	0.008	2450	160
2155	2	-0.001	-0.002	0.013	0.002	0.014	2469	161
2155	3	-0.000	-0.003	0.011	0.003	0.012	2384	162
1A	2	-0.001	0.001	0.002	0.002	0.002	30	163
2887	1A	0.004	-0.002	-0.007	0.005	0.008	2232	164
2887	2	0.002	-0.004	0.001	0.005	0.005	2263	165
2887	3	0.003	-0.005	-0.001	0.005	0.006	2302	166
2886	1A	-0.003	0.003	0.009	0.004	0.010	38	167
2886	2	-0.007	0.003	0.010	0.007	0.012	46	168
2886	3	-0.007	0.000	0.011	0.007	0.013	200	169
2158	1A	-0.001	-0.002	0.005	0.003	0.005	4985	170
2158	2	-0.005	-0.001	0.004	0.006	0.007	4991	171
2158	3	-0.004	0.008	-0.003	0.009	0.009	5147	172
2	3	0.001	0.004	-0.021	0.005	0.021	156	173
2155	1A	0.002	0.007	-0.008	0.007	0.011	2450	174
2155	2	0.006	0.006	0.009	0.009	0.012	2469	175
2155	3	0.004	0.004	-0.005	0.006	0.008	2384	176
2887	1A	0.003	-0.002	0.003	0.003	0.004	2232	177
2887	2	0.003	-0.003	0.004	0.004	0.005	2263	178
2887	3	0.002	-0.005	0.001	0.005	0.005	2302	179
2886	1A	-0.001	0.003	-0.002	0.003	0.004	38	180
2886	2	-0.000	-0.001	-0.003	0.001	0.004	46	181
1A	3	0.001	0.000	-0.001	0.001	0.001	167	182
2158	1A	-0.007	-0.003	-0.003	0.008	0.008	4985	183
2158	2	-0.009	-0.004	-0.004	0.010	0.011	4991	184

Adjusted Bearings (DMS) and Horizontal Distances (Meters)

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(Relative Confidence of Bearing is in Seconds)

From	To	Grid Bearing	Grid Dist Grnd Dist	95% RelConfidence Brg Dist PPM
1	2	S07-27-19.50W	30.4032 30.4063	33.86 0.0043 140.3273
1	2886	S76-03-06.66E	38.1228 38.1267	26.41 0.0047 123.0966
1	1A	N29-51-22.09E	0.0120 0.0120	112084.64 0.0049 406437.7355
2	3	S81-35-20.37W	155.5016 155.5176	6.98 0.0044 28.1012
2	20	S25-08-26.01W	92.4724 92.4820	12.83 0.0050 53.7259
2	2155	N43-00-03.30W	2467.4450 2467.7159	0.40 0.0048 1.9543
2	2158	N84-26-42.32E	4990.8954 4991.4207	0.23 0.0049 0.9797
2	2886	N62-53-40.04E	45.9954 46.0001	15.25 0.0028 61.8980
2	2887	N04-17-39.74E	2261.6570 2261.8806	0.39 0.0050 2.2018
3	4	S57-41-20.09W	54.4180 54.4235	21.64 0.0052 95.9329
20	21	S75-05-07.48W	56.2202 56.2260	13.95 0.0047 84.0509
21	3	N38-35-54.35W	96.5233 96.5332	12.84 0.0051 52.4726
22	3	S41-01-16.11E	201.9487 201.9692	14.34 0.0058 28.9278
22	5	N63-10-19.75E	106.0630 106.0737	18.80 0.0053 50.4204
22	6	S11-44-22.68W	39.7709 39.7750	25.52 0.0052 130.3484
22	23	S62-06-49.66E	90.9208 90.9300	15.44 0.0048 52.4226
23	3	S25-24-43.51E	121.6043 121.6167	15.24 0.0055 44.9900
23	24	N81-02-18.01E	76.7497 76.7575	13.01 0.0050 64.5998
24	2886	S65-28-23.32E	188.1179 188.1372	9.94 0.0067 35.7145
1487	2160	N23-19-04.69W	24208.0417 24209.2459	0.08 0.0103 0.4245
1487	2161	N05-05-31.42W	26042.7150 26044.0036	0.08 0.0120 0.4596
1487	8275	N04-13-49.72W	30257.3137 30258.8249	0.07 0.0115 0.3800
1638	2098	N68-18-09.89W	10634.0515 10634.6340	0.18 0.0074 0.6978
1638	2144	S28-28-24.80W	38624.4654 38626.6548	0.03 0.0055 0.1429
1638	2147	S30-11-22.18W	16733.8425 16734.9991	0.07 0.0066 0.3939
1638	2150	S70-35-56.62E	19748.4402 19749.6429	0.08 0.0066 0.3330
1779	2143	S06-09-07.35E	45828.1657 45830.6699	0.04 0.0094 0.2061
1779	2146	S24-02-18.11E	40326.1637 40328.5523	0.04 0.0097 0.2395
1779	2148	S38-01-05.76E	40710.9072 40713.4386	0.05 0.0096 0.2355
1779	2149	S61-37-42.13E	15773.0576 15773.8104	0.13 0.0091 0.5763

