Surveying for the Land Subsidence Evaluation of the Upper Agua Fria River Levee's and for the Levee Monitoring Camelback Ranch South Levee, Camelback Ranch North Levee, Glendale Airport Levee, New River Levee's, and for Skunk Creek Levee

FCD Contract No. 99-067, Assignment1

PCN: 403.00.098

September 14, 2000

Prepared for:

Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009

Prepared by:

Premier Engineering Corporation
1600 W. Broadway Road, Suite 165
Tempe, Arizona 85282

Premier Project No. 9952

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Surveying for the Land Subsidence Evaluation of the Upper Agua Fria River Levee's and for the Levee Monitoring Camelback Ranch South Levee, Camelback Ranch North Levee, Glendale Airport Levee, New River Levee's, and for Skunk Creek Levee

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Table of Contents

This Technical Data Notebook contains the following:

1) Notes concerning the project

2) A summary of all the Reference Mark Data required
(contained in two pages, one for task 2 and one for task 6)

3) An overall summary page of all Reference Mark Data

4) A list of References (Enclosures) used throughout the project

5) Technical Data Notebook for the Land Subsidence Evaluation of the Upper Agua Fria Levees (Portions of tasks 3,4,and 5) (380 pages)

6) NAVD88 to NGVD29 Adjustments (90 pages)

7) Final Coordinate List (Arizona State Plane, Central Zone NAD 83 and NAVD 88 Datums) (21 pages)

8) One 3.5" floppy diskette containing all of the Reference Mark Data in Microsoft Excel Computer format as requested

Registered Professional Engineer (Civil)
CERTIFICATE NO.
23170
JEFFREY J.
HOLZMEISTER
Date Signed 9/15/00
ARIZONA, U.S.A.

Notes:

These notes concern the Levee Monitoring Survey Project (FCD Contract No. 99-067)

For the summary page, (previously known elevations, measured elevations, and any differences) all previously known elevation values shown are taken from the attachments included in the scope of service packet. Some of the elevations (Litchfield, Lite, Nort, and the 6 Totalinstalled points) appear to be rounded to the nearest 10ft. These values may change depending on any other data that may be encountered before the final submittal.

The summary and history of Benchmarks 1 and 2 will be included in the final submittal.

Although the data shown for the Reference Marks is on two summary pages, the disk contains the files where the data is stored in individual files as requested.

PREMIER

Subject: **On Call Levee Monitoring Project**
FCD Contract No. 99-067
Task2/Task6 Elevation Summary Page

By: **D Premis**
Date: **Sep-00**
Checked: **J Holzmeister**
Project No.: **9952**

Task2

Reference Mark	Previous Elevation	NGVD 29 Surveyed Elevation	Difference	
LITE	983*	981.124	0	
LITC	1120	1119.442	0.557866	
NORT	1098*	1096.125	0	
1GC1	1220.00	1227.431	7.431415	
1FB1	1140.00	1135.977	4.022585	
1EA1	1070.00	1065.370	4.629955	
4DB1	1020.00	1013.311	6.688887	
4CA4	1020.00	1018.916	1.083682	
4BB1	950.00	956.850	6.849667	
ERM 6	973.58		0	not found
ERM 9	993.98	994.039	0.059249	
ERM 10	979.21	977.704	1.506155	
ERM 11	995.24		0	not found
ERM 12	1016.08	1016.157	0.076709	
ERM 7	982.19	982.057	0.132963	
60+00W R1	1015.24	1015.274	0.034428	
57+00E R1	1015.78	1015.732	0.048415	
184+00W R2	1003.20	1003.088	0.108785	
184+00E R2	1003.35	1003.178	0.170346	
130+00W R2	991.25	991.193	0.059312	
135+00E R2	992.78	992.660	0.120874	
90+09W R2	988.10	988.033	0.067278	
97+06E R3	986.08	985.982	0.09784	
22+90W R3	973.14	972.928	0.211929	
22+90E R3	972.49	972.263	0.22721	
10+00W R3	969.50	969.260	0.240491	
10+00E R3	969.30	969.041	0.258772	

Task6

ERM 14	1014.11	1016.105	1.995	
ERM 15	1017.26	1018.954	1.694	
ERM 17	1026.36	1028.419	2.059	
ERM 19	1036.30	1038.238	1.938	
ERM 20	1042.55		0	not found
RM 6	1014.11	1016.105	1.995	same as ERM 14
RM 7	1017.26	1018.954	1.694	same as ERM 15
RM 9	1033.00	1040.448	7.448	same as RM 10
RM 1	1038.79		0	not found
RM 2	1033.21	1034.822	1.612	
RM 10	1033.00	1040.448	7.448	
RM 8	1076.64	1078.836	2.196	
RM 9	1092.85	1095.193	2.343	
RM 13	1167.59	1169.473	1.883	
RM 25	1073.88	1066.305	7.575	
RM 30	1066.65	1068.827	2.177	
RM 32	1118.34	1120.706	2.366	
RM 33	1121.79		0	not found
RM 35	1138.37	1138.754	0.384	
RM 38	1167.17		0	not found
RM 41	1179.63	1182.691	3.061	
RM 58	1175.05	1176.681	1.631	
RM 3	1034.12	1036.496	2.376	
RM 18	1032.60	1034.884	2.284	

PREMIER

Subject:	On Call Levee Monitoring Project	By:	D Premis
	FCD Contract No. 99-067	Date:	Sep-00
		Checked:	J Holzmeister
	Task 2 - Control and Corner Reference Pts	Project No.:	9952

Task 2
Corners

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC	
1	5	999	0	0	570610.227	896715.08	994.039	0	8	T02N	R01W	35		307	ERM 9	
1	5	999	0	0	575903.306	896580.63	977.704	0	8	T02N	R01W	35		308	ERM 10	
															ERM 11	not found
1	5	999	0	0	575901.202	907217.57	1016.157	0	8	T02N	R01W	26		313	ERM 12	
1	5	999	0	0	570538.917	891474.73	982.057	0	8	T01N	R01W	11		336	ERM 7	

Control Points

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	DESC	
26	5	999	0	0	577826.059	907766.31	1015.274	0	8	60+00W R1	
26	5	999	0	0	579333.319	907433.27	1015.732	0	8	57+00E R1	
26	5	999	0	0	576724.817	901476.74	1003.088	0	8	184+00W R2	
26	5	999	0	0	577830.897	901242.77	1003.178	0	8	184+00E R2	
26	5	999	0	0	574127.707	897186.22	991.193	0	8	130+00W R2	
26	5	999	0	0	575327.31	896846.57	992.660	0	8	135+00E R2	
										ERM 6	not found
26	5	999	0	0	572086.279	893836.51	988.033	0	8	90+09W R2	
26	5	999	0	0	573499.369	893628.92	985.982	0	8	97+06E R3	
26	5	999	0	0	572670.593	887983.43	972.928	0	8	22+90W R3	
26	5	999	0	0	573804.746	887983.13	972.263	0	8	22+90E R3	
26	5	999	0	0	572676.014	886679.31	969.260	0	8	10+00W R3	
26	5	999	0	0	573816.568	886701.01	969.041	0	8	10+00E R3	
6	4	13	0	0	578528.514	882467.39	981.124	0	8	LITE	
6	4	13	0	0	564284.523	917127.28	1119.442	0	8	LITC	
6	4	13	0	0	596852.569	928515.56	1096.125	0	8	NORT	
5	5	999	0	0	611320.77	960917.87	1227.431	0	8	1GC1	
5	5	999	0	0	597120.549	943398.03	1135.977	0	8	1FB1	
5	5	999	0	0	582098.758	928136.97	1065.370	0	8	1EA1	
5	5	999	0	0	566475.503	904907.52	1013.311	0	8	4DB1	
5	5	999	0	0	581188.206	894898.96	1018.916	0	8	4CA4	
5	5	999	0	0	567113.41	880855.47	956.850	0	8	4BB1	

PREMIER

Subject:	On Call Levee Monitoring Project	By:	D Premis
	FCD Contract No. 99-067	Date:	Sep-00
		Checked:	J Holzmeister
	Task 6 - Corner Reference Points	Project No.:	9952

Camelback Ranch South

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC	
1	5	999	0	0	581104.136	907139.4	1016.105	0	8	SCOR SW	T02N	R01E	19		338	RM 6	same as ERM 14
1	5	999	0	0	583588.069	907238.69	1018.954	0	8	QCOR S	T02N	R01E	19		337	RM 7	same as ERM 15
1	5	999	0	0	581104.417	912396.17	1040.448	0	8	SCOR NW	T02N	R01E	18		345	RM 9	same as RM 10
1	5	999	0	0	581104.136	907139.4	1016.105	0	8	SCOR SW	T02N	R01E	19		338	ERM 14	
1	5	999	0	0	583588.069	907238.69	1018.954	0	8	QCOR S	T02N	R01E	19		337	ERM 15	
1	5	999	0	0	578489.578	912410.2	1028.419	0	8	QCOR S	T02N	R01W	13		339	ERM 17	
1	5	999	0	0	575891.982	917711.85	1038.238	0	8	SCOR SW	T02N	R01W	12		340	ERM 19	
																ERM 20	not found
1	5	999	0	0	586208.08	912632.47	1036.496	0	11	SCOR SW	T02N	R01E	17		462	RM 3	
1	5	999	0	0	583597.889	912510.03	1034.884	0	11	QCOR S	T02N	R01E	18		343	RM 18	

Camelback Ranch North

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC	
																RM 1	not found
1	5	999	0	0	586217.785	915267.54	1034.822	0	8	SCOR NE	T02N	R01E	18		344	RM 2	
1	5	999	0	0	581104.417	912396.17	1040.448	0	8	SCOR SW	T02N	R01E	18		345	RM 10	

New River Levee (Bethany Home to Olive)

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC
1	5	999	0	0	591602.643	928323.76	1078.836	0	11	SCOR SW	T03N	R01E	33		357	RM 8
1	5	999	0	0	584964.493	922919.14	1066.305	0	8	SCOR SW	T02N	R01E	5		342	RM 25
1	5	999	0	0	591597.507	923131.27	1068.827	0	8	SCOR SW	T02N	R01E	4		341	RM 30

New River Levee (Olive to Grand)

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC	
1	5	999	0	0	592002.043	933582.57	1095.193	0	11	SCOR SW	T03N	R01E	28		410	RM 9	
1	5	999	0	0	591575.097	938860.86	1120.706	0	11	SCOR SW	T03N	R01E	21		412	RM 32	
																RM 33	not found

New River Levee (Thunderbird to Greenway)

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC	
1	5	999	0	0	596937.905	944323.19	1138.754	0	11	SCOR SW	T03N	R01E	15		413	RM 35	
																RM 38	not found
1	5	999	0	0	602329.506	952250.74	1176.681	0	1	QCOR W	T03N	R01E	11		415	RM 58	

Skunk Creek Levee (Near mouth at 83rd Street)

TYP_LID	HOR_LID	VER_LID	XNAD27	YNAD27	XNAD83	YNAD83	NGVD29	NAVD88	MNT_LID	CNRNAME	TWNSHP	RNG	SCTN	AGENCY	PNTNUM	DESC
1	5	999	0	0	602353.159	954886.51	1182.691	0	8	SCOR SW	T03N	R01E	2		416	RM 41

ENCLOSURES

(A) Sheet G03 of 7 of the Dysart Drain Improvement Project, Channel Improvements, Channel Horizontal Control Plan, by Wood, Patel & Associates, Inc., under Flood Control District Contract No. 94-38.

(B) Sheets 1 of 19 for Reaches 1 and 2 of the Agua Fria River Reach Levee Monitoring by the WLB Group under Flood Control District Contract 98-20, Assignment #2

(C) Sheets Sheet 1 of 14 for Reaches 2 and 3 of the Agua Fria River Reach Levee Monitoring, by the WLB Group under Flood Control District Contract 98-20, Assignment #2.

(D) Sheets 6 to 14 of 45 from the Agua Fria River Floodplain Delineation Re-Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 95-5. These show the locations and descriptions for the ERM's.

(E) Sheet 7, 9 and 10 of 34 of the As Built drawings of the Camelback Ranch South Levee, prepared by DMJM Arizona Inc for the Flood Control District project FCD 97-18. These show stationing, structures and assumed locations of Levee monitoring sites.

(F) Sheet 7, &12 to 14 of 35 of the As Built drawings of the Camelback Ranch North, Glendale Airport levee prepared by DMJM Arizona Inc for the Flood Control District project FCD 97-18. These show stationing, structures and assumed locations of Levee monitoring sites.

(G) Sheets 3, 5, 11, & 13 of 111 from the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19. These show locations of reference marks.

(H) Sheets 2N, 5N, 10N, 14N, 18N, & 20N to 22N of 22N and 1S of 3S from the New River & Skunk Creek Floodplain Delineation Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 89-30. These show the locations for the RM's.

(I) Sheets 11 to 19 of 48 of the As Built drawings of the New River Channelization from Bethany Home Road to Olive Avenue, prepared by Coe & Van Loo Consulting Engineers, Inc. These show stationing, structures and assumed locations of Levee monitoring sites.

(J) Sheets 6 to 14 of 60 of the As Built drawings of the New River Improvements from Olive Avenue to Grand Avenue, prepared by the U.S. Army Corps of Engineers, spec. N0. DACW09-88-R0001. These show stationing, structures and assumed locations of Levee monitoring sites.

(K) Sheets 17 & 18 of 18 of the As Built drawings of the New River Improvements near the mouth of Skunk Creek, prepared by Wood, Patel & Associates, Inc. for the Flood Control District under project FCD 94-04. These show stationing, structures and assumed locations of Levee monitoring sites.

(L) Sheets 6 & 7 of 40 of the As Built drawings for the 83rd Avenue Bridge, prepared by Dibble & Associates under project FCD 89-48. These show stationing, structures and assumed locations of Levee monitoring sites.

M) Sheets 1 – 16 of 16 of the Agua Fria River Reach 4, Levee Monitoring, by WLB Group, under Flood Control District Contract 98-20, Assignment #1.

(N) List of the Levee stations where monitoring sites are located.

1.) Camelback Ranch South Levee for the East Bank
2.) Camelback Ranch North, Glendale Airport Levee for the East Bank.
3.) New River Levee from Bethany Home Road to Olive Avenue for the East Bank.
4.) New River Levee from Bethany Home Road to Olive Avenue for the West Bank.
5.) New River Levee from Olive Avenue to Grand Avenue for the East Bank.
6.) New River Levee from Olive Avenue to Grand Avenue for the West Bank.
7.) New River Levee near Skunk Creek for the East and West Banks.
8.) Skunk Creek Levee near the mouth, at 83rd Avenue for South and North Banks.

(O) Sketch showing the location of information required at monitoring sites.

(P) Table and Map of Reference Points with Elevations and State Plane Coordinates from the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19.

(Q) Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System's SECONDARY CONTROL INSTALLATION STATUS MAP.

(R) The description of three (3) of the Primary Control Sites (LITE, LITCHFIELD, & NORT), as well as for six (6) of the Totalinstalled.dbf sites (1GC1, 1FB1, 1EA1, 4DB1, 4CA4, & 4BB1) from the Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System.

(S) Sample of Microsoft Excel format for presenting information for Reference Marks.

Technical Data Notebook
For the
Land Subsidence Evaluation of the Upper Agua Fria Levees
FCD Contract No. 99-067, Assignment 1
Portions of Tasks 3, 4 and 5
(Northern Avenue to Greenway Road)

Surveyed By;
SurvNet, Inc.
150 N. Stapley #105
Mesa, AZ 85203
(480)835-9070

Provided for:
Premier Engineering Corporation
1600 W. Broadway Rd. #165
Tempe, AZ 85282
(480)829-6000

SC V07 Copyright Trimble Navigation Ltd, 1996.
Serial no 9 05-Aug-00 09:34
Angle Degrees Dist Feet Press inch Hg
Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID 4004ph3
Atmos crn No C and R crn Yes Refrac cnst 0.20
Elev Yes Sea level crn No

PROJ TM Transverse Mercator
Orig Lat 31°00'00"N Orig Nrth 0.000
Orig Lng 111°55'00"W Orig East 700000.000
Orig Hgt 0.000 Orig Elev 0.000
Orient 1 0°00'00" Orient 2 0°00'00"
Scale 0.9999

LOCELL TM Local Rad 20925646.325 Flat. 298.2572215381

DATUM TM Molodensky
Srce Rad 20925646.325 Srce Flat 298.257223563
Rotn X 0°00'00" Rotn Y 0°00'00"
Rotn Z 0°00'00" Trans X 0.000
Trans Y 0.000 Trans Z 0.000
Scale 0

GPSANT KI Antenna ht 0.000 Measuremt True

ORIENTATIONNMAzmth From North Dir North and East

HGTADJ TM Geoid model + plane
Orig Nrth 878429.839 Slope N 0
Orig East 559394.226 Slope E 0
Hgt Const 0.135
Geoid geoid99

NOTE NM 4004ph3

GRDPOS KI Point ID BAS1 Nrth 894110.063 East 573558.368
Class Normal Elv 987.915 Code <no text>
Mthd User Input

GRDPOS KI Point ID BAS2 Nrth 912547.158 East 582390.448
Class Normal Elv 1032.144 Code <no text>
Mthd User Input

GRDPOS KI Point ID BAS3 Nrth 941481.423 East 594595.629
Class Normal Elv 1130.594 Code <no text>
Mthd User Input

GRDPOS KI Point ID BED1 Nrth 928264.060 East 517921.993
Class Normal Elv 1516.960 Code <no text>
Mthd User Input

GRDPOS KI Point ID E475 Nrth 979343.979 East 613661.958
Class Normal Elv 1364.187 Code <no text>
Mthd User Input

GRDPOS KI Point ID LITC Nrth 917127.275 East 564284.523
Class Normal Elv 1121.263 Code <no text>
Mthd User Input

GRDPOS KI Point ID LITE Nrth 882467.391 East 578528.514
Class Normal Elv 983.237 Code <no text>
Mthd User Input

GRDPOS KI Point ID NORT Nrth 928515.556 East 596852.569
Class Normal Elv 1097.972 Code <no text>
Mthd User Input

GRDPOS KI Point ID Q366 Nrth 991733.774 East 569967.026
Class Normal Elv 1392.562 Code <no text>
Mthd User Input

GRDPOS KI Point ID WW55 Nrth 878429.838 East 559394.227
Class Normal Elv 933.650 Code <no text>
Mthd User Input

ORIENTATIONNMAzmth From North Dir North and East

F FILE FC File Used No
ID 00000 Name

PLANE KI Orig Nrth <null> Orig East <null>
Trans N <null> Trans E <null>
Rotation <null> Scale <null>

SURVEY KI Elev mask 10 PDOP mask 6.0

EQUIP BA Receiver 4800 Serial no 20141803
Antenna 4800 Internal
Method Reading from hook using 4800 tape
Tape adj 0.000 Serial no <no text>
Radius 0.358 V.Const 0.104

SURVEY EVENTKISurvey event Base survey started

NOTE TS Time Date 07/12/2000 Time 15:58:45

EQUIP BA Receiver 4800 Serial no 20141803
Antenna 4800 Internal
Method Reading from hook using 4800 tape
Tape adj 0.000 Serial no <no text>
Radius 0.358 V.Const 0.104

GPSANT KI Antenna ht 5.223 Measuremt Uncorrected

EQUIP BA Receiver 4800 Serial no 20141803
Antenna 4800 Internal
Method Reading from hook using 4800 tape
Tape adj 0.000 Serial no <no text>
Radius 0.358 V.Const 0.104

GPSANT KI Antenna ht 5.223 Measuremt Uncorrected

EQUIP BA Receiver 4800 Serial no 20141803
Antenna 4800 Internal
Method Reading from hook using 4800 tape
Tape adj 0.000 Serial no <no text>
Radius 0.358 V.Const 0.104

GPSANT KI Antenna ht 5.223 Measuremt Uncorrected

GPSREF KI Reference BAS3

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

SURVEY EVENTKISurvey event Rover survey started

OTE TS Time Date 07/12/2000 Time 15:59:18

SURVEY KI Elev mask 10 PDOP mask 6.0

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE TS Time Date 07/12/2000 Time 15:59:36

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS SI Point ID BAS3 Lat 33°35'15.17459"N Lng 112°15'46.04952"W
Class Check Hgt 1031.922 Code <no text>
Mthd User Input H.pr <null> V.pr <null>

GPSANT KI Antenna ht 5.315 Measuremt True

GPSREF KI Reference BAS3

INIT KI Init event Gained Week 1070
Init type On the fly seconds 317687.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

GPSANT KI Antenna ht 5.906 Measuremt Uncorrected

INIT KI Init event Lost Week 1070
Init type On the fly seconds 317791.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 07/12/2000 Time 16:35:30

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       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 101        DX  -4022.214        DY  -3048.273
       Class Normal        DZ  -6608.159        Code RM 9
       Mthd Phase Diff.    H.pr 0.035           V.pr 0.064

GPSQC1  NM  Min SVs       8              PDOP max  0.6
       Total GPS pos  10              HDOP max  0.3
       Monitor status Yes             VDOP max  0.5
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1070 sec 319008.0       End wk 1070   sec 319018.0

INIT   KI  Init event   Lost(RMS)        Week        1070
       Init type    On the fly        seconds     319023.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     319052.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 102        DX  -4022.246        DY  -3048.360
       Class Normal        DZ  -6608.196        Code RM 9
       Mthd Phase Diff.    H.pr 0.024           V.pr 0.044

GPSQC1  NM  Min SVs       8              PDOP max  0.8
       Total GPS pos  7               HDOP max  0.4
       Monitor status Yes             VDOP max  0.7
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1070 sec 319058.0       End wk 1070   sec 319064.0

INIT   KI  Init event   Lost            Week        1070
       Init type    On the fly        seconds     319078.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

INIT KI Init event Gained Week 1070
Init type On the fly seconds 319238.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 103 DX -4022.223 DY -3048.293
Class Normal DZ -6608.223 Code RM 9
Mthd Phase Diff. H.pr 0.020 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 319265.0 End wk 1070 sec 319274.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 319299.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 319445.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 104 DX -5419.733 DY -2495.695
Class Normal DZ -6626.186 Code RM 9<2>
Mthd Phase Diff. H.pr 0.024 V.pr 0.052

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 319474.0 End wk 1070 sec 319481.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 319485.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     319518.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC TP  Point ID 105        DX  -5419.739        DY  -2495.706
       Class Normal        DZ  -6626.187        Code RM 9<2>
       Mthd Phase Diff.    H.pr 0.026           V.pr 0.055

GPSQC1 NM  Min SVs       7              PDOP max  1.2
       Total GPS pos  6              HDOP max  0.5
       Monitor status Yes            VDOP max  1.1
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1070 sec 319523.0      End wk 1070   sec 319529.0

INIT   KI  Init event   Lost          Week        1070
       Init type    On the fly        seconds     319574.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     319826.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Lost          Week        1070
       Init type    On the fly        seconds     319850.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     319872.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC TP  Point ID 106        DX  -3336.099        DY  -198.633
       Class Normal        DZ  -2196.884        Code RM 32
       Mthd Phase Diff.    H.pr 0.018           V.pr 0.035
```

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 319876.0 End wk 1070 sec 319880.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 319888.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 319925.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 107 DX -3336.108 DY -198.606
Class Normal DZ -2196.910 Code RM 32
Mthd Phase Diff. H.pr 0.019 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 319929.0 End wk 1070 sec 319935.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 319949.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 319986.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 108 DX -3336.120 DY -198.625
Class Normal DZ -2196.904 Code RM 32
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 319991.0 End wk 1070 sec 319995.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 320026.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 07/12/2000 Time 17:06:03

INIT KI Init event Gained Week 1070
Init type On the fly seconds 320775.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 109 DX 2753.615 DY 568.196
Class Normal DZ 2379.177 Code RM 35
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 320781.0 End wk 1070 sec 320785.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 320790.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 320843.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 110 DX 2753.612 DY 568.188
Class Normal DZ 2379.171 Code RM 35
Mthd Phase Diff. H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 320848.0 End wk 1070 sec 320852.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 320894.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 321203.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 111 DX 8809.807 DY 1238.812
Class Normal DZ 6820.021 Code RM 13
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 321229.0 End wk 1070 sec 321238.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 321243.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 321345.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 112 DX 8809.787 DY 1238.834
Class Normal DZ 6819.979 Code RM 13
Mthd Phase Diff. H.pr 0.029 V.pr 0.048

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 321351.0 End wk 1070 sec 321354.0

SURVEY EVENTKISurvey event Communications error

INIT KI Init event Gained Week 1070
Init type On the fly seconds 321365.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Lost Week 1070
Init type On the fly seconds 321369.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 321493.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 113 DX 8809.795 DY 1238.870
Class Normal DZ 6819.976 Code RM 13
Mthd Phase Diff. H.pr 0.034 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 321499.0 End wk 1070 sec 321503.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 321560.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     321861.0
       Init counter  16               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 114       DX  9374.109        DY  2577.272
       Class Normal        DZ  9018.088        Code RM 58
       Mthd Phase Diff.    H.pr 0.036          V.pr 0.053

GPSQC1  NM  Min SVs      6              PDOP max  0.9
       Total GPS pos  5              HDOP max  0.5
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1070 sec 321882.0       End wk 1070   sec 321886.0

INIT   KI  Init event   Lost            Week        1070
       Init type    On the fly        seconds     321890.0
       Init counter  16               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1070
       Init type    On the fly        seconds     321924.0
       Init counter  17               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 115       DX  9374.095        DY  2577.262
       Class Normal        DZ  9018.113        Code RM 58
       Mthd Phase Diff.    H.pr 0.026          V.pr 0.037

GPSQC1  NM  Min SVs      6              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1070 sec 321939.0       End wk 1070   sec 321942.0

INIT   KI  Init event   Lost            Week        1070
       Init type    On the fly        seconds     322235.0
       Init counter  17               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

INIT KI Init event Gained Week 1070
Init type On the fly seconds 322318.0
Init counter 18 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 116 DX 9938.915 DY 3917.798
Class Normal DZ 11216.678 Code RM 41
Mthd Phase Diff. H.pr 0.030 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 322325.0 End wk 1070 sec 322331.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 322334.0
Init counter 18 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1070
Init type On the fly seconds 322393.0
Init counter 19 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 117 DX 9938.945 DY 3917.855
Class Normal DZ 11216.657 Code RM 41
Mthd Phase Diff. H.pr 0.030 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1070 sec 322399.0 End wk 1070 sec 322406.0

INIT KI Init event Lost Week 1070
Init type On the fly seconds 322416.0
Init counter 19 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event    Gained          Week        1070
       Init type     On the fly       seconds      322470.0
       Init counter  20               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 118       DX  9938.921        DY  3917.828
       Class Normal        DZ  11216.680       Code RM 41
       Mthd Phase Diff.    H.pr 0.033          V.pr 0.042

GPSQC1  NM  Min SVs      6              PDOP max  0.8
       Total GPS pos  5               HDOP max  0.5
       Monitor status Yes             VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1070 sec 322476.0       End wk 1070   sec 322481.0

NOTE   TS  Time Date 07/12/2000 Time 17:36:42

INIT   KI  Init event    Lost            Week        1070
       Init type     On the fly       seconds      322613.0
       Init counter  20               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000                 Serial no <no text>
       Radius    0.358                 V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE   TS  Time Date 07/17/2000 Time 16:37:09

EQUIP   BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000                 Serial no <no text>
       Radius    0.358                 V.Const   0.104

GPSANT  KI  Antenna ht 5.154            Measuremt Uncorrected
```

```
EQUIP  BA Receiver 4800              Serial no 20141803
       Antenna  4800 Internal
       Method   Reading from hook using 4800 tape
       Tape adj 0.000              Serial no <no text>
       Radius   0.358              V.Const  0.104

GPSANT KI Antenna ht 5.154          Measuremt Uncorrected

EQUIP  BA Receiver 4800              Serial no 20141803
       Antenna  4800 Internal
       Method   Reading from hook using 4800 tape
       Tape adj 0.000              Serial no <no text>
       Radius   0.358              V.Const  0.104

GPSANT KI Antenna ht 5.154          Measuremt Uncorrected

GPSREF KI Reference BAS3

EQUIP  NM Receiver 4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj 0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS Time Date 07/17/2000 Time 16:37:44

SURVEY KI Elev mask 10              PDOP mask 6.0

EQUIP  NM Receiver 4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj 0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS Time Date 07/17/2000 Time 16:38:40

GPSANT KI Antenna ht 5.246          Measuremt True

GPSREF KI Reference BAS3

NOTE   TS Time Date 07/17/2000 Time 16:59:16
```

```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     147568.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver 4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                Serial no <no text>
       Radius    0.000                V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 119        DX  -5867.102        DY  -5136.083
       Class Normal        DZ  -10600.538       Code 165+00E NR
       Mthd Phase Diff.    H.pr 0.024           V.pr 0.037

GPSQC1  NM  Min SVs       6              PDOP max  1.0
       Total GPS pos  4               HDOP max  0.5
       Monitor status Yes             VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 147586.0       End wk 1071   sec 147590.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     147593.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     147657.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 120        DX  -5867.045        DY  -5136.108
       Class Normal        DZ  -10600.569       Code 165+00E NR
       Mthd Phase Diff.    H.pr 0.022           V.pr 0.033

GPSQC1  NM  Min SVs       6              PDOP max  1.0
       Total GPS pos  4               HDOP max  0.6
       Monitor status Yes             VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 147663.0       End wk 1071   sec 147666.0
```

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     147683.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     147760.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 121        DX  -5867.088        DY  -5136.107
       Class Normal        DZ  -10600.567       Code 165+00E NR
       Mthd Phase Diff.    H.pr 0.021           V.pr 0.031

GPSQC1  NM  Min SVs       6              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 147766.0       End wk 1071   sec 147769.0

GPSVEC  TP  Point ID 3000       DX  -5868.785        DY  -5134.865
       Class Normal        DZ  -10599.989       Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.023           V.pr 0.033

GPSQC1  NM  Min SVs       6              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 147816.0       End wk 1071   sec 147819.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     147856.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     147939.0
       Init counter  4               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

GPSVEC TP Point ID 122 DX -5712.536 DY -4591.504
Class Normal DZ -9750.156 Code 175+00E NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 147946.0 End wk 1071 sec 147950.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 147954.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 147984.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 123 DX -5712.526 DY -4591.493
Class Normal DZ -9750.136 Code 175+00E NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.036

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 147994.0 End wk 1071 sec 147999.0

GPSVEC TP Point ID 3001 DX -5714.484 DY -4590.945
Class Normal DZ -9750.498 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148023.0 End wk 1071 sec 148026.0

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     148033.0
       Init counter  5               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     148132.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 125       DX  -5571.533       DY  -4099.692
       Class Normal        DZ  -8979.315       Code 185+00E NR
       Mthd Phase Diff.    H.pr 0.024          V.pr 0.032

GPSQC1  NM  Min SVs       6              PDOP max  0.8
       Total GPS pos  6              HDOP max  0.5
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 148140.0       End wk 1071   sec 148145.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     148149.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     148176.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 126       DX  -5571.558       DY  -4099.706
       Class Normal        DZ  -8979.333       Code 185+00E NR
       Mthd Phase Diff.    H.pr 0.025          V.pr 0.034

GPSQC1  NM  Min SVs       6              PDOP max  0.8
       Total GPS pos  7              HDOP max  0.5
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 148181.0       End wk 1071   sec 148187.0
```

GPSVEC TP Point ID 3002 DX -5573.781 DY -4098.598
Class Normal DZ -8979.333 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148210.0 End wk 1071 sec 148214.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 148221.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 148339.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 127 DX -5356.662 DY -3584.067
Class Normal DZ -8134.286 Code 195+00E NR
Mthd Phase Diff. H.pr 0.019 V.pr 0.032

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148344.0 End wk 1071 sec 148349.0

NIT KI Init event Lost Week 1071
Init type On the fly seconds 148352.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NIT KI Init event Gained Week 1071
Init type On the fly seconds 148399.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 128 DX -5356.640 DY -3584.072
Class Normal DZ -8134.285 Code 195+00E NR
Mthd Phase Diff. H.pr 0.029 V.pr 0.048

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148404.0 End wk 1071 sec 148409.0

GPSVEC TP Point ID 3003 DX -5358.974 DY -3582.888
Class Normal DZ -8134.246 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.026 V.pr 0.042

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148433.0 End wk 1071 sec 148437.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 148450.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 148574.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 129 DX -4973.037 DY -3158.552
Class Normal DZ -7316.210 Code 205+00E NR
Mthd Phase Diff. H.pr 0.022 V.pr 0.029

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148581.0 End wk 1071 sec 148588.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 148593.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 148620.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 130 DX -4973.040 DY -3158.556
Class Normal DZ -7316.225 Code 205+00E NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.030

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148626.0 End wk 1071 sec 148630.0

GPSVEC TP Point ID 3004 DX -4975.594 DY -3156.682
Class Normal DZ -7315.538 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.031 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148661.0 End wk 1071 sec 148664.0

NIT KI Init event Lost Week 1071
Init type On the fly seconds 148669.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NIT KI Init event Gained Week 1071
Init type On the fly seconds 148877.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 131 DX -4580.292 DY -2805.802
Class Normal DZ -6585.627 Code ADTBC T/W NEC OL
Mthd Phase Diff. H.pr 0.026 V.pr 0.033

F-CODE TP Code ADTBC T/W NEC OLV BRDG

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148903.0 End wk 1071 sec 148906.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 148911.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 148947.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 132 DX -4580.307 DY -2805.825
Class Normal DZ -6585.632 Code ADTBC T/W NEC OL
Mthd Phase Diff. H.pr 0.030 V.pr 0.038

F-CODE TP Code ADTBC T/W NEC OLV BRDG

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 148952.0 End wk 1071 sec 148954.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 148978.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     149086.0
       Init counter  14               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 133       DX  -4356.314       DY  -2812.752
       Class Normal        DZ  -6464.771       Code 235+00E NR
       Mthd Phase Diff.    H.pr 0.030          V.pr 0.038

GPSQC1  NM  Min SVs       6              PDOP max  0.9
       Total GPS pos  5               HDOP max  0.5
       Monitor status Yes             VDOP max  0.7
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 149091.0       End wk 1071   sec 149095.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     149100.0
       Init counter  14               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     149128.0
       Init counter  15               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 134       DX  -4356.292       DY  -2812.763
       Class Normal        DZ  -6464.754       Code 235+00E NR
       Mthd Phase Diff.    H.pr 0.032          V.pr 0.041

GPSQC1  NM  Min SVs       6              PDOP max  0.9
       Total GPS pos  5               HDOP max  0.5
       Monitor status Yes             VDOP max  0.7
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 149133.0       End wk 1071   sec 149137.0

GPSVEC  TP  Point ID 3005      DX  -4356.889       DY  -2811.409
       Class Normal        DZ  -6463.451       Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.034          V.pr 0.043
```

```
GPSQC1  NM  Min SVs      6              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 149162.0      End wk 1071   sec 149166.0

GPSVEC  TP  Point ID 135       DX  -3605.510       DY  -2658.283
        Class Normal        DZ  -5818.572       Code 245+00E NR
        Mthd Phase Diff.    H.pr 0.036          V.pr 0.046

GPSQC1  NM  Min SVs      5              PDOP max  1.2
        Total GPS pos  5              HDOP max  0.8
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 149266.0      End wk 1071   sec 149270.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     149274.0
        Init counter  15                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     149304.0
        Init counter  16                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 136       DX  -3605.522       DY  -2658.302
        Class Normal        DZ  -5818.551       Code 245+00E NR
        Mthd Phase Diff.    H.pr 0.035          V.pr 0.044

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 149310.0      End wk 1071   sec 149313.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     149336.0
        Init counter  16                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

DATE    TS  Time Date 07/17/2000 Time 17:29:29
```

INIT KI Init event Gained Week 1071
Init type On the fly seconds 149381.0
Init counter 17 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 137 DX -3605.518 DY -2658.313
Class Normal DZ -5818.556 Code 245+00E NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.031

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149387.0 End wk 1071 sec 149390.0

GPSVEC TP Point ID 3006 DX -3607.188 DY -2657.143
Class Normal DZ -5818.055 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.039 V.pr 0.050

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149417.0 End wk 1071 sec 149422.0

GPSVEC TP Point ID 3007 DX -3451.127 DY -2137.800
Class Normal DZ -4995.097 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.037 V.pr 0.047

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149517.0 End wk 1071 sec 149520.0

GPSVEC TP Point ID 138 DX -3449.288 DY -2138.073
Class Normal DZ -4994.289 Code 255+00E NR
Mthd Phase Diff. H.pr 0.025 V.pr 0.033

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149544.0 End wk 1071 sec 149548.0

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds      149554.0
       Init counter  17               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds      149614.0
       Init counter  18               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 139       DX  -3449.281       DY  -2138.079
       Class Normal        DZ  -4994.323       Code 255+00E NR
       Mthd Phase Diff.    H.pr 0.027          V.pr 0.035

GPSQC1  NM  Min SVs       5              PDOP max  1.4
       Total GPS pos  4              HDOP max  0.8
       Monitor status Yes            VDOP max  1.1
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 149618.0       End wk 1071   sec 149621.0

GPSVEC  TP  Point ID 140       DX  -3475.542       DY  -1923.017
       Class Normal        DZ  -4707.884       Code 258+55E NR GRD C
       Mthd Phase Diff.    H.pr 0.036          V.pr 0.046

F-CODE  TP  Code 258+55E NR GRD CTRL

GPSQC1  NM  Min SVs       5              PDOP max  1.2
       Total GPS pos  6              HDOP max  0.7
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 149729.0       End wk 1071   sec 149734.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds      149738.0
       Init counter  18               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds      149820.0
       Init counter  19               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>
```

GPSVEC TP Point ID 141 DX -3475.540 DY -1923.027
Class Normal DZ -4707.859 Code 258+55E NR GRD C
Mthd Phase Diff. H.pr 0.044 V.pr 0.057

F-CODE TP Code 258+55E NR GRD CTRL

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149825.0 End wk 1071 sec 149829.0

GPSVEC TP Point ID 3008 DX -3477.478 DY -1922.238
Class Normal DZ -4708.126 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.033 V.pr 0.044

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149855.0 End wk 1071 sec 149860.0

GPSVEC TP Point ID 3009 DX -3221.032 DY -1653.500
Class Normal DZ -4185.305 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.042 V.pr 0.055

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149937.0 End wk 1071 sec 149940.0

GPSVEC TP Point ID 142 DX -3219.683 DY -1654.755
Class Normal DZ -4185.999 Code 265+00E NR
Mthd Phase Diff. H.pr 0.028 V.pr 0.037

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 149973.0 End wk 1071 sec 149978.0

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     149982.0
       Init counter  19               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     150048.0
       Init counter  20               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 143       DX  -3219.713       DY  -1654.792
       Class Normal        DZ  -4186.000       Code 265+00E NR
       Mthd Phase Diff.    H.pr 0.029          V.pr 0.039

GPSQC1  NM  Min SVs       5              PDOP max  1.0
       Total GPS pos  6              HDOP max  0.6
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 150058.0       End wk 1071   sec 150063.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     150072.0
       Init counter  20               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     150125.0
       Init counter  21               Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 144       DX  -3219.691       DY  -1654.768
       Class Normal        DZ  -4185.996       Code 265+00E NR
       Mthd Phase Diff.    H.pr 0.034          V.pr 0.046

GPSQC1  NM  Min SVs       6              PDOP max  0.9
       Total GPS pos  6              HDOP max  0.5
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 150129.0       End wk 1071   sec 150134.0
```

GPSVEC TP Point ID 145 DX -2598.622 DY -1390.378
Class Normal DZ -3450.947 Code 275+00E NR
Mthd Phase Diff. H.pr 0.029 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 150267.0 End wk 1071 sec 150271.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 150275.0
Init counter 21 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 150318.0
Init counter 22 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 146 DX -2598.620 DY -1390.371
Class Normal DZ -3450.949 Code 275+00E NR
Mthd Phase Diff. H.pr 0.029 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 150322.0 End wk 1071 sec 150328.0

GPSVEC TP Point ID 3010 DX -2599.600 DY -1389.339
Class Normal DZ -3450.302 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.036 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 150357.0 End wk 1071 sec 150361.0