1823	1927	N53-49-13.24W	7370.9786 7371.4267	0.28	0.0089	1.2013
1823	2155	S14-56-37.89W	6637.4329 6638.0388	0.19	0.0074	1.1083
1823	2156	N76-58-31.37W	12020.9971 12021.7905	0.14	0.0068	0.5662
1823	2158	S32-33-34.71E	9176.6591 9177.4557	0.16	0.0074	0.8057
1823	2159	N84-21-56.55E	6914.3186 6914.7601	0.27	0.0076	1.0975
1885	1927	N45-17-15.23E	2765.8804 2766.0330	0.60	0.0086	3.1235
1885	2154	S30-28-35.28W	8156.7879 8157.4287	0.18	0.0082	1.0095
1885	2155	S35-07-34.21E	10781.7402 10782.6635	0.14	0.0071	0.6612
1927	2156	S74-05-37.41W	5991.5115 5991.8739	0.30	0.0078	1.3093
2098	2100	N42-32-37.06W	4813.0816 4813.3502	0.35	0.0096	1.9989
2098	2145	S09-26-01.52W	29379.0311 29380.8979	0.06	0.0109	0.3705
2098	2147	S04-33-21.26E	18453.9228 18455.2122	0.08	0.0089	0.4821
2098	2148	S05-09-09.38W	15584.1789 15585.2219	0.11	0.0092	0.5908
2098	2149	N54-17-00.88W	15513.2986 15514.1135	0.13	0.0095	0.6126
2100	2145	S02-44-51.39W	32565.2387 32567.3273	0.07	0.0129	0.3961
2100	2148	S05-33-21.52E	19157.3021 19158.5934	0.11	0.0116	0.6072
2100	2149	N59-27-51.91W	10845.2075 10845.7815	0.22	0.0118	1.0864
2111	2130	N57-59-46.66E	9388.8105 9389.5097	0.18	0.0087	0.9214
2111	2144	S66-29-05.19W	47423.5318 47426.7764	0.04	0.0093	0.1956
2111	2150	N37-15-38.67W	10643.1113 10643.9135	0.19	0.0078	0.7359
2111	2151	N18-19-13.26E	7473.2983 7473.8778	0.24	0.0099	1.3250
2111	2152	N27-41-37.40E	10777.1301 10777.8725	0.18	0.0106	0.9809
2111	2153	S84-13-43.04E	13449.8905 13450.9233	0.14	0.0081	0.6022
2130	2152	N32-53-24.23W	5438.4282 5438.7591	0.33	0.0096	1.7620
2130	2153	S40-34-41.64E	8332.0393 8332.6145	0.18	0.0074	0.8824
2130	2156	N89-02-59.89E	12501.5409 12502.3663	0.12	0.0065	0.5228
2130	2165	N70-56-46.06E	8160.5131 8161.0090	0.19	0.0071	0.8678
2133	2136	S12-08-24.33E	6086.9469 6087.3673	0.22	0.0072	1.1892
2133	2158	S51-57-29.78W	9889.8216 9890.6602	0.17	0.0075	0.7603
2133	2159	N68-22-00.28W	6289.6286 6290.0182	0.28	0.0077	1.2242
2133	2162	N14-46-19.50E	6670.1045 6670.4960	0.24	0.0079	1.1836
2133	2163	N63-40-50.73E	7600.1849 7600.6310	0.25	0.0090	1.1827
2133	2164	S38-37-40.24E	9836.7762 9837.6934	0.15	0.0069	0.7055