GPSVEC TP Point ID 3011 DX -2059.294 DY -1056.925
Class Normal DZ -2676.398 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.025 V.pr 0.035

```
GPSQC1  NM  Min SVs       6              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 150438.0       End wk 1071   sec 150443.0

GPSVEC  TP  Point ID 147        DX  -2057.819        DY  -1057.972
        Class Normal        DZ  -2676.720        Code 285+00E NR
        Mthd Phase Diff.    H.pr 0.029           V.pr 0.039

GPSQC1  NM  Min SVs       6              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 150464.0       End wk 1071   sec 150468.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly       seconds      150473.0
        Init counter  22               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly       seconds      150504.0
        Init counter  23               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 148        DX  -2057.818        DY  -1057.973
        Class Normal        DZ  -2676.745        Code 285+00E NR
        Mthd Phase Diff.    H.pr 0.021           V.pr 0.030

GPSQC1  NM  Min SVs       6              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 150509.0       End wk 1071   sec 150514.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly       seconds      150526.0
        Init counter  23               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     150905.0
       Init counter  24               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 149       DX  -1565.018       DY  -680.965
       Class Normal        DZ  -1863.804       Code 295+00E NR
       Mthd Phase Diff.    H.pr 0.023          V.pr 0.033

GPSQC1  NM  Min SVs      6              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 150910.0       End wk 1071   sec 150914.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     150918.0
       Init counter  24               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     150943.0
       Init counter  25               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 150       DX  -1565.021       DY  -680.969
       Class Normal        DZ  -1863.791       Code 295+00E NR
       Mthd Phase Diff.    H.pr 0.026          V.pr 0.037

GPSQC1  NM  Min SVs      6              PDOP max  1.0
       Total GPS pos  5              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 150948.0       End wk 1071   sec 150952.0

GPSVEC  TP  Point ID 3012      DX  -1566.664       DY  -679.820
       Class Normal        DZ  -1863.286       Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.029          V.pr 0.041
```

```
GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 150978.0       End wk 1071   sec 150982.0

GPSVEC  TP  Point ID 3013       DX  -1284.663       DY  -431.468
        Class Normal        DZ  -1353.063       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.032

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151059.0       End wk 1071   sec 151062.0

GPSVEC  TP  Point ID 151        DX  -1283.089       DY  -432.698
        Class Normal        DZ  -1353.642       Code 302+50E NR GRD C
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.032

F-CODE  TP  Code 302+50E NR GRD CTRL

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151087.0       End wk 1071   sec 151090.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     151096.0
        Init counter  25                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     151125.0
        Init counter  26                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 152        DX  -1283.134       DY  -432.683
        Class Normal        DZ  -1353.636       Code 302+50E NR GRD C
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.035

F-CODE  TP  Code 302+50E NR GRD CTRL
```

```
GPSQC1  NM  Min SVs       6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151130.0       End wk 1071   sec 151134.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      151150.0
        Init counter  26                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      151171.0
        Init counter  27                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

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GPSVEC  TP  Point ID 153        DX  -1283.087        DY  -432.741
        Class Normal        DZ  -1353.632        Code 302+50E NR GRD C
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.036

F-CODE  TP  Code 302+50E NR GRD CTRL

GPSQC1  NM  Min SVs       5              PDOP max  1.2
        Total GPS pos  6              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151187.0       End wk 1071   sec 151192.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      151287.0
        Init counter  27                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      151318.0
        Init counter  28                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

GPSVEC TP Point ID 154 DX -1091.731 DY -359.173
Class Normal DZ -1132.496 Code 305+00E NR
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 151325.0 End wk 1071 sec 151329.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 151334.0
Init counter 28 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 151407.0
Init counter 29 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 155 DX -1091.743 DY -359.190
Class Normal DZ -1132.492 Code 305+00E NR
Mthd Phase Diff. H.pr 0.022 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 151411.0 End wk 1071 sec 151420.0

GPSVEC TP Point ID 3014 DX -1092.614 DY -357.979
Class Normal DZ -1131.495 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.030 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 151447.0 End wk 1071 sec 151467.0

GPSVEC TP Point ID 3015 DX -459.227 DY -107.950
Class Normal DZ -412.998 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.022 V.pr 0.032

```
GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151571.0      End wk 1071   sec 151575.0

GPSVEC  TP  Point ID 156       DX  -457.685        DY  -109.247
        Class Normal        DZ  -413.575        Code 315+00E NR
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.034

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151593.0      End wk 1071   sec 151597.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     151601.0
        Init counter  29                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     151629.0
        Init counter  30                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 157       DX  -457.693        DY  -109.244
        Class Normal        DZ  -413.588        Code 315+00E NR
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.033

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151638.0      End wk 1071   sec 151642.0

GPSVEC  TP  Point ID 158       DX   35.429         DY   247.374
        Class Normal        DZ   367.334        Code 325+00E NR
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.037
```

```
GPSQC1  NM  Min SVs       6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151743.0       End wk 1071   sec 151747.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      151751.0
        Init counter  30               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      151775.0
        Init counter  31               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 159        DX   35.445         DY   247.350
        Class Normal        DZ   367.349         Code 325+00E NR
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.036

GPSQC1  NM  Min SVs       6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151809.0       End wk 1071   sec 151813.0

GPSVEC  TP  Point ID 3016       DX   33.887         DY   248.477
        Class Normal        DZ   367.817         Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.031

GPSQC1  NM  Min SVs       6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151846.0       End wk 1071   sec 151849.0

GPSVEC  TP  Point ID 3017       DX   392.374        DY   696.906
        Class Normal        DZ   1200.734        Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.038
```

```
GPSQC1  NM  Min SVs       6              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151941.0       End wk 1071   sec 151946.0

GPSVEC  TP  Point ID 160       DX   393.773        DY   696.172
        Class Normal        DZ   1200.763        Code 335+00E NR
        Mthd Phase Diff.    H.pr 0.023           V.pr 0.034

GPSQC1  NM  Min SVs       6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 151968.0       End wk 1071   sec 151972.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     151976.0
        Init counter  31                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     151998.0
        Init counter  32                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 161       DX   393.766        DY   696.163
        Class Normal        DZ   1200.752        Code 335+00E NR
        Mthd Phase Diff.    H.pr 0.022           V.pr 0.034

GPSQC1  NM  Min SVs       6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 152004.0       End wk 1071   sec 152008.0

GPSVEC  TP  Point ID 162       DX   685.507        DY   1179.595
        Class Normal        DZ   2047.306        Code 345+00E NR
        Mthd Phase Diff.    H.pr 0.025           V.pr 0.038
```

```
GPSQC1  NM  Min SVs      6              PDOP max  0.9
        Total GPS pos  7              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 152096.0      End wk 1071   sec 152102.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      152110.0
        Init counter  32               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      152131.0
        Init counter  33               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 163       DX   685.508        DY   1179.594
        Class Normal        DZ   2047.319        Code 345+00E NR
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.035

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 152137.0      End wk 1071   sec 152139.0

GPSVEC  TP  Point ID 3018      DX   683.958        DY   1180.753
        Class Normal        DZ   2047.841        Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.033

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 152170.0      End wk 1071   sec 152173.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      152180.0
        Init counter  33               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

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```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     153640.0
       Init counter  34               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 164       DX  -6380.925       DY  -4849.914
       Class Normal        DZ  -10494.764       Code 165+00W NR
       Mthd Phase Diff.    H.pr 0.026           V.pr 0.047

GPSQC1  NM  Min SVs       7              PDOP max  0.6
       Total GPS pos  13              HDOP max  0.3
       Monitor status Yes             VDOP max  0.5
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 153715.0       End wk 1071   sec 153727.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     153732.0
       Init counter  34               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     153808.0
       Init counter  35               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 165       DX  -6380.965       DY  -4849.921
       Class Normal        DZ  -10494.769       Code 165+00W NR
       Mthd Phase Diff.    H.pr 0.031           V.pr 0.056

GPSQC1  NM  Min SVs       7              PDOP max  0.5
       Total GPS pos  20              HDOP max  0.2
       Monitor status Yes             VDOP max  0.4
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 153812.0       End wk 1071   sec 153831.0

GPSVEC  TP  Point ID 3019      DX  -6378.056       DY  -4850.768
       Class Normal        DZ  -10494.944       Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.034           V.pr 0.061
```

GPSQC1 NM Min SVs 7 PDOP max 0.6
Total GPS pos 12 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 153859.0 End wk 1071 sec 153870.0

GPSVEC TP Point ID 3020 DX -6089.005 DY -4382.070
Class Normal DZ -9667.433 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.035 V.pr 0.065

GPSQC1 NM Min SVs 7 PDOP max 0.6
Total GPS pos 13 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 153960.0 End wk 1071 sec 153973.0

GPSVEC TP Point ID 166 DX -6091.735 DY -4381.204
Class Normal DZ -9667.333 Code 175+00W NR
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 0.5
Total GPS pos 16 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 153998.0 End wk 1071 sec 154013.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 154020.0
Init counter 35 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 154041.0
Init counter 36 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 167 DX -6091.694 DY -4381.189
Class Normal DZ -9667.327 Code 175+00W NR
Mthd Phase Diff. H.pr 0.028 V.pr 0.052

```
GPSQC1  NM  Min SVs       7              PDOP max  0.8
        Total GPS pos  8              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 154068.0       End wk 1071   sec 154075.0

GPSVEC  TP  Point ID 168       DX  -5977.936       DY  -3837.370
        Class Normal        DZ  -8844.871       Code 185+00W NR
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.053

GPSQC1  NM  Min SVs       7              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 154176.0       End wk 1071   sec 154180.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     154186.0
        Init counter  36                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     154221.0
        Init counter  37                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 169       DX  -5977.960       DY  -3837.380
        Class Normal        DZ  -8844.901       Code 185+00W NR
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.042

GPSQC1  NM  Min SVs       7              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 154226.0       End wk 1071   sec 154231.0

GPSVEC  TP  Point ID 3021      DX  -5975.770       DY  -3838.130
        Class Normal        DZ  -8845.023       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.041
```

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154261.0 End wk 1071 sec 154266.0

GPSVEC TP Point ID 3022 DX -5746.302 DY -3324.225
Class Normal DZ -7992.769 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154342.0 End wk 1071 sec 154348.0

GPSVEC TP Point ID 170 DX -5748.184 DY -3323.528
Class Normal DZ -7992.561 Code 195+00W NR
Mthd Phase Diff. H.pr 0.018 V.pr 0.036

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154371.0 End wk 1071 sec 154376.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 154381.0
Init counter 37 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 154409.0
Init counter 38 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 171 DX -5748.195 DY -3323.530
Class Normal DZ -7992.569 Code 195+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154419.0 End wk 1071 sec 154423.0

GPSVEC TP Point ID 172 DX -5277.519 DY -2970.772
Class Normal DZ -7228.282 Code 205+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154550.0 End wk 1071 sec 154554.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 154564.0
Init counter 38 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 154593.0
Init counter 39 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 173 DX -5277.534 DY -2970.780
Class Normal DZ -7228.310 Code 205+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 154599.0 End wk 1071 sec 154605.0

GPSVEC TP Point ID 3023 DX -5275.231 DY -2972.044
Class Normal DZ -7229.212 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.022 V.pr 0.045

```
GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 154630.0      End wk 1071   sec 154634.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      154645.0
        Init counter  39               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

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INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      155973.0
        Init counter  40               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 174        DX  -4744.934        DY  -2604.049
        Class Normal        DZ  -6394.645        Code 235+00W NR
        Mthd Phase Diff.    H.pr 0.022           V.pr 0.041

GPSQC1  NM  Min SVs      9              PDOP max  0.5
        Total GPS pos  10             HDOP max  0.2
        Monitor status Yes            VDOP max  0.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 155987.0      End wk 1071   sec 155996.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      156002.0
        Init counter  40               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      156048.0
        Init counter  41               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 175        DX  -4744.958        DY  -2604.077
        Class Normal        DZ  -6394.623        Code 235+00W NR
        Mthd Phase Diff.    H.pr 0.026           V.pr 0.050
```

GPSQC1 NM Min SVs 9 PDOP max 0.6
Total GPS pos 8 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 156052.0 End wk 1071 sec 156060.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 156071.0
Init counter 41 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 156104.0
Init counter 42 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 176 DX -4744.909 DY -2604.100
Class Normal DZ -6394.620 Code 235+00W NR
Mthd Phase Diff. H.pr 0.017 V.pr 0.033

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 156131.0 End wk 1071 sec 156136.0

GPSVEC TP Point ID 3024 DX -4743.891 DY -2604.883
Class Normal DZ -6395.264 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 156187.0 End wk 1071 sec 156192.0

GPSVEC TP Point ID 3025 DX -4019.188 DY -2423.014
Class Normal DZ -5724.338 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

```
GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156289.0      End wk 1071   sec 156294.0

GPSVEC  TP  Point ID 177       DX  -4020.505       DY  -2422.266
        Class Normal        DZ  -5723.967       Code 245+00W NR
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.046

GPSQC1  NM  Min SVs      8              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156316.0      End wk 1071   sec 156321.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     156327.0
        Init counter  42                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     156362.0
        Init counter  43                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 178       DX  -4020.556       DY  -2422.295
        Class Normal        DZ  -5723.965       Code 245+00W NR
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.042

GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156369.0      End wk 1071   sec 156374.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     156384.0
        Init counter  43                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

```
INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly        seconds      156417.0
       Init counter  44                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 179        DX  -4020.572        DY  -2422.262
       Class Normal        DZ  -5723.977        Code 245+00W NR
       Mthd Phase Diff.    H.pr 0.023           V.pr 0.043

GPSQC1  NM  Min SVs       9              PDOP max  0.6
       Total GPS pos  7              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 156423.0       End wk 1071   sec 156429.0

GPSVEC  TP  Point ID 180        DX  -3820.758        DY  -1902.101
       Class Normal        DZ  -4876.290        Code 255+00W NR
       Mthd Phase Diff.    H.pr 0.023           V.pr 0.043

GPSQC1  NM  Min SVs       9              PDOP max  0.6
       Total GPS pos  7              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1071 sec 156521.0       End wk 1071   sec 156527.0

INIT   KI  Init event    Lost            Week        1071
       Init type     On the fly        seconds      156532.0
       Init counter  44                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly        seconds      156558.0
       Init counter  45                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 181        DX  -3820.742        DY  -1902.099
       Class Normal        DZ  -4876.268        Code 255+00W NR
       Mthd Phase Diff.    H.pr 0.019           V.pr 0.036
```

```
GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  5              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156569.0      End wk 1071   sec 156573.0

GPSVEC  TP  Point ID 3026      DX  -3819.157       DY  -1902.590
        Class Normal       DZ  -4876.203       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.035

GPSQC1  NM  Min SVs      9              PDOP max  0.6
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156609.0      End wk 1071   sec 156615.0

GPSVEC  TP  Point ID 3027      DX  -3798.069       DY  -1807.243
        Class Normal       DZ  -4729.646       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.034

GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  4              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156650.0      End wk 1071   sec 156654.0

GPSVEC  TP  Point ID 182       DX  -3799.982       DY  -1806.626
        Class Normal       DZ  -4729.658       Code 256+76W NR GRD C
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.037

F-CODE  TP  Code 256+76W NR GRD CTRL

GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  4              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156678.0      End wk 1071   sec 156682.0

INIT    KI  Init event    Lost          Week        1071
        Init type     On the fly      seconds     156689.0
        Init counter  45              Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>
```

```
INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly        seconds      156715.0
       Init counter  46                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 183        DX  -3799.993        DY  -1806.625
       Class Normal        DZ  -4729.667        Code 256+76W NR GRD C
       Mthd Phase Diff.    H.pr 0.025          V.pr 0.047

F-CODE  TP  Code 256+76W NR GRD CTRL

GPSQC1  NM  Min SVs       9              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 156720.0       End wk 1071   sec 156723.0

GPSVEC  TP  Point ID 184        DX  -3515.308        DY  -1441.155
       Class Normal        DZ  -4053.018        Code 265+00W NR
       Mthd Phase Diff.    H.pr 0.024          V.pr 0.045

GPSQC1  NM  Min SVs       9              PDOP max  0.6
       Total GPS pos  6              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 156809.0       End wk 1071   sec 156815.0

INIT   KI  Init event    Lost            Week        1071
       Init type     On the fly        seconds      156821.0
       Init counter  46                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly        seconds      156856.0
       Init counter  47                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 185        DX  -3515.318        DY  -1441.112
       Class Normal        DZ  -4053.041        Code 265+00W NR
       Mthd Phase Diff.    H.pr 0.020          V.pr 0.038
```

```
GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156864.0      End wk 1071   sec 156869.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      156882.0
        Init counter  47                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      156910.0
        Init counter  48                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 186       DX  -3515.326       DY  -1441.130
        Class Normal        DZ  -4053.070       Code 265+00W NR
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.033

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156913.0      End wk 1071   sec 156917.0

GPSVEC  TP  Point ID 3028      DX  -3513.983       DY  -1441.935
        Class Normal        DZ  -4053.543       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.048

GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 156949.0      End wk 1071   sec 156953.0

GPSVEC  TP  Point ID 3029      DX  -2902.597       DY  -1186.723
        Class Normal        DZ  -3340.838       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.036
```

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 157018.0 End wk 1071 sec 157022.0

GPSVEC TP Point ID 187 DX -2904.146 DY -1185.620
Class Normal DZ -3339.929 Code 275+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 157043.0 End wk 1071 sec 157050.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 157056.0
Init counter 48 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 157087.0
Init counter 49 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 188 DX -2904.137 DY -1185.598
Class Normal DZ -3339.949 Code 275+00W NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 10 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 157092.0 End wk 1071 sec 157101.0

GPSVEC TP Point ID 189 DX -2328.098 DY -869.969
Class Normal DZ -2568.715 Code 285+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.038

```
GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 157238.0      End wk 1071   sec 157243.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      157249.0
        Init counter  49               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      157286.0
        Init counter  50               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 190       DX  -2328.131       DY  -870.006
        Class Normal        DZ  -2568.736       Code 285+00W NR
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.036

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 157293.0      End wk 1071   sec 157297.0

GPSVEC  TP  Point ID 3030      DX  -2326.150       DY  -870.789
        Class Normal        DZ  -2569.092       Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.039

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 157326.0      End wk 1071   sec 157331.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      157343.0
        Init counter  50               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

NOTE    TS  Time Date 07/17/2000 Time 19:51:52
```

```
NOTE   KI  Computed inverse, Start pt: 189, End pt: 190,

NOTE   KI  Azimuth: 201.439°, H Dist: 0.046ft, V Dist: 0.028ft,

NOTE   KI  S Dist: 0.054ft

INIT   KI  Init event   Gained          Week        1071
           Init type    On the fly      seconds     157934.0
           Init counter 51              Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

GPSVEC TP  Point ID 191      DX  -1829.433      DY  -556.122
           Class Normal      DZ  -1840.853      Code 295+00W NR
           Mthd Phase Diff.  H.pr 0.024         V.pr 0.039

GPSQC1 NM  Min SVs      8            PDOP max  0.8
           Total GPS pos 6            HDOP max  0.4
           Monitor status Yes         VDOP max  0.7
           Horizontal SD 0.000        Vert SD   0.000
           Start wk 1071 sec 157957.0      End wk 1071   sec 157963.0

INIT   KI  Init event   Lost          Week        1071
           Init type    On the fly      seconds     157974.0
           Init counter 51              Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
           Init type    On the fly      seconds     158001.0
           Init counter 52              Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

GPSVEC TP  Point ID 192      DX  -1829.445      DY  -556.133
           Class Normal      DZ  -1840.851      Code 295+00W NR
           Mthd Phase Diff.  H.pr 0.024         V.pr 0.039

GPSQC1 NM  Min SVs      8            PDOP max  0.9
           Total GPS pos 6            HDOP max  0.5
           Monitor status Yes         VDOP max  0.7
           Horizontal SD 0.000        Vert SD   0.000
           Start wk 1071 sec 158008.0      End wk 1071   sec 158013.0
```

GPSVEC TP Point ID 3031 DX -1827.940 DY -556.963
Class Normal DZ -1841.377 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.021 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 158038.0 End wk 1071 sec 158043.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 158065.0
Init counter 52 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 158187.0
Init counter 53 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 193 DX -1450.985 DY -312.960
Class Normal DZ -1282.971 Code 302+16W NR GRD C
Mthd Phase Diff. H.pr 0.025 V.pr 0.041

F-CODE TP Code 302+16W NR GRD CTRL

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 158197.0 End wk 1071 sec 158201.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 158207.0
Init counter 53 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 158234.0
Init counter 54 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 194 DX -1450.970 DY -312.967
Class Normal DZ -1282.942 Code 302+16W NR GRD C
Mthd Phase Diff. H.pr 0.021 V.pr 0.035

F-CODE TP Code 302+16W NR GRD CTRL

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 158259.0 End wk 1071 sec 158264.0

GPSVEC TP Point ID 3032 DX -1449.300 DY -314.016
Class Normal DZ -1283.898 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 158293.0 End wk 1071 sec 158298.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 158310.0
Init counter 54 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 158593.0
Init counter 55 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 195 DX -1279.525 DY -239.751
Class Normal DZ -1075.026 Code 305+00W NR
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 158600.0 End wk 1071 sec 158609.0

```
INIT   KI  Init event   Lost          Week        1071
       Init type    On the fly       seconds     158617.0
       Init counter  55              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained        Week        1071
       Init type    On the fly       seconds     158641.0
       Init counter  56              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 196      DX  -1279.525      DY  -239.720
       Class Normal       DZ  -1075.004      Code 305+00W NR
       Mthd Phase Diff.   H.pr 0.023         V.pr 0.040

GPSQC1  NM  Min SVs      8            PDOP max  1.1
       Total GPS pos  4            HDOP max  0.6
       Monitor status Yes          VDOP max  1.0
       Horizontal SD  0.000        Vert SD   0.000
       Start wk 1071 sec 158647.0      End wk 1071   sec 158650.0

SVEC  TP  Point ID 3033      DX  -1278.237      DY  -240.625
       Class Normal       DZ  -1075.897      Code TOP LEVEE
       Mthd Phase Diff.   H.pr 0.020         V.pr 0.035

GPSQC1  NM  Min SVs      8            PDOP max  0.9
       Total GPS pos  6            HDOP max  0.5
       Monitor status Yes          VDOP max  0.8
       Horizontal SD  0.000        Vert SD   0.000
       Start wk 1071 sec 158684.0      End wk 1071   sec 158689.0

GPSVEC  TP  Point ID 3034      DX  -750.630       DY  99.346
       Class Normal       DZ  -290.171       Code TOP LEVEE
       Mthd Phase Diff.   H.pr 0.023         V.pr 0.040

GPSQC1  NM  Min SVs      8            PDOP max  1.0
       Total GPS pos  3            HDOP max  0.5
       Monitor status Yes          VDOP max  0.9
       Horizontal SD  0.000        Vert SD   0.000
       Start wk 1071 sec 158931.0      End wk 1071   sec 158939.0

GPSVEC  TP  Point ID 197      DX  -752.376       DY  100.161
       Class Normal       DZ  -289.628       Code 315+00W NR
       Mthd Phase Diff.   H.pr 0.020         V.pr 0.035
```

```
GPSQC1  NM  Min SVs       8              PDOP max  0.8
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 158978.0       End wk 1071   sec 158993.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      158998.0
        Init counter  56                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds      159026.0
        Init counter  57                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 198        DX  -752.374        DY   100.139
        Class Normal        DZ  -289.627        Code 315+00W NR
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.033

GPSQC1  NM  Min SVs       8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 159030.0       End wk 1071   sec 159034.0

GPSVEC  TP  Point ID 199        DX  -250.798        DY   456.058
        Class Normal        DZ   494.914        Code 325+00W NR
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.048

GPSQC1  NM  Min SVs       8              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 159127.0       End wk 1071   sec 159132.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds      159145.0
        Init counter  57                Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     159169.0
       Init counter  58               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 200       DX  -250.815       DY  456.044
       Class Normal        DZ  494.918        Code 325+00W NR
       Mthd Phase Diff.    H.pr 0.026         V.pr 0.045

GPSQC1  NM  Min SVs       8              PDOP max  1.0
       Total GPS pos  5              HDOP max  0.5
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 159176.0       End wk 1071   sec 159180.0

GPSVEC  TP  Point ID 3035      DX  -249.528       DY  455.332
       Class Normal        DZ  494.395        Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.024         V.pr 0.043

GPSQC1  NM  Min SVs       8              PDOP max  1.0
       Total GPS pos  5              HDOP max  0.5
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 159210.0       End wk 1071   sec 159215.0

GPSVEC  TP  Point ID 3036      DX  86.598         DY  906.946
       Class Normal        DZ  1319.201       Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.028         V.pr 0.049

GPSQC1  NM  Min SVs       8              PDOP max  0.9
       Total GPS pos  8              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 159279.0       End wk 1071   sec 159286.0

GPSVEC  TP  Point ID 201       DX  84.503         DY  907.640
       Class Normal        DZ  1319.304       Code 335+00W NR
       Mthd Phase Diff.    H.pr 0.018         V.pr 0.032

GPSQC1  NM  Min SVs       8              PDOP max  0.9
       Total GPS pos  8              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 159308.0       End wk 1071   sec 159315.0
```

```
INIT   KI  Init event   Lost          Week        1071
       Init type    On the fly       seconds     159321.0
       Init counter  58              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained        Week        1071
       Init type    On the fly       seconds     159346.0
       Init counter  59              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 202      DX  84.520        DY  907.628
       Class Normal       DZ  1319.322       Code 335+00W NR
       Mthd Phase Diff.   H.pr 0.022         V.pr 0.039

GPSQC1  NM  Min SVs      8            PDOP max  1.0
       Total GPS pos  6             HDOP max  0.5
       Monitor status Yes           VDOP max  0.8
       Horizontal SD  0.000          Vert SD   0.000
       Start wk 1071 sec 159350.0      End wk 1071   sec 159355.0

SVEC  TP  Point ID 203      DX  405.427       DY  1362.499
       Class Normal       DZ  2142.146       Code 345+00W NR
       Mthd Phase Diff.   H.pr 0.019         V.pr 0.044

GPSQC1  NM  Min SVs      7            PDOP max  1.2
       Total GPS pos  7             HDOP max  0.5
       Monitor status Yes           VDOP max  1.1
       Horizontal SD  0.000          Vert SD   0.000
       Start wk 1071 sec 159465.0      End wk 1071   sec 159471.0

INIT   KI  Init event   Lost          Week        1071
       Init type    On the fly       seconds     159486.0
       Init counter  59              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained        Week        1071
       Init type    On the fly       seconds     159516.0
       Init counter  60              Point ID    <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>
```

GPSVEC TP Point ID 204 DX 405.422 DY 1362.505
Class Normal DZ 2142.132 Code 345+00W NR
Mthd Phase Diff. H.pr 0.025 V.pr 0.060

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 159522.0 End wk 1071 sec 159529.0

GPSVEC TP Point ID 3037 DX 406.981 DY 1361.622
Class Normal DZ 2141.509 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.057

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 159557.0 End wk 1071 sec 159565.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 159580.0
Init counter 60 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 07/17/2000 Time 20:23:41

INIT KI Init event Gained Week 1071
Init type On the fly seconds 159833.0
Init counter 61 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 205 DX 926.204 DY 1715.325
Class Normal DZ 2928.979 Code 355+00W NR
Mthd Phase Diff. H.pr 0.024 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 159847.0 End wk 1071 sec 159853.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 159859.0
Init counter 61 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 159887.0
Init counter 62 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 206 DX 926.197 DY 1715.336
Class Normal DZ 2928.968 Code 355+00W NR
Mthd Phase Diff. H.pr 0.026 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 159894.0 End wk 1071 sec 159900.0

GPSVEC TP Point ID 3038 DX 927.567 DY 1714.376
Class Normal DZ 2928.098 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.025 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 159927.0 End wk 1071 sec 159930.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 159940.0
Init counter 62 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

SURVEY KI Elev mask 10 PDOP mask 6.0

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

```
SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/17/2000 Time 20:28:44

GPSANT  KI  Antenna ht 5.246              Measuremt True

GPSREF  KI  Reference BAS3

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     160366.0
        Init counter  1                 Point ID    <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000                 Serial no <no text>
        Radius    0.000                 V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

SVEC    TP  Point ID 207        DX   1162.901        DY   1503.648
        Class Normal        DZ   2768.791        Code 355+00E NR
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.034

GPSQC1  NM  Min SVs       8             PDOP max  0.9
        Total GPS pos  4                HDOP max  0.4
        Monitor status Yes              VDOP max  0.8
        Horizontal SD  0.000            Vert SD   0.000
        Start wk 1071 sec 160420.0      End wk 1071   sec 160434.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     160468.0
        Init counter  1                 Point ID    <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     160490.0
        Init counter  2                 Point ID    <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

```
GPSVEC  TP  Point ID 208        DX   1162.947        DY   1503.657
        Class Normal        DZ   2768.810        Code 355+00E NR
        Mthd Phase Diff.    H.pr 0.017          V.pr 0.029

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 160505.0       End wk 1071   sec 160510.0

GPSVEC  TP  Point ID 3039       DX   1161.456        DY   1504.934
        Class Normal        DZ   2769.481        Code TOP LEVEE
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.033

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 160541.0       End wk 1071   sec 160544.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     160549.0
        Init counter  2                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                 Serial no <no text>
        Radius    0.358                 V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE    TS  Time Date 07/18/2000 Time 16:08:14

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                 Serial no <no text>
        Radius    0.358                 V.Const   0.104

GPSANT  KI  Antenna ht 5.151            Measuremt Uncorrected
```

```
EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.151              Measuremt Uncorrected

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.151              Measuremt Uncorrected

GPSREF  KI  Reference BAS3

SURVEY  KI  Elev mask 10                  PDOP mask 6.0

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 07/18/2000 Time 16:10:45

GPSANT  KI  Antenna ht 5.243              Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly       seconds     231063.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Lost            Week        1071
       Init type     On the fly       seconds     231132.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
NOTE   TS  Time Date 07/18/2000 Time 16:40:29

INIT   KI  Init event   Gained          Week       1071
       Init type    On the fly       seconds     232841.0
       Init counter  3              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000               Serial no <no text>
       Radius    0.000               V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 209       DX   9703.378       DY   3532.789
       Class Normal        DZ   10532.185       Code 25+00S SC
       Mthd Phase Diff.    H.pr 0.016          V.pr 0.030

GPSQC1  NM  Min SVs       6              PDOP max  1.1
       Total GPS pos  5              HDOP max  0.5
       Monitor status Yes            VDOP max  1.0
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 232856.0       End wk 1071   sec 232860.0

INIT   KI  Init event   Lost            Week       1071
       Init type    On the fly       seconds     232866.0
       Init counter  3              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained          Week       1071
       Init type    On the fly       seconds     232916.0
       Init counter  4              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 210       DX   9703.367       DY   3532.769
       Class Normal        DZ   10532.193       Code 25+00S SC
       Mthd Phase Diff.    H.pr 0.019          V.pr 0.036
```

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 232945.0 End wk 1071 sec 232948.0

GPSVEC TP Point ID 3040 DX 9702.420 DY 3533.906
Class Normal DZ 10533.251 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 232972.0 End wk 1071 sec 232976.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 232987.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 233275.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 211 DX 10231.967 DY 3525.445
Class Normal DZ 10836.647 Code 31+00S SC
Mthd Phase Diff. H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233307.0 End wk 1071 sec 233310.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 233314.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 233394.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 212 DX 10231.953 DY 3525.449
Class Normal DZ 10836.638 Code 31+00S SC
Mthd Phase Diff. H.pr 0.019 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233406.0 End wk 1071 sec 233410.0

GPSVEC TP Point ID 3041 DX 10231.455 DY 3526.967
Class Normal DZ 10838.165 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.020 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233439.0 End wk 1071 sec 233443.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 233450.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 233661.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 213 DX 9544.206 DY 3743.335
Class Normal DZ 10736.519 Code 25+00N SC
Mthd Phase Diff. H.pr 0.021 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233717.0 End wk 1071 sec 233721.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 233725.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 233795.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 214 DX 9544.260 DY 3743.306
Class Normal DZ 10736.506 Code 25+00N SC
Mthd Phase Diff. H.pr 0.023 V.pr 0.035

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233806.0 End wk 1071 sec 233809.0

GPSVEC TP Point ID 3042 DX 9545.193 DY 3742.189
Class Normal DZ 10735.372 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.028 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 233835.0 End wk 1071 sec 233839.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 233845.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 234004.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 215 DX 10081.001 DY 3787.547
Class Normal DZ 11111.681 Code 31+50N SC
Mthd Phase Diff. H.pr 0.022 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 234035.0 End wk 1071 sec 234038.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 234042.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 234079.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 216 DX 10081.023 DY 3787.556
Class Normal DZ 11111.712 Code 31+50N SC
Mthd Phase Diff. H.pr 0.024 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 234083.0 End wk 1071 sec 234087.0

GPSVEC TP Point ID 3043 DX 10082.023 DY 3786.223
Class Normal DZ 11110.225 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 234110.0 End wk 1071 sec 234115.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 234121.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

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INIT KI Init event Gained Week 1071
Init type On the fly seconds 236184.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Lost Week 1071
Init type On the fly seconds 236227.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 236273.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Lost Week 1071
Init type On the fly seconds 236324.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 236575.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

SVEC TP Point ID 217 DX -13690.726 DY -11555.550
Class Normal DZ -24122.526 Code RM 3
Mthd Phase Diff. H.pr 0.023 V.pr 0.031

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 236580.0 End wk 1071 sec 236585.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 236589.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 236643.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

SVEC TP Point ID 218 DX -13690.720 DY -11555.565
Class Normal DZ -24122.534 Code RM 3
Mthd Phase Diff. H.pr 0.029 V.pr 0.040

GPSQC1 NM Min SVs 5 PDOP max 1.0
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 236648.0 End wk 1071 sec 236653.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 236677.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

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INIT KI Init event Gained Week 1071
Init type On the fly seconds 237998.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 219 DX 7986.826 DY 3236.563
Class Normal DZ 9135.429 Code 451+54E NR/SC
Mthd Phase Diff. H.pr 0.022 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238029.0 End wk 1071 sec 238033.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 238037.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 238069.0
Init counter 16 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 220 DX 7986.844 DY 3236.565
Class Normal DZ 9135.426 Code 451+54E NR/SC
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238077.0 End wk 1071 sec 238082.0

GPSVEC TP Point ID 3044 DX 7986.155 DY 3237.801
Class Normal DZ 9136.477 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.035

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238117.0 End wk 1071 sec 238122.0

GPSVEC TP Point ID 3045 DX 8109.593 DY 3235.931
Class Normal DZ 9202.851 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.036 V.pr 0.055

```
GPSQC1  NM  Min SVs      6              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 238167.0       End wk 1071   sec 238173.0

GPSVEC  TP  Point ID 221       DX   8110.200        DY   3234.629
        Class Normal        DZ   9201.679        Code 452+60E NR/SC
        Mthd Phase Diff.    H.pr 0.026           V.pr 0.039

GPSQC1  NM  Min SVs      6              PDOP max  0.8
        Total GPS pos  9              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 238195.0       End wk 1071   sec 238203.0

INIT    KI  Init event    Lost            Week        1071
        Init type     On the fly        seconds     238208.0
        Init counter  16                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1071
        Init type     On the fly        seconds     238296.0
        Init counter  17                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 222       DX   8110.193        DY   3234.660
        Class Normal        DZ   9201.697        Code 452+60E NR/SC
        Mthd Phase Diff.    H.pr 0.027           V.pr 0.041

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1071 sec 238300.0       End wk 1071   sec 238305.0

GPSVEC  TP  Point ID 223       DX   8718.064        DY   3319.886
        Class Normal        DZ   9669.016        Code 461+31E NR/SC
        Mthd Phase Diff.    H.pr 0.019           V.pr 0.028
```

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238616.0 End wk 1071 sec 238621.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 238629.0
Init counter 17 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 238669.0
Init counter 18 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 224 DX 8718.066 DY 3319.893
Class Normal DZ 9669.029 Code 461+31E NR/SC
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238675.0 End wk 1071 sec 238678.0

GPSVEC TP Point ID 3046 DX 8717.046 DY 3321.611
Class Normal DZ 9670.523 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 238706.0 End wk 1071 sec 238710.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 238718.0
Init counter 18 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                Serial no <no text>
       Radius    0.000                V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 07/18/2000 Time 19:03:49

NOTE   TS  Time Date 07/18/2000 Time 19:03:49

GPSANT  KI  Antenna ht 5.243                Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event    Gained          Week        1071
       Init type     On the fly       seconds      241652.0
       Init counter  1                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                Serial no <no text>
       Radius    0.000                V.Const   0.511

GPSANT  KI  Antenna ht 5.906                Measuremt Uncorrected

GPSVEC  TP  Point ID 225        DX   7857.514        DY   3431.265
       Class Normal        DZ   9332.077        Code 451+54W NR/SC
       Mthd Phase Diff.    H.pr 0.024          V.pr 0.045

GPSQC1  NM  Min SVs       9              PDOP max  0.6
       Total GPS pos  7              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000          Vert SD   0.000
       Start wk 1071 sec 241686.0       End wk 1071   sec 241692.0

INIT   KI  Init event    Lost            Week        1071
       Init type     On the fly       seconds      241697.0
       Init counter  1                Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     241721.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 226       DX   7857.494        DY   3431.273
       Class Normal        DZ   9332.058        Code 451+54W NR/SC
       Mthd Phase Diff.    H.pr 0.022          V.pr 0.040

GPSQC1  NM  Min SVs       9              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 241729.0       End wk 1071   sec 241732.0

GPSVEC  TP  Point ID 3047      DX   7858.316        DY   3430.215
       Class Normal        DZ   9330.790        Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.020          V.pr 0.037

GPSQC1  NM  Min SVs       9              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 241758.0       End wk 1071   sec 241761.0

GPSVEC  TP  Point ID 3048      DX   7979.363        DY   3433.934
       Class Normal        DZ   9403.173        Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.019          V.pr 0.036

GPSQC1  NM  Min SVs       9              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 241804.0       End wk 1071   sec 241807.0

GPSVEC  TP  Point ID 227       DX   7978.562        DY   3435.051
       Class Normal        DZ   9404.580        Code 452+60W NR/SC
       Mthd Phase Diff.    H.pr 0.024          V.pr 0.044

GPSQC1  NM  Min SVs       9              PDOP max  0.6
       Total GPS pos  7              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 241829.0       End wk 1071   sec 241835.0
```

INIT KI Init event Lost Week 1071
Init type On the fly seconds 241841.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 241865.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 228 DX 7978.544 DY 3435.036
Class Normal DZ 9404.579 Code 452+60W NR/SC
Mthd Phase Diff. H.pr 0.018 V.pr 0.034

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 241869.0 End wk 1071 sec 241873.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 241887.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 242076.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 229 DX 8264.458 DY 3735.851
Class Normal DZ 9990.863 Code 460+00W NR/SC
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 242084.0 End wk 1071 sec 242087.0

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     242092.0
       Init counter  4               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     242115.0
       Init counter  5               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 230       DX  8264.414        DY  3735.841
       Class Normal        DZ  9990.850        Code 460+00W NR/SC
       Mthd Phase Diff.    H.pr 0.020          V.pr 0.038

GPSQC1  NM  Min SVs       9              PDOP max  0.7
       Total GPS pos  6              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 242120.0       End wk 1071   sec 242125.0

GPSVEC  TP  Point ID 3049      DX  8266.091        DY  3735.150
       Class Normal        DZ  9990.714        Code TOP LEVEE
       Mthd Phase Diff.    H.pr 0.021          V.pr 0.039

GPSQC1  NM  Min SVs       9              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.4
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1071 sec 242153.0       End wk 1071   sec 242156.0

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     242246.0
       Init counter  5               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     242409.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

GPSVEC TP Point ID 231 DX 8489.135 DY 4245.471
Class Normal DZ 10830.728 Code 470+00W NR/SC
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 242415.0 End wk 1071 sec 242420.0

INIT KI Init event Lost Week 1071
Init type On the fly seconds 242432.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1071
Init type On the fly seconds 242461.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 232 DX 8489.168 DY 4245.474
Class Normal DZ 10830.739 Code 470+00W NR/SC
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 242467.0 End wk 1071 sec 242472.0

GPSVEC TP Point ID 3050 DX 8491.167 DY 4244.933
Class Normal DZ 10830.612 Code TOP LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.043

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1071 sec 242505.0 End wk 1071 sec 242509.0

```
INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     242534.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1071
       Init type    On the fly        seconds     242983.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Lost            Week        1071
       Init type    On the fly        seconds     243045.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

SURVEY  KI  Elev mask 10                    PDOP mask 6.0

EQUIP   BA  Receiver  4800                  Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                 Serial no <no text>
        Radius    0.358                 V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE    TS  Time Date 07/28/2000 Time 14:54:19

EQUIP   BA  Receiver  4800                  Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                 Serial no <no text>
        Radius    0.358                 V.Const   0.104

GPSANT  KI  Antenna ht 4.990                Measuremt Uncorrected

EQUIP   BA  Receiver  4800                  Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                 Serial no <no text>
        Radius    0.358                 V.Const   0.104

GPSANT  KI  Antenna ht 4.990                Measuremt Uncorrected
```

```
EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 4.990              Measuremt Uncorrected

GPSREF  KI  Reference BAS3

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 07/28/2000 Time 14:54:49

SURVEY  KI  Elev mask 10              PDOP mask 6.0

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 07/28/2000 Time 14:55:12

GPSANT  KI  Antenna ht 5.082              Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event    Gained          Week        1072
       Init type     On the fly       seconds     486678.0
       Init counter  1                Point ID    <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 233       DX  -5877.100       DY  -5115.453
       Class Normal       DZ  -10603.733       Code SG 165+00E
       Mthd Phase Diff.    H.pr 0.030          V.pr 0.062

GPSQC1  NM  Min SVs      6              PDOP max  0.7
       Total GPS pos  26              HDOP max  0.3
       Monitor status Yes             VDOP max  0.7
       Horizontal SD  0.000           Vert SD  0.000
       Start wk 1072 sec 486873.0       End wk 1072   sec 486900.0

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds      486907.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds      486992.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 234       DX  -5877.094       DY  -5115.484
       Class Normal       DZ  -10603.736       Code SG 165+00E
       Mthd Phase Diff.    H.pr 0.023          V.pr 0.048

GPSQC1  NM  Min SVs      6              PDOP max  1.1
       Total GPS pos  11              HDOP max  0.5
       Monitor status Yes             VDOP max  1.0
       Horizontal SD  0.000           Vert SD  0.000
       Start wk 1072 sec 487002.0       End wk 1072   sec 487012.0

NOTE   KI  LINE. Name: 1, Code: , Method: Two points, Start pt: 233,

NOTE   KI  End pt: 121, Azimuth: 109.020°, Length: 18.058ft,

NOTE   KI  Grade: 39.108°
```

GPSVEC TP Point ID 3051 DX -5879.792 DY -5109.737
Class Normal DZ -10604.379 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.025 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 7 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487126.0 End wk 1072 sec 487132.0

GPSVEC TP Point ID 3052 DX -5885.345 DY -5105.404
Class Normal DZ -10603.126 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.065

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 7 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487161.0 End wk 1072 sec 487168.0

GPSVEC TP Point ID 3053 DX -5899.544 DY -5096.796
Class Normal DZ -10598.403 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487191.0 End wk 1072 sec 487199.0

GPSVEC TP Point ID 3054 DX -5911.612 DY -5088.964
Class Normal DZ -10594.590 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.065

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487222.0 End wk 1072 sec 487229.0

GPSVEC TP Point ID 3055 DX -5927.892 DY -5086.437
Class Normal DZ -10584.887 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.048

```
GPSQC1  NM  Min SVs      8              PDOP max  0.8
        Total GPS pos  8              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 487267.0       End wk 1072   sec 487275.0

GPSVEC  TP  Point ID 3056      DX  -5932.875       DY  -5080.201
        Class Normal        DZ  -10584.587       Code GRD
        Mthd Phase Diff.    H.pr 0.029           V.pr 0.052

GPSQC1  NM  Min SVs      9              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 487290.0       End wk 1072   sec 487294.0

GPSVEC  TP  Point ID 3057      DX  -5945.940       DY  -5072.300
        Class Normal        DZ  -10580.483       Code GRD
        Mthd Phase Diff.    H.pr 0.025           V.pr 0.045

GPSQC1  NM  Min SVs      9              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 487313.0       End wk 1072   sec 487315.0

GPSVEC  TP  Point ID 3058      DX  -5957.407       DY  -5065.581
        Class Normal        DZ  -10576.275       Code GRD
        Mthd Phase Diff.    H.pr 0.028           V.pr 0.052

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 487347.0       End wk 1072   sec 487351.0

GPSVEC  TP  Point ID 3059      DX  -5971.981       DY  -5057.054
        Class Normal        DZ  -10571.228       Code GRD
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.055

GPSQC1  NM  Min SVs      7              PDOP max  1.7
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 487374.0       End wk 1072   sec 487377.0
```

NOTE TS Time Date 07/28/2000 Time 15:23:35

GPSVEC TP Point ID 3060 DX -5985.792 DY -5051.260
Class Normal DZ -10564.386 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 13 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487413.0 End wk 1072 sec 487426.0

GPSVEC TP Point ID 3061 DX -5988.895 DY -5049.162
Class Normal DZ -10563.485 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487446.0 End wk 1072 sec 487450.0

GPSVEC TP Point ID 3062 DX -5992.913 DY -5045.465
Class Normal DZ -10563.108 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 1.7
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487463.0 End wk 1072 sec 487466.0

GPSVEC TP Point ID 3063 DX -5997.590 DY -5038.967
Class Normal DZ -10563.260 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487482.0 End wk 1072 sec 487488.0

GPSVEC TP Point ID 3064 DX -6004.646 DY -5033.908
Class Normal DZ -10561.221 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 9 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487503.0 End wk 1072 sec 487511.0

GPSVEC TP Point ID 3065 DX -6011.448 DY -5024.273
Class Normal DZ -10560.886 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487529.0 End wk 1072 sec 487533.0

GPSVEC TP Point ID 3066 DX -6021.229 DY -5018.230
Class Normal DZ -10557.908 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487548.0 End wk 1072 sec 487552.0

GPSVEC TP Point ID 3067 DX -6037.340 DY -5007.412
Class Normal DZ -10552.534 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.059

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487570.0 End wk 1072 sec 487577.0

GPSVEC TP Point ID 3068 DX -6053.349 DY -4997.058
Class Normal DZ -10547.237 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487588.0 End wk 1072 sec 487592.0

GPSVEC TP Point ID 3069 DX -6070.952 DY -4985.950
Class Normal DZ -10541.166 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.059

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 17 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487614.0 End wk 1072 sec 487630.0

GPSVEC TP Point ID 3070 DX -6086.523 DY -4975.484
Class Normal DZ -10535.881 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 13 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487647.0 End wk 1072 sec 487660.0

GPSVEC TP Point ID 3071 DX -6102.340 DY -4965.023
Class Normal DZ -10530.670 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 14 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487677.0 End wk 1072 sec 487690.0

GPSVEC TP Point ID 3072 DX -6119.413 DY -4953.674
Class Normal DZ -10524.879 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 9 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487716.0 End wk 1072 sec 487724.0

GPSVEC TP Point ID 235 DX -6361.985 DY -4844.869
Class Normal DZ -10502.910 Code SG 165+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487886.0 End wk 1072 sec 487890.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 487896.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 487923.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 236 DX -6362.004 DY -4844.853
Class Normal DZ -10502.914 Code SG 165+00W
Mthd Phase Diff. H.pr 0.023 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 487933.0 End wk 1072 sec 487938.0

NOTE KI LINE. Name: 2, Code: , Method: Two points, Start pt: 235,

NOTE KI End pt: 164, Azimuth: 271.078°, Length: 15.614ft,

NOTE KI Grade: 42.963°

GPSVEC TP Point ID 3073 DX -6356.940 DY -4843.357
Class Normal DZ -10505.254 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.060

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488031.0 End wk 1072 sec 488043.0

GPSVEC TP Point ID 3074 DX -6347.992 DY -4845.958
Class Normal DZ -10505.759 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488066.0 End wk 1072 sec 488069.0

GPSVEC TP Point ID 3075 DX -6332.430 DY -4852.987
Class Normal DZ -10505.856 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.061

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488092.0 End wk 1072 sec 488097.0

GPSVEC TP Point ID 3076 DX -6318.346 DY -4859.358
Class Normal DZ -10506.114 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.060

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488124.0 End wk 1072 sec 488131.0

GPSVEC TP Point ID 3077 DX -6309.188 DY -4862.579
Class Normal DZ -10506.415 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488150.0 End wk 1072 sec 488155.0

GPSVEC TP Point ID 3078 DX -6291.304 DY -4870.690
Class Normal DZ -10506.229 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.056

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488182.0 End wk 1072 sec 488185.0

GPSVEC TP Point ID 3079 DX -6276.523 DY -4876.330
Class Normal DZ -10506.470 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 9 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488206.0 End wk 1072 sec 488214.0

GPSVEC TP Point ID 3080 DX -6257.754 DY -4884.557
Class Normal DZ -10506.813 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488237.0 End wk 1072 sec 488248.0

GPSVEC TP Point ID 3081 DX -6243.473 DY -4890.599
Class Normal DZ -10506.902 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488265.0 End wk 1072 sec 488272.0

GPSVEC TP Point ID 3082 DX -6240.939 DY -4892.281
Class Normal DZ -10506.854 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.064

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488285.0 End wk 1072 sec 488291.0

GPSVEC TP Point ID 3083 DX -6225.371 DY -4898.477
Class Normal DZ -10506.987 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488310.0 End wk 1072 sec 488315.0

GPSVEC TP Point ID 3084 DX -6215.960 DY -4902.068
Class Normal DZ -10507.166 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.058

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488330.0 End wk 1072 sec 488338.0

GPSVEC TP Point ID 3085 DX -6201.679 DY -4907.837
Class Normal DZ -10507.710 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488353.0 End wk 1072 sec 488361.0

GPSVEC TP Point ID 3086 DX -6199.133 DY -4909.376
Class Normal DZ -10507.444 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.064

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488379.0 End wk 1072 sec 488383.0

GPSVEC TP Point ID 3087 DX -6182.816 DY -4915.987
Class Normal DZ -10507.796 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488406.0 End wk 1072 sec 488409.0

GPSVEC TP Point ID 3088 DX -6175.143 DY -4919.099
Class Normal DZ -10507.928 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.059

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488433.0 End wk 1072 sec 488443.0

GPSVEC TP Point ID 3089 DX -6171.146 DY -4921.644
Class Normal DZ -10508.071 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.058

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488467.0 End wk 1072 sec 488479.0

GPSVEC TP Point ID 3090 DX -6160.439 DY -4925.208
Class Normal DZ -10508.457 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.057

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488495.0 End wk 1072 sec 488504.0

GPSVEC TP Point ID 3091 DX -6149.959 DY -4929.389
Class Normal DZ -10508.499 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.059

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 14 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488523.0 End wk 1072 sec 488536.0

GPSVEC TP Point ID 3092 DX -6144.827 DY -4931.853
Class Normal DZ -10508.299 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488548.0 End wk 1072 sec 488557.0

GPSVEC TP Point ID 3093 DX -6129.660 DY -4938.160
Class Normal DZ -10508.802 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 16 HDOP max 0.3
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488583.0 End wk 1072 sec 488599.0

GPSVEC TP Point ID 3094 DX -6122.413 DY -4940.786
Class Normal DZ -10509.254 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488618.0 End wk 1072 sec 488627.0

GPSVEC TP Point ID 3095 DX -6103.950 DY -4949.038
Class Normal DZ -10508.809 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488651.0 End wk 1072 sec 488655.0

GPSVEC TP Point ID 3096 DX -6083.101 DY -4957.503
Class Normal DZ -10509.449 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.057

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 488675.0 End wk 1072 sec 488679.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 488757.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 07/28/2000 Time 15:56:44

INIT KI Init event Gained Week 1072
Init type On the fly seconds 489416.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 237 DX -5723.690 DY -4576.190
Class Normal DZ -9759.355 Code SG 175+00E
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 489471.0 End wk 1072 sec 489480.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 489486.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 489554.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 238 DX -5723.655 DY -4576.217
Class Normal DZ -9759.362 Code SG 175+00E
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 489573.0 End wk 1072 sec 489595.0

NOTE KI LINE. Name: 3, Code: , Method: Two points, Start pt: 237,

NOTE KI End pt: 122, Azimuth: 82.533°, Length: 16.270ft,

NOTE KI Grade: 39.757°

GPSVEC TP Point ID 3097 DX -5726.526 DY -4571.507
Class Normal DZ -9762.431 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.029 V.pr 0.062

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 14 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 489719.0 End wk 1072 sec 489734.0

GPSVEC TP Point ID 3098 DX -5736.543 DY -4567.440
Class Normal DZ -9763.952 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 489752.0 End wk 1072 sec 489759.0

GPSVEC TP Point ID 3099 DX -5748.179 DY -4564.197
Class Normal DZ -9764.962 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490232.0 End wk 1072 sec 490235.0

GPSVEC TP Point ID 3100 DX -5765.133 DY -4567.985
Class Normal DZ -9760.581 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.047

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GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490451.0      End wk 1072   sec 490455.0

GPSVEC  TP  Point ID 3101      DX  -5773.399       DY  -4561.643
        Class Normal        DZ  -9763.738       Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.051

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490483.0      End wk 1072   sec 490487.0

GPSVEC  TP  Point ID 3102      DX  -5776.972       DY  -4560.226
        Class Normal        DZ  -9764.592       Code GRD
        Mthd Phase Diff.    H.pr 0.034          V.pr 0.052

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490503.0      End wk 1072   sec 490506.0

GPSVEC  TP  Point ID 3103      DX  -5781.071       DY  -4557.425
        Class Normal        DZ  -9766.028       Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.051

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490517.0      End wk 1072   sec 490520.0

GPSVEC  TP  Point ID 3104      DX  -5788.377       DY  -4555.159
        Class Normal        DZ  -9766.892       Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.037

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490536.0      End wk 1072   sec 490540.0
```

GPSVEC TP Point ID 3105 DX -5803.737 DY -4550.161
Class Normal DZ -9768.667 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490591.0 End wk 1072 sec 490623.0

GPSVEC TP Point ID 3106 DX -5820.885 DY -4544.603
Class Normal DZ -9770.968 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490645.0 End wk 1072 sec 490649.0

GPSVEC TP Point ID 3107 DX -5829.068 DY -4543.137
Class Normal DZ -9770.825 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.051

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490673.0 End wk 1072 sec 490679.0

GPSVEC TP Point ID 3108 DX -5838.397 DY -4539.749
Class Normal DZ -9772.372 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.048

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490705.0 End wk 1072 sec 490709.0

GPSVEC TP Point ID 3109 DX -5848.890 DY -4531.580
Class Normal DZ -9776.465 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490732.0 End wk 1072 sec 490735.0

GPSVEC TP Point ID 3110 DX -5856.611 DY -4529.078
Class Normal DZ -9777.880 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490761.0 End wk 1072 sec 490763.0

GPSVEC TP Point ID 3111 DX -5874.518 DY -4522.928
Class Normal DZ -9779.715 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490788.0 End wk 1072 sec 490792.0

GPSVEC TP Point ID 3112 DX -5890.873 DY -4517.641
Class Normal DZ -9782.055 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490816.0 End wk 1072 sec 490821.0

GPSVEC TP Point ID 3113 DX -5910.146 DY -4511.451
Class Normal DZ -9784.120 Code GRD
Mthd Phase Diff. H.pr 0.040 V.pr 0.059

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490845.0 End wk 1072 sec 490847.0

GPSVEC TP Point ID 3114 DX -5921.882 DY -4507.656
Class Normal DZ -9785.543 Code GRD
Mthd Phase Diff. H.pr 0.044 V.pr 0.064

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490871.0 End wk 1072 sec 490874.0

GPSVEC TP Point ID 3115 DX -5925.125 DY -4506.979
Class Normal DZ -9785.541 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490885.0 End wk 1072 sec 490889.0

GPSVEC TP Point ID 3116 DX -5928.574 DY -4505.584
Class Normal DZ -9786.254 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.047

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490907.0 End wk 1072 sec 490910.0

GPSVEC TP Point ID 3117 DX -5949.090 DY -4498.856
Class Normal DZ -9788.493 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 490936.0 End wk 1072 sec 490942.0

GPSVEC TP Point ID 3118 DX -5967.902 DY -4492.408
Class Normal DZ -9790.684 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.044

```
GPSQC1  NM  Min SVs      6              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490968.0      End wk 1072   sec 490972.0

GPSVEC  TP  Point ID 3119      DX  -5987.053       DY  -4486.432
        Class Normal       DZ  -9793.195       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.043

GPSQC1  NM  Min SVs      7              PDOP max  0.7
        Total GPS pos  7              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 490997.0      End wk 1072   sec 491003.0

GPSVEC  TP  Point ID 3120      DX  -6005.846       DY  -4480.275
        Class Normal       DZ  -9795.455       Code GRD
        Mthd Phase Diff.    H.pr 0.036          V.pr 0.051

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 491023.0      End wk 1072   sec 491026.0

GPSVEC  TP  Point ID 239       DX  -6069.520       DY  -4375.394
        Class Normal       DZ  -9676.498       Code SG 175+00W
        Mthd Phase Diff.    H.pr 0.039          V.pr 0.051

GPSQC1  NM  Min SVs      6              PDOP max  0.6
        Total GPS pos  9              HDOP max  0.4
        Monitor status Yes            VDOP max  0.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 491173.0      End wk 1072   sec 491182.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds     491190.0
        Init counter  5                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

NOTE    TS  Time Date 07/28/2000 Time 16:28:44
```

```
INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     491335.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 240       DX  -6069.523       DY  -4375.458
       Class Normal        DZ  -9676.516       Code SG 175+00W
       Mthd Phase Diff.    H.pr 0.042          V.pr 0.059

GPSQC1  NM  Min SVs       6              PDOP max  0.6
       Total GPS pos  19              HDOP max  0.3
       Monitor status Yes             VDOP max  0.4
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 491377.0       End wk 1072   sec 491402.0

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     491423.0
       Init counter  6               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     491531.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

NOTE   KI  LINE. Name: 4, Code: , Method: Two points, Start pt: 239,

NOTE   KI  End pt: 166, Azimuth: 270.233°, Length: 18.352ft,

NOTE   KI  Grade: 42.350°

GPSVEC  TP  Point ID 3121      DX  -6064.729       DY  -4373.788
       Class Normal        DZ  -9678.813       Code TOE LEVEE
       Mthd Phase Diff.    H.pr 0.043          V.pr 0.060

GPSQC1  NM  Min SVs       5              PDOP max  0.6
       Total GPS pos  18              HDOP max  0.3
       Monitor status Yes             VDOP max  0.5
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 491623.0       End wk 1072   sec 491641.0
```

GPSVEC TP Point ID 3122 DX -6048.183 DY -4379.988
Class Normal DZ -9679.158 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.059

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491675.0 End wk 1072 sec 491681.0

GPSVEC TP Point ID 3123 DX -6032.617 DY -4386.242
Class Normal DZ -9679.073 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.045

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491712.0 End wk 1072 sec 491717.0

GPSVEC TP Point ID 3124 DX -6012.998 DY -4394.281
Class Normal DZ -9679.267 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491744.0 End wk 1072 sec 491749.0

GPSVEC TP Point ID 3125 DX -5994.309 DY -4401.646
Class Normal DZ -9679.157 Code GRD
Mthd Phase Diff. H.pr 0.045 V.pr 0.058

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491767.0 End wk 1072 sec 491770.0

GPSVEC TP Point ID 3126 DX -5976.697 DY -4409.560
Class Normal DZ -9679.131 Code GRD
Mthd Phase Diff. H.pr 0.039 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491785.0 End wk 1072 sec 491789.0

GPSVEC TP Point ID 3127 DX -5957.384 DY -4417.586
Class Normal DZ -9679.140 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491820.0 End wk 1072 sec 491824.0

GPSVEC TP Point ID 3128 DX -5938.613 DY -4424.664
Class Normal DZ -9678.979 Code GRD
Mthd Phase Diff. H.pr 0.045 V.pr 0.057

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491846.0 End wk 1072 sec 491852.0

GPSVEC TP Point ID 3129 DX -5921.163 DY -4431.888
Class Normal DZ -9678.947 Code GRD
Mthd Phase Diff. H.pr 0.046 V.pr 0.059

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491874.0 End wk 1072 sec 491877.0

GPSVEC TP Point ID 3130 DX -5901.293 DY -4440.203
Class Normal DZ -9679.271 Code GRD
Mthd Phase Diff. H.pr 0.039 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491901.0 End wk 1072 sec 491905.0

GPSVEC TP Point ID 3131 DX -5883.730 DY -4447.317
Class Normal DZ -9679.413 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491928.0 End wk 1072 sec 491933.0

GPSVEC TP Point ID 3132 DX -5865.972 DY -4455.055
Class Normal DZ -9679.037 Code GRD
Mthd Phase Diff. H.pr 0.039 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491957.0 End wk 1072 sec 491961.0

GPSVEC TP Point ID 3133 DX -5858.591 DY -4458.415
Class Normal DZ -9678.900 Code GRD
Mthd Phase Diff. H.pr 0.041 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491979.0 End wk 1072 sec 491986.0

GPSVEC TP Point ID 3134 DX -5854.989 DY -4459.138
Class Normal DZ -9679.424 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 491998.0 End wk 1072 sec 492006.0

GPSVEC TP Point ID 3135 DX -5843.581 DY -4464.187
Class Normal DZ -9679.020 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 492026.0 End wk 1072 sec 492030.0

GPSVEC TP Point ID 3136 DX -5831.869 DY -4468.583
Class Normal DZ -9679.023 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 492046.0 End wk 1072 sec 492050.0

GPSVEC TP Point ID 3137 DX -5822.827 DY -4476.154
Class Normal DZ -9676.686 Code GRD
Mthd Phase Diff. H.pr 0.047 V.pr 0.059

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 492070.0 End wk 1072 sec 492074.0

GPSVEC TP Point ID 3138 DX -5819.560 DY -4477.036
Class Normal DZ -9676.889 Code GRD
Mthd Phase Diff. H.pr 0.041 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 492091.0 End wk 1072 sec 492093.0

GPSVEC TP Point ID 3139 DX -5808.756 DY -4482.171
Class Normal DZ -9676.842 Code GRD
Mthd Phase Diff. H.pr 0.045 V.pr 0.057

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 492118.0 End wk 1072 sec 492123.0

```
GPSVEC  TP  Point ID 3140       DX  -5791.880       DY  -4489.502
        Class Normal        DZ  -9676.618       Code GRD
        Mthd Phase Diff.    H.pr 0.036          V.pr 0.046

GPSQC1  NM  Min SVs     6               PDOP max  0.9
        Total GPS pos  5            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000          Vert SD   0.000
        Start wk 1072 sec 492151.0      End wk 1072   sec 492155.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds     492163.0
        Init counter  7                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000               Serial no <no text>
        Radius    0.000               V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/28/2000 Time 18:23:36

GPSANT  KI  Antenna ht 5.082            Measuremt True

GPSREF  KI  Reference BAS3

NIT     KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds     498268.0
        Init counter  1                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000               Serial no <no text>
        Radius    0.000               V.Const   0.511

SANT    KI  Antenna ht 5.906            Measuremt Uncorrected
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```
INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     498454.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     498585.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 241        DX  -5958.080        DY  -3833.146
       Class Normal        DZ  -8852.889        Code SG 185+00W
       Mthd Phase Diff.    H.pr 0.028           V.pr 0.056

GPSQC1  NM  Min SVs       8              PDOP max  0.7
       Total GPS pos  8              HDOP max  0.3
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 498634.0       End wk 1072   sec 498641.0

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     498645.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     498699.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 242        DX  -5958.076        DY  -3833.189
       Class Normal        DZ  -8852.899        Code SG 185+00W
       Mthd Phase Diff.    H.pr 0.025           V.pr 0.051

GPSQC1  NM  Min SVs       8              PDOP max  0.7
       Total GPS pos  9              HDOP max  0.3
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 498706.0       End wk 1072   sec 498714.0

TE   KI  LINE. Name: 5, Code: , Method: Two points, Start pt: 241,
```

NOTE KI End pt: 168, Azimuth: 271.429°, Length: 16.775ft,

NOTE KI Grade: 40.101°

GPSVEC TP Point ID 3141 DX -5953.193 DY -3831.887
Class Normal DZ -8855.321 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.026 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498805.0 End wk 1072 sec 498808.0

GPSVEC TP Point ID 3142 DX -5949.457 DY -3832.691
Class Normal DZ -8855.467 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498827.0 End wk 1072 sec 498830.0

GPSVEC TP Point ID 3143 DX -5931.474 DY -3840.193
Class Normal DZ -8855.836 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498850.0 End wk 1072 sec 498853.0

GPSVEC TP Point ID 3144 DX -5913.474 DY -3847.748
Class Normal DZ -8856.313 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.057

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498867.0 End wk 1072 sec 498870.0

GPSVEC TP Point ID 3145 DX -5896.615 DY -3855.639
Class Normal DZ -8856.245 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498887.0 End wk 1072 sec 498890.0

GPSVEC TP Point ID 3146 DX -5878.725 DY -3863.519
Class Normal DZ -8856.187 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.057

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498919.0 End wk 1072 sec 498922.0

GPSVEC TP Point ID 3147 DX -5870.122 DY -3872.420
Class Normal DZ -8853.435 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.064

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498943.0 End wk 1072 sec 498948.0

GPSVEC TP Point ID 3148 DX -5864.038 DY -3878.214
Class Normal DZ -8851.839 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498967.0 End wk 1072 sec 498971.0

GPSVEC TP Point ID 3149 DX -5853.491 DY -3878.005
Class Normal DZ -8854.587 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.043

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 498998.0 End wk 1072 sec 499001.0

GPSVEC TP Point ID 3150 DX -5838.575 DY -3884.993
Class Normal DZ -8854.494 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 9 PDOP max 0.5
Total GPS pos 10 HDOP max 0.2
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499019.0 End wk 1072 sec 499029.0

GPSVEC TP Point ID 3151 DX -5818.415 DY -3893.610
Class Normal DZ -8854.957 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.053

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499058.0 End wk 1072 sec 499062.0

GPSVEC TP Point ID 3152 DX -5812.437 DY -3897.148
Class Normal DZ -8854.435 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499078.0 End wk 1072 sec 499080.0

GPSVEC TP Point ID 3153 DX -5799.892 DY -3901.984
Class Normal DZ -8854.668 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.062

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499097.0 End wk 1072 sec 499100.0

GPSVEC TP Point ID 3154 DX -5781.195 DY -3911.190
Class Normal DZ -8854.172 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.060

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499121.0 End wk 1072 sec 499125.0

GPSVEC TP Point ID 3155 DX -5775.512 DY -3912.603
Class Normal DZ -8855.184 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.050

GPSQC1 NM Min SVs 9 PDOP max 0.5
Total GPS pos 9 HDOP max 0.2
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499140.0 End wk 1072 sec 499150.0

GPSVEC TP Point ID 3156 DX -5763.459 DY -3917.711
Class Normal DZ -8855.056 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.055

SQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 7 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499167.0 End wk 1072 sec 499173.0

GPSVEC TP Point ID 3157 DX -5752.157 DY -3922.366
Class Normal DZ -8855.729 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499191.0 End wk 1072 sec 499194.0

GPSVEC TP Point ID 3158 DX -5740.968 DY -3928.306
Class Normal DZ -8855.199 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

```
GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 499258.0       End wk 1072   sec 499262.0

GPSVEC  TP  Point ID 3159      DX  -5736.636       DY  -3929.342
        Class Normal        DZ  -8855.909       Code GRD
        Mthd Phase Diff.    H.pr 0.030          V.pr 0.058

GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  5              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 499287.0       End wk 1072   sec 499291.0

GPSVEC  TP  Point ID 3160      DX  -5725.738       DY  -3933.951
        Class Normal        DZ  -8855.983       Code GRD
        Mthd Phase Diff.    H.pr 0.029          V.pr 0.055

GPSQC1  NM  Min SVs      9              PDOP max  0.6
        Total GPS pos  9              HDOP max  0.3
        Monitor status Yes            VDOP max  0.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 499312.0       End wk 1072   sec 499320.0

GPSVEC  TP  Point ID 3161      DX  -5717.975       DY  -3939.226
        Class Normal        DZ  -8854.856       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.055

GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 499336.0       End wk 1072   sec 499341.0

GPSVEC  TP  Point ID 3162      DX  -5708.250       DY  -3942.983
        Class Normal        DZ  -8855.363       Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.046

GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  5              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 499358.0       End wk 1072   sec 499362.0
```

GPSVEC TP Point ID 3163 DX -5690.774 DY -3952.112
Class Normal DZ -8854.507 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.047

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499385.0 End wk 1072 sec 499388.0

GPSVEC TP Point ID 3164 DX -5669.577 DY -3951.858
Class Normal DZ -8860.740 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.050

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499434.0 End wk 1072 sec 499438.0

GPSVEC TP Point ID 243 DX -5582.384 DY -4083.343
Class Normal DZ -8986.807 Code SG 185+00E
Mthd Phase Diff. H.pr 0.024 V.pr 0.042

SQC1 NM Min SVs 7 PDOP max 0.6
Total GPS pos 18 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499619.0 End wk 1072 sec 499638.0

INIT KI Init event Lost(RMS) Week 1072
Init type On the fly seconds 499695.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 499729.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 244 DX -5582.395 DY -4083.363
Class Normal DZ -8986.778 Code SG 185+00E
Mthd Phase Diff. H.pr 0.035 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499779.0 End wk 1072 sec 499787.0

NOTE KI LINE. Name: 6, Code: , Method: Two points, Start pt: 244,

NOTE KI End pt: 125, Azimuth: 89.694°, Length: 16.239ft,

NOTE KI Grade: 39.633°

GPSVEC TP Point ID 3165 DX -5584.551 DY -4078.617
Class Normal DZ -8989.137 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.016 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499901.0 End wk 1072 sec 499911.0

GPSVEC TP Point ID 3166 DX -5591.451 DY -4075.262
Class Normal DZ -8989.924 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.061

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 22 HDOP max 0.3
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499945.0 End wk 1072 sec 499981.0

GPSVEC TP Point ID 3167 DX -5601.745 DY -4070.786
Class Normal DZ -8989.796 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 499996.0 End wk 1072 sec 500001.0

NOTE TS Time Date 07/28/2000 Time 18:54:06

GPSVEC TP Point ID 3168 DX -5609.493 DY -4068.619
Class Normal DZ -8989.417 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500055.0 End wk 1072 sec 500057.0

GPSVEC TP Point ID 3169 DX -5613.495 DY -4066.475
Class Normal DZ -8990.172 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500122.0 End wk 1072 sec 500125.0

GPSVEC TP Point ID 3170 DX -5631.159 DY -4059.174
Class Normal DZ -8990.035 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500146.0 End wk 1072 sec 500149.0

GPSVEC TP Point ID 3171 DX -5649.448 DY -4051.931
Class Normal DZ -8990.330 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.064

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500168.0 End wk 1072 sec 500173.0

GPSVEC TP Point ID 3172 DX -5664.766 DY -4045.543
Class Normal DZ -8990.239 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500191.0 End wk 1072 sec 500198.0

GPSVEC TP Point ID 3173 DX -5687.510 DY -4046.051
Class Normal DZ -8984.332 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.063

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500249.0 End wk 1072 sec 500256.0

GPSVEC TP Point ID 3174 DX -5692.253 DY -4042.883
Class Normal DZ -8985.236 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.063

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500271.0 End wk 1072 sec 500278.0

GPSVEC TP Point ID 3175 DX -5699.592 DY -4040.369
Class Normal DZ -8985.073 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500295.0 End wk 1072 sec 500298.0

GPSVEC TP Point ID 3176 DX -5709.931 DY -4035.918
Class Normal DZ -8984.921 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500317.0 End wk 1072 sec 500321.0

GPSVEC TP Point ID 3177 DX -5715.192 DY -4032.415
Class Normal DZ -8986.131 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500333.0 End wk 1072 sec 500338.0

GPSVEC TP Point ID 3178 DX -5729.919 DY -4027.351
Class Normal DZ -8985.729 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500366.0 End wk 1072 sec 500373.0

GPSVEC TP Point ID 3179 DX -5738.579 DY -4021.915
Class Normal DZ -8986.852 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500397.0 End wk 1072 sec 500400.0

GPSVEC TP Point ID 3180 DX -5750.565 DY -4017.738
Class Normal DZ -8986.549 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500414.0 End wk 1072 sec 500417.0

GPSVEC TP Point ID 3181 DX -5760.954 DY -4014.469
Class Normal DZ -8985.876 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

```
GPSQC1  NM  Min SVs      8            PDOP max  1.1
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 500432.0      End wk 1072   sec 500435.0

GPSVEC  TP  Point ID 3182      DX  -5771.627       DY  -4008.860
        Class Normal       DZ  -8987.134       Code GRD
        Mthd Phase Diff.   H.pr 0.022          V.pr 0.040

GPSQC1  NM  Min SVs      8            PDOP max  1.1
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 500459.0      End wk 1072   sec 500462.0

GPSVEC  TP  Point ID 3183      DX  -5784.563       DY  -4003.938
        Class Normal       DZ  -8987.363       Code GRD
        Mthd Phase Diff.   H.pr 0.023          V.pr 0.044

GPSQC1  NM  Min SVs      8            PDOP max  0.8
        Total GPS pos  7            HDOP max  0.4
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 500478.0      End wk 1072   sec 500484.0

GPSVEC  TP  Point ID 3184      DX  -5795.792       DY  -3998.999
        Class Normal       DZ  -8987.224       Code GRD
        Mthd Phase Diff.   H.pr 0.020          V.pr 0.037

GPSQC1  NM  Min SVs      8            PDOP max  0.9
        Total GPS pos  6            HDOP max  0.4
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 500497.0      End wk 1072   sec 500502.0

GPSVEC  TP  Point ID 3185      DX  -5800.120       DY  -3998.260
        Class Normal       DZ  -8986.784       Code GRD
        Mthd Phase Diff.   H.pr 0.027          V.pr 0.050

GPSQC1  NM  Min SVs      8            PDOP max  0.9
        Total GPS pos  6            HDOP max  0.4
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 500517.0      End wk 1072   sec 500522.0
```

GPSVEC TP Point ID 3186 DX -5806.132 DY -3995.556
Class Normal DZ -8986.658 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500542.0 End wk 1072 sec 500549.0

GPSVEC TP Point ID 3187 DX -5811.757 DY -3992.039
Class Normal DZ -8987.916 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500568.0 End wk 1072 sec 500571.0

GPSVEC TP Point ID 3188 DX -5831.046 DY -3983.165
Class Normal DZ -8988.666 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.056

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500593.0 End wk 1072 sec 500597.0

GPSVEC TP Point ID 3189 DX -5844.179 DY -3978.397
Class Normal DZ -8988.330 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500620.0 End wk 1072 sec 500624.0

GPSVEC TP Point ID 3190 DX -5856.416 DY -3973.625
Class Normal DZ -8988.454 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.061

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500641.0 End wk 1072 sec 500646.0

GPSVEC TP Point ID 3191 DX -5860.813 DY -3972.295
Class Normal DZ -8987.932 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 500658.0 End wk 1072 sec 500661.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 500704.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 501051.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 245 DX -5366.637 DY -3567.866
Class Normal DZ -8140.659 Code SG 195+00E
Mthd Phase Diff. H.pr 0.028 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 14 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501159.0 End wk 1072 sec 501172.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 501178.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1072
           Init type    On the fly       seconds     501207.0
           Init counter 6                Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 246      DX  -5366.604      DY  -3567.831
           Class Normal      DZ  -8140.602      Code SG 195+00E
           Mthd Phase Diff.   H.pr 0.034         V.pr 0.064

GPSQC1  NM  Min SVs      7            PDOP max  0.8
           Total GPS pos  11          HDOP max  0.4
           Monitor status Yes         VDOP max  0.7
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1072 sec 501216.0      End wk 1072   sec 501226.0

NOTE   KI  LINE. Name: 7, Code: , Method: Two points, Start pt: 245,

NOTE   KI  End pt: 128, Azimuth: 93.482°, Length: 15.417ft,

NOTE   KI  Grade: 40.194°

GPSVEC  TP  Point ID 3192     DX  -5369.020      DY  -3562.952
           Class Normal      DZ  -8142.823      Code TOE LEVEE
           Mthd Phase Diff.   H.pr 0.026         V.pr 0.049

GPSQC1  NM  Min SVs      7            PDOP max  1.2
           Total GPS pos  5           HDOP max  0.6
           Monitor status Yes         VDOP max  1.1
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1072 sec 501339.0      End wk 1072   sec 501343.0

GPSVEC  TP  Point ID 3193     DX  -5374.615      DY  -3560.313
           Class Normal      DZ  -8142.648      Code GRD
           Mthd Phase Diff.   H.pr 0.033         V.pr 0.063

GPSQC1  NM  Min SVs      7            PDOP max  1.1
           Total GPS pos  6           HDOP max  0.5
           Monitor status Yes         VDOP max  1.0
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1072 sec 501361.0      End wk 1072   sec 501368.0

GPSVEC  TP  Point ID 3194     DX  -5387.936      DY  -3554.511
           Class Normal      DZ  -8142.136      Code GRD
           Mthd Phase Diff.   H.pr 0.035         V.pr 0.060
```

```
GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 501402.0      End wk 1072   sec 501406.0

GPSVEC  TP  Point ID 3195      DX  -5404.357       DY  -3547.025
        Class Normal        DZ  -8141.092       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.048

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  7              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 501425.0      End wk 1072   sec 501431.0

GPSVEC  TP  Point ID 3196      DX  -5418.897       DY  -3541.065
        Class Normal        DZ  -8139.677       Code GRD
        Mthd Phase Diff.    H.pr 0.036          V.pr 0.062

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  7              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 501447.0      End wk 1072   sec 501453.0

GPSVEC  TP  Point ID 3197      DX  -5426.407       DY  -3537.635
        Class Normal        DZ  -8139.310       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.063

GPSQC1  NM  Min SVs      8              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 501480.0      End wk 1072   sec 501483.0

GPSVEC  TP  Point ID 3198      DX  -5430.849       DY  -3535.937
        Class Normal        DZ  -8139.206       Code GRD
        Mthd Phase Diff.    H.pr 0.038          V.pr 0.065

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 501499.0      End wk 1072   sec 501503.0
```

GPSVEC TP Point ID 3199 DX -5433.598 DY -3534.095
Class Normal DZ -8139.226 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.062

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501521.0 End wk 1072 sec 501524.0

GPSVEC TP Point ID 3200 DX -5437.069 DY -3532.801
Class Normal DZ -8138.894 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.063

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501535.0 End wk 1072 sec 501545.0

GPSVEC TP Point ID 3201 DX -5440.343 DY -3531.049
Class Normal DZ -8139.168 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.060

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501559.0 End wk 1072 sec 501563.0

GPSVEC TP Point ID 3202 DX -5443.889 DY -3529.594
Class Normal DZ -8138.646 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501577.0 End wk 1072 sec 501583.0

GPSVEC TP Point ID 3203 DX -5455.685 DY -3524.342
Class Normal DZ -8138.550 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501603.0 End wk 1072 sec 501612.0

GPSVEC TP Point ID 3204 DX -5469.660 DY -3517.742
Class Normal DZ -8137.608 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.061

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 11 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501639.0 End wk 1072 sec 501650.0

GPSVEC TP Point ID 3205 DX -5477.789 DY -3516.696
Class Normal DZ -8135.323 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.057

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501668.0 End wk 1072 sec 501679.0

GPSVEC TP Point ID 3206 DX -5483.446 DY -3515.462
Class Normal DZ -8134.698 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.061

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 12 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501692.0 End wk 1072 sec 501703.0

GPSVEC TP Point ID 3207 DX -5487.413 DY -3513.672
Class Normal DZ -8134.884 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.061

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501729.0 End wk 1072 sec 501739.0

GPSVEC TP Point ID 3208 DX -5495.462 DY -3507.941
Class Normal DZ -8135.261 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.063

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501761.0 End wk 1072 sec 501767.0

GPSVEC TP Point ID 3209 DX -5498.442 DY -3506.570
Class Normal DZ -8135.549 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.060

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501780.0 End wk 1072 sec 501783.0

GPSVEC TP Point ID 3210 DX -5500.618 DY -3506.077
Class Normal DZ -8134.564 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.057

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501802.0 End wk 1072 sec 501817.0

GPSVEC TP Point ID 3211 DX -5509.019 DY -3502.973
Class Normal DZ -8134.174 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501837.0 End wk 1072 sec 501845.0

NOTE TS Time Date 07/28/2000 Time 19:24:17

GPSVEC TP Point ID 3212 DX -5514.887 DY -3500.897
Class Normal DZ -8132.893 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.062

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501862.0 End wk 1072 sec 501869.0

GPSVEC TP Point ID 3213 DX -5526.001 DY -3496.587
Class Normal DZ -8132.617 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.065

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501888.0 End wk 1072 sec 501893.0

GPSVEC TP Point ID 3214 DX -5537.610 DY -3492.268
Class Normal DZ -8131.436 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501913.0 End wk 1072 sec 501921.0

GPSVEC TP Point ID 3215 DX -5547.861 DY -3488.124
Class Normal DZ -8130.549 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.059

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501938.0 End wk 1072 sec 501941.0

GPSVEC TP Point ID 3216 DX -5557.608 DY -3483.329
Class Normal DZ -8129.777 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.060

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501961.0 End wk 1072 sec 501967.0

GPSVEC TP Point ID 3217 DX -5565.721 DY -3479.591
Class Normal DZ -8129.886 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.064