2133	8894	S72-50-50.38E	5271.5344	0.26	0.0058	1.1071
			5271.8655			
2136	2157	S61-55-57.45W	5590.3873	0.36	0.0088	1.5752
			5590.9269			
2136	2164	S70-22-04.88E	5160.5821	0.34	0.0074	1.4267
			5161.0960			
2136	8894	N40-31-02.50E	5782.8108	0.24	0.0070	1.2071
			5783.2115			
2137	2141	S12-31-42.72W	4703.9399	0.32	0.0080	1.7063
			4704.2199			
2137	2142	S73-51-26.56E	5623.6096	0.24	0.0057	1.0089
			5623.9322			
2137	2144	S66-49-10.35E	17213.3243	0.07	0.0050	0.2922
			17214.3149			
2137	8472	S18-28-56.59E	47630.1165	0.04	0.0101	0.2121
			47631.7175			
2141	2142	N64-45-14.38E	7100.4958	0.23	0.0075	1.0571
			7100.9111			
2141	2144	S82-36-47.48E	16985.0549	0.09	0.0071	0.4169
			16986.0504			
2141	8472	S21-39-50.28E	43665.8187	0.05	0.0104	0.2376
			43667.3176			
2142	2143	N35-28-21.04W	4492.7220	0.33	0.0074	1.6577
			4492.9819			
2142	2144	S63-25-46.43E	11652.4757	0.11	0.0060	0.5134
			11653.1365			
2142	8472	S12-32-12.56E	44675.0829	0.04	0.0099	0.2224
			44676.5431			
2142	8597	N84-39-44.97E	6980.9333	0.19	0.0057	0.8183
			6981.3497			
2143	2146	N52-49-00.29E	14453.8982	0.12	0.0077	0.5301
			14454.8355			
2143	2147	N65-14-53.34E	25358.1764	0.07	0.0074	0.2931
			25359.9777			
2143	8597	S72-31-20.77E	10020.4434	0.15	0.0066	0.6621
			10021.0549			
2144	2145	N22-40-10.52E	9647.4057	0.17	0.0098	1.0110
			9648.0197			
2144	2147	N27-09-45.77E	21903.8592	0.06	0.0075	0.3407
			21905.4085			
2144	2150	N53-31-00.54E	46069.5956	0.03	0.0078	0.1698
			46072.4627			
2144	8472	S01-04-50.41W	38404.5876	0.04	0.0087	0.2253
			38405.8483			
2144	8597	N30-38-01.21W	6812.2003	0.16	0.0054	0.7868
			6812.6099			
2145	2146	N31-00-28.48W	10155.6233	0.19	0.0099	0.9718
			10156.3370			
2145	2147	N30-40-58.07E	12309.3260	0.13	0.0091	0.7363
			12310.2722			
2145	2148	N14-14-21.22E	13887.1512	0.13	0.0107	0.7679
			13888.1805			
2145	8597	S67-04-31.34W	7805.9324	0.24	0.0080	1.0298
			7806.4507			
2146	2147	N80-43-02.52E	11665.7632	0.15	0.0072	0.6164
			11666.6604			
2146	2148	N61-11-21.36E	9869.2195	0.20	0.0099	1.0006
			9869.9514			
2146	8597	S09-27-47.52W	11906.9483	0.11	0.0080	0.6715
			11907.7451			
2147	2148	N44-54-37.06W	4058.6806	0.46	0.0077	1.8916
			4059.0084			
2147	2150	N73-42-23.79E	28173.3824	0.06	0.0078	0.2769
			28175.5017			
2148	2149	N24-29-27.39W	27007.4055	0.08	0.0111	0.4104
			27009.1423			