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 501984.0 End wk 1072 sec 501991.0

GPSVEC TP Point ID 3218 DX -5572.948 DY -3478.682
Class Normal DZ -8128.100 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.065

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502022.0 End wk 1072 sec 502029.0

GPSVEC TP Point ID 3219 DX -5580.858 DY -3476.177
Class Normal DZ -8127.239 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.062

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502055.0 End wk 1072 sec 502064.0

GPSVEC TP Point ID 3220 DX -5587.140 DY -3472.644
Class Normal DZ -8127.307 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.056

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502080.0 End wk 1072 sec 502086.0

GPSVEC TP Point ID 3221 DX -5594.609 DY -3470.131
Class Normal DZ -8125.872 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.065

```
GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502113.0       End wk 1072   sec 502118.0

GPSVEC  TP  Point ID 3222       DX  -5607.678       DY  -3463.743
        Class Normal        DZ  -8125.923       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.065

GPSQC1  NM  Min SVs      8              PDOP max  0.8
        Total GPS pos  8              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502143.0       End wk 1072   sec 502150.0

GPSVEC  TP  Point ID 3223       DX  -5620.216       DY  -3457.660
        Class Normal        DZ  -8125.662       Code GRD
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.056

GPSQC1  NM  Min SVs      8              PDOP max  0.7
        Total GPS pos  11             HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502172.0       End wk 1072   sec 502182.0

GPSVEC  TP  Point ID 3224       DX  -5627.980       DY  -3454.042
        Class Normal        DZ  -8125.638       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.065

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502198.0       End wk 1072   sec 502203.0

GPSVEC  TP  Point ID 3225       DX  -5641.811       DY  -3448.637
        Class Normal        DZ  -8124.007       Code GRD
        Mthd Phase Diff.    H.pr 0.034          V.pr 0.060

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502228.0       End wk 1072   sec 502233.0
```

GPSVEC TP Point ID 247 DX -5730.441 DY -3319.838
Class Normal DZ -8001.463 Code SG 195+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.052

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502466.0 End wk 1072 sec 502470.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 502475.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 502501.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 248 DX -5730.397 DY -3319.763
Class Normal DZ -8001.500 Code SG 195+00W
Mthd Phase Diff. H.pr 0.016 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502510.0 End wk 1072 sec 502519.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 502561.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 502582.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 249 DX -5730.338 DY -3319.721
Class Normal DZ -8001.441 Code SG 195+00W
Mthd Phase Diff. H.pr 0.023 V.pr 0.056

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502628.0 End wk 1072 sec 502637.0

NOTE KI LINE. Name: 8, Code: , Method: Two points, Start pt: 248,

NOTE KI End pt: 170, Azimuth: 277.009°, Length: 15.137ft,

NOTE KI Grade: 41.997°

GPSVEC TP Point ID 3226 DX -5725.877 DY -3318.300
Class Normal DZ -8004.301 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502731.0 End wk 1072 sec 502737.0

GPSVEC TP Point ID 3227 DX -5709.299 DY -3325.655
Class Normal DZ -8006.306 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502759.0 End wk 1072 sec 502762.0

GPSVEC TP Point ID 3228 DX -5693.659 DY -3333.211
Class Normal DZ -8008.147 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502782.0 End wk 1072 sec 502788.0

GPSVEC TP Point ID 3229 DX -5679.939 DY -3340.002
Class Normal DZ -8009.663 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.052

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502806.0 End wk 1072 sec 502813.0

GPSVEC TP Point ID 3230 DX -5668.623 DY -3345.638
Class Normal DZ -8010.609 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502835.0 End wk 1072 sec 502839.0

GPSVEC TP Point ID 3231 DX -5663.222 DY -3349.720
Class Normal DZ -8010.371 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502862.0 End wk 1072 sec 502866.0

GPSVEC TP Point ID 3232 DX -5658.482 DY -3356.127
Class Normal DZ -8009.170 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 502910.0 End wk 1072 sec 502912.0

GPSVEC TP Point ID 3233 DX -5651.227 DY -3358.888
Class Normal DZ -8010.013 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.049

```
GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502930.0       End wk 1072   sec 502934.0

GPSVEC  TP  Point ID 3234      DX  -5638.742       DY  -3365.251
        Class Normal        DZ  -8011.205       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.054

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502964.0       End wk 1072   sec 502968.0

GPSVEC  TP  Point ID 3235      DX  -5625.691       DY  -3371.526
        Class Normal        DZ  -8012.818       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.038

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 502985.0       End wk 1072   sec 502989.0

GPSVEC  TP  Point ID 3236      DX  -5614.243       DY  -3376.529
        Class Normal        DZ  -8014.126       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.039

GPSQC1  NM  Min SVs      8              PDOP max  1.1
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 503007.0       End wk 1072   sec 503009.0

GPSVEC  TP  Point ID 3237      DX  -5603.577       DY  -3380.571
        Class Normal        DZ  -8016.129       Code GRD
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.031

GPSQC1  NM  Min SVs      8              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 503025.0       End wk 1072   sec 503028.0
```

GPSVEC TP Point ID 3238 DX -5586.085 DY -3389.245
Class Normal DZ -8018.079 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.064

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503058.0 End wk 1072 sec 503062.0

GPSVEC TP Point ID 3239 DX -5577.625 DY -3395.944
Class Normal DZ -8017.503 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503081.0 End wk 1072 sec 503083.0

GPSVEC TP Point ID 3240 DX -5567.298 DY -3401.827
Class Normal DZ -8018.009 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503110.0 End wk 1072 sec 503115.0

GPSVEC TP Point ID 3241 DX -5554.853 DY -3408.977
Class Normal DZ -8018.807 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503136.0 End wk 1072 sec 503140.0

GPSVEC TP Point ID 3242 DX -5543.931 DY -3414.182
Class Normal DZ -8020.818 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503163.0 End wk 1072 sec 503168.0

GPSVEC TP Point ID 3243 DX -5540.289 DY -3415.205
Class Normal DZ -8021.804 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503206.0 End wk 1072 sec 503208.0

GPSVEC TP Point ID 3244 DX -5531.443 DY -3418.767
Class Normal DZ -8022.485 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503232.0 End wk 1072 sec 503235.0

GPSVEC TP Point ID 3245 DX -5524.641 DY -3422.546
Class Normal DZ -8023.112 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503252.0 End wk 1072 sec 503256.0

GPSVEC TP Point ID 3246 DX -5517.090 DY -3427.362
Class Normal DZ -8023.080 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.063

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503276.0 End wk 1072 sec 503278.0

GPSVEC TP Point ID 3247 DX -5510.689 DY -3428.397
Class Normal DZ -8024.537 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503327.0 End wk 1072 sec 503330.0

GPSVEC TP Point ID 3248 DX -5498.953 DY -3434.293
Class Normal DZ -8027.110 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503346.0 End wk 1072 sec 503349.0

GPSVEC TP Point ID 3249 DX -5490.198 DY -3438.951
Class Normal DZ -8027.052 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503365.0 End wk 1072 sec 503368.0

GPSVEC TP Point ID 3250 DX -5477.161 DY -3444.404
Class Normal DZ -8029.237 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 503391.0 End wk 1072 sec 503393.0

GPSVEC TP Point ID 3251 DX -5471.352 DY -3442.585
Class Normal DZ -8032.549 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.050

```
GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 503458.0       End wk 1072   sec 503462.0

GPSVEC  TP  Point ID 3252       DX  -5461.434       DY  -3447.931
        Class Normal        DZ  -8033.120       Code GRD
        Mthd Phase Diff.    H.pr 0.027          V.pr 0.045

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 503478.0       End wk 1072   sec 503483.0

GPSVEC  TP  Point ID 3253       DX  -5456.689       DY  -3455.438
        Class Normal        DZ  -8031.020       Code GRD
        Mthd Phase Diff.    H.pr 0.027          V.pr 0.045

GPSQC1  NM  Min SVs      8              PDOP max  0.7
        Total GPS pos  9              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 503511.0       End wk 1072   sec 503520.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds     503549.0
        Init counter  8                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

NOTE    TS  Time Date 07/28/2000 Time 20:23:12

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds     505405.0
        Init counter  9                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds     505429.0
        Init counter  9                 Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

SURVEY KI Elev mask 10 PDOP mask 6.0

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE TS Time Date 07/28/2000 Time 20:26:01

GPSANT KI Antenna ht 5.082 Measuremt True

GPSREF KI Reference BAS3

INIT KI Init event Gained Week 1072
Init type On the fly seconds 505602.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

GPSANT KI Antenna ht 5.906 Measuremt Uncorrected

GPSVEC TP Point ID 3254 DX -4982.162 DY -3140.467
Class Del normal DZ -7319.093 Code SG 205+00E
Mthd Phase Diff. H.pr 0.029 V.pr 0.029

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 505837.0 End wk 1072 sec 505841.0

NOTE TS Item deleted Date 07/28/2000 Time 20:30:50

GPSVEC TP Point ID 250 DX -4982.143 DY -3140.482
Class Normal DZ -7319.069 Code SG 205+00E
Mthd Phase Diff. H.pr 0.043 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 505879.0 End wk 1072 sec 505883.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 505904.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 505971.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 251 DX -4982.133 DY -3140.498
Class Normal DZ -7319.092 Code SG 205+00E
Mthd Phase Diff. H.pr 0.043 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 505994.0 End wk 1072 sec 505998.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 506053.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 506381.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 252 DX -5261.123 DY -2968.742
Class Normal DZ -7239.097 Code SG 205+00W
Mthd Phase Diff. H.pr 0.045 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506512.0 End wk 1072 sec 506516.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 506521.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 506550.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 253 DX -5261.092 DY -2968.754
Class Normal DZ -7239.115 Code SG 205+00W
Mthd Phase Diff. H.pr 0.038 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.6
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506555.0 End wk 1072 sec 506561.0

NOTE KI LINE. Name: 9, Code: , Method: Two points, Start pt: 252,

NOTE KI End pt: 251, Azimuth: 106.748°, Length: 337.201ft,

NOTE KI Grade: 0.014°

GPSVEC TP Point ID 3254 DX -5256.585 DY -2967.418
Class Normal DZ -7242.061 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.039 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506665.0 End wk 1072 sec 506671.0

GPSVEC TP Point ID 3255 DX -5249.276 DY -2970.806
Class Normal DZ -7244.670 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506685.0 End wk 1072 sec 506688.0

GPSVEC TP Point ID 3256 DX -5235.341 DY -2979.662
Class Normal DZ -7248.172 Code GRD
Mthd Phase Diff. H.pr 0.042 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506703.0 End wk 1072 sec 506709.0

GPSVEC TP Point ID 3257 DX -5224.191 DY -2987.202
Class Normal DZ -7251.718 Code GRD
Mthd Phase Diff. H.pr 0.040 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506732.0 End wk 1072 sec 506735.0

GPSVEC TP Point ID 3258 DX -5208.803 DY -2996.219
Class Normal DZ -7256.497 Code GRD
Mthd Phase Diff. H.pr 0.041 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506759.0 End wk 1072 sec 506762.0

GPSVEC TP Point ID 3259 DX -5194.505 DY -3005.168
Class Normal DZ -7260.145 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506779.0 End wk 1072 sec 506783.0

GPSVEC TP Point ID 3260 DX -5181.797 DY -3013.132
Class Normal DZ -7263.726 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506801.0 End wk 1072 sec 506804.0

GPSVEC TP Point ID 3261 DX -5167.330 DY -3021.988
Class Normal DZ -7268.009 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506819.0 End wk 1072 sec 506826.0

GPSVEC TP Point ID 3262 DX -5151.787 DY -3031.811
Class Normal DZ -7272.567 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506848.0 End wk 1072 sec 506851.0

GPSVEC TP Point ID 3263 DX -5137.719 DY -3040.252
Class Normal DZ -7276.587 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506872.0 End wk 1072 sec 506874.0

GPSVEC TP Point ID 3264 DX -5126.630 DY -3046.850
Class Normal DZ -7279.840 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506896.0 End wk 1072 sec 506898.0

GPSVEC TP Point ID 3265 DX -5113.919 DY -3054.563
Class Normal DZ -7283.444 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506922.0 End wk 1072 sec 506924.0

GPSVEC TP Point ID 3266 DX -5111.098 DY -3056.131
Class Normal DZ -7284.722 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506934.0 End wk 1072 sec 506937.0

GPSVEC TP Point ID 3267 DX -5098.003 DY -3064.587
Class Normal DZ -7288.133 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.060

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 506954.0 End wk 1072 sec 506958.0

GPSVEC TP Point ID 3268 DX -5085.959 DY -3072.042
Class Normal DZ -7291.618 Code GRD
Mthd Phase Diff. H.pr 0.039 V.pr 0.052

```
GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 506974.0       End wk 1072   sec 506979.0

GPSVEC  TP  Point ID 3269      DX  -5071.849       DY  -3080.644
        Class Normal       DZ  -7295.798       Code GRD
        Mthd Phase Diff.    H.pr 0.034          V.pr 0.048

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 506998.0       End wk 1072   sec 507001.0

GPSVEC  TP  Point ID 3270      DX  -5064.450       DY  -3085.116
        Class Normal       DZ  -7297.665       Code GRD
        Mthd Phase Diff.    H.pr 0.039          V.pr 0.054

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 507012.0       End wk 1072   sec 507014.0

GPSVEC  TP  Point ID 3271      DX  -5061.223       DY  -3087.881
        Class Normal       DZ  -7298.348       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.039

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 507026.0       End wk 1072   sec 507029.0

GPSVEC  TP  Point ID 3272      DX  -5046.255       DY  -3100.445
        Class Normal       DZ  -7308.153       Code GRD
        Mthd Phase Diff.    H.pr 0.043          V.pr 0.059

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  9              HDOP max  0.5
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 507049.0       End wk 1072   sec 507057.0
```

```
INIT   KI  Init event    Lost            Week        1072
       Init type     On the fly        seconds      507077.0
       Init counter  4                 Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1072
       Init type     On the fly        seconds      507156.0
       Init counter  5                 Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 3273       DX  -5035.496       DY  -3102.054
       Class Normal        DZ  -7306.171       Code GRD
       Mthd Phase Diff.    H.pr 0.035          V.pr 0.049

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 507186.0       End wk 1072   sec 507189.0

NOTE   TS  Time Date 07/28/2000 Time 20:53:24

GPSVEC  TP  Point ID 3274       DX  -5025.546       DY  -3109.054
       Class Normal        DZ  -7309.402       Code GRD
       Mthd Phase Diff.    H.pr 0.023          V.pr 0.032

GPSQC1  NM  Min SVs       7              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 507211.0       End wk 1072   sec 507214.0

GPSVEC  TP  Point ID 3275       DX  -5012.989       DY  -3116.404
       Class Normal        DZ  -7312.707       Code GRD
       Mthd Phase Diff.    H.pr 0.028          V.pr 0.039

GPSQC1  NM  Min SVs       7              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 507238.0       End wk 1072   sec 507241.0
```

```
GPSVEC  TP  Point ID 3276       DX  -5006.583       DY  -3120.282
        Class Normal        DZ  -7314.485       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.051

GPSQC1  NM  Min SVs     7               PDOP max  1.0
        Total GPS pos  4            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000        Vert SD   0.000
        Start wk 1072 sec 507255.0      End wk 1072   sec 507259.0

GPSVEC  TP  Point ID 3277       DX  -4997.213       DY  -3126.267
        Class Normal        DZ  -7317.192       Code GRD
        Mthd Phase Diff.    H.pr 0.042          V.pr 0.058

GPSQC1  NM  Min SVs     7               PDOP max  1.2
        Total GPS pos  3            HDOP max  0.7
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000        Vert SD   0.000
        Start wk 1072 sec 507279.0      End wk 1072   sec 507281.0

GPSVEC  TP  Point ID 3278       DX  -4984.891       DY  -3134.506
        Class Normal        DZ  -7320.093       Code GRD
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.033

GPSQC1  NM  Min SVs     6               PDOP max  1.6
        Total GPS pos  4            HDOP max  0.9
        Monitor status Yes          VDOP max  1.4
        Horizontal SD  0.000        Vert SD   0.000
        Start wk 1072 sec 507299.0      End wk 1072   sec 507303.0

GPSVEC  TP  Point ID 3279       DX  -4983.749       DY  -3135.918
        Class Normal        DZ  -7320.046       Code TOE LEVEE
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.050

GPSQC1  NM  Min SVs     6               PDOP max  1.2
        Total GPS pos  10           HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000        Vert SD   0.000
        Start wk 1072 sec 507318.0      End wk 1072   sec 507330.0

INIT    KI  Init event    Lost          Week        1072
        Init type    On the fly       seconds     507339.0
        Init counter  5               Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>
```

```
SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   BA  Receiver  4800               Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                   Serial no <no text>
        Radius    0.358                   V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE    TS  Time Date 07/29/2000 Time 14:48:42

EQUIP   BA  Receiver  4800               Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                   Serial no <no text>
        Radius    0.358                   V.Const   0.104

GPSANT  KI  Antenna ht 5.000              Measuremt Uncorrected

EQUIP   BA  Receiver  4800               Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                   Serial no <no text>
        Radius    0.358                   V.Const   0.104

GPSANT  KI  Antenna ht 5.000              Measuremt Uncorrected

GPSREF  KI  Reference BAS3

EQUIP   NM  Receiver  4800               Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000                   Serial no <no text>
        Radius    0.000                   V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/29/2000 Time 14:49:31

GPSANT  KI  Antenna ht 5.092              Measuremt True

GPSREF  KI  Reference BAS3
```

```
INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     571839.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     572018.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

NOTE   TS  Time Date 07/29/2000 Time 15:15:32

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     573344.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 254        DX  -4358.206        DY  -2786.646
       Class Normal        DZ  -6460.897        Code SG 235+00E
       Mthd Phase Diff.    H.pr 0.022           V.pr 0.031

GPSQC1  NM  Min SVs       6              PDOP max  1.0
       Total GPS pos  8               HDOP max  0.6
       Monitor status Yes             VDOP max  0.8
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1072 sec 573398.0       End wk 1072   sec 573406.0

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     573411.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1072
           Init type    On the fly      seconds     573479.0
           Init counter 3               Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

GPSVEC  TP  Point ID 255       DX  -4358.205       DY  -2786.657
           Class Normal        DZ  -6460.911       Code SG 235+00E
           Mthd Phase Diff.    H.pr 0.045          V.pr 0.063

GPSQC1  NM  Min SVs      6              PDOP max  1.2
           Total GPS pos  6             HDOP max  0.7
           Monitor status Yes           VDOP max  1.0
           Horizontal SD  0.000         Vert SD   0.000
           Start wk 1072 sec 573490.0       End wk 1072   sec 573495.0

NOTE   KI  LINE. Name: 10, Code: , Method: Two points, Start pt: 254,

NOTE   KI  End pt: 134, Azimuth: 144.389°, Length: 19.943ft,

NOTE   KI  Grade: 41.358°

GPSVEC  TP  Point ID 3280      DX  -4358.405       DY  -2780.692
           Class Normal        DZ  -6460.300       Code TOE LEVEE
           Mthd Phase Diff.    H.pr 0.032          V.pr 0.047

GPSQC1  NM  Min SVs      5              PDOP max  1.3
           Total GPS pos  5             HDOP max  0.7
           Monitor status Yes           VDOP max  1.0
           Horizontal SD  0.000         Vert SD   0.000
           Start wk 1072 sec 573597.0       End wk 1072   sec 573603.0

GPSVEC  TP  Point ID 3281      DX  -4364.769       DY  -2769.266
           Class Normal        DZ  -6449.113       Code GRD
           Mthd Phase Diff.    H.pr 0.024          V.pr 0.048

GPSQC1  NM  Min SVs      6              PDOP max  1.6
           Total GPS pos  5             HDOP max  0.7
           Monitor status Yes           VDOP max  1.5
           Horizontal SD  0.000         Vert SD   0.000
           Start wk 1072 sec 573627.0       End wk 1072   sec 573631.0

GPSVEC  TP  Point ID 3282      DX  -4372.079       DY  -2756.777
           Class Normal        DZ  -6435.740       Code GRD
           Mthd Phase Diff.    H.pr 0.021          V.pr 0.048
```

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573645.0 End wk 1072 sec 573650.0

GPSVEC TP Point ID 3283 DX -4379.722 DY -2744.210
Class Normal DZ -6422.078 Code GRD
Mthd Phase Diff. H.pr 0.016 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573665.0 End wk 1072 sec 573671.0

GPSVEC TP Point ID 3284 DX -4386.935 DY -2731.702
Class Normal DZ -6408.915 Code GRD
Mthd Phase Diff. H.pr 0.017 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573686.0 End wk 1072 sec 573691.0

GPSVEC TP Point ID 3285 DX -4394.119 DY -2719.185
Class Normal DZ -6395.827 Code GRD
Mthd Phase Diff. H.pr 0.016 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573706.0 End wk 1072 sec 573710.0

GPSVEC TP Point ID 3286 DX -4401.131 DY -2707.000
Class Normal DZ -6382.812 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.058

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 9 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573726.0 End wk 1072 sec 573734.0

GPSVEC TP Point ID 3287 DX -4407.867 DY -2695.787
Class Normal DZ -6370.161 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573751.0 End wk 1072 sec 573758.0

GPSVEC TP Point ID 3288 DX -4415.809 DY -2683.256
Class Normal DZ -6356.116 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573779.0 End wk 1072 sec 573784.0

GPSVEC TP Point ID 3289 DX -4419.713 DY -2676.125
Class Normal DZ -6349.138 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573799.0 End wk 1072 sec 573803.0

GPSVEC TP Point ID 3290 DX -4424.601 DY -2668.467
Class Normal DZ -6340.465 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.061

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573815.0 End wk 1072 sec 573823.0

GPSVEC TP Point ID 3291 DX -4431.189 DY -2656.122
Class Normal DZ -6328.192 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.058

```
GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  8              HDOP max  0.5
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 573841.0      End wk 1072   sec 573848.0

GPSVEC  TP  Point ID 3292      DX  -4438.005       DY  -2643.486
        Class Normal        DZ  -6314.942       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.054

GPSQC1  NM  Min SVs      7              PDOP max  1.7
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 573866.0      End wk 1072   sec 573869.0

GPSVEC  TP  Point ID 3293      DX  -4445.830       DY  -2630.841
        Class Normal        DZ  -6301.307       Code GRD
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.049

GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  8              HDOP max  0.5
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 573887.0      End wk 1072   sec 573894.0

GPSVEC  TP  Point ID 3294      DX  -4447.876       DY  -2626.687
        Class Normal        DZ  -6297.090       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.051

GPSQC1  NM  Min SVs      7              PDOP max  1.6
        Total GPS pos  5              HDOP max  0.6
        Monitor status Yes            VDOP max  1.4
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 573914.0      End wk 1072   sec 573918.0

GPSVEC  TP  Point ID 3295      DX  -4451.129       DY  -2622.740
        Class Normal        DZ  -6291.760       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.053

GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 573932.0      End wk 1072   sec 573938.0
```

GPSVEC TP Point ID 3296 DX -4455.544 DY -2613.998
Class Normal DZ -6283.310 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573967.0 End wk 1072 sec 573972.0

GPSVEC TP Point ID 3297 DX -4461.594 DY -2603.547
Class Normal DZ -6272.769 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 573987.0 End wk 1072 sec 573994.0

GPSVEC TP Point ID 3298 DX -4467.914 DY -2592.261
Class Normal DZ -6260.577 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574025.0 End wk 1072 sec 574032.0

GPSVEC TP Point ID 256 DX -4726.743 DY -2602.638
Class Normal DZ -6415.946 Code SG 235+00W
Mthd Phase Diff. H.pr 0.021 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574192.0 End wk 1072 sec 574199.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 574205.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly       seconds      574292.0
       Init counter  4              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 257       DX  -4726.750       DY  -2602.563
       Class Normal        DZ  -6415.960       Code SG 235+00W
       Mthd Phase Diff.    H.pr 0.019          V.pr 0.041

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  9              HDOP max  0.5
       Monitor status Yes            VDOP max  1.0
       Horizontal SD  0.000          Vert SD   0.000
       Start wk 1072 sec 574300.0       End wk 1072   sec 574308.0

INIT   KI  Init event   Lost          Week        1072
       Init type    On the fly       seconds      574325.0
       Init counter  4              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly       seconds      574372.0
       Init counter  5              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 258       DX  -4726.750       DY  -2602.619
       Class Normal        DZ  -6415.941       Code SG 235+00W
       Mthd Phase Diff.    H.pr 0.024          V.pr 0.052

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  8              HDOP max  0.5
       Monitor status Yes            VDOP max  1.0
       Horizontal SD  0.000          Vert SD   0.000
       Start wk 1072 sec 574404.0       End wk 1072   sec 574411.0

NOTE   KI  LINE. Name: 11, Code: , Method: Two points, Start pt: 256,

NOTE   KI  End pt: 174, Azimuth: 309.234°, Length: 20.980ft,

NOTE   KI  Grade: 41.810°
```

GPSVEC TP Point ID 3299 DX -4723.185 DY -2602.152
Class Normal DZ -6420.443 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.052

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574496.0 End wk 1072 sec 574502.0

GPSVEC TP Point ID 3300 DX -4720.944 DY -2603.303
Class Normal DZ -6422.258 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.064

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574520.0 End wk 1072 sec 574524.0

GPSVEC TP Point ID 3301 DX -4715.050 DY -2610.066
Class Normal DZ -6427.477 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574553.0 End wk 1072 sec 574562.0

GPSVEC TP Point ID 3302 DX -4713.204 DY -2611.341
Class Normal DZ -6429.411 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574573.0 End wk 1072 sec 574581.0

GPSVEC TP Point ID 3303 DX -4708.577 DY -2616.305
Class Normal DZ -6433.430 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.056

```
GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  9              HDOP max  0.4
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 574598.0       End wk 1072   sec 574609.0

GPSVEC  TP  Point ID 3304       DX  -4697.674       DY  -2627.943
        Class Normal        DZ  -6442.998       Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.050

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 574627.0       End wk 1072   sec 574632.0

GPSVEC  TP  Point ID 3305       DX  -4692.864       DY  -2633.515
        Class Normal        DZ  -6447.116       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.059

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  17             HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 574652.0       End wk 1072   sec 574670.0

GPSVEC  TP  Point ID 3306       DX  -4684.565       DY  -2641.699
        Class Normal        DZ  -6454.824       Code GRD
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.037

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  7              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 574693.0       End wk 1072   sec 574702.0

GPSVEC  TP  Point ID 3307       DX  -4682.634       DY  -2644.354
        Class Normal        DZ  -6456.389       Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.050

GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 574719.0       End wk 1072   sec 574722.0
```

GPSVEC TP Point ID 3308 DX -4679.715 DY -2646.417
Class Normal DZ -6459.059 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.056

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574732.0 End wk 1072 sec 574736.0

GPSVEC TP Point ID 3309 DX -4669.958 DY -2656.490
Class Normal DZ -6467.818 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574749.0 End wk 1072 sec 574755.0

GPSVEC TP Point ID 3310 DX -4665.523 DY -2661.755
Class Normal DZ -6472.114 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 12 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574768.0 End wk 1072 sec 574789.0

GPSVEC TP Point ID 3311 DX -4663.245 DY -2664.753
Class Normal DZ -6473.532 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.058

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574807.0 End wk 1072 sec 574811.0

GPSVEC TP Point ID 3312 DX -4655.304 DY -2672.114
Class Normal DZ -6480.989 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574827.0 End wk 1072 sec 574833.0

GPSVEC TP Point ID 3313 DX -4643.213 DY -2685.127
Class Normal DZ -6491.998 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574849.0 End wk 1072 sec 574857.0

GPSVEC TP Point ID 3314 DX -4631.103 DY -2697.929
Class Normal DZ -6502.953 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574877.0 End wk 1072 sec 574881.0

GPSVEC TP Point ID 3315 DX -4619.829 DY -2709.394
Class Normal DZ -6512.798 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.060

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574906.0 End wk 1072 sec 574910.0

GPSVEC TP Point ID 3316 DX -4608.978 DY -2720.962
Class Normal DZ -6522.622 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574935.0 End wk 1072 sec 574939.0

GPSVEC TP Point ID 3317 DX -4595.920 DY -2734.574
Class Normal DZ -6534.085 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574962.0 End wk 1072 sec 574966.0

GPSVEC TP Point ID 3318 DX -4585.107 DY -2745.833
Class Normal DZ -6543.585 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 574994.0 End wk 1072 sec 574997.0

GPSVEC TP Point ID 3319 DX -4571.968 DY -2760.727
Class Normal DZ -6555.633 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.056

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 575041.0 End wk 1072 sec 575043.0

GPSVEC TP Point ID 3320 DX -4565.933 DY -2766.488
Class Normal DZ -6560.758 Code GRD
Mthd Phase Diff. H.pr 0.017 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 575060.0 End wk 1072 sec 575064.0

GPSVEC TP Point ID 3321 DX -4561.007 DY -2772.536
Class Normal DZ -6565.056 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.037 V.pr 0.056

```
GPSQC1  NM  Min SVs      5              PDOP max  1.5
        Total GPS pos  5              HDOP max  0.8
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575087.0       End wk 1072   sec 575091.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      575095.0
        Init counter  5                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

NOTE    TS  Time Date 07/29/2000 Time 15:51:42

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      575515.0
        Init counter  6                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 259        DX  -3615.463        DY  -2637.341
        Class Normal        DZ  -5822.496        Code SG 245+00E
        Mthd Phase Diff.    H.pr 0.030           V.pr 0.040

GPSQC1  NM  Min SVs      5              PDOP max  1.5
        Total GPS pos  4              HDOP max  0.9
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575656.0       End wk 1072   sec 575659.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      575665.0
        Init counter  6                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      575839.0
        Init counter  7                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 260        DX  -3615.473        DY  -2637.342
        Class Normal        DZ  -5822.496        Code SG 245+00E
        Mthd Phase Diff.    H.pr 0.020           V.pr 0.038
```

```
GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575850.0       End wk 1072   sec 575853.0

NOTE    KI  LINE. Name: 12, Code: , Method: Two points, Start pt: 260,

NOTE    KI  End pt: 136, Azimuth: 107.527°, Length: 17.966ft,

NOTE    KI  Grade: 40.519°

GPSVEC  TP  Point ID 3322       DX  -3617.286       DY  -2631.985
        Class Normal        DZ  -5823.770       Code TOE LEVEE
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.034

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575952.0       End wk 1072   sec 575954.0

GPSVEC  TP  Point ID 3323       DX  -3624.772       DY  -2626.761
        Class Normal        DZ  -5821.985       Code GRD
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.037

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575977.0       End wk 1072   sec 575981.0

GPSVEC  TP  Point ID 3324       DX  -3638.055       DY  -2618.303
        Class Normal        DZ  -5817.973       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.040

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 575997.0       End wk 1072   sec 576000.0

GPSVEC  TP  Point ID 3325       DX  -3647.217       DY  -2612.474
        Class Normal        DZ  -5815.162       Code GRD
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.035
```

```
GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576030.0       End wk 1072   sec 576032.0

GPSVEC  TP  Point ID 3326       DX  -3662.382       DY  -2602.683
        Class Normal        DZ  -5810.643       Code GRD
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.045

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576050.0       End wk 1072   sec 576053.0

GPSVEC  TP  Point ID 3327       DX  -3678.004       DY  -2592.557
        Class Normal        DZ  -5805.979       Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.043

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576069.0       End wk 1072   sec 576072.0

GPSVEC  TP  Point ID 3328       DX  -3681.455       DY  -2590.845
        Class Normal        DZ  -5804.828       Code GRD
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.032

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576092.0       End wk 1072   sec 576094.0

GPSVEC  TP  Point ID 3329       DX  -3694.367       DY  -2583.528
        Class Normal        DZ  -5800.823       Code GRD
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.033

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576112.0       End wk 1072   sec 576115.0
```

GPSVEC TP Point ID 3330 DX -3701.128 DY -2578.546
Class Normal DZ -5798.890 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576135.0 End wk 1072 sec 576137.0

GPSVEC TP Point ID 3331 DX -3706.964 DY -2575.407
Class Normal DZ -5796.753 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576154.0 End wk 1072 sec 576157.0

GPSVEC TP Point ID 3332 DX -3709.012 DY -2573.970
Class Normal DZ -5796.735 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576168.0 End wk 1072 sec 576171.0

GPSVEC TP Point ID 3333 DX -3711.983 DY -2572.584
Class Normal DZ -5795.436 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576183.0 End wk 1072 sec 576187.0

GPSVEC TP Point ID 3334 DX -3714.185 DY -2570.316
Class Normal DZ -5794.966 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

```
GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576204.0       End wk 1072   sec 576207.0

GPSVEC  TP  Point ID 3335       DX  -3729.306       DY  -2561.803
        Class Normal        DZ  -5790.300       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.038

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576228.0       End wk 1072   sec 576231.0

GPSVEC  TP  Point ID 3336       DX  -3744.857       DY  -2551.139
        Class Normal        DZ  -5785.663       Code GRD
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.055

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576254.0       End wk 1072   sec 576256.0

GPSVEC  TP  Point ID 3337       DX  -3761.624       DY  -2540.691
        Class Normal        DZ  -5781.019       Code GRD
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.032

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576280.0       End wk 1072   sec 576283.0

GPSVEC  TP  Point ID 3338       DX  -3777.902       DY  -2530.501
        Class Normal        DZ  -5775.646       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.037

GPSQC1  NM  Min SVs      6              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576310.0       End wk 1072   sec 576313.0
```

GPSVEC TP Point ID 3339 DX -3780.712 DY -2529.527
Class Normal DZ -5774.496 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576328.0 End wk 1072 sec 576331.0

GPSVEC TP Point ID 3340 DX -3785.843 DY -2526.322
Class Normal DZ -5773.050 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.035

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576344.0 End wk 1072 sec 576347.0

GPSVEC TP Point ID 3341 DX -3789.521 DY -2523.213
Class Normal DZ -5772.561 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576363.0 End wk 1072 sec 576366.0

GPSVEC TP Point ID 3342 DX -3796.228 DY -2519.645
Class Normal DZ -5769.990 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576388.0 End wk 1072 sec 576391.0

GPSVEC TP Point ID 3343 DX -3799.924 DY -2516.700
Class Normal DZ -5769.122 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576405.0 End wk 1072 sec 576407.0

GPSVEC TP Point ID 3344 DX -3808.977 DY -2511.478
Class Normal DZ -5766.228 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576420.0 End wk 1072 sec 576423.0

GPSVEC TP Point ID 3345 DX -3826.152 DY -2500.302
Class Normal DZ -5761.214 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576448.0 End wk 1072 sec 576451.0

GPSVEC TP Point ID 3346 DX -3834.187 DY -2495.916
Class Normal DZ -5758.638 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576466.0 End wk 1072 sec 576468.0

GPSVEC TP Point ID 3347 DX -3841.907 DY -2491.213
Class Normal DZ -5756.073 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576486.0 End wk 1072 sec 576489.0

GPSVEC TP Point ID 3348 DX -3860.455 DY -2479.146
Class Normal DZ -5750.781 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576519.0 End wk 1072 sec 576522.0

GPSVEC TP Point ID 261 DX -3998.942 DY -2418.610
Class Normal DZ -5736.863 Code SG 245+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.035

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576654.0 End wk 1072 sec 576659.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 576672.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 576711.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 262 DX -3998.931 DY -2418.647
Class Normal DZ -5736.848 Code SG 245+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576747.0 End wk 1072 sec 576752.0

NOTE KI LINE. Name: 13, Code: , Method: Two points, Start pt: 262,

NOTE KI End pt: 178, Azimuth: 283.300°, Length: 19.124ft,

NOTE KI Grade: 41.500°

GPSVEC TP Point ID 3349 DX -3994.392 DY -2417.366
Class Normal DZ -5739.848 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576837.0 End wk 1072 sec 576841.0

GPSVEC TP Point ID 3350 DX -3990.930 DY -2418.574
Class Normal DZ -5740.940 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576853.0 End wk 1072 sec 576858.0

GPSVEC TP Point ID 3351 DX -3981.019 DY -2424.387
Class Normal DZ -5742.934 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576870.0 End wk 1072 sec 576874.0

GPSVEC TP Point ID 3352 DX -3970.295 DY -2430.359
Class Normal DZ -5745.371 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 576893.0 End wk 1072 sec 576895.0

GPSVEC TP Point ID 3353 DX -3960.088 DY -2436.356
Class Normal DZ -5747.514 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.030

```
GPSQC1  NM  Min SVs      6              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576916.0      End wk 1072   sec 576920.0

GPSVEC  TP  Point ID 3354      DX  -3945.904       DY  -2443.927
        Class Normal        DZ  -5751.062       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.042

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576938.0      End wk 1072   sec 576941.0

GPSVEC  TP  Point ID 3355      DX  -3927.784       DY  -2454.506
        Class Normal        DZ  -5754.973       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.054

GPSQC1  NM  Min SVs      7              PDOP max  0.7
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576962.0      End wk 1072   sec 576967.0

GPSVEC  TP  Point ID 3356      DX  -3911.176       DY  -2463.813
        Class Normal        DZ  -5758.631       Code GRD
        Mthd Phase Diff.    H.pr 0.027          V.pr 0.040

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 576985.0      End wk 1072   sec 576988.0

GPSVEC  TP  Point ID 3357      DX  -3894.243       DY  -2473.400
        Class Normal        DZ  -5762.321       Code GRD
        Mthd Phase Diff.    H.pr 0.030          V.pr 0.045

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577007.0      End wk 1072   sec 577009.0
```

GPSVEC TP Point ID 3358 DX -3876.973 DY -2483.230
Class Normal DZ -5766.253 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577028.0 End wk 1072 sec 577031.0

GPSVEC TP Point ID 3359 DX -3861.131 DY -2492.352
Class Normal DZ -5769.718 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.056

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577055.0 End wk 1072 sec 577057.0

GPSVEC TP Point ID 3360 DX -3853.569 DY -2497.392
Class Normal DZ -5771.328 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577076.0 End wk 1072 sec 577080.0

GPSVEC TP Point ID 3361 DX -3839.921 DY -2504.165
Class Normal DZ -5774.377 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577098.0 End wk 1072 sec 577102.0

GPSVEC TP Point ID 3362 DX -3826.869 DY -2511.713
Class Normal DZ -5777.388 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.042

```
GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577154.0       End wk 1072   sec 577157.0

GPSVEC  TP  Point ID 3363      DX  -3809.153       DY  -2521.689
        Class Normal       DZ  -5781.230       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.044

GPSQC1  NM  Min SVs      7              PDOP max  0.7
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577188.0       End wk 1072   sec 577192.0

GPSVEC  TP  Point ID 3364      DX  -3797.541       DY  -2527.840
        Class Normal       DZ  -5783.740       Code GRD
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.038

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577210.0       End wk 1072   sec 577213.0

GPSVEC  TP  Point ID 3365      DX  -3790.716       DY  -2532.790
        Class Normal       DZ  -5785.138       Code GRD
        Mthd Phase Diff.    H.pr 0.030          V.pr 0.042

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577230.0       End wk 1072   sec 577233.0

GPSVEC  TP  Point ID 3366      DX  -3782.914       DY  -2536.506
        Class Normal       DZ  -5786.925       Code GRD
        Mthd Phase Diff.    H.pr 0.035          V.pr 0.049

GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 577247.0       End wk 1072   sec 577250.0
```

GPSVEC TP Point ID 3367 DX -3762.070 DY -2548.305
Class Normal DZ -5791.604 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577277.0 End wk 1072 sec 577280.0

GPSVEC TP Point ID 3368 DX -3741.104 DY -2560.364
Class Normal DZ -5796.346 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577304.0 End wk 1072 sec 577307.0