2150	2151	S81-06-16.11E	8899.9275 8900.5523	0.18	0.0072	0.8122
2151	2152	N47-22-16.07E	3614.7019 3614.9324	0.46	0.0076	2.0992
2151	2153	S52-33-39.30E	13895.0035 13896.0026	0.14	0.0092	0.6608
2153	2154	S83-14-47.70E	6786.5833 6787.1708	0.29	0.0083	1.2196
2153	2156	N47-17-21.79E	9635.3512 9636.0130	0.15	0.0069	0.7140
2154	2155	S80-11-15.63E	10494.0965 10495.2371	0.19	0.0079	0.7525
2154	2156	N02-39-28.65E	7341.5958 7342.2118	0.20	0.0084	1.1374
2155	3	S39-55-15.62E	2382.6085 2382.8682	0.46	0.0054	2.2605
2155	2156	N47-37-44.12W	13535.7130 13536.9430	0.11	0.0069	0.5081
2155	2158	S78-45-41.53E	6780.2952 6781.0506	0.18	0.0051	0.7506
2155	2886	S44-01-22.07E	2480.4368 2480.7095	0.42	0.0054	2.1945
2155	2887	N76-19-19.14E	1906.2380 1906.4380	0.66	0.0052	2.7271
2156	2165	N62-49-45.81W	5380.0969 5380.4222	0.29	0.0072	1.3402
2157	2158	N58-59-04.23W	4826.0047 4826.5469	0.36	0.0087	1.7959
2157	2159	N11-22-46.68W	11118.4855 11119.4829	0.16	0.0096	0.8598
2158	3	S84-21-31.77W	5146.2097 5146.7472	0.26	0.0055	1.0692
2158	2159	N12-59-57.70E	8634.4967 8635.2249	0.18	0.0088	1.0147
2158	2886	S84-38-26.61W	4948.1443 4948.6657	0.26	0.0051	1.0223
2158	2887	N69-43-41.43W	5114.9244 5115.4381	0.26	0.0055	1.0785
2159	2162	N61-18-24.19E	8603.8419 8604.3412	0.25	0.0095	1.1055
2160	2161	N62-58-19.99E	8162.3382 8162.7855	0.26	0.0095	1.1599
2160	2164	N83-39-17.22W	5619.4284 5619.9316	0.37	0.0083	1.4704
2160	8870	N02-05-05.70E	3630.1243 3630.3235	0.47	0.0094	2.6029
2161	8207	S86-38-51.67E	7930.1647 7930.6126	0.25	0.0077	0.9694
2161	8275	N01-04-27.41E	4235.6845 4235.9154	0.36	0.0088	2.0692
2161	8870	S89-20-47.36W	7139.2972 7139.6844	0.31	0.0086	1.2096
2162	2163	S58-55-46.46E	5967.8033 5968.1304	0.39	0.0099	1.6664
2163	8275	S73-04-37.79E	12818.7669 12819.4677	0.20	0.0100	0.7793
2163	8894	S19-49-28.04W	5234.6092 5234.9182	0.34	0.0109	2.0762
2164	8894	N10-12-21.91W	6228.5394 6229.1223	0.21	0.0071	1.1439
2886	3	S77-21-12.84W	199.6154 199.6359	6.49	0.0045	22.5966
2886	2887	N03-17-21.28E	2238.0374 2238.2589	0.41	0.0053	2.3738
2887	3	S08-04-28.47W	2300.8636 2301.0892	0.44	0.0060	2.5933

8207	8275	N59-03-21.09W	9137.7692	0.20	0.0082	0.8933
			9138.2875			
8207	8870	N88-32-43.59W	15060.2805	0.14	0.0086	0.5705
			15061.1288			
8275	8870	S59-07-17.08W	8410.3576	0.23	0.0084	0.9959
			8410.8158			
8275	8894	S85-08-33.28W	14089.5495	0.12	0.0071	0.5063
			14090.3770			
8472	8597	N03-33-04.82W	44344.4198	0.04	0.0101	0.2283
			44346.0241			
8870	8894	N65-23-46.15W	7501.8033	0.26	0.0084	1.1250
			7502.2434			
1A	2	S07-27-50.59W	30.4143	30.95	0.0044	144.8512
			30.4175			
1A	3	S71-27-50.88W	166.4127	7.27	0.0051	30.5256
			166.4297			
1A	2155	N43-32-59.59W	2448.1972	0.42	0.0052	2.1150
			2448.4656			
1A	2158	N84-47-08.65E	4984.1320	0.24	0.0052	1.0467
			4984.6557			
1A	2886	S76-02-04.06E	38.1195	25.92	0.0048	124.7363
			38.1234			
1A	2887	N04-15-04.28E	2231.2898	0.45	0.0054	2.4301
			2231.5100			

Traverse Closures of Unadjusted Observations

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(Beginning and Ending on Adjusted Stations)

(Unadjusted Bearings and Distances Shown Reduced to Grid)

TRAVERSE 1: SCHREINER

Error Angular = 24.83 Sec, 8 Angles, 3.10 Sec/Angle

Error Linear = 0.0333 N, 0.0068 E, -0.0294 Vert

Horiz Precision = 0.0340 Error in 802.9503, 1:23649, 42.28 PPM

From	To	Unadj Bearing	Unadj Dist	Unadj Elev Diff
2	2886	N62-53-40.04E BS		
2	20	S25-08-37.72W	92.4713	-0.8601
20	21	S75-05-25.88W	56.2204	-1.3383
21	3	N38-35-38.62W	96.5246	-7.8995
3	22	N41-01-05.21W	201.9491	-6.2053
22	23	S62-06-46.56E	90.9203	1.0783
23	24	N81-02-10.67E	76.7493	2.6656
24	2886	S65-28-34.64E	188.1152	14.2802
2886	2	S62-53-40.04W FS		

Error Propagation

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Station Coordinate Standard Deviations (Meters)