NOTE TS Time Date 07/29/2000 Time 16:22:02

INIT KI Init event Lost Week 1072
Init type On the fly seconds 577333.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 577802.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 263 DX -3462.223 DY -2122.705
Class Normal DZ -5012.486 Code SG 255+00E
Mthd Phase Diff. H.pr 0.035 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 577876.0 End wk 1072 sec 577885.0

```
INIT   KI  Init event    Lost            Week        1072
       Init type    On the fly        seconds      577894.0
       Init counter  9               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1072
       Init type    On the fly        seconds      577961.0
       Init counter  10              Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 264       DX  -3462.275       DY  -2122.685
       Class Normal        DZ  -5012.508       Code SG 255+00E
       Mthd Phase Diff.    H.pr 0.033          V.pr 0.042

GPSQC1  NM  Min SVs       6              PDOP max  0.9
       Total GPS pos  4              HDOP max  0.5
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 577966.0       End wk 1072   sec 577970.0

NOTE   KI  LINE. Name: 14, Code: , Method: Two points, Start pt: 264,

NOTE   KI  End pt: 138, Azimuth: 60.871°, Length: 20.470ft,

NOTE   KI  Grade: 41.312°

GPSVEC  TP  Point ID 3369      DX  -3464.691       DY  -2118.524
       Class Normal        DZ  -5016.107       Code TOE LEVEE
       Mthd Phase Diff.    H.pr 0.036          V.pr 0.046

GPSQC1  NM  Min SVs       6              PDOP max  1.1
       Total GPS pos  3              HDOP max  0.7
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 578051.0       End wk 1072   sec 578054.0

GPSVEC  TP  Point ID 3370      DX  -3478.582       DY  -2117.245
       Class Normal        DZ  -5023.363       Code GRD
       Mthd Phase Diff.    H.pr 0.034          V.pr 0.043
```

```
GPSQC1  NM  Min SVs      6            PDOP max  1.0
        Total GPS pos  4            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 578082.0      End wk 1072   sec 578085.0

GPSVEC  TP  Point ID 3371      DX  -3496.525      DY  -2115.796
        Class Normal       DZ  -5031.413      Code GRD
        Mthd Phase Diff.   H.pr 0.029         V.pr 0.036

GPSQC1  NM  Min SVs      6            PDOP max  0.9
        Total GPS pos  5            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 578111.0      End wk 1072   sec 578116.0

GPSVEC  TP  Point ID 3372      DX  -3515.665      DY  -2113.739
        Class Normal       DZ  -5039.926      Code GRD
        Mthd Phase Diff.   H.pr 0.030         V.pr 0.038

GPSQC1  NM  Min SVs      6            PDOP max  0.9
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 578134.0      End wk 1072   sec 578143.0

GPSVEC  TP  Point ID 3373      DX  -3533.206      DY  -2112.179
        Class Normal       DZ  -5048.130      Code GRD
        Mthd Phase Diff.   H.pr 0.030         V.pr 0.038

GPSQC1  NM  Min SVs      6            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 578170.0      End wk 1072   sec 578173.0

GPSVEC  TP  Point ID 3374      DX  -3551.063      DY  -2110.502
        Class Normal       DZ  -5056.269      Code GRD
        Mthd Phase Diff.   H.pr 0.044         V.pr 0.056

GPSQC1  NM  Min SVs      6            PDOP max  1.0
        Total GPS pos  4            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 578198.0      End wk 1072   sec 578201.0
```

GPSVEC TP Point ID 3375 DX -3569.571 DY -2108.942
Class Normal DZ -5064.325 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.030

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578222.0 End wk 1072 sec 578224.0

GPSVEC TP Point ID 3376 DX -3579.938 DY -2108.538
Class Normal DZ -5068.731 Code GRD
Mthd Phase Diff. H.pr 0.040 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578237.0 End wk 1072 sec 578240.0

GPSVEC TP Point ID 3377 DX -3589.233 DY -2107.430
Class Normal DZ -5072.878 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578258.0 End wk 1072 sec 578261.0

GPSVEC TP Point ID 3378 DX -3592.551 DY -2107.992
Class Normal DZ -5074.368 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578271.0 End wk 1072 sec 578274.0

GPSVEC TP Point ID 3379 DX -3596.944 DY -2106.892
Class Normal DZ -5076.277 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.036

```
GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578283.0       End wk 1072   sec 578286.0

GPSVEC  TP  Point ID 3380       DX  -3601.841       DY  -2106.504
        Class Normal        DZ  -5078.603       Code GRD
        Mthd Phase Diff.    H.pr 0.040          V.pr 0.050

GPSQC1  NM  Min SVs      6              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578302.0       End wk 1072   sec 578305.0

GPSVEC  TP  Point ID 3381       DX  -3604.844       DY  -2106.655
        Class Normal        DZ  -5079.612       Code GRD
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.032

GPSQC1  NM  Min SVs      6              PDOP max  0.8
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578318.0       End wk 1072   sec 578323.0

GPSVEC  TP  Point ID 3382       DX  -3620.853       DY  -2104.821
        Class Normal        DZ  -5087.417       Code GRD
        Mthd Phase Diff.    H.pr 0.047          V.pr 0.060

GPSQC1  NM  Min SVs      5              PDOP max  1.1
        Total GPS pos  6              HDOP max  0.7
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578342.0       End wk 1072   sec 578347.0

GPSVEC  TP  Point ID 3383       DX  -3627.541       DY  -2104.335
        Class Normal        DZ  -5090.112       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.040

GPSQC1  NM  Min SVs      5              PDOP max  1.4
        Total GPS pos  3              HDOP max  0.8
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578360.0       End wk 1072   sec 578362.0
```

GPSVEC TP Point ID 3384 DX -3643.091 DY -2102.770
Class Normal DZ -5096.980 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.045

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578380.0 End wk 1072 sec 578385.0

GPSVEC TP Point ID 3385 DX -3661.072 DY -2101.279
Class Normal DZ -5105.223 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578409.0 End wk 1072 sec 578412.0

GPSVEC TP Point ID 3386 DX -3679.770 DY -2099.910
Class Normal DZ -5113.072 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.030

GPSQC1 NM Min SVs 5 PDOP max 0.9
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578433.0 End wk 1072 sec 578436.0

GPSVEC TP Point ID 3387 DX -3697.611 DY -2098.289
Class Normal DZ -5121.347 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.027

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 578460.0 End wk 1072 sec 578465.0

GPSVEC TP Point ID 3388 DX -3707.049 DY -2097.715
Class Normal DZ -5125.220 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.044

```
GPSQC1  NM  Min SVs       5              PDOP max  1.4
        Total GPS pos  4              HDOP max  0.8
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578479.0       End wk 1072   sec 578482.0

GPSVEC  TP  Point ID 3389       DX  -3719.337       DY  -2096.636
        Class Normal        DZ  -5130.921       Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.042

GPSQC1  NM  Min SVs       5              PDOP max  1.3
        Total GPS pos  5              HDOP max  0.8
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578504.0       End wk 1072   sec 578508.0

GPSVEC  TP  Point ID 3390       DX  -3733.777       DY  -2095.212
        Class Normal        DZ  -5137.436       Code GRD
        Mthd Phase Diff.    H.pr 0.045          V.pr 0.057

GPSQC1  NM  Min SVs       5              PDOP max  1.3
        Total GPS pos  4              HDOP max  0.8
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 578527.0       End wk 1072   sec 578531.0

NOTE    TS  Time Date 07/29/2000 Time 17:00:23

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly       seconds      579634.0
        Init counter  10               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly       seconds      579805.0
        Init counter  11               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

NOTE    KI  LINE. Name: 15, Code: , Method: Two points, Start pt: 140,

NOTE    KI  End pt: 182, Azimuth: 265.783°, Length: 345.325ft,

NOTE    KI  Grade: 0.113°
```

```
INIT   KI  Init event    Lost(RMS)        Week        1072
       Init type    On the fly        seconds      580094.0
       Init counter  11               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

SURVEY  KI  Elev mask 10                  PDOP mask 6.0

EQUIP   NM  Receiver  4800                 Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/29/2000 Time 17:20:44

GPSANT  KI  Antenna ht 5.092              Measuremt True

GPSREF  KI  Reference BAS3

SURVEY  KI  Elev mask 10                  PDOP mask 6.0

NOTE    TS  Time Date 07/29/2000 Time 17:37:26

EQUIP   NM  Receiver  4800                 Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/29/2000 Time 17:37:28

SURVEY  KI  Elev mask 10                  PDOP mask 6.0

EQUIP   NM  Receiver  4800                 Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started
```

```
NOTE   TS  Time Date 07/29/2000 Time 17:50:54

GPSANT  KI  Antenna ht 5.092              Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds      583269.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP   NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 265        DX  -3487.216        DY  -1905.309
       Class Normal        DZ  -4717.633        Code SG 258+55E
       Mthd Phase Diff.    H.pr 0.025           V.pr 0.048

GPSQC1  NM  Min SVs       7              PDOP max  0.9
       Total GPS pos  6              HDOP max  0.4
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1072 sec 583300.0       End wk 1072   sec 583305.0

INIT   KI  Init event   Lost          Week        1072
       Init type    On the fly        seconds      583311.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds      583343.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 266        DX  -3487.214        DY  -1905.351
       Class Normal        DZ  -4717.676        Code SG 258+55E
       Mthd Phase Diff.    H.pr 0.019           V.pr 0.037
```

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583349.0 End wk 1072 sec 583354.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 583374.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 583461.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 267 DX -3777.801 DY -1800.679
Class Normal DZ -4736.909 Code SG 256+76W
Mthd Phase Diff. H.pr 0.019 V.pr 0.038

SQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583510.0 End wk 1072 sec 583513.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 583520.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 583553.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 268 DX -3777.840 DY -1800.671
Class Normal DZ -4736.945 Code SG 256+76W
Mthd Phase Diff. H.pr 0.026 V.pr 0.052

```
GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 583561.0       End wk 1072   sec 583565.0

NOTE    TS  Time Date 07/29/2000 Time 18:08:50

GPSVEC  TP  Point ID 269       DX  -3795.436       DY  -1894.474
        Class Normal        DZ  -4883.641       Code SG 255+00W
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.049

GPSQC1  NM  Min SVs      7              PDOP max  0.7
        Total GPS pos  10             HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 583731.0       End wk 1072   sec 583741.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds     583748.0
        Init counter  4                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds     583779.0
        Init counter  5                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 270       DX  -3795.446       DY  -1894.491
        Class Normal        DZ  -4883.647       Code SG 255+00W
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.045

GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 583789.0       End wk 1072   sec 583793.0

NOTE    KI  LINE. Name: 16, Code: , Method: Two points, Start pt: 270,

NOTE    KI  End pt: 180, Azimuth: 261.697°, Length: 20.765ft,

NOTE    KI  Grade: 41.052°
```

GPSVEC TP Point ID 3391 DX -3789.987 DY -1892.420
Class Normal DZ -4885.515 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583885.0 End wk 1072 sec 583889.0

GPSVEC TP Point ID 3392 DX -3787.116 DY -1893.042
Class Normal DZ -4885.446 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583905.0 End wk 1072 sec 583907.0

GPSVEC TP Point ID 3393 DX -3776.508 DY -1896.406
Class Normal DZ -4883.480 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583929.0 End wk 1072 sec 583932.0

GPSVEC TP Point ID 3394 DX -3756.338 DY -1902.724
Class Normal DZ -4881.123 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 583949.0 End wk 1072 sec 583952.0

GPSVEC TP Point ID 3395 DX -3737.540 DY -1908.815
Class Normal DZ -4879.148 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.043

```
GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 583971.0       End wk 1072   sec 583974.0

GPSVEC  TP  Point ID 3396       DX  -3718.453       DY  -1914.902
        Class Normal        DZ  -4876.444       Code GRD
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.034

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584002.0       End wk 1072   sec 584004.0

GPSVEC  TP  Point ID 3397       DX  -3699.217       DY  -1920.755
        Class Normal        DZ  -4873.549       Code GRD
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.037

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584025.0       End wk 1072   sec 584028.0

GPSVEC  TP  Point ID 3398       DX  -3680.542       DY  -1927.114
        Class Normal        DZ  -4871.429       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.043

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584044.0       End wk 1072   sec 584047.0

GPSVEC  TP  Point ID 3399       DX  -3661.788       DY  -1932.785
        Class Normal        DZ  -4868.780       Code GRD
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.047

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584074.0       End wk 1072   sec 584077.0
```

GPSVEC TP Point ID 3400 DX -3651.845 DY -1935.285
Class Normal DZ -4868.076 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584094.0 End wk 1072 sec 584097.0

GPSVEC TP Point ID 3401 DX -3641.123 DY -1939.058
Class Normal DZ -4866.707 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584112.0 End wk 1072 sec 584115.0

GPSVEC TP Point ID 3402 DX -3628.565 DY -1942.933
Class Normal DZ -4864.655 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584155.0 End wk 1072 sec 584159.0

GPSVEC TP Point ID 3403 DX -3624.070 DY -1944.358
Class Normal DZ -4864.091 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584171.0 End wk 1072 sec 584176.0

GPSVEC TP Point ID 3404 DX -3608.943 DY -1949.390
Class Normal DZ -4862.457 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.061

```
GPSQC1  NM  Min SVs      8              PDOP max  0.8
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584197.0       End wk 1072   sec 584201.0

GPSVEC  TP  Point ID 3405       DX  -3603.215       DY  -1951.062
        Class Normal        DZ  -4861.548       Code GRD
        Mthd Phase Diff.    H.pr 0.017          V.pr 0.033

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584217.0       End wk 1072   sec 584220.0

GPSVEC  TP  Point ID 3406       DX  -3599.471       DY  -1952.387
        Class Normal        DZ  -4860.553       Code GRD
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.047

GPSQC1  NM  Min SVs      9              PDOP max  0.7
        Total GPS pos  3              HDOP max  0.3
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584231.0       End wk 1072   sec 584235.0

GPSVEC  TP  Point ID 3407       DX  -3597.632       DY  -1952.689
        Class Normal        DZ  -4860.737       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.057

GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584247.0       End wk 1072   sec 584250.0

GPSVEC  TP  Point ID 3408       DX  -3587.280       DY  -1955.718
        Class Normal        DZ  -4859.520       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.051

GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584267.0       End wk 1072   sec 584270.0
```

GPSVEC TP Point ID 3409 DX -3584.031 DY -1957.156
Class Normal DZ -4858.643 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 4 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584284.0 End wk 1072 sec 584288.0

GPSVEC TP Point ID 3410 DX -3579.561 DY -1958.268
Class Normal DZ -4858.373 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.060

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584299.0 End wk 1072 sec 584302.0

GPSVEC TP Point ID 3411 DX -3575.517 DY -1960.043
Class Normal DZ -4857.718 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584316.0 End wk 1072 sec 584319.0

GPSVEC TP Point ID 3412 DX -3569.643 DY -1961.279
Class Normal DZ -4857.609 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 4 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584330.0 End wk 1072 sec 584335.0

GPSVEC TP Point ID 3413 DX -3559.732 DY -1964.948
Class Normal DZ -4855.484 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584362.0 End wk 1072 sec 584366.0

GPSVEC TP Point ID 3414 DX -3555.158 DY -1965.648
Class Normal DZ -4855.476 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.034

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584377.0 End wk 1072 sec 584380.0

GPSVEC TP Point ID 3415 DX -3550.916 DY -1967.016
Class Normal DZ -4854.933 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584411.0 End wk 1072 sec 584415.0

GPSVEC TP Point ID 3416 DX -3546.958 DY -1968.913
Class Normal DZ -4854.128 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584434.0 End wk 1072 sec 584437.0

GPSVEC TP Point ID 3417 DX -3540.879 DY -1970.110
Class Normal DZ -4854.129 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.064

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584453.0 End wk 1072 sec 584456.0

GPSVEC TP Point ID 3418 DX -3531.761 DY -1973.731
Class Normal DZ -4852.095 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584472.0 End wk 1072 sec 584475.0

GPSVEC TP Point ID 3419 DX -3509.640 DY -1979.972
Class Normal DZ -4849.673 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584502.0 End wk 1072 sec 584505.0

GPSVEC TP Point ID 3420 DX -3494.837 DY -1913.701
Class Normal DZ -4746.726 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.028 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584607.0 End wk 1072 sec 584612.0

GPSVEC TP Point ID 3421 DX -3505.734 DY -1910.162
Class Normal DZ -4747.196 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.038

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584636.0 End wk 1072 sec 584638.0

GPSVEC TP Point ID 3422 DX -3508.386 DY -1908.847
Class Normal DZ -4747.675 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.042

```
GPSQC1  NM  Min SVs      8            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 584647.0      End wk 1072   sec 584649.0

GPSVEC  TP  Point ID 3423      DX  -3516.787       DY  -1906.810
        Class Normal        DZ  -4747.956       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.046

GPSQC1  NM  Min SVs      8            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 584673.0      End wk 1072   sec 584675.0

GPSVEC  TP  Point ID 3424      DX  -3519.741       DY  -1904.879
        Class Normal        DZ  -4748.829       Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.043

GPSQC1  NM  Min SVs      8            PDOP max  0.9
        Total GPS pos  4            HDOP max  0.4
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 584694.0      End wk 1072   sec 584697.0

GPSVEC  TP  Point ID 3425      DX  -3535.850       DY  -1899.861
        Class Normal        DZ  -4749.166       Code GRD
        Mthd Phase Diff.    H.pr 0.020          V.pr 0.038

GPSQC1  NM  Min SVs      9            PDOP max  0.8
        Total GPS pos  3            HDOP max  0.4
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 584719.0      End wk 1072   sec 584721.0

GPSVEC  TP  Point ID 3426      DX  -3540.704       DY  -1897.730
        Class Normal        DZ  -4749.829       Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.060

GPSQC1  NM  Min SVs      9            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.4
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 584731.0      End wk 1072   sec 584733.0
```

GPSVEC TP Point ID 3427 DX -3554.606 DY -1892.704
Class Normal DZ -4750.781 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584750.0 End wk 1072 sec 584752.0

GPSVEC TP Point ID 3428 DX -3563.443 DY -1889.395
Class Normal DZ -4751.176 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584767.0 End wk 1072 sec 584769.0

GPSVEC TP Point ID 3429 DX -3566.514 DY -1888.626
Class Normal DZ -4751.071 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584778.0 End wk 1072 sec 584780.0

GPSVEC TP Point ID 3430 DX -3575.247 DY -1885.551
Class Normal DZ -4751.812 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.057

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584790.0 End wk 1072 sec 584792.0

GPSVEC TP Point ID 3431 DX -3578.996 DY -1883.525
Class Normal DZ -4752.272 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

```
GPSQC1  NM  Min SVs      9              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584801.0       End wk 1072   sec 584803.0

GPSVEC  TP  Point ID 3432       DX  -3586.747        DY  -1880.890
        Class Normal        DZ  -4753.082        Code GRD
        Mthd Phase Diff.    H.pr 0.020           V.pr 0.039

GPSQC1  NM  Min SVs      9              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584818.0       End wk 1072   sec 584820.0

GPSVEC  TP  Point ID 3433       DX  -3600.815        DY  -1876.285
        Class Normal        DZ  -4753.190        Code GRD
        Mthd Phase Diff.    H.pr 0.025           V.pr 0.049

GPSQC1  NM  Min SVs      9              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584841.0       End wk 1072   sec 584843.0

GPSVEC  TP  Point ID 3434       DX  -3612.847        DY  -1871.504
        Class Normal        DZ  -4754.208        Code GRD
        Mthd Phase Diff.    H.pr 0.022           V.pr 0.043

GPSQC1  NM  Min SVs      9              PDOP max  0.8
        Total GPS pos  4              HDOP max  0.3
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584864.0       End wk 1072   sec 584868.0

GPSVEC  TP  Point ID 3435       DX  -3618.977        DY  -1869.496
        Class Normal        DZ  -4755.996        Code GRD
        Mthd Phase Diff.    H.pr 0.031           V.pr 0.059

GPSQC1  NM  Min SVs      9              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.4
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 584896.0       End wk 1072   sec 584898.0
```

GPSVEC TP Point ID 3436 DX -3629.230 DY -1865.501
Class Normal DZ -4755.596 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.037

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584915.0 End wk 1072 sec 584917.0

GPSVEC TP Point ID 3437 DX -3638.855 DY -1861.665
Class Normal DZ -4756.751 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584931.0 End wk 1072 sec 584933.0

GPSVEC TP Point ID 3438 DX -3650.088 DY -1857.948
Class Normal DZ -4757.153 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584951.0 End wk 1072 sec 584953.0

GPSVEC TP Point ID 3439 DX -3662.521 DY -1853.323
Class Normal DZ -4757.844 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.043

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584970.0 End wk 1072 sec 584973.0

GPSVEC TP Point ID 3440 DX -3665.036 DY -1851.671
Class Normal DZ -4758.488 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584980.0 End wk 1072 sec 584982.0

GPSVEC TP Point ID 3441 DX -3670.358 DY -1850.525
Class Normal DZ -4758.801 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 584999.0 End wk 1072 sec 585001.0

GPSVEC TP Point ID 3442 DX -3681.864 DY -1846.239
Class Normal DZ -4760.011 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585022.0 End wk 1072 sec 585025.0

GPSVEC TP Point ID 3443 DX -3687.321 DY -1844.252
Class Normal DZ -4760.274 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585035.0 End wk 1072 sec 585037.0

GPSVEC TP Point ID 3444 DX -3693.035 DY -1842.854
Class Normal DZ -4759.756 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585047.0 End wk 1072 sec 585049.0

GPSVEC TP Point ID 3445 DX -3699.245 DY -1840.138
Class Normal DZ -4760.639 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.036

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585060.0 End wk 1072 sec 585063.0

GPSVEC TP Point ID 3446 DX -3703.988 DY -1839.274
Class Normal DZ -4759.753 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585075.0 End wk 1072 sec 585077.0

GPSVEC TP Point ID 3447 DX -3707.652 DY -1836.733
Class Normal DZ -4761.091 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585092.0 End wk 1072 sec 585094.0

GPSVEC TP Point ID 3448 DX -3719.383 DY -1833.497
Class Normal DZ -4761.500 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.043

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585117.0 End wk 1072 sec 585119.0

GPSVEC TP Point ID 3449 DX -3726.839 DY -1829.502
Class Normal DZ -4762.711 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585136.0 End wk 1072 sec 585138.0

GPSVEC TP Point ID 3450 DX -3736.490 DY -1826.591
Class Normal DZ -4762.213 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585166.0 End wk 1072 sec 585168.0

GPSVEC TP Point ID 3451 DX -3740.326 DY -1824.910
Class Normal DZ -4764.181 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.063

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585194.0 End wk 1072 sec 585197.0

GPSVEC TP Point ID 3452 DX -3747.766 DY -1822.971
Class Normal DZ -4763.550 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.062

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585214.0 End wk 1072 sec 585217.0

GPSVEC TP Point ID 3453 DX -3754.621 DY -1820.624
Class Normal DZ -4764.213 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585234.0 End wk 1072 sec 585236.0

GPSVEC TP Point ID 3454 DX -3762.927 DY -1817.534
Class Normal DZ -4764.918 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.057

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585265.0 End wk 1072 sec 585267.0

GPSVEC TP Point ID 3455 DX -3770.072 DY -1814.909
Class Normal DZ -4765.209 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585285.0 End wk 1072 sec 585287.0

GPSVEC TP Point ID 3456 DX -3773.889 DY -1814.054
Class Normal DZ -4765.107 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585313.0 End wk 1072 sec 585315.0

NOTE TS Time Date 07/29/2000 Time 18:40:11

GPSVEC TP Point ID 3457 DX -3772.252 DY -1798.579
Class Normal DZ -4739.447 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.028 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585620.0 End wk 1072 sec 585623.0

GPSVEC TP Point ID 3458 DX -3768.446 DY -1799.655
Class Normal DZ -4739.329 Code CNC
Mthd Phase Diff. H.pr 0.029 V.pr 0.056

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585636.0 End wk 1072 sec 585639.0

GPSVEC TP Point ID 3459 DX -3750.935 DY -1806.205
Class Normal DZ -4738.131 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585665.0 End wk 1072 sec 585667.0

GPSVEC TP Point ID 3460 DX -3732.392 DY -1812.923
Class Normal DZ -4736.900 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.045

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585687.0 End wk 1072 sec 585689.0

GPSVEC TP Point ID 3461 DX -3714.188 DY -1819.354
Class Normal DZ -4735.428 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.047

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585703.0 End wk 1072 sec 585705.0

GPSVEC TP Point ID 3462 DX -3694.773 DY -1826.259
Class Normal DZ -4734.236 Code CNC
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585722.0 End wk 1072 sec 585724.0

GPSVEC TP Point ID 3463 DX -3675.814 DY -1833.236
Class Normal DZ -4732.933 Code CNC
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585741.0 End wk 1072 sec 585743.0

GPSVEC TP Point ID 3464 DX -3658.825 DY -1839.158
Class Normal DZ -4731.639 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585756.0 End wk 1072 sec 585758.0

GPSVEC TP Point ID 3465 DX -3652.630 DY -1841.394
Class Normal DZ -4731.301 Code CNC
Mthd Phase Diff. H.pr 0.019 V.pr 0.037

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585768.0 End wk 1072 sec 585770.0

GPSVEC TP Point ID 3466 DX -3646.094 DY -1843.441
Class Normal DZ -4731.461 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585779.0 End wk 1072 sec 585783.0

GPSVEC TP Point ID 3467 DX -3636.711 DY -1846.427
Class Normal DZ -4730.911 Code CNC
Mthd Phase Diff. H.pr 0.019 V.pr 0.037

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585792.0 End wk 1072 sec 585795.0

GPSVEC TP Point ID 3468 DX -3624.687 DY -1850.688
Class Normal DZ -4729.997 Code CNC
Mthd Phase Diff. H.pr 0.021 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585805.0 End wk 1072 sec 585808.0

GPSVEC TP Point ID 3469 DX -3614.879 DY -1854.803
Class Normal DZ -4729.149 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585818.0 End wk 1072 sec 585821.0

GPSVEC TP Point ID 3470 DX -3604.225 DY -1859.028
Class Normal DZ -4728.172 Code CNC
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585834.0 End wk 1072 sec 585836.0

GPSVEC TP Point ID 3471 DX -3582.849 DY -1866.861
Class Normal DZ -4726.729 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.047

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585852.0 End wk 1072 sec 585855.0

GPSVEC TP Point ID 3472 DX -3563.721 DY -1873.650
Class Normal DZ -4725.209 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585872.0 End wk 1072 sec 585874.0

GPSVEC TP Point ID 3473 DX -3544.223 DY -1880.686
Class Normal DZ -4723.972 Code CNC
Mthd Phase Diff. H.pr 0.029 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585887.0 End wk 1072 sec 585890.0

GPSVEC TP Point ID 3474 DX -3524.998 DY -1887.644
Class Normal DZ -4722.694 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585906.0 End wk 1072 sec 585909.0

GPSVEC TP Point ID 3475 DX -3507.260 DY -1894.043
Class Normal DZ -4721.443 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 585922.0 End wk 1072 sec 585924.0

GPSVEC TP Point ID 3476 DX -3492.685 DY -1899.082
Class Normal DZ -4720.607 Code CNC
Mthd Phase Diff. H.pr 0.032 V.pr 0.061

```
GPSQC1  NM  Min SVs       7              PDOP max  1.0
        Total GPS pos  6              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 585939.0       End wk 1072   sec 585944.0

GPSVEC  TP  Point ID 3477       DX  -3489.578       DY  -1901.196
        Class Normal        DZ  -4719.880       Code TOE LEVEE
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.044

GPSQC1  NM  Min SVs       7              PDOP max  0.9
        Total GPS pos  7              HDOP max  0.5
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 585961.0       End wk 1072   sec 585967.0

INIT    KI  Init event    Lost            Week        1072
        Init type    On the fly        seconds      585975.0
        Init counter  5               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000               Serial no <no text>
        Radius    0.000               V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 07/29/2000 Time 18:54:38

GPSANT  KI  Antenna ht 5.092            Measuremt True

GPSREF  KI  Reference BAS3

INIT    KI  Init event    Gained          Week        1072
        Init type    On the fly        seconds      586494.0
        Init counter  1               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>
```

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

GPSANT KI Antenna ht 5.906 Measuremt Uncorrected

GPSVEC TP Point ID 271 DX -3225.260 DY -1639.945
Class Normal DZ -4186.976 Code SG 265+00E
Mthd Phase Diff. H.pr 0.028 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586596.0 End wk 1072 sec 586603.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 586609.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 586634.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 272 DX -3225.266 DY -1639.928
Class Normal DZ -4186.970 Code SG 265+00E
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586638.0 End wk 1072 sec 586644.0

NOTE KI LINE. Name: 17, Code: , Method: Two points, Start pt: 142,

NOTE KI End pt: 184, Azimuth: 294.237°, Length: 388.146ft,

NOTE KI Grade: 0.326°

NOTE KI LINE. Name: 18, Code: , Method: Two points, Start pt: 271,

NOTE KI End pt: 142, Azimuth: 117.649°, Length: 12.138ft,

NOTE KI Grade: 40.458°

GPSVEC TP Point ID 3478 DX -3227.027 DY -1634.125
Class Normal DZ -4187.774 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.012 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 20 HDOP max 0.3
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586875.0 End wk 1072 sec 586896.0

GPSVEC TP Point ID 3479 DX -3236.207 DY -1626.402
Class Normal DZ -4183.350 Code GRD
Mthd Phase Diff. H.pr 0.013 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 2.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586922.0 End wk 1072 sec 586926.0

GPSVEC TP Point ID 3480 DX -3248.996 DY -1614.752
Class Normal DZ -4176.937 Code GRD
Mthd Phase Diff. H.pr 0.017 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586943.0 End wk 1072 sec 586945.0

GPSVEC TP Point ID 3481 DX -3262.085 DY -1603.477
Class Normal DZ -4170.265 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 586976.0 End wk 1072 sec 586978.0

GPSVEC TP Point ID 3482 DX -3276.762 DY -1591.229
Class Normal DZ -4163.111 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587000.0 End wk 1072 sec 587003.0

GPSVEC TP Point ID 3483 DX -3293.136 DY -1577.560
Class Normal DZ -4154.132 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587030.0 End wk 1072 sec 587032.0

GPSVEC TP Point ID 3484 DX -3309.220 DY -1564.365
Class Normal DZ -4145.970 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587055.0 End wk 1072 sec 587057.0

GPSVEC TP Point ID 3485 DX -3319.377 DY -1555.669
Class Normal DZ -4140.622 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587081.0 End wk 1072 sec 587084.0

GPSVEC TP Point ID 3486 DX -3323.384 DY -1552.954
Class Normal DZ -4138.748 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.052

```
GPSQC1  NM  Min SVs      8              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 587098.0      End wk 1072   sec 587100.0

GPSVEC  TP  Point ID 3487      DX  -3329.713       DY  -1547.094
        Class Normal       DZ  -4135.495       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.038

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 587120.0      End wk 1072   sec 587123.0

GPSVEC  TP  Point ID 3488      DX  -3335.576       DY  -1542.021
        Class Normal       DZ  -4132.258       Code GRD
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.053

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 587140.0      End wk 1072   sec 587143.0

GPSVEC  TP  Point ID 3489      DX  -3349.142       DY  -1531.338
        Class Normal       DZ  -4125.357       Code GRD
        Mthd Phase Diff.    H.pr 0.027          V.pr 0.044

GPSQC1  NM  Min SVs      8              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 587161.0      End wk 1072   sec 587163.0

GPSVEC  TP  Point ID 3490      DX  -3358.751       DY  -1524.111
        Class Normal       DZ  -4120.097       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.038

GPSQC1  NM  Min SVs      8              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 587177.0      End wk 1072   sec 587180.0
```

GPSVEC TP Point ID 3491 DX -3366.851 DY -1517.635
Class Normal DZ -4116.101 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587192.0 End wk 1072 sec 587194.0

GPSVEC TP Point ID 3492 DX -3380.209 DY -1508.031
Class Normal DZ -4108.701 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587218.0 End wk 1072 sec 587221.0

GPSVEC TP Point ID 3493 DX -3385.299 DY -1504.850
Class Normal DZ -4105.426 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587240.0 End wk 1072 sec 587243.0

GPSVEC TP Point ID 3494 DX -3387.162 DY -1502.568
Class Normal DZ -4104.494 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587257.0 End wk 1072 sec 587259.0

GPSVEC TP Point ID 3495 DX -3396.680 DY -1495.481
Class Normal DZ -4099.308 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587291.0 End wk 1072 sec 587294.0

GPSVEC TP Point ID 3496 DX -3407.937 DY -1486.828
Class Normal DZ -4093.128 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587369.0 End wk 1072 sec 587374.0

GPSVEC TP Point ID 3497 DX -3420.494 DY -1477.388
Class Normal DZ -4086.380 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587401.0 End wk 1072 sec 587404.0

NOTE TS Time Date 07/29/2000 Time 19:10:20

GPSVEC TP Point ID 3498 DX -3432.966 DY -1467.440
Class Normal DZ -4079.949 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587429.0 End wk 1072 sec 587432.0

GPSVEC TP Point ID 3499 DX -3440.288 DY -1461.938
Class Normal DZ -4076.178 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587442.0 End wk 1072 sec 587448.0

GPSVEC TP Point ID 273 DX -3498.186 DY -1438.650
Class Normal DZ -4065.291 Code SG 265+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587525.0 End wk 1072 sec 587529.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 587537.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 587555.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 274 DX -3498.188 DY -1438.651
Class Normal DZ -4065.287 Code SG 265+00W
Mthd Phase Diff. H.pr 0.016 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.7
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587570.0 End wk 1072 sec 587572.0

NOTE KI LINE. Name: 17, Code: , Method: Two points, Start pt: 274,

NOTE KI End pt: 184, Azimuth: 289.963°, Length: 15.824ft,

NOTE KI Grade: 42.056°

GPSVEC TP Point ID 3500 DX -3493.333 DY -1437.757
Class Normal DZ -4068.843 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587700.0 End wk 1072 sec 587705.0

GPSVEC TP Point ID 3501 DX -3483.667 DY -1442.799
Class Normal DZ -4072.906 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587724.0 End wk 1072 sec 587728.0

GPSVEC TP Point ID 3502 DX -3466.260 DY -1453.431
Class Normal DZ -4079.555 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587759.0 End wk 1072 sec 587763.0

GPSVEC TP Point ID 3503 DX -3451.836 DY -1462.812
Class Normal DZ -4084.268 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.035

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587795.0 End wk 1072 sec 587798.0

GPSVEC TP Point ID 3504 DX -3433.753 DY -1475.058
Class Normal DZ -4091.162 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587833.0 End wk 1072 sec 587838.0

GPSVEC TP Point ID 3505 DX -3416.506 DY -1486.043
Class Normal DZ -4096.903 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587857.0 End wk 1072 sec 587859.0

GPSVEC TP Point ID 3506 DX -3400.471 DY -1496.187
Class Normal DZ -4102.449 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 587889.0 End wk 1072 sec 587893.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 587942.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 588361.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 275 DX -2606.831 DY -1366.955
Class Normal DZ -3453.179 Code SG 275+00E
Mthd Phase Diff. H.pr 0.026 V.pr 0.048

```
GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 588545.0       End wk 1072   sec 588548.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      588554.0
        Init counter  4               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      588584.0
        Init counter  5               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 276        DX  -2606.825        DY  -1366.955
        Class Normal        DZ  -3453.178        Code SG 275+00E
        Mthd Phase Diff.     H.pr 0.024           V.pr 0.045

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 588590.0       End wk 1072   sec 588594.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      588729.0
        Init counter  5               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      589074.0
        Init counter  6               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 277        DX  -2066.678        DY  -1040.186
        Class Normal        DZ  -2681.624        Code SG 285+00E
        Mthd Phase Diff.     H.pr 0.026           V.pr 0.046
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```
GPSQC1  NM  Min SVs       7              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 589128.0       End wk 1072   sec 589130.0

INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      589136.0
        Init counter  6                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      589159.0
        Init counter  7                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 278        DX  -2066.673        DY  -1040.160
        Class Normal        DZ  -2681.633        Code SG 285+00E
        Mthd Phase Diff.    H.pr 0.030           V.pr 0.053

GPSQC1  NM  Min SVs       6              PDOP max  1.4
        Total GPS pos  6              HDOP max  0.7
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 589167.0       End wk 1072   sec 589173.0

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INIT    KI  Init event    Lost            Week        1072
        Init type     On the fly        seconds      589281.0
        Init counter  7                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1072
        Init type     On the fly        seconds      589501.0
        Init counter  8                 Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 279        DX  -2308.740        DY  -866.667
        Class Normal        DZ  -2579.110        Code SG 285+00W
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.051
```

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589556.0 End wk 1072 sec 589558.0

INIT KI Init event Lost Week 1072
Init type On the fly seconds 589564.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1072
Init type On the fly seconds 589589.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 280 DX -2308.751 DY -866.678
Class Normal DZ -2579.127 Code SG 285+00W
Mthd Phase Diff. H.pr 0.018 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589594.0 End wk 1072 sec 589596.0

NOTE KI LINE. Name: 19, Code: , Method: Two points, Start pt: 279,

NOTE KI End pt: 277, Azimuth: 113.276°, Length: 314.937ft,

NOTE KI Grade: 0.119°

GPSVEC TP Point ID 3507 DX -2303.776 DY -865.979
Class Normal DZ -2583.060 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.019 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589686.0 End wk 1072 sec 589688.0

GPSVEC TP Point ID 3508 DX -2291.155 DY -874.147
Class Normal DZ -2588.508 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.035

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589714.0 End wk 1072 sec 589717.0

GPSVEC TP Point ID 3509 DX -2275.863 DY -884.453
Class Normal DZ -2595.298 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589779.0 End wk 1072 sec 589781.0

GPSVEC TP Point ID 3510 DX -2260.846 DY -894.752
Class Normal DZ -2601.936 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589798.0 End wk 1072 sec 589801.0

GPSVEC TP Point ID 3511 DX -2244.759 DY -905.940
Class Normal DZ -2608.572 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589821.0 End wk 1072 sec 589823.0

GPSVEC TP Point ID 3512 DX -2229.892 DY -916.498
Class Normal DZ -2615.434 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589841.0 End wk 1072 sec 589843.0

GPSVEC TP Point ID 3513 DX -2214.223 DY -926.853
Class Normal DZ -2622.431 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589862.0 End wk 1072 sec 589867.0

GPSVEC TP Point ID 3514 DX -2198.483 DY -937.627
Class Normal DZ -2628.951 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589891.0 End wk 1072 sec 589893.0

GPSVEC TP Point ID 3515 DX -2183.147 DY -948.437
Class Normal DZ -2635.839 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589910.0 End wk 1072 sec 589912.0

GPSVEC TP Point ID 3516 DX -2167.989 DY -959.686
Class Normal DZ -2642.131 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.052

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589931.0 End wk 1072 sec 589933.0

GPSVEC TP Point ID 3517 DX -2154.488 DY -970.250
Class Normal DZ -2647.245 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589957.0 End wk 1072 sec 589960.0

GPSVEC TP Point ID 3518 DX -2147.567 DY -975.601
Class Normal DZ -2650.163 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 589976.0 End wk 1072 sec 589978.0

GPSVEC TP Point ID 3519 DX -2133.863 DY -984.990
Class Normal DZ -2656.066 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590002.0 End wk 1072 sec 590005.0

GPSVEC TP Point ID 3520 DX -2121.932 DY -994.145
Class Normal DZ -2660.800 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590022.0 End wk 1072 sec 590025.0

GPSVEC TP Point ID 3521 DX -2107.121 DY -1005.125
Class Normal DZ -2666.990 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590037.0 End wk 1072 sec 590040.0

GPSVEC TP Point ID 3522 DX -2094.707 DY -1014.446
Class Normal DZ -2672.306 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590056.0 End wk 1072 sec 590058.0

GPSVEC TP Point ID 3523 DX -2089.494 DY -1018.609
Class Normal DZ -2673.752 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590076.0 End wk 1072 sec 590079.0

GPSVEC TP Point ID 3524 DX -2078.008 DY -1027.238
Class Normal DZ -2678.957 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590097.0 End wk 1072 sec 590100.0

GPSVEC TP Point ID 3525 DX -2068.483 DY -1034.653
Class Normal DZ -2682.427 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.029 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.7
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590118.0 End wk 1072 sec 590120.0

```
INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     590127.0
       Init counter  9               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     590577.0
       Init counter  10              Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 281        DX  -2886.514        DY  -1183.892
       Class Normal        DZ  -3355.488        Code SG 275+00W
       Mthd Phase Diff.    H.pr 0.027           V.pr 0.047

GPSQC1  NM  Min SVs        7              PDOP max  1.2
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  1.1
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1072 sec 590606.0       End wk 1072   sec 590609.0

INIT   KI  Init event   Lost            Week        1072
       Init type    On the fly        seconds     590616.0
       Init counter  10              Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1072
       Init type    On the fly        seconds     590687.0
       Init counter  11              Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 282        DX  -2886.504        DY  -1183.950
       Class Normal        DZ  -3355.466        Code SG 275+00W
       Mthd Phase Diff.    H.pr 0.031           V.pr 0.052

GPSQC1  NM  Min SVs        7              PDOP max  1.4
       Total GPS pos  3              HDOP max  0.7
       Monitor status Yes            VDOP max  1.2
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1072 sec 590696.0       End wk 1072   sec 590698.0
```

```
INIT   KI  Init event    Lost            Week        1072
           Init type     On the fly      seconds     590712.0
           Init counter  11              Point ID    <no text>
           Survey type   Real Time       Plate H. Dist <null>
           Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1072
           Init type     On the fly      seconds     590739.0
           Init counter  12              Point ID    <no text>
           Survey type   Real Time       Plate H. Dist <null>
           Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 283       DX  -2886.508       DY  -1183.935
           Class Normal        DZ  -3355.524       Code SG 275+00W
           Mthd Phase Diff.    H.pr 0.025          V.pr 0.042

GPSQC1  NM  Min SVs       7              PDOP max  1.4
           Total GPS pos  3              HDOP max  0.7
           Monitor status Yes            VDOP max  1.2
           Horizontal SD  0.000          Vert SD   0.000
           Start wk 1072 sec 590748.0       End wk 1072   sec 590750.0

NOTE   KI  LINE. Name: 20, Code: , Method: Two points, Start pt: 275,

NOTE   KI  End pt: 281, Azimuth: 289.733°, Length: 348.201ft,

NOTE   KI  Grade: 0.197°

GPSVEC  TP  Point ID 3526      DX  -2881.924       DY  -1182.764
           Class Normal        DZ  -3359.013       Code TOE LEVEE
           Mthd Phase Diff.    H.pr 0.027          V.pr 0.045

GPSQC1  NM  Min SVs       7              PDOP max  1.3
           Total GPS pos  3              HDOP max  0.7
           Monitor status Yes            VDOP max  1.1
           Horizontal SD  0.000          Vert SD   0.000
           Start wk 1072 sec 590831.0       End wk 1072   sec 590833.0

GPSVEC  TP  Point ID 3527      DX  -2874.414       DY  -1186.983
           Class Normal        DZ  -3361.891       Code GRD
           Mthd Phase Diff.    H.pr 0.029          V.pr 0.048
```