Station	N	E	Elev
1	0.003811	0.003537	0.005510
2	0.003486	0.003036	0.005182
3	0.003682	0.003168	0.005538
4	0.004512	0.003853	0.006040
5	0.005130	0.006730	0.008508
6	0.006650	0.004855	0.007812
20	0.003861	0.003797	0.005781
21	0.003877	0.003969	0.005854
22	0.006135	0.005286	0.007539
23	0.004794	0.004416	0.007099
24	0.004266	0.004443	0.007353
1487	0.005141	0.004387	0.011308
1638	0.000000	0.000000	0.000000
1779	0.003385	0.002654	0.011596
1823	0.003252	0.002810	0.000000
1885	0.000000	0.000000	0.000000
1927	0.003710	0.003083	0.006292
2098	0.003765	0.003038	0.008489
2100	0.004930	0.004071	0.010142
2111	0.003528	0.003318	0.006798
2130	0.002967	0.002670	0.006374
2133	0.002745	0.002383	0.005429
2136	0.002994	0.002614	0.006484
2137	0.000000	0.000000	0.010174
2141	0.003271	0.002967	0.007474
2142	0.002616	0.002321	0.005228
2143	0.002959	0.002657	0.005323
2144	0.002279	0.002043	0.005291
2145	0.003855	0.003038	0.006970
2146	0.003266	0.002658	0.005906
2147	0.002729	0.002259	0.005279
2148	0.003848	0.003267	0.007274
2149	0.004594	0.003773	0.011012
2150	0.003054	0.002685	0.005579
2151	0.003728	0.003409	0.006699
2152	0.004164	0.003754	0.007453
2153	0.002971	0.002608	0.006497
2154	0.003404	0.002920	0.006842
2155	0.003143	0.002701	0.004527
2156	0.000000	0.000000	0.005335
2157	0.004056	0.003712	0.006589
2158	0.003300	0.002858	0.004861
2159	0.003776	0.003222	0.005844
2160	0.004127	0.003481	0.008169
2161	0.004395	0.003745	0.007979
2162	0.004055	0.003712	0.007474
2163	0.004381	0.003560	0.009212
2164	0.002947	0.002595	0.007149
2165	0.003177	0.002892	0.007060
2886	0.003648	0.003093	0.005233
2887	0.003747	0.003179	0.005492
8207	0.004488	0.003909	0.007444
8275	0.003266	0.002904	0.007255
8472	0.004132	0.003875	0.012486
8597	0.000000	0.000000	0.000000
8870	0.003938	0.003357	0.007667
8894	0.000000	0.000000	0.006444
1A	0.003556	0.003131	0.005372

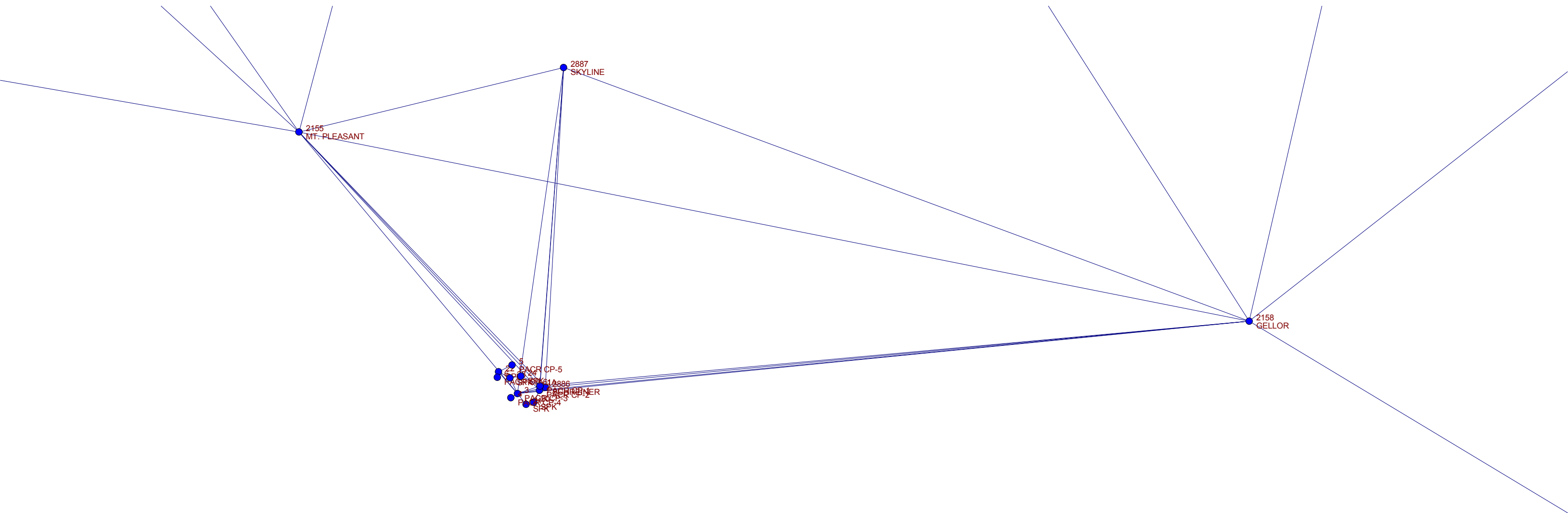
Station Coordinate Error Ellipses (Meters)
Confidence Region = 95%

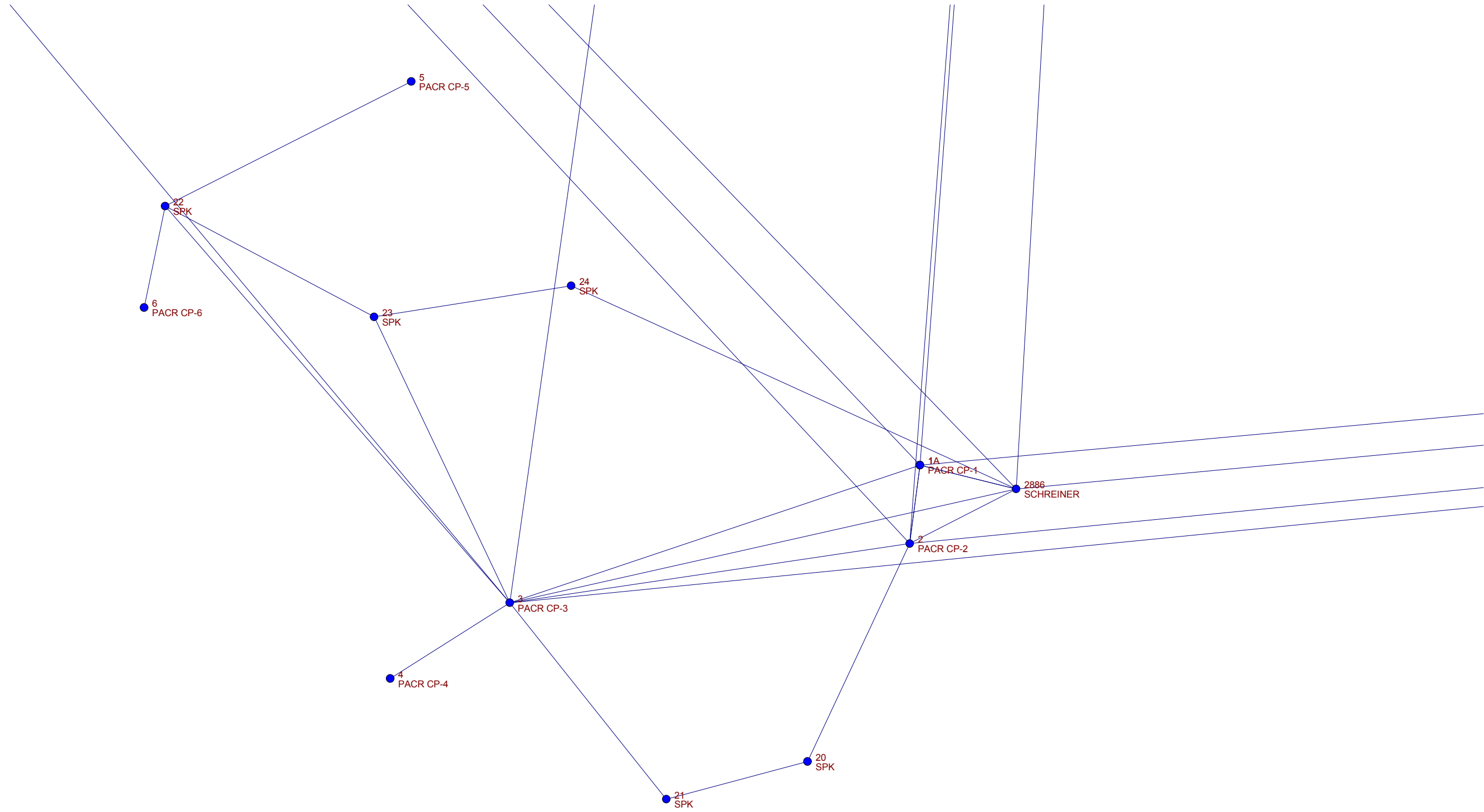
Station	Semi-Major Axis	Semi-Minor Axis	Azimuth of Major Axis	Elev
1	0.009344	0.008641	171-05	0.010800
2	0.008548	0.007412	7-10	0.010157
3	0.009031	0.007735	6-57	0.010854
4	0.011055	0.009419	175-03	0.011837
5	0.017023	0.011801	69-32	0.016676
6	0.017324	0.010298	25-12	0.015311
20	0.009684	0.009050	37-49	0.011331
21	0.009744	0.009460	108-41	0.011473
22	0.017322	0.009637	36-51	0.014777
23	0.012925	0.009355	37-24	0.013914
24	0.011631	0.009594	51-11	0.014411
1487	0.012589	0.010733	2-48	0.022164
1638	0.000000	0.000000	0-00	0.000000
1779	0.008286	0.006496	1-05	0.022728
1823	0.008022	0.006806	13-39	0.000000
1885	0.000000	0.000000	0-00	0.000000
1927	0.009134	0.007484	10-47	0.012332
2098	0.009283	0.007351	11-26	0.016639
2100	0.012103	0.009922	172-17	0.019878
2111	0.009098	0.007598	34-57	0.013325
2130	0.007262	0.006534	1-45	0.012493
2133	0.006737	0.005812	8-14	0.010640
2136	0.007330	0.006397	1-49	0.012709
2137	0.000000	0.000000	0-00	0.019941
2141	0.008028	0.007238	9-42	0.014648
2142	0.006422	0.005662	9-07	0.010246
2143	0.007257	0.006488	172-12	0.010433
2144	0.005589	0.004987	8-13	0.010370
2145	0.009489	0.007371	9-32	0.013662
2146	0.008004	0.006493	4-44	0.011575