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590857.0 End wk 1072 sec 590859.0

GPSVEC TP Point ID 3528 DX -2862.421 DY -1194.942
Class Normal DZ -3366.181 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.033

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590925.0 End wk 1072 sec 590927.0

GPSVEC TP Point ID 3529 DX -2847.027 DY -1205.126
Class Normal DZ -3371.372 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590951.0 End wk 1072 sec 590954.0

GPSVEC TP Point ID 3530 DX -2842.544 DY -1207.461
Class Normal DZ -3373.213 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590965.0 End wk 1072 sec 590967.0

GPSVEC TP Point ID 3531 DX -2838.863 DY -1210.382
Class Normal DZ -3374.403 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590974.0 End wk 1072 sec 590976.0

```
GPSQC1  NM  Min SVs      7            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.7
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 590857.0      End wk 1072   sec 590859.0

GPSVEC  TP  Point ID 3528      DX  -2862.421       DY  -1194.942
        Class Normal       DZ  -3366.181       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.033

GPSQC1  NM  Min SVs      8            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 590925.0      End wk 1072   sec 590927.0

GPSVEC  TP  Point ID 3529      DX  -2847.027       DY  -1205.126
        Class Normal       DZ  -3371.372       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.034

GPSQC1  NM  Min SVs      8            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 590951.0      End wk 1072   sec 590954.0

GPSVEC  TP  Point ID 3530      DX  -2842.544       DY  -1207.461
        Class Normal       DZ  -3373.213       Code GRD
        Mthd Phase Diff.    H.pr 0.037          V.pr 0.054

GPSQC1  NM  Min SVs      8            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 590965.0      End wk 1072   sec 590967.0

GPSVEC  TP  Point ID 3531      DX  -2838.863       DY  -1210.382
        Class Normal       DZ  -3374.403       Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.034

GPSQC1  NM  Min SVs      8            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1072 sec 590974.0      End wk 1072   sec 590976.0
```

GPSVEC TP Point ID 3532 DX -2829.273 DY -1216.184
Class Normal DZ -3377.797 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.033

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 590989.0 End wk 1072 sec 590991.0

GPSVEC TP Point ID 3533 DX -2818.780 DY -1223.447
Class Normal DZ -3381.395 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.052

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591006.0 End wk 1072 sec 591008.0

GPSVEC TP Point ID 3534 DX -2803.583 DY -1232.730
Class Normal DZ -3386.793 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591025.0 End wk 1072 sec 591027.0

GPSVEC TP Point ID 3535 DX -2788.336 DY -1242.310
Class Normal DZ -3392.329 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591045.0 End wk 1072 sec 591047.0

SURVEY EVENTKISurvey event Error while setting receiver mode

SURVEY KI Elev mask 10 PDOP mask 6.0

TE TS Time Date 07/29/2000 Time 20:11:20

```
EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 07/29/2000 Time 20:11:55

GPSANT  KI  Antenna ht 5.092              Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event   Gained          Week       1072
       Init type    On the fly       seconds     591131.0
       Init counter  12              Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 3536       DX  -2773.129       DY  -1251.150
       Class Normal        DZ  -3397.912       Code GRD
       Mthd Phase Diff.    H.pr 0.040          V.pr 0.058

GPSQC1  NM  Min SVs       8              PDOP max  0.4
       Total GPS pos  17              HDOP max  0.2
       Monitor status Yes             VDOP max  0.4
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1072 sec 591137.0       End wk 1072   sec 591156.0

GPSVEC  TP  Point ID 3537       DX  -2762.744       DY  -1257.716
       Class Normal        DZ  -3402.015       Code GRD
       Mthd Phase Diff.    H.pr 0.028          V.pr 0.040
```

```
GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 591185.0      End wk 1072   sec 591188.0

GPSVEC  TP  Point ID 3538      DX  -2750.244       DY  -1263.451
        Class Normal       DZ  -3407.643       Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.047

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 591206.0      End wk 1072   sec 591209.0

GPSVEC  TP  Point ID 3539      DX  -2736.560       DY  -1272.597
        Class Normal       DZ  -3412.079       Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.047

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 591225.0      End wk 1072   sec 591228.0

GPSVEC  TP  Point ID 3540      DX  -2722.369       DY  -1281.584
        Class Normal       DZ  -3416.865       Code GRD
        Mthd Phase Diff.    H.pr 0.030          V.pr 0.043

GPSQC1  NM  Min SVs      8              PDOP max  1.0
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 591242.0      End wk 1072   sec 591244.0

GPSVEC  TP  Point ID 3541      DX  -2719.865       DY  -1284.614
        Class Normal       DZ  -3417.167       Code GRD
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.045

GPSQC1  NM  Min SVs      8              PDOP max  0.9
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1072 sec 591254.0      End wk 1072   sec 591257.0
```

GPSVEC TP Point ID 3542 DX -2714.882 DY -1288.855
Class Normal DZ -3418.652 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591267.0 End wk 1072 sec 591269.0

GPSVEC TP Point ID 3543 DX -2700.444 DY -1299.276
Class Normal DZ -3423.320 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591285.0 End wk 1072 sec 591287.0

GPSVEC TP Point ID 3544 DX -2684.674 DY -1310.043
Class Normal DZ -3428.967 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591302.0 End wk 1072 sec 591304.0

GPSVEC TP Point ID 3545 DX -2669.249 DY -1320.574
Class Normal DZ -3433.720 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591319.0 End wk 1072 sec 591321.0

GPSVEC TP Point ID 3546 DX -2653.019 DY -1331.463
Class Normal DZ -3439.458 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591335.0 End wk 1072 sec 591337.0

GPSVEC TP Point ID 3547 DX -2638.065 DY -1341.358
Class Normal DZ -3444.755 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591355.0 End wk 1072 sec 591357.0

GPSVEC TP Point ID 3548 DX -2623.042 DY -1352.047
Class Normal DZ -3449.304 Code GRD
Mthd Phase Diff. H.pr 0.041 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591374.0 End wk 1072 sec 591377.0

GPSVEC TP Point ID 3549 DX -2612.320 DY -1358.748
Class Normal DZ -3453.432 Code GRD
Mthd Phase Diff. H.pr 0.042 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591389.0 End wk 1072 sec 591391.0

GPSVEC TP Point ID 3550 DX -2608.926 DY -1361.360
Class Normal DZ -3454.287 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.033 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1072 sec 591409.0 End wk 1072 sec 591411.0

```
INIT   KI  Init event    Lost            Week        1072
           Init type     On the fly      seconds     591418.0
           Init counter  12              Point ID    <no text>
           Survey type   Real Time       Plate H. Dist <null>
           Plate V. Dist <null>          Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   BA  Receiver  4800              Serial no 20141803
           Antenna   4800 Internal
           Method    Reading from hook using 4800 tape
           Tape adj  0.000             Serial no <no text>
           Radius    0.358             V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE    TS  Time Date 08/01/2000 Time 15:28:54

EQUIP   BA  Receiver  4800              Serial no 20141803
           Antenna   4800 Internal
           Method    Reading from hook using 4800 tape
           Tape adj  0.000             Serial no <no text>
           Radius    0.358             V.Const   0.104

GPSANT  KI  Antenna ht 4.970            Measuremt Uncorrected

EQUIP   BA  Receiver  4800              Serial no 20141803
           Antenna   4800 Internal
           Method    Reading from hook using 4800 tape
           Tape adj  0.000             Serial no <no text>
           Radius    0.358             V.Const   0.104

GPSANT  KI  Antenna ht 4.970            Measuremt Uncorrected

EQUIP   BA  Receiver  4800              Serial no 20141803
           Antenna   4800 Internal
           Method    Reading from hook using 4800 tape
           Tape adj  0.000             Serial no <no text>
           Radius    0.358             V.Const   0.104

GPSANT  KI  Antenna ht 4.970            Measuremt Uncorrected

GPSREF  KI  Reference BAS3

SURVEY  KI  Elev mask 10                PDOP mask 6.0
```

```
EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                   Serial no <no text>
       Radius    0.000                   V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/01/2000 Time 15:29:59

GPSANT  KI  Antenna ht 5.062              Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event   Gained            Week        1073
       Init type    On the fly           seconds     230045.0
       Init counter  1                   Point ID    <no text>
       Survey type   Real Time           Plate H. Dist <null>
       Plate V. Dist <null>              Plate azimuth <null>

INIT   KI  Init event   Lost              Week        1073
       Init type    On the fly           seconds     230145.0
       Init counter  1                   Point ID    <no text>
       Survey type   Real Time           Plate H. Dist <null>
       Plate V. Dist <null>              Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                   Serial no <no text>
       Radius    0.000                   V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/01/2000 Time 15:56:34

GPSANT  KI  Antenna ht 5.062              Measuremt True

NOTE   TS  Time Date 08/01/2000 Time 15:58:46

GPSREF  KI  Reference BAS3
```

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      230435.0
       Init counter  1              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000               Serial no <no text>
       Radius    0.000               V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 284       DX  -1574.154       DY  -660.709
       Class Normal        DZ  -1867.569       Code SG 295+00E
       Mthd Phase Diff.    H.pr 0.032          V.pr 0.034

GPSQC1  NM  Min SVs       5              PDOP max  1.2
       Total GPS pos  5              HDOP max  0.8
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 230445.0       End wk 1073   sec 230449.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly       seconds      230455.0
       Init counter  1              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      230500.0
       Init counter  2              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 285       DX  -1574.159       DY  -660.694
       Class Normal        DZ  -1867.560       Code SG 295+00E
       Mthd Phase Diff.    H.pr 0.033          V.pr 0.035

GPSQC1  NM  Min SVs       5              PDOP max  1.2
       Total GPS pos  5              HDOP max  0.8
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 230505.0       End wk 1073   sec 230509.0
```

```
INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     230579.0
       Init counter  2               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     230723.0
       Init counter  3               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 286       DX  -1810.015       DY  -553.870
       Class Normal        DZ  -1854.559       Code SG 295+00W
       Mthd Phase Diff.    H.pr 0.040          V.pr 0.041

GPSQC1  NM  Min SVs       4              PDOP max  1.2
       Total GPS pos  5              HDOP max  0.8
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 230731.0       End wk 1073   sec 230735.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     230740.0
       Init counter  3               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     230816.0
       Init counter  4               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 287       DX  -1810.020       DY  -553.853
       Class Normal        DZ  -1854.560       Code SG 295+00W
       Mthd Phase Diff.    H.pr 0.038          V.pr 0.037

GPSQC1  NM  Min SVs       5              PDOP max  1.1
       Total GPS pos  5              HDOP max  0.8
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 230822.0       End wk 1073   sec 230826.0

NOTE   KI  LINE. Name: 21, Code: , Method: Two points, Start pt: 286,
```

NOTE KI End pt: 284, Azimuth: 93.753°, Length: 259.221ft,

NOTE KI Grade: 0.156°

GPSVEC TP Point ID 3551 DX -1805.735 DY -552.537
Class Normal DZ -1856.539 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.040 V.pr 0.039

GPSQC1 NM Min SVs 5 PDOP max 0.8
Total GPS pos 9 HDOP max 0.6
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 230914.0 End wk 1073 sec 230923.0

GPSVEC TP Point ID 3552 DX -1803.812 DY -552.799
Class Normal DZ -1857.220 Code GRD
Mthd Phase Diff. H.pr 0.047 V.pr 0.045

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 230941.0 End wk 1073 sec 230945.0

GPSVEC TP Point ID 3553 DX -1788.902 DY -558.719
Class Normal DZ -1858.533 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.032

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 4 HDOP max 0.9
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 230967.0 End wk 1073 sec 230970.0

GPSVEC TP Point ID 3554 DX -1771.710 DY -566.068
Class Normal DZ -1859.927 Code GRD
Mthd Phase Diff. H.pr 0.042 V.pr 0.040

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 230987.0 End wk 1073 sec 230991.0

GPSVEC TP Point ID 3555 DX -1758.598 DY -571.624
Class Normal DZ -1860.395 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231009.0 End wk 1073 sec 231011.0

GPSVEC TP Point ID 3556 DX -1745.687 DY -577.440
Class Normal DZ -1861.085 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231028.0 End wk 1073 sec 231031.0

GPSVEC TP Point ID 3557 DX -1730.334 DY -584.393
Class Normal DZ -1862.127 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231064.0 End wk 1073 sec 231068.0

GPSVEC TP Point ID 3558 DX -1720.393 DY -590.024
Class Normal DZ -1862.197 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.028

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231084.0 End wk 1073 sec 231088.0

GPSVEC TP Point ID 3559 DX -1711.792 DY -592.668
Class Normal DZ -1863.382 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.038

```
GPSQC1  NM  Min SVs      6              PDOP max  0.8
        Total GPS pos  6              HDOP max  0.6
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 231099.0      End wk 1073   sec 231130.0

GPSVEC  TP  Point ID 3560      DX  -1706.820       DY  -595.906
        Class Normal        DZ  -1862.765       Code GRD
        Mthd Phase Diff.    H.pr 0.029          V.pr 0.034

GPSQC1  NM  Min SVs      6              PDOP max  0.7
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 231140.0      End wk 1073   sec 231144.0

GPSVEC  TP  Point ID 3561      DX  -1702.729       DY  -596.798
        Class Normal        DZ  -1863.703       Code GRD
        Mthd Phase Diff.    H.pr 0.045          V.pr 0.053

GPSQC1  NM  Min SVs      6              PDOP max  0.5
        Total GPS pos  10             HDOP max  0.4
        Monitor status Yes            VDOP max  0.4
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 231157.0      End wk 1073   sec 231166.0

GPSVEC  TP  Point ID 3562      DX  -1693.583       DY  -602.020
        Class Normal        DZ  -1863.588       Code GRD
        Mthd Phase Diff.    H.pr 0.044          V.pr 0.037

GPSQC1  NM  Min SVs      5              PDOP max  1.6
        Total GPS pos  4              HDOP max  1.2
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 231181.0      End wk 1073   sec 231184.0

GPSVEC  TP  Point ID 3563      DX  -1689.868       DY  -602.918
        Class Normal        DZ  -1864.438       Code GRD
        Mthd Phase Diff.    H.pr 0.046          V.pr 0.039

GPSQC1  NM  Min SVs      5              PDOP max  1.9
        Total GPS pos  3              HDOP max  1.5
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 231193.0      End wk 1073   sec 231195.0
```

GPSVEC TP Point ID 3564 DX -1673.092 DY -610.649
Class Normal DZ -1865.212 Code GRD
Mthd Phase Diff. H.pr 0.040 V.pr 0.034

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 5 HDOP max 1.0
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231218.0 End wk 1073 sec 231223.0

GPSVEC TP Point ID 3565 DX -1656.363 DY -618.772
Class Normal DZ -1865.698 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.031

GPSQC1 NM Min SVs 5 PDOP max 1.7
Total GPS pos 4 HDOP max 1.3
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231241.0 End wk 1073 sec 231244.0

GPSVEC TP Point ID 3566 DX -1639.542 DY -626.290
Class Normal DZ -1866.788 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231261.0 End wk 1073 sec 231264.0

GPSVEC TP Point ID 3567 DX -1623.454 DY -633.820
Class Normal DZ -1867.455 Code GRD
Mthd Phase Diff. H.pr 0.047 V.pr 0.040

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 9 HDOP max 0.9
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231276.0 End wk 1073 sec 231284.0

GPSVEC TP Point ID 3568 DX -1608.513 DY -640.502
Class Normal DZ -1868.152 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231302.0 End wk 1073 sec 231307.0

GPSVEC TP Point ID 3569 DX -1601.941 DY -644.127
Class Normal DZ -1868.247 Code GRD
Mthd Phase Diff. H.pr 0.047 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231323.0 End wk 1073 sec 231326.0

GPSVEC TP Point ID 3570 DX -1587.545 DY -650.364
Class Normal DZ -1869.462 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231341.0 End wk 1073 sec 231344.0

GPSVEC TP Point ID 3571 DX -1578.675 DY -654.520
Class Normal DZ -1869.707 Code GRD
Mthd Phase Diff. H.pr 0.040 V.pr 0.034

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 7 HDOP max 0.9
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231358.0 End wk 1073 sec 231365.0

GPSVEC TP Point ID 3572 DX -1576.367 DY -656.119
Class Normal DZ -1869.536 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.045 V.pr 0.039

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 8 HDOP max 0.9
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 231383.0 End wk 1073 sec 231391.0

```
INIT   KI  Init event   Lost            Week        1073
           Init type    On the fly      seconds     231398.0
           Init counter 4               Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
           Antenna   4800 Internal
           Method    Measured to bottom of antenna mount
           Tape adj  0.000               Serial no <no text>
           Radius    0.000               V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/01/2000 Time 20:02:08

SURVEY  KI  Elev mask 10                PDOP mask 6.0

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
           Antenna   4800 Internal
           Method    Measured to bottom of antenna mount
           Tape adj  0.000               Serial no <no text>
           Radius    0.000               V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/01/2000 Time 20:02:58

GPSANT  KI  Antenna ht 5.062            Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event   Gained           Week        1073
           Init type    On the fly      seconds     245916.0
           Init counter 1               Point ID    <no text>
           Survey type  Real Time        Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>
```

```
EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius   0.000              V.Const  0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 288       DX  -1292.296       DY  -411.799
       Class Normal       DZ  -1355.578       Code SG 302+50E
       Mthd Phase Diff.    H.pr 0.036          V.pr 0.035

GPSQC1  NM  Min SVs       6              PDOP max  1.1
       Total GPS pos  5              HDOP max  0.8
       Monitor status Yes            VDOP max  0.8
       Horizontal SD  0.000           Vert SD  0.000
       Start wk 1073 sec 245952.0       End wk 1073   sec 245956.0

INIT   KI  Init event   Lost              Week        1073
       Init type    On the fly        seconds      245963.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained            Week        1073
       Init type    On the fly        seconds      245997.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 289       DX  -1292.248       DY  -411.749
       Class Normal       DZ  -1355.576       Code SG 302+50E
       Mthd Phase Diff.    H.pr 0.036          V.pr 0.044

GPSQC1  NM  Min SVs       8              PDOP max  0.8
       Total GPS pos  4              HDOP max  0.5
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD  0.000
       Start wk 1073 sec 246003.0       End wk 1073   sec 246006.0

INIT   KI  Init event   Lost              Week        1073
       Init type    On the fly        seconds      246022.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time          Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      246051.0
       Init counter  3              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 290       DX  -1292.270       DY  -411.758
       Class Normal        DZ  -1355.567       Code SG 302+50E
       Mthd Phase Diff.    H.pr 0.021          V.pr 0.030

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  4              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246058.0       End wk 1073   sec 246061.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly       seconds      246081.0
       Init counter  3              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      246165.0
       Init counter  4              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 291       DX  -1434.080       DY  -311.233
       Class Normal        DZ  -1296.861       Code SG 302+16W
       Mthd Phase Diff.    H.pr 0.031          V.pr 0.031

GPSQC1  NM  Min SVs       7              PDOP max  1.0
       Total GPS pos  4              HDOP max  0.7
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246206.0       End wk 1073   sec 246210.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly       seconds      246217.0
       Init counter  4              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      246250.0
       Init counter  5              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 292       DX  -1434.090       DY  -311.175
       Class Normal        DZ  -1296.867       Code SG 302+16W
       Mthd Phase Diff.    H.pr 0.038          V.pr 0.038

GPSQC1  NM  Min SVs       7              PDOP max  0.8
       Total GPS pos  7              HDOP max  0.6
       Monitor status Yes            VDOP max  0.6
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246255.0       End wk 1073   sec 246261.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly       seconds      246275.0
       Init counter  5              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

T      KI  Init event   Gained          Week        1073
       Init type    On the fly       seconds      246307.0
       Init counter  6              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 293       DX  -1434.087       DY  -311.101
       Class Normal        DZ  -1296.851       Code SG 302+16W
       Mthd Phase Diff.    H.pr 0.038          V.pr 0.038

GPSQC1  NM  Min SVs       7              PDOP max  1.0
       Total GPS pos  5              HDOP max  0.7
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246311.0       End wk 1073   sec 246315.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly       seconds      246331.0
       Init counter  6              Point ID     <no text>
       Survey type   Real Time        Plate H. Dist <null>
       Plate V. Dist <null>          Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds      246385.0
       Init counter  7               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 294        DX  -1434.100        DY  -311.259
       Class Normal        DZ  -1296.886        Code SG 302+16W
       Mthd Phase Diff.    H.pr 0.032           V.pr 0.042

GPSQC1  NM  Min SVs       6              PDOP max  1.6
       Total GPS pos  5              HDOP max  1.0
       Monitor status Yes            VDOP max  1.3
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246389.0       End wk 1073   sec 246393.0

NOTE   KI  LINE. Name: 22, Code: , Method: Two points, Start pt: 294,

NOTE   KI  End pt: 290, Azimuth: 112.828°, Length: 183.440ft,

NOTE   KI  Grade: 0.077°

GPSVEC  TP  Point ID 3573       DX  -1446.013        DY  -319.356
       Class Normal        DZ  -1324.079        Code TOE LEVEE
       Mthd Phase Diff.    H.pr 0.045           V.pr 0.059

GPSQC1  NM  Min SVs       6              PDOP max  0.8
       Total GPS pos  16             HDOP max  0.5
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246488.0       End wk 1073   sec 246508.0

GPSVEC  TP  Point ID 3574       DX  -1443.197        DY  -320.840
       Class Normal        DZ  -1325.870        Code GRD
       Mthd Phase Diff.    H.pr 0.037           V.pr 0.037

GPSQC1  NM  Min SVs       7              PDOP max  0.8
       Total GPS pos  8              HDOP max  0.5
       Monitor status Yes            VDOP max  0.5
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 246521.0       End wk 1073   sec 246528.0

GPSVEC  TP  Point ID 3575       DX  -1434.743        DY  -326.958
       Class Normal        DZ  -1329.147        Code GRD
       Mthd Phase Diff.    H.pr 0.046           V.pr 0.054
```

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246552.0 End wk 1073 sec 246555.0

GPSVEC TP Point ID 3576 DX -1427.915 DY -331.162
Class Normal DZ -1331.971 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246569.0 End wk 1073 sec 246574.0

GPSVEC TP Point ID 3577 DX -1422.213 DY -335.872
Class Normal DZ -1334.181 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246587.0 End wk 1073 sec 246590.0

GPSVEC TP Point ID 3578 DX -1407.758 DY -345.707
Class Normal DZ -1340.109 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246606.0 End wk 1073 sec 246608.0

GPSVEC TP Point ID 3579 DX -1393.985 DY -355.126
Class Normal DZ -1345.720 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246622.0 End wk 1073 sec 246624.0

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246708.0 End wk 1073 sec 246711.0

GPSVEC TP Point ID 3585 DX -1340.090 DY -393.588
Class Normal DZ -1367.650 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246722.0 End wk 1073 sec 246724.0

NOTE TS Time Date 08/01/2000 Time 20:32:02

GPSVEC TP Point ID 3586 DX -1335.674 DY -396.121
Class Normal DZ -1370.019 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246733.0 End wk 1073 sec 246735.0

GPSVEC TP Point ID 3587 DX -1330.597 DY -399.836
Class Normal DZ -1372.307 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246747.0 End wk 1073 sec 246749.0

GPSVEC TP Point ID 3588 DX -1326.723 DY -403.483
Class Normal DZ -1373.564 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246758.0 End wk 1073 sec 246760.0

GPSVEC TP Point ID 3589 DX -1322.375 DY -406.528
Class Normal DZ -1375.630 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246772.0 End wk 1073 sec 246774.0

GPSVEC TP Point ID 3590 DX -1318.265 DY -409.769
Class Normal DZ -1377.215 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246783.0 End wk 1073 sec 246785.0

GPSVEC TP Point ID 3591 DX -1313.359 DY -412.748
Class Normal DZ -1378.802 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246796.0 End wk 1073 sec 246798.0

GPSVEC TP Point ID 3592 DX -1309.562 DY -416.064
Class Normal DZ -1380.162 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246811.0 End wk 1073 sec 246815.0

GPSVEC TP Point ID 3593 DX -1308.080 DY -418.284
Class Normal DZ -1380.625 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.030 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246833.0 End wk 1073 sec 246836.0

GPSVEC TP Point ID 3594 DX -1293.805 DY -406.444
Class Normal DZ -1356.763 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246851.0 End wk 1073 sec 246853.0

GPSVEC TP Point ID 3595 DX -1296.669 DY -404.032
Class Normal DZ -1355.887 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.032

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246866.0 End wk 1073 sec 246870.0

GPSVEC TP Point ID 3596 DX -1310.237 DY -394.402
Class Normal DZ -1350.074 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246887.0 End wk 1073 sec 246889.0

GPSVEC TP Point ID 3597 DX -1324.072 DY -384.530
Class Normal DZ -1344.411 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246903.0 End wk 1073 sec 246905.0

GPSVEC TP Point ID 3598 DX -1337.771 DY -375.014
Class Normal DZ -1338.766 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.032

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246918.0 End wk 1073 sec 246921.0

GPSVEC TP Point ID 3599 DX -1347.976 DY -367.864
Class Normal DZ -1334.506 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246932.0 End wk 1073 sec 246934.0

GPSVEC TP Point ID 3600 DX -1362.191 DY -357.695
Class Normal DZ -1328.499 Code CNC
Mthd Phase Diff. H.pr 0.036 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246947.0 End wk 1073 sec 246951.0

GPSVEC TP Point ID 3601 DX -1377.325 DY -347.018
Class Normal DZ -1322.458 Code CNC
Mthd Phase Diff. H.pr 0.036 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246967.0 End wk 1073 sec 246969.0

GPSVEC TP Point ID 3602 DX -1391.940 DY -336.593
Class Normal DZ -1316.188 Code CNC
Mthd Phase Diff. H.pr 0.035 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 246983.0 End wk 1073 sec 246986.0

GPSVEC TP Point ID 3603 DX -1407.514 DY -325.613
Class Normal DZ -1309.824 Code CNC
Mthd Phase Diff. H.pr 0.032 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247000.0 End wk 1073 sec 247002.0

GPSVEC TP Point ID 3604 DX -1422.488 DY -314.977
Class Normal DZ -1303.629 Code CNC
Mthd Phase Diff. H.pr 0.037 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247016.0 End wk 1073 sec 247022.0

GPSVEC TP Point ID 3605 DX -1429.261 DY -310.031
Class Normal DZ -1300.811 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.043 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 10 HDOP max 0.7
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247039.0 End wk 1073 sec 247048.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 247056.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     247398.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 295       DX  -1261.611       DY  -238.652
       Class Normal        DZ  -1093.274       Code SG 305+00W
       Mthd Phase Diff.    H.pr 0.043          V.pr 0.053

GPSQC1  NM  Min SVs       6              PDOP max  1.5
       Total GPS pos  4              HDOP max  1.0
       Monitor status Yes            VDOP max  1.2
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 247434.0       End wk 1073   sec 247437.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     247443.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     247472.0
       Init counter  9               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 296       DX  -1261.629       DY  -238.640
       Class Normal        DZ  -1093.275       Code SG 305+00W
       Mthd Phase Diff.    H.pr 0.033          V.pr 0.040

GPSQC1  NM  Min SVs       6              PDOP max  1.7
       Total GPS pos  3              HDOP max  1.1
       Monitor status Yes            VDOP max  1.3
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 247481.0       End wk 1073   sec 247483.0

NOTE   KI  LINE. Name: 23, Code: , Method: Two points, Start pt: 296,

NOTE   KI  End pt: 196, Azimuth: 304.248°, Length: 19.493ft,

NOTE   KI  Grade: 40.709°
```

GPSVEC TP Point ID 3606 DX -1257.677 DY -237.480
Class Normal DZ -1097.631 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.032 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 1.0
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247565.0 End wk 1073 sec 247567.0

GPSVEC TP Point ID 3607 DX -1256.190 DY -238.671
Class Normal DZ -1098.713 Code GRD
Mthd Phase Diff. H.pr 0.045 V.pr 0.053

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 1.0
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247879.0 End wk 1073 sec 247881.0

GPSVEC TP Point ID 3608 DX -1247.918 DY -245.970
Class Normal DZ -1104.778 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247944.0 End wk 1073 sec 247946.0

GPSVEC TP Point ID 3609 DX -1241.391 DY -250.727
Class Normal DZ -1110.173 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 247966.0 End wk 1073 sec 247968.0

GPSVEC TP Point ID 3610 DX -1235.333 DY -255.754
Class Normal DZ -1114.308 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.037

GPSVEC TP Point ID 3615 DX -1220.780 DY -269.993
Class Normal DZ -1124.895 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248102.0 End wk 1073 sec 248105.0

GPSVEC TP Point ID 3616 DX -1217.829 DY -271.912
Class Normal DZ -1127.201 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248129.0 End wk 1073 sec 248132.0

GPSVEC TP Point ID 3617 DX -1211.579 DY -277.210
Class Normal DZ -1131.981 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.052

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248146.0 End wk 1073 sec 248148.0

GPSVEC TP Point ID 3618 DX -1210.551 DY -279.276
Class Normal DZ -1131.729 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248160.0 End wk 1073 sec 248162.0

GPSVEC TP Point ID 3619 DX -1208.950 DY -280.158
Class Normal DZ -1133.345 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248170.0 End wk 1073 sec 248172.0

GPSVEC TP Point ID 3620 DX -1207.635 DY -281.923
Class Normal DZ -1134.151 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248184.0 End wk 1073 sec 248187.0

GPSVEC TP Point ID 3621 DX -1205.529 DY -283.636
Class Normal DZ -1135.875 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.038

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248198.0 End wk 1073 sec 248200.0

GPSVEC TP Point ID 3622 DX -1197.777 DY -290.643
Class Normal DZ -1141.078 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.036

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248224.0 End wk 1073 sec 248239.0

GPSVEC TP Point ID 3623 DX -1194.318 DY -293.433
Class Normal DZ -1143.643 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248270.0 End wk 1073 sec 248274.0

GPSVEC TP Point ID 3624 DX -1190.463 DY -298.011
Class Normal DZ -1146.488 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248323.0 End wk 1073 sec 248336.0

GPSVEC TP Point ID 3625 DX -1184.042 DY -304.734
Class Normal DZ -1150.588 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248371.0 End wk 1073 sec 248374.0

GPSVEC TP Point ID 3626 DX -1182.465 DY -304.643
Class Normal DZ -1152.316 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248385.0 End wk 1073 sec 248388.0

GPSVEC TP Point ID 3627 DX -1179.189 DY -307.924
Class Normal DZ -1154.668 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248402.0 End wk 1073 sec 248405.0

GPSVEC TP Point ID 3628 DX -1176.000 DY -312.143
Class Normal DZ -1156.496 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248415.0 End wk 1073 sec 248418.0

GPSVEC TP Point ID 3629 DX -1171.520 DY -315.597
Class Normal DZ -1159.821 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248429.0 End wk 1073 sec 248434.0

GPSVEC TP Point ID 3630 DX -1167.238 DY -319.358
Class Normal DZ -1162.820 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248446.0 End wk 1073 sec 248450.0

GPSVEC TP Point ID 3631 DX -1165.810 DY -321.400
Class Normal DZ -1163.958 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248459.0 End wk 1073 sec 248462.0

GPSVEC TP Point ID 3632 DX -1163.409 DY -323.494
Class Normal DZ -1165.806 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248473.0 End wk 1073 sec 248478.0

GPSVEC TP Point ID 3633 DX -1157.282 DY -329.754
Class Normal DZ -1169.554 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248491.0 End wk 1073 sec 248494.0

GPSVEC TP Point ID 3634 DX -1148.800 DY -338.489
Class Normal DZ -1175.942 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248510.0 End wk 1073 sec 248512.0

GPSVEC TP Point ID 3635 DX -1147.415 DY -340.919
Class Normal DZ -1176.460 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.033 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248531.0 End wk 1073 sec 248533.0

NOTE TS Time Date 08/01/2000 Time 21:03:09

GPSVEC TP Point ID 297 DX -1096.779 DY -333.654
Class Normal DZ -1130.602 Code SG 305+00E
Mthd Phase Diff. H.pr 0.028 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248599.0 End wk 1073 sec 248601.0

```
INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     248607.0
       Init counter  9               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     248632.0
       Init counter  10              Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 298       DX  -1096.740       DY  -333.663
       Class Normal        DZ  -1130.594       Code SG 305+00E
       Mthd Phase Diff.    H.pr 0.032          V.pr 0.050

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  7              HDOP max  0.6
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 248654.0       End wk 1073   sec 248660.0

NOTE   KI  LINE. Name: 24, Code: , Method: Two points, Start pt: 298,

NOTE   KI  End pt: 154, Azimuth: 133.739°, Length: 19.728ft,

NOTE   KI  Grade: 41.113°

GPSVEC  TP  Point ID 3636      DX  -1097.589       DY  -327.627
       Class Normal        DZ  -1130.531       Code TOE LEVEE
       Mthd Phase Diff.    H.pr 0.026          V.pr 0.040

GPSQC1  NM  Min SVs       7              PDOP max  1.6
       Total GPS pos  3              HDOP max  0.9
       Monitor status Yes            VDOP max  1.4
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 248719.0       End wk 1073   sec 248721.0

GPSVEC  TP  Point ID 3637      DX  -1105.928       DY  -317.784
       Class Normal        DZ  -1121.980       Code GRD
       Mthd Phase Diff.    H.pr 0.025          V.pr 0.036
```

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248739.0 End wk 1073 sec 248742.0

GPSVEC TP Point ID 3638 DX -1112.330 DY -308.202
Class Normal DZ -1114.805 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248762.0 End wk 1073 sec 248764.0

GPSVEC TP Point ID 3639 DX -1115.904 DY -303.290
Class Normal DZ -1111.198 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.034

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248777.0 End wk 1073 sec 248779.0

GPSVEC TP Point ID 3640 DX -1123.336 DY -294.358
Class Normal DZ -1103.272 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248802.0 End wk 1073 sec 248804.0

GPSVEC TP Point ID 3641 DX -1131.354 DY -284.322
Class Normal DZ -1094.193 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.035

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248819.0 End wk 1073 sec 248821.0

GPSVEC TP Point ID 3642 DX -1132.962 DY -283.380
Class Normal DZ -1092.506 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248835.0 End wk 1073 sec 248837.0

GPSVEC TP Point ID 3643 DX -1135.062 DY -279.758
Class Normal DZ -1089.926 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248853.0 End wk 1073 sec 248855.0

GPSVEC TP Point ID 3644 DX -1138.958 DY -275.749
Class Normal DZ -1086.500 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248871.0 End wk 1073 sec 248873.0

GPSVEC TP Point ID 3645 DX -1143.128 DY -270.200
Class Normal DZ -1081.701 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248888.0 End wk 1073 sec 248890.0

GPSVEC TP Point ID 3646 DX -1144.615 DY -268.807
Class Normal DZ -1079.701 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248902.0 End wk 1073 sec 248904.0

GPSVEC TP Point ID 3647 DX -1152.997 DY -258.746
Class Normal DZ -1070.791 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248919.0 End wk 1073 sec 248921.0

GPSVEC TP Point ID 3648 DX -1162.518 DY -246.771
Class Normal DZ -1060.254 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248939.0 End wk 1073 sec 248941.0

GPSVEC TP Point ID 3649 DX -1164.871 DY -245.318
Class Normal DZ -1057.721 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248954.0 End wk 1073 sec 248956.0

GPSVEC TP Point ID 3650 DX -1167.521 DY -241.890
Class Normal DZ -1054.086 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248970.0 End wk 1073 sec 248972.0

GPSVEC TP Point ID 3651 DX -1168.872 DY -239.633
Class Normal DZ -1053.397 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 248984.0 End wk 1073 sec 248987.0

GPSVEC TP Point ID 3652 DX -1173.204 DY -235.919
Class Normal DZ -1048.813 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249007.0 End wk 1073 sec 249009.0

GPSVEC TP Point ID 3653 DX -1173.798 DY -233.769
Class Normal DZ -1047.592 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249021.0 End wk 1073 sec 249023.0

GPSVEC TP Point ID 3654 DX -1182.788 DY -223.987
Class Normal DZ -1038.364 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249043.0 End wk 1073 sec 249045.0

GPSVEC TP Point ID 3655 DX -1187.370 DY -220.131
Class Normal DZ -1032.515 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249059.0 End wk 1073 sec 249061.0

GPSVEC TP Point ID 3656 DX -1195.109 DY -211.162
Class Normal DZ -1024.653 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249078.0 End wk 1073 sec 249081.0

GPSVEC TP Point ID 3657 DX -1196.741 DY -209.881
Class Normal DZ -1022.507 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.043 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249097.0 End wk 1073 sec 249100.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 249106.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 249514.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 299 DX -731.051 DY 103.116
Class Normal DZ -304.429 Code SG 315+00W
Mthd Phase Diff. H.pr 0.043 V.pr 0.053

```
GPSQC1  NM  Min SVs      5              PDOP max  2.0
        Total GPS pos  14             HDOP max  1.2
        Monitor status Yes            VDOP max  1.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 249566.0       End wk 1073   sec 249579.0

INIT    KI  Init event    Lost            Week        1073
        Init type     On the fly        seconds      249585.0
        Init counter  11               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1073
        Init type     On the fly        seconds      249666.0
        Init counter  12               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 300        DX  -731.067        DY  103.131
        Class Normal        DZ  -304.434        Code SG 315+00W
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.035

GPSQC1  NM  Min SVs      5              PDOP max  2.9
        Total GPS pos  6              HDOP max  1.8
        Monitor status Yes            VDOP max  2.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 249674.0       End wk 1073   sec 249679.0

INIT    KI  Init event    Lost            Week        1073
        Init type     On the fly        seconds      249781.0
        Init counter  12               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1073
        Init type     On the fly        seconds      249922.0
        Init counter  13               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

GPSVEC  TP  Point ID 301        DX  -468.953        DY  -82.921
        Class Normal        DZ  -417.790        Code SG 315+00E
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.052
```

GPSQC1 NM Min SVs 6 PDOP max 1.9
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 249974.0 End wk 1073 sec 249977.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 249980.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 250013.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 302 DX -468.916 DY -82.964
Class Normal DZ -417.797 Code SG 315+00E
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.7
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250044.0 End wk 1073 sec 250048.0

NOTE KI LINE. Name: 25, Code: , Method: Two points, Start pt: 301,

NOTE KI End pt: 300, Azimuth: 293.479°, Length: 340.783ft,

NOTE KI Grade: 0.338°

GPSVEC TP Point ID 3658 DX -470.281 DY -78.034
Class Normal DZ -418.870 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250124.0 End wk 1073 sec 250130.0

GPSVEC TP Point ID 3659 DX -473.208 DY -75.274
Class Normal DZ -418.010 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 7 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250144.0 End wk 1073 sec 250150.0

GPSVEC TP Point ID 3660 DX -487.433 DY -65.080
Class Normal DZ -411.734 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.9
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250166.0 End wk 1073 sec 250169.0

GPSVEC TP Point ID 3661 DX -502.174 DY -54.099
Class Normal DZ -405.664 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 1.9
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250186.0 End wk 1073 sec 250189.0

GPSVEC TP Point ID 3662 DX -517.192 DY -44.341
Class Normal DZ -398.614 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250206.0 End wk 1073 sec 250208.0

GPSVEC TP Point ID 3663 DX -525.713 DY -37.818
Class Normal DZ -394.884 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250222.0 End wk 1073 sec 250227.0

GPSVEC TP Point ID 3664 DX -536.124 DY -30.745
Class Normal DZ -390.701 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250244.0 End wk 1073 sec 250249.0

GPSVEC TP Point ID 3665 DX -549.980 DY -20.645
Class Normal DZ -384.425 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250272.0 End wk 1073 sec 250276.0

GPSVEC TP Point ID 3666 DX -562.446 DY -11.898
Class Normal DZ -379.441 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250295.0 End wk 1073 sec 250299.0

GPSVEC TP Point ID 3667 DX -571.637 DY -5.364
Class Normal DZ -375.515 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250319.0 End wk 1073 sec 250323.0

GPSVEC TP Point ID 3668 DX -575.161 DY -3.355
Class Normal DZ -373.467 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250333.0 End wk 1073 sec 250335.0

GPSVEC TP Point ID 3669 DX -581.113 DY 0.716
Class Normal DZ -371.016 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.036

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250350.0 End wk 1073 sec 250352.0

GPSVEC TP Point ID 3670 DX -588.256 DY 7.190
Class Normal DZ -368.434 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250365.0 End wk 1073 sec 250367.0

GPSVEC TP Point ID 3671 DX -594.673 DY 13.417
Class Normal DZ -366.236 Code GRD
Mthd Phase Diff. H.pr 0.036 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250377.0 End wk 1073 sec 250380.0

GPSVEC TP Point ID 3672 DX -596.224 DY 15.334
Class Normal DZ -365.991 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 1.8
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250393.0 End wk 1073 sec 250396.0

NOTE TS Time Date 08/01/2000 Time 21:33:23

GPSVEC TP Point ID 3673 DX -610.764 DY 26.150
Class Normal DZ -359.776 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 2.0
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250413.0 End wk 1073 sec 250415.0

GPSVEC TP Point ID 3674 DX -625.667 DY 36.307
Class Normal DZ -353.805 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 2.0
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250433.0 End wk 1073 sec 250435.0

GPSVEC TP Point ID 3675 DX -636.119 DY 44.315
Class Normal DZ -349.216 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 1.7
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250448.0 End wk 1073 sec 250452.0

GPSVEC TP Point ID 3676 DX -643.080 DY 49.546
Class Normal DZ -346.373 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 2.0
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250463.0 End wk 1073 sec 250465.0

GPSVEC TP Point ID 3677 DX -647.414 DY 50.645
Class Normal DZ -343.371 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250479.0 End wk 1073 sec 250483.0

GPSVEC TP Point ID 3678 DX -652.328 DY 53.364
Class Normal DZ -341.079 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 6 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250492.0 End wk 1073 sec 250497.0

GPSVEC TP Point ID 3679 DX -662.560 DY 59.996
Class Normal DZ -336.362 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250507.0 End wk 1073 sec 250511.0

GPSVEC TP Point ID 3680 DX -666.368 DY 62.913
Class Normal DZ -334.718 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 2.0
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250519.0 End wk 1073 sec 250521.0

GPSVEC TP Point ID 3681 DX -680.972 DY 72.051
Class Normal DZ -327.776 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.8
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250533.0 End wk 1073 sec 250536.0

GPSVEC TP Point ID 3682 DX -695.862 DY 82.119
Class Normal DZ -321.475 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.8
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250553.0 End wk 1073 sec 250556.0

GPSVEC TP Point ID 3683 DX -710.061 DY 92.215
Class Normal DZ -315.539 Code GRD
Mthd Phase Diff. H.pr 0.016 V.pr 0.052

GPSQC1 NM Min SVs 5 PDOP max 2.1
Total GPS pos 9 HDOP max 0.6
Monitor status Yes VDOP max 2.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250567.0 End wk 1073 sec 250575.0

GPSVEC TP Point ID 3684 DX -723.903 DY 102.754
Class Normal DZ -309.262 Code GRD
Mthd Phase Diff. H.pr 0.014 V.pr 0.048

GPSQC1 NM Min SVs 5 PDOP max 2.4
Total GPS pos 7 HDOP max 0.7
Monitor status Yes VDOP max 2.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 250590.0 End wk 1073 sec 250596.0

GPSVEC TP Point ID 3685 DX -726.299 DY 103.993
Class Normal DZ -308.192 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.014 V.pr 0.049

```
GPSQC1  NM  Min SVs      5              PDOP max  2.6
        Total GPS pos  5              HDOP max  0.7
        Monitor status Yes            VDOP max  2.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 250608.0      End wk 1073   sec 250613.0

INIT    KI  Init event   Lost          Week        1073
        Init type    On the fly       seconds     250618.0
        Init counter  14              Point ID     <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000               Serial no <no text>
        Radius    0.358               V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

TE    TS  Time Date 08/02/2000 Time 15:03:20

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000               Serial no <no text>
        Radius    0.358               V.Const   0.104

GPSANT  KI  Antenna ht 4.997            Measuremt Uncorrected

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000               Serial no <no text>
        Radius    0.358               V.Const   0.104

GPSANT  KI  Antenna ht 4.997            Measuremt Uncorrected

EQUIP   BA  Receiver  4800              Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000               Serial no <no text>
        Radius    0.358               V.Const   0.104
```

GPSANT KI Antenna ht 4.997 Measuremt Uncorrected

GPSREF KI Reference BAS3

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE TS Time Date 08/02/2000 Time 15:03:49

SURVEY KI Elev mask 10 PDOP mask 6.0

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE TS Time Date 08/02/2000 Time 15:04:32

GPSANT KI Antenna ht 5.089 Measuremt True

GPSREF KI Reference BAS3

INIT KI Init event Gained Week 1073
Init type On the fly seconds 313490.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Lost Week 1073
Init type On the fly seconds 313525.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     314075.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

GPSVEC  TP  Point ID 303        DX  -233.074        DY  458.274
       Class Normal        DZ  482.906         Code SG 325+00W
       Mthd Phase Diff.    H.pr 0.027          V.pr 0.059

GPSQC1  NM  Min SVs       7              PDOP max  1.2
       Total GPS pos  7              HDOP max  0.5
       Monitor status Yes            VDOP max  1.1
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 314164.0       End wk 1073   sec 314170.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     314200.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     314226.0
       Init counter  3               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

NOTE   TS  Time Date 08/02/2000 Time 15:17:24

GPSVEC  TP  Point ID 304        DX  -233.070        DY  458.256
       Class Normal        DZ  482.904         Code SG 325+00W
       Mthd Phase Diff.    H.pr 0.025          V.pr 0.055
```

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314251.0 End wk 1073 sec 314256.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 314279.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 314410.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 305 DX 27.225 DY 268.128
Class Normal DZ 364.673 Code SG 325+00E
Mthd Phase Diff. H.pr 0.032 V.pr 0.054

PSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314446.0 End wk 1073 sec 314449.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 314454.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 314496.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 306 DX 27.154 DY 268.105
Class Normal DZ 364.649 Code SG 325+00E
Mthd Phase Diff. H.pr 0.022 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314524.0 End wk 1073 sec 314535.0

NOTE KI LINE. Name: 26, Code: , Method: Two points, Start pt: 303,

NOTE KI End pt: 305, Azimuth: 114.490°, Length: 343.303ft,

NOTE KI Grade: -0.164°

GPSVEC TP Point ID 3686 DX 25.707 DY 272.640
Class Normal DZ 363.888 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.029 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 9 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314621.0 End wk 1073 sec 314629.0

GPSVEC TP Point ID 3687 DX 20.983 DY 277.127
Class Normal DZ 365.424 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314641.0 End wk 1073 sec 314643.0

GPSVEC TP Point ID 3688 DX 13.923 DY 282.849
Class Normal DZ 368.872 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314658.0 End wk 1073 sec 314661.0

GPSVEC TP Point ID 3689 DX 12.259 DY 284.732
Class Normal DZ 369.241 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314668.0 End wk 1073 sec 314671.0

GPSVEC TP Point ID 3690 DX -2.435 DY 296.057
Class Normal DZ 375.660 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314690.0 End wk 1073 sec 314692.0

GPSVEC TP Point ID 3691 DX -16.680 DY 306.551
Class Normal DZ 381.936 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314707.0 End wk 1073 sec 314710.0

GPSVEC TP Point ID 3692 DX -29.800 DY 316.122
Class Normal DZ 388.056 Code GRD
Mthd Phase Diff. H.pr 0.017 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314741.0 End wk 1073 sec 314744.0

GPSVEC TP Point ID 3693 DX -44.412 DY 327.012
Class Normal DZ 394.651 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314764.0 End wk 1073 sec 314766.0

GPSVEC TP Point ID 3694 DX -57.357 DY 336.871
Class Normal DZ 400.158 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314780.0 End wk 1073 sec 314785.0

GPSVEC TP Point ID 3695 DX -70.580 DY 347.551
Class Normal DZ 406.031 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314803.0 End wk 1073 sec 314805.0

GPSVEC TP Point ID 3696 DX -74.238 DY 350.077
Class Normal DZ 407.931 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314816.0 End wk 1073 sec 314818.0

GPSVEC TP Point ID 3697 DX -76.196 DY 351.658
Class Normal DZ 408.234 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 11 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314828.0 End wk 1073 sec 314838.0

GPSVEC TP Point ID 3698 DX -89.815 DY 361.949
Class Normal DZ 414.227 Code GRD
Mthd Phase Diff. H.pr 0.014 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314853.0 End wk 1073 sec 314855.0

GPSVEC TP Point ID 3699 DX -99.315 DY 369.265
Class Normal DZ 418.522 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314866.0 End wk 1073 sec 314868.0

GPSVEC TP Point ID 3700 DX -108.681 DY 375.765
Class Normal DZ 422.905 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314878.0 End wk 1073 sec 314885.0

GPSVEC TP Point ID 3701 DX -112.077 DY 378.541
Class Normal DZ 424.318 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314893.0 End wk 1073 sec 314895.0

GPSVEC TP Point ID 3702 DX -117.389 DY 381.323
Class Normal DZ 427.218 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.053

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314909.0 End wk 1073 sec 314911.0

GPSVEC TP Point ID 3703 DX -129.494 DY 389.427
Class Normal DZ 432.940 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314928.0 End wk 1073 sec 314930.0

GPSVEC TP Point ID 3704 DX -143.697 DY 399.275
Class Normal DZ 439.669 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314944.0 End wk 1073 sec 314947.0

GPSVEC TP Point ID 3705 DX -154.603 DY 406.974
Class Normal DZ 444.647 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314968.0 End wk 1073 sec 314970.0

GPSVEC TP Point ID 3706 DX -169.028 DY 417.559
Class Normal DZ 451.545 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 314986.0 End wk 1073 sec 314989.0

GPSVEC TP Point ID 3707 DX -183.892 DY 427.705
Class Normal DZ 458.016 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315001.0 End wk 1073 sec 315005.0

GPSVEC TP Point ID 3708 DX -196.317 DY 436.838
Class Normal DZ 463.838 Code GRD
Mthd Phase Diff. H.pr 0.015 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315022.0 End wk 1073 sec 315025.0

GPSVEC TP Point ID 3709 DX -208.696 DY 445.735
Class Normal DZ 469.490 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315040.0 End wk 1073 sec 315042.0

GPSVEC TP Point ID 3710 DX -216.406 DY 450.953
Class Normal DZ 473.300 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315057.0 End wk 1073 sec 315059.0

GPSVEC TP Point ID 3711 DX -225.695 DY 457.362
Class Normal DZ 477.520 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315070.0 End wk 1073 sec 315072.0

GPSVEC TP Point ID 3712 DX -228.753 DY 459.320
Class Normal DZ 479.086 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.018 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315088.0 End wk 1073 sec 315090.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 315112.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 315357.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 307 DX 102.207 DY 910.881
Class Normal DZ 1312.224 Code SG 335+00W
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315408.0 End wk 1073 sec 315410.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 315418.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 315458.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 308 DX 102.164 DY 910.883
Class Normal DZ 1312.223 Code SG 335+00W
Mthd Phase Diff. H.pr 0.023 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315466.0 End wk 1073 sec 315471.0

NOTE KI LINE. Name: 27, Code: , Method: Two points, Start pt: 308,

NOTE KI End pt: 202, Azimuth: 272.271°, Length: 15.104ft,

NOTE KI Grade: 38.846°

GPSVEC TP Point ID 3713 DX 106.652 DY 912.247
Class Normal DZ 1309.909 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315759.0 End wk 1073 sec 315762.0

GPSVEC TP Point ID 3714 DX 111.648 DY 911.068
Class Normal DZ 1309.404 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315779.0 End wk 1073 sec 315781.0

GPSVEC TP Point ID 3715 DX 120.123 DY 906.718
Class Normal DZ 1309.205 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315792.0 End wk 1073 sec 315794.0

GPSVEC TP Point ID 3716 DX 137.087 DY 900.190
Class Normal DZ 1308.767 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315813.0 End wk 1073 sec 315816.0

GPSVEC TP Point ID 3717 DX 151.063 DY 893.674
Class Normal DZ 1308.347 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315839.0 End wk 1073 sec 315841.0

GPSVEC TP Point ID 3718 DX 166.736 DY 887.187
Class Normal DZ 1307.607 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315858.0 End wk 1073 sec 315861.0

GPSVEC TP Point ID 3719 DX 184.211 DY 880.590
Class Normal DZ 1306.709 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315882.0 End wk 1073 sec 315884.0

GPSVEC TP Point ID 3720 DX 200.702 DY 873.678
Class Normal DZ 1305.532 Code GRD
Mthd Phase Diff. H.pr 0.017 V.pr 0.030

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315899.0 End wk 1073 sec 315901.0

GPSVEC TP Point ID 3721 DX 211.816 DY 868.762
Class Normal DZ 1305.526 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315916.0 End wk 1073 sec 315918.0

GPSVEC TP Point ID 3722 DX 222.034 DY 864.682
Class Normal DZ 1304.992 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315934.0 End wk 1073 sec 315937.0

GPSVEC TP Point ID 3723 DX 234.534 DY 859.930
Class Normal DZ 1304.174 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.031

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315954.0 End wk 1073 sec 315957.0

GPSVEC TP Point ID 3724 DX 246.584 DY 855.627
Class Normal DZ 1303.375 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315973.0 End wk 1073 sec 315976.0

GPSVEC TP Point ID 3725 DX 247.678 DY 856.103
Class Normal DZ 1302.669 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 315984.0 End wk 1073 sec 315987.0

GPSVEC TP Point ID 3726 DX 250.455 DY 854.783
Class Normal DZ 1302.432 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316000.0 End wk 1073 sec 316002.0

GPSVEC TP Point ID 3727 DX 253.632 DY 852.837
Class Normal DZ 1302.844 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316016.0 End wk 1073 sec 316018.0

GPSVEC TP Point ID 3728 DX 264.635 DY 847.776
Class Normal DZ 1302.511 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316034.0 End wk 1073 sec 316037.0

GPSVEC TP Point ID 3729 DX 268.855 DY 846.762
Class Normal DZ 1302.189 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316050.0 End wk 1073 sec 316052.0

NOTE TS Time Date 08/02/2000 Time 15:47:30

GPSVEC TP Point ID 3730 DX 273.216 DY 845.022
Class Normal DZ 1301.710 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316059.0 End wk 1073 sec 316062.0

GPSVEC TP Point ID 3731 DX 275.739 DY 843.621
Class Normal DZ 1301.844 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.036

PSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316076.0 End wk 1073 sec 316078.0

GPSVEC TP Point ID 3732 DX 282.459 DY 840.855
Class Normal DZ 1301.224 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316094.0 End wk 1073 sec 316097.0

GPSVEC TP Point ID 3733 DX 293.653 DY 836.536
Class Normal DZ 1300.756 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316113.0 End wk 1073 sec 316116.0

GPSVEC TP Point ID 3734 DX 294.721 DY 834.933
Class Normal DZ 1301.487 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316126.0 End wk 1073 sec 316128.0

GPSVEC TP Point ID 3735 DX 303.551 DY 829.982
Class Normal DZ 1301.918 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316143.0 End wk 1073 sec 316145.0

GPSVEC TP Point ID 3736 DX 320.475 DY 822.112
Class Normal DZ 1301.649 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316161.0 End wk 1073 sec 316163.0

GPSVEC TP Point ID 3737 DX 335.445 DY 815.364
Class Normal DZ 1301.542 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316174.0 End wk 1073 sec 316177.0

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GPSVEC  TP  Point ID 3738      DX  351.804        DY  807.386
        Class Normal       DZ  1300.995       Code GRD
        Mthd Phase Diff.   H.pr 0.030          V.pr 0.050

GPSQC1  NM  Min SVs      6            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316191.0      End wk 1073   sec 316193.0

GPSVEC  TP  Point ID 3739      DX  365.949        DY  801.035
        Class Normal       DZ  1301.025       Code GRD
        Mthd Phase Diff.   H.pr 0.019          V.pr 0.032

GPSQC1  NM  Min SVs      6            PDOP max  1.1
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316210.0      End wk 1073   sec 316212.0

GPSVEC  TP  Point ID 3740      DX  378.707        DY  795.043
        Class Normal       DZ  1300.686       Code GRD
        Mthd Phase Diff.   H.pr 0.028          V.pr 0.045

GPSQC1  NM  Min SVs      6            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316242.0      End wk 1073   sec 316244.0

GPSVEC  TP  Point ID 309       DX  384.445        DY  711.114
        Class Normal       DZ  1194.318       Code SG 335+00E
        Mthd Phase Diff.   H.pr 0.033          V.pr 0.053

GPSQC1  NM  Min SVs      6            PDOP max  1.1
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316328.0      End wk 1073   sec 316331.0

INIT    KI  Init event    Lost          Week        1073
        Init type    On the fly       seconds     316343.0
        Init counter  7              Point ID     <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>         Plate azimuth <null>
```

```
INIT   KI  Init event   Gained          Week        1073
           Init type    On the fly      seconds     316438.0
           Init counter 8               Point ID    <no text>
           Survey type  Real Time       Plate H. Dist <null>
           Plate V. Dist <null>         Plate azimuth <null>

GPSVEC  TP  Point ID 310      DX  384.487       DY  711.110
           Class Normal      DZ  1194.380      Code SG 335+00E
           Mthd Phase Diff.  H.pr 0.025        V.pr 0.039

GPSQC1  NM  Min SVs      6            PDOP max  1.2
           Total GPS pos  3           HDOP max  0.6
           Monitor status Yes         VDOP max  1.0
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1073 sec 316464.0      End wk 1073   sec 316467.0

NOTE   KI  LINE. Name: 28, Code: , Method: Two points, Start pt: 310,

NOTE   KI  End pt: 160, Azimuth: 91.739°, Length: 14.257ft,

NOTE   KI  Grade: 40.724°

GPSVEC  TP  Point ID 3741     DX  381.974       DY  715.677
           Class Normal      DZ  1192.207      Code TOE LEVEE
           Mthd Phase Diff.  H.pr 0.027        V.pr 0.050

GPSQC1  NM  Min SVs      5            PDOP max  2.0
           Total GPS pos  3           HDOP max  0.9
           Monitor status Yes         VDOP max  1.7
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1073 sec 316542.0      End wk 1073   sec 316544.0

GPSVEC  TP  Point ID 3742     DX  375.506       DY  718.995
           Class Normal      DZ  1192.151      Code GRD
           Mthd Phase Diff.  H.pr 0.029        V.pr 0.044

GPSQC1  NM  Min SVs      6            PDOP max  1.0
           Total GPS pos  4           HDOP max  0.6
           Monitor status Yes         VDOP max  0.9
           Horizontal SD  0.000       Vert SD   0.000
           Start wk 1073 sec 316559.0      End wk 1073   sec 316562.0

GPSVEC  TP  Point ID 3743     DX  368.993       DY  721.607
           Class Normal      DZ  1192.427      Code GRD
           Mthd Phase Diff.  H.pr 0.026        V.pr 0.039
```

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316575.0 End wk 1073 sec 316577.0

GPSVEC TP Point ID 3744 DX 361.997 DY 724.416
Class Normal DZ 1192.871 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316588.0 End wk 1073 sec 316591.0

GPSVEC TP Point ID 3745 DX 347.075 DY 731.487
Class Normal DZ 1192.680 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316603.0 End wk 1073 sec 316606.0

GPSVEC TP Point ID 3746 DX 330.403 DY 739.386
Class Normal DZ 1192.632 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316625.0 End wk 1073 sec 316627.0

GPSVEC TP Point ID 3747 DX 325.661 DY 741.643
Class Normal DZ 1192.456 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316641.0 End wk 1073 sec 316643.0

GPSVEC TP Point ID 3748 DX 314.000 DY 746.490
Class Normal DZ 1193.099 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316663.0 End wk 1073 sec 316665.0

GPSVEC TP Point ID 3749 DX 299.907 DY 753.356
Class Normal DZ 1193.048 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316688.0 End wk 1073 sec 316691.0

GPSVEC TP Point ID 3750 DX 280.772 DY 761.781
Class Normal DZ 1192.902 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316722.0 End wk 1073 sec 316724.0

GPSVEC TP Point ID 3751 DX 268.408 DY 767.619
Class Normal DZ 1192.775 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316740.0 End wk 1073 sec 316742.0

GPSVEC TP Point ID 3752 DX 260.658 DY 771.415
Class Normal DZ 1192.601 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.039

```
GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316758.0      End wk 1073   sec 316760.0

GPSVEC  TP  Point ID 3753      DX   258.722        DY   772.861
        Class Normal        DZ   1192.278        Code GRD
        Mthd Phase Diff.    H.pr 0.026           V.pr 0.038

GPSQC1  NM  Min SVs      7            PDOP max  0.8
        Total GPS pos  3            HDOP max  0.4
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316770.0      End wk 1073   sec 316772.0

GPSVEC  TP  Point ID 3754      DX   253.938        DY   775.286
        Class Normal        DZ   1192.574        Code GRD
        Mthd Phase Diff.    H.pr 0.023           V.pr 0.033

GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316783.0      End wk 1073   sec 316785.0

GPSVEC  TP  Point ID 3755      DX   242.061        DY   780.742
        Class Normal        DZ   1192.311        Code GRD
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.035

GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316800.0      End wk 1073   sec 316802.0

GPSVEC  TP  Point ID 3756      DX   235.732        DY   783.264
        Class Normal        DZ   1192.895        Code GRD
        Mthd Phase Diff.    H.pr 0.028           V.pr 0.041

GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 316821.0      End wk 1073   sec 316823.0
```

GPSVEC TP Point ID 3757 DX 233.783 DY 784.038
Class Normal DZ 1193.292 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316836.0 End wk 1073 sec 316838.0

GPSVEC TP Point ID 3758 DX 226.324 DY 786.397
Class Normal DZ 1193.086 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316853.0 End wk 1073 sec 316855.0

GPSVEC TP Point ID 3759 DX 217.807 DY 789.792
Class Normal DZ 1194.030 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316870.0 End wk 1073 sec 316872.0

GPSVEC TP Point ID 3760 DX 208.491 DY 792.742
Class Normal DZ 1194.363 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 316887.0 End wk 1073 sec 316889.0

GPSVEC TP Point ID 3761 DX 198.422 DY 796.263
Class Normal DZ 1195.363 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.037

```
GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 316904.0       End wk 1073   sec 316906.0

GPSVEC  TP  Point ID 3762      DX   181.629        DY   803.342
        Class Normal        DZ   1195.869        Code GRD
        Mthd Phase Diff.    H.pr 0.029           V.pr 0.042

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 316928.0       End wk 1073   sec 316930.0

GPSVEC  TP  Point ID 3763      DX   166.335        DY   809.064
        Class Normal        DZ   1196.655        Code GRD
        Mthd Phase Diff.    H.pr 0.027           V.pr 0.039

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 316951.0       End wk 1073   sec 316953.0

GPSVEC  TP  Point ID 3764      DX   146.715        DY   817.025
        Class Normal        DZ   1197.012        Code GRD
        Mthd Phase Diff.    H.pr 0.028           V.pr 0.041

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 316975.0       End wk 1073   sec 316977.0

GPSVEC  TP  Point ID 3765      DX   129.081        DY   824.609
        Class Normal        DZ   1197.872        Code GRD
        Mthd Phase Diff.    H.pr 0.034           V.pr 0.049

GPSQC1  NM  Min SVs      7              PDOP max  0.7
        Total GPS pos  5              HDOP max  0.4
        Monitor status Yes            VDOP max  0.6
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 316998.0       End wk 1073   sec 317003.0
```

GPSVEC TP Point ID 3766 DX 109.697 DY 832.558
Class Normal DZ 1198.504 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 317026.0 End wk 1073 sec 317028.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 317033.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 317594.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 311 DX 422.133 DY 1363.914
Class Normal DZ 2130.267 Code SG 345+00W
Mthd Phase Diff. H.pr 0.027 V.pr 0.041

GPSQC1 NM Min SVs 5 PDOP max 1.7
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 317636.0 End wk 1073 sec 317639.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 317651.0
Init counter 9 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 317699.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 312 DX 422.140 DY 1363.891
Class Normal DZ 2130.218 Code SG 345+00W
Mthd Phase Diff. H.pr 0.025 V.pr 0.038

GPSQC1 NM Min SVs 5 PDOP max 1.6
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 317730.0 End wk 1073 sec 317732.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 317753.0
Init counter 10 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 317806.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Lost Week 1073
Init type On the fly seconds 317813.0
Init counter 11 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 08/02/2000 Time 16:18:13

INIT KI Init event Gained Week 1073
Init type On the fly seconds 317904.0
Init counter 12 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 313 DX 678.460 DY 1195.159
Class Normal DZ 2045.327 Code SG 345+00E
Mthd Phase Diff. H.pr 0.033 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 317933.0 End wk 1073 sec 317936.0

```
INIT   KI  Init event   Lost          Week        1073
           Init type    On the fly    seconds     317940.0
           Init counter 12            Point ID    <no text>
           Survey type  Real Time      Plate H. Dist <null>
           Plate V. Dist <null>       Plate azimuth <null>

INIT   KI  Init event   Gained        Week        1073
           Init type    On the fly    seconds     317990.0
           Init counter 13            Point ID    <no text>
           Survey type  Real Time      Plate H. Dist <null>
           Plate V. Dist <null>       Plate azimuth <null>

GPSVEC TP  Point ID 314      DX  678.422      DY  1195.161
           Class Normal      DZ  2045.316     Code SG 345+00E
           Mthd Phase Diff.  H.pr 0.043       V.pr 0.054

GPSQC1 NM  Min SVs      6          PDOP max 0.9
           Total GPS pos 5         HDOP max 0.5
           Monitor status Yes      VDOP max 0.7
           Horizontal SD 0.000     Vert SD  0.000
           Start wk 1073 sec 317998.0    End wk 1073  sec 318002.0

NOTE   KI  LINE. Name: 29, Code: , Method: Two points, Start pt: 311,

NOTE   KI  End pt: 313, Azimuth: 109.147°, Length: 318.377ft,

NOTE   KI  Grade: 0.395°

GPSVEC TP  Point ID 3767     DX  676.440      DY  1200.301
           Class Normal      DZ  2044.534     Code TOE LEVEE
           Mthd Phase Diff.  H.pr 0.032       V.pr 0.040

GPSQC1 NM  Min SVs      5          PDOP max 1.1
           Total GPS pos 4         HDOP max 0.7
           Monitor status Yes      VDOP max 0.8
           Horizontal SD 0.000     Vert SD  0.000
           Start wk 1073 sec 318081.0    End wk 1073  sec 318085.0

GPSVEC TP  Point ID 3768     DX  673.868      DY  1202.289
           Class Normal      DZ  2044.869     Code GRD
           Mthd Phase Diff.  H.pr 0.036       V.pr 0.045
```

GPSQC1 NM Min SVs 5 PDOP max 1.1
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318100.0 End wk 1073 sec 318103.0

GPSVEC TP Point ID 3769 DX 658.998 DY 1212.263
Class Normal DZ 2049.726 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318124.0 End wk 1073 sec 318126.0

GPSVEC TP Point ID 3770 DX 646.500 DY 1220.766
Class Normal DZ 2053.839 Code GRD
Mthd Phase Diff. H.pr 0.043 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318143.0 End wk 1073 sec 318147.0

GPSVEC TP Point ID 3771 DX 633.923 DY 1229.989
Class Normal DZ 2057.388 Code GRD
Mthd Phase Diff. H.pr 0.042 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 0.6
Total GPS pos 12 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318163.0 End wk 1073 sec 318174.0

GPSVEC TP Point ID 3772 DX 629.463 DY 1233.305
Class Normal DZ 2058.636 Code GRD
Mthd Phase Diff. H.pr 0.039 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 0.8
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318184.0 End wk 1073 sec 318190.0

GPSVEC TP Point ID 3773 DX 620.455 DY 1238.470
Class Normal DZ 2062.087 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.047

GPSQC1 NM Min SVs 5 PDOP max 0.8
Total GPS pos 8 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318204.0 End wk 1073 sec 318211.0

GPSVEC TP Point ID 3774 DX 606.120 DY 1247.849
Class Normal DZ 2067.248 Code GRD
Mthd Phase Diff. H.pr 0.042 V.pr 0.053

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318228.0 End wk 1073 sec 318232.0

GPSVEC TP Point ID 3775 DX 591.824 DY 1257.190
Class Normal DZ 2071.547 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.038

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318252.0 End wk 1073 sec 318255.0

GPSVEC TP Point ID 3776 DX 577.016 DY 1267.366
Class Normal DZ 2076.285 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.035

GPSQC1 NM Min SVs 5 PDOP max 1.5
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318271.0 End wk 1073 sec 318273.0

GPSVEC TP Point ID 3777 DX 566.817 DY 1273.931
Class Normal DZ 2080.165 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.034

```
GPSQC1  NM  Min SVs      5            PDOP max  1.4
        Total GPS pos  3            HDOP max  0.8
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 318287.0      End wk 1073   sec 318290.0

GPSVEC  TP  Point ID 3778      DX   553.885        DY   1282.195
        Class Normal        DZ   2084.277        Code GRD
        Mthd Phase Diff.    H.pr 0.035          V.pr 0.044

GPSQC1  NM  Min SVs      5            PDOP max  1.4
        Total GPS pos  4            HDOP max  0.8
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 318303.0      End wk 1073   sec 318306.0

GPSVEC  TP  Point ID 3779      DX   542.741        DY   1288.687
        Class Normal        DZ   2088.133        Code GRD
        Mthd Phase Diff.    H.pr 0.039          V.pr 0.049

GPSQC1  NM  Min SVs      5            PDOP max  1.4
        Total GPS pos  3            HDOP max  0.8
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 318317.0      End wk 1073   sec 318320.0

GPSVEC  TP  Point ID 3780      DX   535.148        DY   1294.433
        Class Normal        DZ   2090.892        Code E/CNC
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.041

GPSQC1  NM  Min SVs      5            PDOP max  1.5
        Total GPS pos  3            HDOP max  0.9
        Monitor status Yes          VDOP max  1.2
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 318337.0      End wk 1073   sec 318339.0

GPSVEC  TP  Point ID 3781      DX   526.640        DY   1299.713
        Class Normal        DZ   2093.394        Code E/CNC
        Mthd Phase Diff.    H.pr 0.032          V.pr 0.041

GPSQC1  NM  Min SVs      5            PDOP max  1.5
        Total GPS pos  3            HDOP max  0.9
        Monitor status Yes          VDOP max  1.2
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 318348.0      End wk 1073   sec 318350.0
```

GPSVEC TP Point ID 3782 DX 514.390 DY 1307.883
Class Normal DZ 2097.244 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.038

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318363.0 End wk 1073 sec 318366.0

GPSVEC TP Point ID 3783 DX 498.092 DY 1318.112
Class Normal DZ 2103.123 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.045

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318424.0 End wk 1073 sec 318427.0

GPSVEC TP Point ID 3784 DX 485.927 DY 1326.401
Class Normal DZ 2107.055 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.038

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.9
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 318443.0 End wk 1073 sec 318446.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 318512.0
Init counter 13 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

NOTE TS Time Date 08/02/2000 Time 17:04:36

INIT KI Init event Gained Week 1073
Init type On the fly seconds 320688.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 3785 DX 481.066 DY 1329.158
Class Normal DZ 2108.682 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320768.0 End wk 1073 sec 320770.0

GPSVEC TP Point ID 3786 DX 470.285 DY 1336.314
Class Normal DZ 2112.728 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320786.0 End wk 1073 sec 320791.0

GPSVEC TP Point ID 3787 DX 463.074 DY 1340.457
Class Normal DZ 2115.077 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.051

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320814.0 End wk 1073 sec 320817.0

GPSVEC TP Point ID 3788 DX 459.363 DY 1343.818
Class Normal DZ 2116.062 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.031

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320826.0 End wk 1073 sec 320828.0

GPSVEC TP Point ID 3789 DX 454.430 DY 1346.078
Class Normal DZ 2117.637 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.0
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320842.0 End wk 1073 sec 320846.0

GPSVEC TP Point ID 3790 DX 443.240 DY 1352.869
Class Normal DZ 2122.069 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 5 PDOP max 1.7
Total GPS pos 3 HDOP max 0.8
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320858.0 End wk 1073 sec 320860.0

GPSVEC TP Point ID 3791 DX 439.303 DY 1356.487
Class Normal DZ 2122.569 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.042

GPSQC1 NM Min SVs 5 PDOP max 1.7
Total GPS pos 3 HDOP max 0.8
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320870.0 End wk 1073 sec 320872.0

GPSVEC TP Point ID 3792 DX 426.963 DY 1365.038
Class Normal DZ 2126.790 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 4 PDOP max 1.6
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 320889.0 End wk 1073 sec 320892.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 320898.0
Init counter 14 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 321195.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 315 DX 933.258 DY 1714.930
Class Normal DZ 2923.154 Code SG 355+00W
Mthd Phase Diff. H.pr 0.028 V.pr 0.051

GPSQC1 NM Min SVs 5 PDOP max 1.5
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321273.0 End wk 1073 sec 321276.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 321281.0
Init counter 15 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

IT KI Init event Gained Week 1073
Init type On the fly seconds 321323.0
Init counter 16 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 316 DX 933.236 DY 1714.974
Class Normal DZ 2923.142 Code SG 355+00W
Mthd Phase Diff. H.pr 0.023 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321331.0 End wk 1073 sec 321334.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 321409.0
Init counter 16 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

RVEY EVENTKISurvey event Communications error

INIT KI Init event Lost Week 1073
Init type On the fly seconds 321556.0
Init counter 16 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 321574.0
Init counter 17 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 317 DX 1159.361 DY 1510.325
Class Normal DZ 2769.022 Code SG 355+00E
Mthd Phase Diff. H.pr 0.032 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 10 HDOP max 0.4
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321620.0 End wk 1073 sec 321630.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 321636.0
Init counter 17 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 321682.0
Init counter 18 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 318 DX 1159.380 DY 1510.271
Class Normal DZ 2768.987 Code SG 355+00E
Mthd Phase Diff. H.pr 0.033 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321692.0 End wk 1073 sec 321694.0

TE KI LINE, Name: 30, Code: , Method: Two points, Start pt: 316,

NOTE KI End pt: 318, Azimuth: 123.128°, Length: 341.723ft,

NOTE KI Grade: 0.190°

GPSVEC TP Point ID 3793 DX 1157.997 DY 1515.671
Class Normal DZ 2768.557 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.026 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321769.0 End wk 1073 sec 321773.0

GPSVEC TP Point ID 3794 DX 1145.668 DY 1527.429
Class Normal DZ 2776.674 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.054

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321797.0 End wk 1073 sec 321803.0

GPSVEC TP Point ID 3795 DX 1134.184 DY 1539.032
Class Normal DZ 2784.111 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321838.0 End wk 1073 sec 321840.0

GPSVEC TP Point ID 3796 DX 1123.982 DY 1549.773
Class Normal DZ 2791.043 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321854.0 End wk 1073 sec 321857.0

GPSVEC TP Point ID 3797 DX 1114.408 DY 1558.431
Class Normal DZ 2797.314 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321869.0 End wk 1073 sec 321871.0

GPSVEC TP Point ID 3798 DX 1105.243 DY 1567.438
Class Normal DZ 2802.949 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321888.0 End wk 1073 sec 321890.0

GPSVEC TP Point ID 3799 DX 1103.379 DY 1571.218
Class Normal DZ 2804.018 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.052

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321905.0 End wk 1073 sec 321907.0

GPSVEC TP Point ID 3800 DX 1100.946 DY 1573.567
Class Normal DZ 2805.448 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 321925.0 End wk 1073 sec 321927.0

GPSVEC TP Point ID 3801 DX 1094.386 DY 1578.295
Class Normal DZ 2809.981 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.047

```
GPSQC1  NM  Min SVs      7            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 321946.0      End wk 1073   sec 321948.0

GPSVEC  TP  Point ID 3802      DX   1086.494       DY   1585.418
        Class Normal       DZ   2815.800       Code GRD
        Mthd Phase Diff.    H.pr 0.030          V.pr 0.047

GPSQC1  NM  Min SVs      6            PDOP max  0.7
        Total GPS pos  14           HDOP max  0.4
        Monitor status Yes          VDOP max  0.6
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 321967.0      End wk 1073   sec 321980.0

GPSVEC  TP  Point ID 3803      DX   1083.317       DY   1587.441
        Class Normal       DZ   2818.142       Code GRD
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.040

GPSQC1  NM  Min SVs      7            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 321995.0      End wk 1073   sec 321997.0

GPSVEC  TP  Point ID 3804      DX   1080.613       DY   1589.320
        Class Normal       DZ   2820.010       Code GRD
        Mthd Phase Diff.    H.pr 0.028          V.pr 0.045

GPSQC1  NM  Min SVs      7            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322009.0      End wk 1073   sec 322011.0

GPSVEC  TP  Point ID 3805      DX   1077.356       DY   1590.833
        Class Normal       DZ   2823.199       Code GRD
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.043

GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  6            HDOP max  0.5
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322022.0      End wk 1073   sec 322027.0
```

GPSVEC TP Point ID 3806 DX 1072.501 DY 1593.684
Class Normal DZ 2826.600 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322036.0 End wk 1073 sec 322039.0

GPSVEC TP Point ID 3807 DX 1059.911 DY 1605.377
Class Normal DZ 2835.059 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322059.0 End wk 1073 sec 322061.0

GPSVEC TP Point ID 3808 DX 1046.514 DY 1617.356
Class Normal DZ 2844.122 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322080.0 End wk 1073 sec 322082.0

GPSVEC TP Point ID 3809 DX 1032.305 DY 1630.417
Class Normal DZ 2854.211 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322098.0 End wk 1073 sec 322100.0

GPSVEC TP Point ID 3810 DX 1021.093 DY 1639.985
Class Normal DZ 2861.733 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.042

```
GPSQC1  NM  Min SVs      6            PDOP max  1.1
        Total GPS pos  4            HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322121.0      End wk 1073   sec 322124.0

GPSVEC  TP  Point ID 3811      DX   1009.837        DY   1650.385
        Class Normal        DZ   2869.290        Code GRD
        Mthd Phase Diff.    H.pr 0.026           V.pr 0.046

GPSQC1  NM  Min SVs      6            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322140.0      End wk 1073   sec 322142.0

GPSVEC  TP  Point ID 3812      DX   996.161         DY   1662.689
        Class Normal        DZ   2878.380        Code GRD
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.043

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322159.0      End wk 1073   sec 322161.0

GPSVEC  TP  Point ID 3813      DX   985.111         DY   1673.747
        Class Normal        DZ   2885.832        Code GRD
        Mthd Phase Diff.    H.pr 0.018           V.pr 0.031

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322182.0      End wk 1073   sec 322184.0

GPSVEC  TP  Point ID 3814      DX   975.998         DY   1682.293
        Class Normal        DZ   2891.795        Code GRD
        Mthd Phase Diff.    H.pr 0.018           V.pr 0.032

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 322201.0      End wk 1073   sec 322203.0
```

GPSVEC TP Point ID 3815 DX 962.307 DY 1694.707
Class Normal DZ 2901.437 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322232.0 End wk 1073 sec 322234.0

GPSVEC TP Point ID 3816 DX 958.145 DY 1698.746
Class Normal DZ 2904.334 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322246.0 End wk 1073 sec 322248.0

GPSVEC TP Point ID 3817 DX 953.339 DY 1701.883
Class Normal DZ 2907.254 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322276.0 End wk 1073 sec 322278.0

GPSVEC TP Point ID 3818 DX 945.265 DY 1708.940
Class Normal DZ 2913.495 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 322290.0 End wk 1073 sec 322292.0