2147	0.006718	0.005481	10-43	0.010348
2148	0.009710	0.007642	23-10	0.014257
2149	0.011248	0.009233	178-20	0.021584
2150	0.007500	0.006546	9-24	0.010934
2151	0.009126	0.008343	1-23	0.013131
2152	0.010201	0.009179	174-16	0.014607
2153	0.007277	0.006376	4-43	0.012733
2154	0.008373	0.007101	10-31	0.013410
2155	0.007740	0.006557	12-02	0.008872
2156	0.000000	0.000000	0-00	0.010456
2157	0.009986	0.009023	165-32	0.012914
2158	0.008087	0.006985	5-20	0.009527
2159	0.009244	0.007884	177-54	0.011454
2160	0.010138	0.008478	8-50	0.016011
2161	0.010764	0.009161	3-35	0.015639
2162	0.009926	0.009086	0-07	0.014648
2163	0.010879	0.008520	15-42	0.018055
2164	0.007249	0.006310	11-51	0.014012
2165	0.007777	0.007078	1-52	0.013837
2886	0.008930	0.007569	1-50	0.010257
2887	0.009211	0.007735	9-46	0.010765
8207	0.010990	0.009564	3-07	0.014590
8275	0.008007	0.007095	6-42	0.014220
8472	0.010126	0.009473	172-12	0.024472
8597	0.000000	0.000000	0-00	0.000000
8870	0.009640	0.008216	2-06	0.015027
8894	0.000000	0.000000	0-00	0.012630
1A	0.008714	0.007653	5-43	0.010529

Elapsed Time = 00:00:02



DATE: 10-26-2013







PACR CP-5



PACR CP-6



PACR CP-1
SCHREINER
PACR CP-2



PACR CP-3



PACR CP-4



Deer Park Rd