GPSVEC TP Point ID 3819 DX 938.891 DY 1714.755
Class Normal DZ 2917.489 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

```
GPSQC1  NM  Min SVs      6              PDOP max  1.5
        Total GPS pos  3              HDOP max  0.8
        Monitor status Yes            VDOP max  1.3
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 322303.0       End wk 1073   sec 322305.0

GPSVEC  TP  Point ID 3820       DX   937.264        DY   1716.032
        Class Normal        DZ   2918.793        Code TOE LEVEE
        Mthd Phase Diff.    H.pr 0.030           V.pr 0.051

GPSQC1  NM  Min SVs      7              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 322316.0       End wk 1073   sec 322318.0

INIT    KI  Init event    Lost            Week        1073
        Init type     On the fly        seconds     322327.0
        Init counter  18                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

NOTE    TS  Time Date 08/02/2000 Time 18:10:08

INIT    KI  Init event    Gained          Week        1073
        Init type     On the fly        seconds     324620.0
        Init counter  19                Point ID    <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

NOTE    KI  LINE. Name: 31, Code: , Method: Two points, Start pt: 210,

NOTE    KI  End pt: 214, Azimuth: 317.333°, Length: 333.695ft,

NOTE    KI  Grade: 0.172°

GPSVEC  TP  Point ID 3821       DX   9675.867        DY   3549.398
        Class Normal        DZ   10517.224       Code TOE LEVEE
        Mthd Phase Diff.    H.pr 0.027           V.pr 0.052

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 325151.0       End wk 1073   sec 325154.0
```

GPSVEC TP Point ID 3822 DX 9673.956 DY 3552.292
Class Normal DZ 10518.676 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325167.0 End wk 1073 sec 325169.0

GPSVEC TP Point ID 3823 DX 9665.922 DY 3563.117
Class Normal DZ 10529.177 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325184.0 End wk 1073 sec 325187.0

GPSVEC TP Point ID 3824 DX 9658.219 DY 3573.778
Class Normal DZ 10540.058 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325204.0 End wk 1073 sec 325208.0

GPSVEC TP Point ID 3825 DX 9651.632 DY 3582.688
Class Normal DZ 10547.484 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325228.0 End wk 1073 sec 325233.0

GPSVEC TP Point ID 3826 DX 9648.956 DY 3586.175
Class Normal DZ 10551.528 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325247.0 End wk 1073 sec 325252.0

GPSVEC TP Point ID 3827 DX 9645.315 DY 3591.363
Class Normal DZ 10555.595 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.053

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325264.0 End wk 1073 sec 325268.0

GPSVEC TP Point ID 3828 DX 9640.605 DY 3597.091
Class Normal DZ 10561.992 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325284.0 End wk 1073 sec 325288.0

GPSVEC TP Point ID 3829 DX 9636.813 DY 3603.181
Class Normal DZ 10567.341 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325305.0 End wk 1073 sec 325308.0

GPSVEC TP Point ID 3830 DX 9629.199 DY 3612.142
Class Normal DZ 10576.296 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.047

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325322.0 End wk 1073 sec 325324.0

GPSVEC TP Point ID 3831 DX 9628.252 DY 3614.718
Class Normal DZ 10577.808 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.044

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325336.0 End wk 1073 sec 325340.0

GPSVEC TP Point ID 3832 DX 9625.589 DY 3617.007
Class Normal DZ 10581.142 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325351.0 End wk 1073 sec 325353.0

GPSVEC TP Point ID 3833 DX 9622.619 DY 3621.335
Class Normal DZ 10585.063 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325362.0 End wk 1073 sec 325366.0

GPSVEC TP Point ID 3834 DX 9617.907 DY 3627.931
Class Normal DZ 10591.018 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325377.0 End wk 1073 sec 325379.0

GPSVEC TP Point ID 3835 DX 9616.813 DY 3630.682
Class Normal DZ 10592.926 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325389.0 End wk 1073 sec 325391.0

GPSVEC TP Point ID 3836 DX 9612.121 DY 3636.526
Class Normal DZ 10599.080 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.040

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325409.0 End wk 1073 sec 325411.0

GPSVEC TP Point ID 3837 DX 9606.245 DY 3644.431
Class Normal DZ 10606.410 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325425.0 End wk 1073 sec 325427.0

GPSVEC TP Point ID 3838 DX 9599.977 DY 3653.391
Class Normal DZ 10614.684 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325449.0 End wk 1073 sec 325451.0

GPSVEC TP Point ID 3839 DX 9593.779 DY 3661.386
Class Normal DZ 10621.604 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.050

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325471.0 End wk 1073 sec 325473.0

GPSVEC TP Point ID 3840 DX 9585.075 DY 3672.405
Class Normal DZ 10632.790 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325496.0 End wk 1073 sec 325498.0

GPSVEC TP Point ID 3841 DX 9583.630 DY 3673.433
Class Normal DZ 10634.441 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325509.0 End wk 1073 sec 325511.0

GPSVEC TP Point ID 3842 DX 9580.831 DY 3678.389
Class Normal DZ 10638.309 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325526.0 End wk 1073 sec 325530.0

GPSVEC TP Point ID 3843 DX 9578.951 DY 3679.979
Class Normal DZ 10641.311 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 6 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325540.0 End wk 1073 sec 325546.0

GPSVEC TP Point ID 3844 DX 9577.614 DY 3683.638
Class Normal DZ 10643.616 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.043

GPSQC1 NM Min SVs 9 PDOP max 0.7
Total GPS pos 5 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325557.0 End wk 1073 sec 325562.0

GPSVEC TP Point ID 3845 DX 9573.417 DY 3687.569
Class Normal DZ 10648.148 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.6
Total GPS pos 9 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325575.0 End wk 1073 sec 325584.0

GPSVEC TP Point ID 3846 DX 9570.066 DY 3692.408
Class Normal DZ 10652.083 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.6
Total GPS pos 8 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325604.0 End wk 1073 sec 325611.0

GPSVEC TP Point ID 3847 DX 9566.376 DY 3697.199
Class Normal DZ 10657.593 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.054

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325627.0 End wk 1073 sec 325630.0

GPSVEC TP Point ID 3848 DX 9563.057 DY 3701.145
Class Normal DZ 10661.886 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325650.0 End wk 1073 sec 325652.0

GPSVEC TP Point ID 3849 DX 9562.179 DY 3703.013
Class Normal DZ 10662.530 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325661.0 End wk 1073 sec 325663.0

GPSVEC TP Point ID 3850 DX 9559.156 DY 3706.163
Class Normal DZ 10666.194 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325678.0 End wk 1073 sec 325681.0

GPSVEC TP Point ID 3851 DX 9556.291 DY 3710.128
Class Normal DZ 10670.851 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.037

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325694.0 End wk 1073 sec 325697.0

GPSVEC TP Point ID 3852 DX 9553.617 DY 3713.467
Class Normal DZ 10673.031 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 9 PDOP max 0.4
Total GPS pos 17 HDOP max 0.2
Monitor status Yes VDOP max 0.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325712.0 End wk 1073 sec 325728.0

GPSVEC TP Point ID 3853 DX 9551.185 DY 3716.632
Class Normal DZ 10677.365 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 9 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325739.0 End wk 1073 sec 325741.0

GPSVEC TP Point ID 3854 DX 9547.350 DY 3721.729
Class Normal DZ 10681.794 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.049

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325758.0 End wk 1073 sec 325761.0

GPSVEC TP Point ID 3855 DX 9546.136 DY 3723.698
Class Normal DZ 10683.278 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 9 PDOP max 0.6
Total GPS pos 7 HDOP max 0.3
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325771.0 End wk 1073 sec 325778.0

GPSVEC TP Point ID 3856 DX 9541.497 DY 3729.672
Class Normal DZ 10689.341 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.047

GPSQC1 NM Min SVs 9 PDOP max 0.8
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325799.0 End wk 1073 sec 325803.0

GPSVEC TP Point ID 3857 DX 9538.228 DY 3734.153
Class Normal DZ 10692.892 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 6 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325814.0 End wk 1073 sec 325819.0

GPSVEC TP Point ID 3858 DX 9531.177 DY 3741.815
Class Normal DZ 10702.177 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.022 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325844.0 End wk 1073 sec 325856.0

GPSVEC TP Point ID 319 DX 9550.624 DY 3742.951
Class Normal DZ 10727.716 Code SG 25+00N
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325934.0 End wk 1073 sec 325936.0

INIT KI Init event Lost(RMS) Week 1073
Init type On the fly seconds 325945.0
Init counter 19 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 325966.0
Init counter 20 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 320 DX 9550.614 DY 3742.958
Class Normal DZ 10727.711 Code SG 25+00N
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 325980.0 End wk 1073 sec 325983.0

GPSVEC TP Point ID 3859 DX 9554.335 DY 3743.534
Class Normal DZ 10723.774 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326041.0 End wk 1073 sec 326044.0

GPSVEC TP Point ID 3860 DX 9555.661 DY 3741.173
Class Normal DZ 10719.793 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326056.0 End wk 1073 sec 326058.0

GPSVEC TP Point ID 3861 DX 9563.798 DY 3730.503
Class Normal DZ 10709.665 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326078.0 End wk 1073 sec 326080.0

GPSVEC TP Point ID 3862 DX 9573.209 DY 3717.947
Class Normal DZ 10697.849 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326097.0 End wk 1073 sec 326100.0

GPSVEC TP Point ID 3863 DX 9582.315 DY 3705.760
Class Normal DZ 10686.010 Code CNC
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326114.0 End wk 1073 sec 326116.0

GPSVEC TP Point ID 3864 DX 9592.375 DY 3692.470
Class Normal DZ 10673.028 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326133.0 End wk 1073 sec 326135.0

GPSVEC TP Point ID 3865 DX 9601.929 DY 3679.886
Class Normal DZ 10660.747 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326154.0 End wk 1073 sec 326158.0

GPSVEC TP Point ID 3866 DX 9611.443 DY 3667.163
Class Normal DZ 10648.535 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326175.0 End wk 1073 sec 326178.0

GPSVEC TP Point ID 3867 DX 9620.858 DY 3654.699
Class Normal DZ 10636.640 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.045

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326196.0 End wk 1073 sec 326200.0

GPSVEC TP Point ID 3868 DX 9630.630 DY 3641.984
Class Normal DZ 10624.296 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326217.0 End wk 1073 sec 326219.0

GPSVEC TP Point ID 3869 DX 9639.911 DY 3629.326
Class Normal DZ 10612.153 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326238.0 End wk 1073 sec 326240.0

GPSVEC TP Point ID 3870 DX 9649.253 DY 3616.699
Class Normal DZ 10599.995 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326254.0 End wk 1073 sec 326256.0

GPSVEC TP Point ID 3871 DX 9658.688 DY 3603.964
Class Normal DZ 10587.736 Code CNC
Mthd Phase Diff. H.pr 0.026 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326272.0 End wk 1073 sec 326274.0

GPSVEC TP Point ID 3872 DX 9668.687 DY 3591.322
Class Normal DZ 10575.371 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.044

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326292.0 End wk 1073 sec 326296.0

GPSVEC TP Point ID 3873 DX 9678.122 DY 3578.776
Class Normal DZ 10563.289 Code CNC
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326312.0 End wk 1073 sec 326314.0

GPSVEC TP Point ID 3874 DX 9687.345 DY 3565.917
Class Normal DZ 10550.740 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326330.0 End wk 1073 sec 326332.0

GPSVEC TP Point ID 3875 DX 9695.103 DY 3555.675
Class Normal DZ 10541.085 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326346.0 End wk 1073 sec 326348.0

GPSVEC TP Point ID 3876 DX 9699.232 DY 3550.275
Class Normal DZ 10535.908 Code CNC
Mthd Phase Diff. H.pr 0.016 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 9 HDOP max 0.4
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326363.0 End wk 1073 sec 326371.0

NOTE TS Time Date 08/02/2000 Time 18:40:42

GPSVEC TP Point ID 3877 DX 9699.864 DY 3548.438
Class Normal DZ 10534.803 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.013 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326417.0 End wk 1073 sec 326454.0

GPSVEC TP Point ID 321 DX 9700.601 DY 3542.695
Class Normal DZ 10534.177 Code SG 25+00S
Mthd Phase Diff. H.pr 0.025 V.pr 0.048

GPSQC1 NM Min SVs 8 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326484.0 End wk 1073 sec 326486.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 326491.0
Init counter 20 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 326523.0
Init counter 21 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 322 DX 9700.601 DY 3542.718
Class Normal DZ 10534.135 Code SG 25+00S
Mthd Phase Diff. H.pr 0.020 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326537.0 End wk 1073 sec 326540.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 326560.0
Init counter 21 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 326596.0
Init counter 22 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 323 DX 9700.603 DY 3542.744
Class Normal DZ 10534.150 Code SG 25+00S
Mthd Phase Diff. H.pr 0.023 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 326603.0 End wk 1073 sec 326607.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 326631.0
Init counter 22 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 327108.0
Init counter 23 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 324 DX 10231.574 DY 3542.998
Class Normal DZ 10840.173 Code SG 31+00S
Mthd Phase Diff. H.pr 0.029 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 327319.0 End wk 1073 sec 327325.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 327333.0
Init counter 23 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     327355.0
       Init counter  24               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 325       DX  10231.579       DY  3543.030
       Class Normal        DZ  10840.228       Code SG 31+00S
       Mthd Phase Diff.    H.pr 0.030          V.pr 0.051

GPSQC1  NM  Min SVs      8              PDOP max  1.0
       Total GPS pos  5              HDOP max  0.5
       Monitor status Yes            VDOP max  0.9
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 327375.0       End wk 1073   sec 327379.0

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     327449.0
       Init counter  24               Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

NOTE   TS  Time Date 08/02/2000 Time 19:22:56

EQUIP   NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/02/2000 Time 19:23:11

GPSANT  KI  Antenna ht 5.089            Measuremt True

GPSREF  KI  Reference BAS3

INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     329038.0
       Init counter  1                Point ID    <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>
```

```
EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna  4800 Internal
       Method   Measured to bottom of antenna mount
       Tape adj  0.000                Serial no <no text>
       Radius   0.000                V.Const  0.511

GPSANT  KI  Antenna ht 5.906                Measuremt Uncorrected

INIT   KI  Init event   Lost              Week        1073
       Init type    On the fly          seconds      329080.0
       Init counter  1                 Point ID     <no text>
       Survey type   Real Time            Plate H. Dist <null>
       Plate V. Dist <null>             Plate azimuth <null>

INIT   KI  Init event   Gained            Week        1073
       Init type    On the fly          seconds      329248.0
       Init counter  2                 Point ID     <no text>
       Survey type   Real Time            Plate H. Dist <null>
       Plate V. Dist <null>             Plate azimuth <null>

SURVEY EVENTKISurvey event Error while setting receiver mode

GPSVEC  TP  Point ID 326        DX  10088.702        DY  3785.838
       Class Normal        DZ  11101.146        Code SG 31+50N
       Mthd Phase Diff.    H.pr 0.025           V.pr 0.043

GPSQC1  NM  Min SVs       8              PDOP max  0.8
       Total GPS pos  8               HDOP max  0.4
       Monitor status Yes             VDOP max  0.7
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1073 sec 329278.0       End wk 1073   sec 329286.0

INIT   KI  Init event   Lost              Week        1073
       Init type    On the fly          seconds      329293.0
       Init counter  2                 Point ID     <no text>
       Survey type   Real Time            Plate H. Dist <null>
       Plate V. Dist <null>             Plate azimuth <null>

INIT   KI  Init event   Gained            Week        1073
       Init type    On the fly          seconds      329316.0
       Init counter  3                 Point ID     <no text>
       Survey type   Real Time            Plate H. Dist <null>
       Plate V. Dist <null>             Plate azimuth <null>
```

GPSVEC TP Point ID 327 DX 10088.650 DY 3785.876
Class Normal DZ 11101.158 Code SG 31+50N
Mthd Phase Diff. H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329325.0 End wk 1073 sec 329328.0

NOTE KI LINE. Name: 32, Code: , Method: Two points, Start pt: 324,

NOTE KI End pt: 326, Azimuth: 324.469°, Length: 383.983ft,

NOTE KI Grade: 0.352°

GPSVEC TP Point ID 3878 DX 10091.239 DY 3786.309
Class Normal DZ 11096.378 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.021 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.4
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329411.0 End wk 1073 sec 329414.0

GPSVEC TP Point ID 3879 DX 10096.207 DY 3779.870
Class Normal DZ 11087.979 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329436.0 End wk 1073 sec 329439.0

GPSVEC TP Point ID 3880 DX 10102.313 DY 3771.021
Class Normal DZ 11076.203 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329455.0 End wk 1073 sec 329458.0

GPSVEC TP Point ID 3881 DX 10109.046 DY 3759.855
Class Normal DZ 11064.131 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329478.0 End wk 1073 sec 329495.0

GPSVEC TP Point ID 3882 DX 10114.449 DY 3750.447
Class Normal DZ 11053.686 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.053

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329512.0 End wk 1073 sec 329514.0

GPSVEC TP Point ID 3883 DX 10117.967 DY 3745.643
Class Normal DZ 11047.804 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.037

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329527.0 End wk 1073 sec 329530.0

GPSVEC TP Point ID 3884 DX 10121.863 DY 3739.130
Class Normal DZ 11040.720 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329548.0 End wk 1073 sec 329550.0

GPSVEC TP Point ID 3885 DX 10125.270 DY 3733.807
Class Normal DZ 11034.854 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329566.0 End wk 1073 sec 329568.0

GPSVEC TP Point ID 3886 DX 10126.625 DY 3729.937
Class Normal DZ 11031.969 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329581.0 End wk 1073 sec 329584.0

GPSVEC TP Point ID 3887 DX 10130.237 DY 3722.448
Class Normal DZ 11025.316 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329605.0 End wk 1073 sec 329607.0

GPSVEC TP Point ID 3888 DX 10134.259 DY 3714.602
Class Normal DZ 11018.122 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329622.0 End wk 1073 sec 329626.0

GPSVEC TP Point ID 3889 DX 10137.938 DY 3708.109
Class Normal DZ 11011.558 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329643.0 End wk 1073 sec 329645.0

GPSVEC TP Point ID 3890 DX 10141.149 DY 3702.925
Class Normal DZ 11005.425 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329664.0 End wk 1073 sec 329667.0

GPSVEC TP Point ID 3891 DX 10145.746 DY 3694.715
Class Normal DZ 10997.449 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329684.0 End wk 1073 sec 329687.0

GPSVEC TP Point ID 3892 DX 10146.907 DY 3692.211
Class Normal DZ 10994.290 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.049

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329700.0 End wk 1073 sec 329703.0

GPSVEC TP Point ID 3893 DX 10148.883 DY 3688.290
Class Normal DZ 10991.097 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329717.0 End wk 1073 sec 329720.0

GPSVEC TP Point ID 3894 DX 10152.256 DY 3682.356
Class Normal DZ 10985.443 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329755.0 End wk 1073 sec 329757.0

GPSVEC TP Point ID 3895 DX 10154.089 DY 3680.630
Class Normal DZ 10982.169 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329769.0 End wk 1073 sec 329773.0

GPSVEC TP Point ID 3896 DX 10158.378 DY 3674.704
Class Normal DZ 10973.625 Code GRD
Mthd Phase Diff. H.pr 0.041 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 0.7
Total GPS pos 13 HDOP max 0.4
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329794.0 End wk 1073 sec 329807.0

GPSVEC TP Point ID 3897 DX 10160.753 DY 3671.324
Class Normal DZ 10969.073 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.051

GPSQC1 NM Min SVs 8 PDOP max 0.6
Total GPS pos 14 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329822.0 End wk 1073 sec 329835.0

GPSVEC TP Point ID 3898 DX 10164.470 DY 3664.474
Class Normal DZ 10962.811 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329863.0 End wk 1073 sec 329866.0

GPSVEC TP Point ID 3899 DX 10168.689 DY 3658.923
Class Normal DZ 10955.772 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.054

GPSQC1 NM Min SVs 8 PDOP max 0.8
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329904.0 End wk 1073 sec 329913.0

GPSVEC TP Point ID 3900 DX 10171.661 DY 3653.766
Class Normal DZ 10949.509 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 5 HDOP max 0.8
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329932.0 End wk 1073 sec 329937.0

GPSVEC TP Point ID 3901 DX 10174.496 DY 3650.043
Class Normal DZ 10946.530 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 329968.0 End wk 1073 sec 329974.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 329981.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 330386.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 3902 DX 10231.395 DY 3548.963
Class Normal DZ 10840.805 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.042 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330437.0 End wk 1073 sec 330439.0

GPSVEC TP Point ID 3903 DX 10226.046 DY 3558.372
Class Normal DZ 10850.730 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.046

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330474.0 End wk 1073 sec 330479.0

GPSVEC TP Point ID 3904 DX 10221.147 DY 3567.328
Class Normal DZ 10859.419 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.041

GPSQC1 NM Min SVs 8 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330498.0 End wk 1073 sec 330500.0

GPSVEC TP Point ID 3905 DX 10218.076 DY 3571.067
Class Normal DZ 10865.146 Code GRD
Mthd Phase Diff. H.pr 0.045 V.pr 0.064

GPSQC1 NM Min SVs 7 PDOP max 0.6
Total GPS pos 9 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330549.0 End wk 1073 sec 330562.0

GPSVEC TP Point ID 3906 DX 10214.364 DY 3576.696
Class Normal DZ 10871.904 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330580.0 End wk 1073 sec 330583.0

GPSVEC TP Point ID 3907 DX 10212.490 DY 3580.208
Class Normal DZ 10875.092 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 0.8
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330598.0 End wk 1073 sec 330602.0

GPSVEC TP Point ID 3908 DX 10211.256 DY 3583.961
Class Normal DZ 10877.686 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.050

GPSQC1 NM Min SVs 8 PDOP max 1.0
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330632.0 End wk 1073 sec 330634.0

GPSVEC TP Point ID 3909 DX 10207.727 DY 3588.993
Class Normal DZ 10884.264 Code GRD
Mthd Phase Diff. H.pr 0.038 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 330660.0 End wk 1073 sec 330664.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 330690.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 330719.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 3910 DX 10205.631 DY 3598.254
Class Normal DZ 10894.626 Code GRD
Mthd Phase Diff. H.pr 0.037 V.pr 0.049

```
GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.8
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 330730.0       End wk 1073   sec 330733.0

GPSVEC  TP  Point ID 3911       DX   10202.281       DY   3604.927
        Class Normal        DZ   10901.054       Code GRD
        Mthd Phase Diff.    H.pr 0.040           V.pr 0.048

GPSQC1  NM  Min SVs      6              PDOP max  0.7
        Total GPS pos  11             HDOP max  0.4
        Monitor status Yes            VDOP max  0.5
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 330764.0       End wk 1073   sec 330775.0

NOTE    TS  Time Date 08/02/2000 Time 19:53:58

GPSVEC  TP  Point ID 3912       DX   10199.739       DY   3610.415
        Class Normal        DZ   10905.621       Code GRD
        Mthd Phase Diff.    H.pr 0.034           V.pr 0.044

GPSQC1  NM  Min SVs      7              PDOP max  0.9
        Total GPS pos  5              HDOP max  0.5
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 330847.0       End wk 1073   sec 330851.0

INIT    KI  Init event    Lost            Week        1073
        Init type     On the fly       seconds      330857.0
        Init counter  5               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT    KI  Init event    Gained          Week        1073
        Init type     On the fly       seconds      331834.0
        Init counter  6               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

NOTE    KI  LINE. Name: 33, Code: , Method: Two points, Start pt: 226,

NOTE    KI  End pt: 220, Azimuth: 140.891°, Length: 305.418ft,

NOTE    KI  Grade: 0.082°
```

NOTE KI LINE. Name: 34, Code: , Method: Two points, Start pt: 228,

NOTE KI End pt: 222, Azimuth: 141.169°, Length: 314.030ft,

NOTE KI Grade: 0.113°

GPSVEC TP Point ID 328 DX 7983.605 DY 3267.940
Class Normal DZ 9139.105 Code SG 451+54E
Mthd Phase Diff. H.pr 0.044 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 332203.0 End wk 1073 sec 332205.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 332215.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 332253.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 329 DX 7983.521 DY 3268.047
Class Normal DZ 9139.231 Code SG 451+54E
Mthd Phase Diff. H.pr 0.042 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 332284.0 End wk 1073 sec 332286.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 332305.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

```
INIT   KI  Init event   Gained          Week        1073
       Init type    On the fly        seconds     332335.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 330       DX  7983.542        DY  3268.067
       Class Normal        DZ  9139.235        Code SG 451+54E
       Mthd Phase Diff.    H.pr 0.044          V.pr 0.041

GPSQC1  NM  Min SVs      6              PDOP max  1.4
       Total GPS pos  3              HDOP max  1.0
       Monitor status Yes            VDOP max  1.0
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 332361.0       End wk 1073   sec 332363.0

GPSVEC  TP  Point ID 3913      DX  7939.172        DY  3273.851
       Class Normal        DZ  9114.730        Code TOE LEVEE
       Mthd Phase Diff.    H.pr 0.045          V.pr 0.054

GPSQC1  NM  Min SVs      8              PDOP max  0.5
       Total GPS pos  3              HDOP max  0.3
       Monitor status Yes            VDOP max  0.4
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 332562.0       End wk 1073   sec 332570.0

GPSVEC  TP  Point ID 3914      DX  7935.953        DY  3280.821
       Class Normal        DZ  9120.095        Code GRD
       Mthd Phase Diff.    H.pr 0.037          V.pr 0.044

GPSQC1  NM  Min SVs      8              PDOP max  0.9
       Total GPS pos  3              HDOP max  0.6
       Monitor status Yes            VDOP max  0.7
       Horizontal SD  0.000           Vert SD   0.000
       Start wk 1073 sec 332589.0       End wk 1073   sec 332591.0

NOTE   TS  Time Date 08/02/2000 Time 20:26:09

INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     332781.0
       Init counter  8               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

RVEY  KI  Elev mask 10                 PDOP mask 6.0
```

```
EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE   TS  Time Date 08/03/2000 Time 14:49:24

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.069              Measuremt Uncorrected

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.069              Measuremt Uncorrected

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.069              Measuremt Uncorrected

GPSREF  KI  Reference BAS3

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

TE   TS  Time Date 08/03/2000 Time 14:50:06
```

```
SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000                 Serial no <no text>
        Radius    0.000                 V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 08/03/2000 Time 14:50:43

GPSANT  KI  Antenna ht 5.161            Measuremt True

GPSREF  KI  Reference BAS3

INIT    KI  Init event    Gained        Week        1073
        Init type     On the fly        seconds     399089.0
        Init counter  1                 Point ID    <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>

SURVEY  KI  Elev mask 10                PDOP mask 6.0

EQUIP   NM  Receiver  4800              Serial no 20152374
        Antenna   4800 Internal
        Method    Measured to bottom of antenna mount
        Tape adj  0.000                 Serial no <no text>
        Radius    0.000                 V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE    TS  Time Date 08/03/2000 Time 14:52:05

GPSANT  KI  Antenna ht 5.161            Measuremt True

GPSREF  KI  Reference BAS3

INIT    KI  Init event    Gained        Week        1073
        Init type     On the fly        seconds     399143.0
        Init counter  1                 Point ID    <no text>
        Survey type   Real Time         Plate H. Dist <null>
        Plate V. Dist <null>            Plate azimuth <null>
```

```
INIT   KI  Init event   Lost            Week        1073
       Init type    On the fly        seconds     399172.0
       Init counter  1               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

EQUIP  NM  Receiver  4800                Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000                 Serial no <no text>
       Radius    0.000                 V.Const   0.511

GPSANT  KI  Antenna ht 5.906              Measuremt Uncorrected

INIT   KI  Init event   Gained           Week        1073
       Init type    On the fly        seconds     400163.0
       Init counter  2               Point ID     <no text>
       Survey type   Real Time         Plate H. Dist <null>
       Plate V. Dist <null>           Plate azimuth <null>

GPSVEC  TP  Point ID 3915      DX   7934.775        DY   3282.849
       Class Normal        DZ   9121.884        Code GRD
       Mthd Phase Diff.    H.pr 0.029           V.pr 0.063

GPSQC1  NM  Min SVs       7              PDOP max  1.0
       Total GPS pos  10              HDOP max  0.4
       Monitor status Yes             VDOP max  0.9
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1073 sec 400388.0       End wk 1073   sec 400399.0

GPSVEC  TP  Point ID 3916      DX   7927.034        DY   3293.368
       Class Normal        DZ   9132.915        Code GRD
       Mthd Phase Diff.    H.pr 0.022           V.pr 0.046

GPSQC1  NM  Min SVs       7              PDOP max  1.1
       Total GPS pos  3               HDOP max  0.5
       Monitor status Yes             VDOP max  1.0
       Horizontal SD  0.000            Vert SD   0.000
       Start wk 1073 sec 400438.0       End wk 1073   sec 400496.0

GPSVEC  TP  Point ID 3917      DX   7924.834        DY   3296.934
       Class Normal        DZ   9136.755        Code GRD
       Mthd Phase Diff.    H.pr 0.026           V.pr 0.054
```

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400517.0 End wk 1073 sec 400521.0

GPSVEC TP Point ID 3918 DX 7917.596 DY 3309.466
Class Normal DZ 9148.768 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400545.0 End wk 1073 sec 400550.0

GPSVEC TP Point ID 3919 DX 7910.746 DY 3318.826
Class Normal DZ 9158.009 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400565.0 End wk 1073 sec 400571.0

GPSVEC TP Point ID 3920 DX 7904.416 DY 3328.835
Class Normal DZ 9168.077 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400583.0 End wk 1073 sec 400587.0

GPSVEC TP Point ID 3921 DX 7896.183 DY 3341.067
Class Normal DZ 9180.419 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 7 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400633.0 End wk 1073 sec 400642.0

GPSVEC TP Point ID 3922 DX 7891.223 DY 3347.746
Class Normal DZ 9187.199 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400663.0 End wk 1073 sec 400665.0

GPSVEC TP Point ID 3923 DX 7888.644 DY 3352.783
Class Normal DZ 9191.705 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.051

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400685.0 End wk 1073 sec 400689.0

GPSVEC TP Point ID 3924 DX 7880.800 DY 3364.034
Class Normal DZ 9203.301 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400704.0 End wk 1073 sec 400711.0

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GPSVEC TP Point ID 3925 DX 7875.153 DY 3373.509
Class Normal DZ 9213.165 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400725.0 End wk 1073 sec 400730.0

GPSVEC TP Point ID 3926 DX 7868.289 DY 3383.128
Class Normal DZ 9223.414 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.5
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400763.0 End wk 1073 sec 400765.0

GPSVEC TP Point ID 3927 DX 7864.158 DY 3388.522
Class Normal DZ 9228.428 Code GRD
Mthd Phase Diff. H.pr 0.018 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 7 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400790.0 End wk 1073 sec 400796.0

INIT KI Init event High RMS Week 1073
Init type On the fly seconds 400804.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Good RMS Week 1073
Init type On the fly seconds 400805.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 3928 DX 7857.395 DY 3399.498
Class Normal DZ 9239.991 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.055

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 8 HDOP max 0.4
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400904.0 End wk 1073 sec 400911.0

GPSVEC TP Point ID 3929 DX 7852.293 DY 3407.220
Class Normal DZ 9247.521 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400942.0 End wk 1073 sec 400945.0

GPSVEC TP Point ID 3930 DX 7846.939 DY 3415.263
Class Normal DZ 9255.115 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400976.0 End wk 1073 sec 400981.0

GPSVEC TP Point ID 3931 DX 7842.475 DY 3422.222
Class Normal DZ 9262.209 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 400990.0 End wk 1073 sec 400994.0

GPSVEC TP Point ID 3932 DX 7838.463 DY 3427.182
Class Normal DZ 9269.548 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.024 V.pr 0.053

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401073.0 End wk 1073 sec 401075.0

GPSVEC TP Point ID 331 DX 7874.101 DY 3432.636
Class Normal DZ 9305.156 Code SG 451+54W
Mthd Phase Diff. H.pr 0.017 V.pr 0.037

GPSQC1 NM Min SVs 6 PDOP max 1.6
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401186.0 End wk 1073 sec 401188.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 401193.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 401272.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 332 DX 7874.110 DY 3432.661
Class Normal DZ 9305.224 Code SG 451+54W
Mthd Phase Diff. H.pr 0.024 V.pr 0.051

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401280.0 End wk 1073 sec 401283.0

GPSVEC TP Point ID 3933 DX 7877.226 DY 3433.213
Class Normal DZ 9300.195 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.020 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401356.0 End wk 1073 sec 401360.0

GPSVEC TP Point ID 3934 DX 7880.436 DY 3428.704
Class Normal DZ 9295.045 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.053

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401377.0 End wk 1073 sec 401379.0

GPSVEC TP Point ID 3935 DX 7888.378 DY 3417.227
Class Normal DZ 9283.478 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.042

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401393.0 End wk 1073 sec 401395.0

GPSVEC TP Point ID 3936 DX 7896.419 DY 3404.690
Class Normal DZ 9271.085 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.048

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401411.0 End wk 1073 sec 401413.0

GPSVEC TP Point ID 3937 DX 7904.131 DY 3393.154
Class Normal DZ 9259.381 Code CNC
Mthd Phase Diff. H.pr 0.021 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401428.0 End wk 1073 sec 401430.0

GPSVEC TP Point ID 3938 DX 7912.068 DY 3381.243
Class Normal DZ 9247.277 Code CNC
Mthd Phase Diff. H.pr 0.022 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401446.0 End wk 1073 sec 401448.0

GPSVEC TP Point ID 3939 DX 7919.722 DY 3369.769
Class Normal DZ 9235.486 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401463.0 End wk 1073 sec 401465.0

GPSVEC TP Point ID 3940 DX 7927.807 DY 3358.103
Class Normal DZ 9223.467 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401478.0 End wk 1073 sec 401480.0

GPSVEC TP Point ID 3941 DX 7928.925 DY 3357.526
Class Normal DZ 9221.503 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401492.0 End wk 1073 sec 401494.0

GPSVEC TP Point ID 3942 DX 7932.127 DY 3352.555
Class Normal DZ 9216.539 Code CNC
Mthd Phase Diff. H.pr 0.022 V.pr 0.044

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401506.0 End wk 1073 sec 401508.0

GPSVEC TP Point ID 3943 DX 7932.564 DY 3351.596
Class Normal DZ 9215.827 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401516.0 End wk 1073 sec 401518.0

GPSVEC TP Point ID 3944 DX 7932.657 DY 3350.299
Class Normal DZ 9215.518 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.051

GPSQC1 NM Min SVs 6 PDOP max 1.5
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401527.0 End wk 1073 sec 401529.0

GPSVEC TP Point ID 3945 DX 7940.912 DY 3337.402
Class Normal DZ 9203.146 Code CNC
Mthd Phase Diff. H.pr 0.018 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401568.0 End wk 1073 sec 401571.0

GPSVEC TP Point ID 3946 DX 7949.391 DY 3324.717
Class Normal DZ 9190.454 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401586.0 End wk 1073 sec 401588.0

GPSVEC TP Point ID 3947 DX 7957.570 DY 3312.338
Class Normal DZ 9177.914 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.054

GPSQC1 NM Min SVs 6 PDOP max 0.6
Total GPS pos 18 HDOP max 0.3
Monitor status Yes VDOP max 0.5
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401612.0 End wk 1073 sec 401648.0

GPSVEC TP Point ID 3948 DX 7966.475 DY 3299.283
Class Normal DZ 9164.407 Code CNC
Mthd Phase Diff. H.pr 0.023 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.3
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401670.0 End wk 1073 sec 401673.0

GPSVEC TP Point ID 3949 DX 7975.563 DY 3285.862
Class Normal DZ 9150.772 Code CNC
Mthd Phase Diff. H.pr 0.025 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401686.0 End wk 1073 sec 401688.0

GPSVEC TP Point ID 3950 DX 7980.582 DY 3277.974
Class Normal DZ 9142.661 Code CNC
Mthd Phase Diff. H.pr 0.026 V.pr 0.051

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401704.0 End wk 1073 sec 401706.0

GPSVEC TP Point ID 3951 DX 7983.230 DY 3274.675
Class Normal DZ 9139.403 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.040 V.pr 0.052

GPSQC1 NM Min SVs 5 PDOP max 0.8
Total GPS pos 13 HDOP max 0.5
Monitor status Yes VDOP max 0.6
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401741.0 End wk 1073 sec 401758.0

GPSVEC TP Point ID 3952 DX 8107.766 DY 3257.179
Class Normal DZ 9204.603 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.052

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401826.0 End wk 1073 sec 401828.0

GPSVEC TP Point ID 3953 DX 8099.085 DY 3270.500
Class Normal DZ 9217.607 Code CNC
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

GPSQC1 NM Min SVs 6 PDOP max 1.4
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401844.0 End wk 1073 sec 401846.0

GPSVEC TP Point ID 3954 DX 8090.942 DY 3282.832
Class Normal DZ 9230.067 Code CNC
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401859.0 End wk 1073 sec 401862.0

GPSVEC TP Point ID 3955 DX 8084.032 DY 3293.451
Class Normal DZ 9241.084 Code CNC
Mthd Phase Diff. H.pr 0.018 V.pr 0.033

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401881.0 End wk 1073 sec 401883.0

GPSVEC TP Point ID 3956 DX 8075.365 DY 3306.175
Class Normal DZ 9254.047 Code CNC
Mthd Phase Diff. H.pr 0.021 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401895.0 End wk 1073 sec 401897.0

GPSVEC TP Point ID 3957 DX 8066.885 DY 3319.279
Class Normal DZ 9267.535 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401914.0 End wk 1073 sec 401916.0

GPSVEC TP Point ID 3958 DX 8058.702 DY 3331.632
Class Normal DZ 9279.978 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401930.0 End wk 1073 sec 401933.0

GPSVEC TP Point ID 3959 DX 8050.421 DY 3344.201
Class Normal DZ 9292.710 Code CNC
Mthd Phase Diff. H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401946.0 End wk 1073 sec 401949.0

GPSVEC TP Point ID 3960 DX 8042.278 DY 3356.634
Class Normal DZ 9305.478 Code CNC
Mthd Phase Diff. H.pr 0.022 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401960.0 End wk 1073 sec 401962.0

GPSVEC TP Point ID 3961 DX 8033.810 DY 3369.263
Class Normal DZ 9318.319 Code CNC
Mthd Phase Diff. H.pr 0.027 V.pr 0.049

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 401976.0 End wk 1073 sec 401978.0

GPSVEC TP Point ID 3962 DX 8025.107 DY 3382.514
Class Normal DZ 9331.908 Code CNC
Mthd Phase Diff. H.pr 0.019 V.pr 0.035

```
GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.2
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 401995.0      End wk 1073   sec 401997.0

GPSVEC  TP  Point ID 3963      DX   8016.918        DY   3394.975
        Class Normal        DZ   9344.570        Code CNC
        Mthd Phase Diff.    H.pr 0.024           V.pr 0.044

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 402014.0      End wk 1073   sec 402016.0

GPSVEC  TP  Point ID 3964      DX   8008.502        DY   3407.823
        Class Normal        DZ   9357.606        Code CNC
        Mthd Phase Diff.    H.pr 0.020           V.pr 0.036

GPSQC1  NM  Min SVs      6            PDOP max  1.2
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 402032.0      End wk 1073   sec 402035.0

GPSVEC  TP  Point ID 3965      DX   8000.102        DY   3420.491
        Class Normal        DZ   9370.445        Code CNC
        Mthd Phase Diff.    H.pr 0.027           V.pr 0.048

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 402056.0      End wk 1073   sec 402058.0

GPSVEC  TP  Point ID 3966      DX   7993.024        DY   3431.374
        Class Normal        DZ   9381.290        Code CNC
        Mthd Phase Diff.    H.pr 0.025           V.pr 0.045

GPSQC1  NM  Min SVs      6            PDOP max  1.3
        Total GPS pos  3            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 402070.0      End wk 1073   sec 402072.0
```

GPSVEC TP Point ID 3967 DX 7990.534 DY 3434.960
Class Normal DZ 9385.096 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.025 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 402090.0 End wk 1073 sec 402092.0

GPSVEC TP Point ID 333 DX 7986.951 DY 3434.187
Class Normal DZ 9390.613 Code SG 452+60W
Mthd Phase Diff. H.pr 0.022 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 402148.0 End wk 1073 sec 402150.0

INIT KI Init event Lost(RMS) Week 1073
Init type On the fly seconds 402157.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 402223.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 334 DX 7986.996 DY 3434.106
Class Normal DZ 9390.515 Code SG 452+60W
Mthd Phase Diff. H.pr 0.023 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 402232.0 End wk 1073 sec 402234.0

```
INIT   KI  Init event   Lost          Week        1073
        Init type    On the fly      seconds     402248.0
        Init counter  4              Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>

INIT   KI  Init event   Gained        Week        1073
        Init type    On the fly      seconds     402324.0
        Init counter  5              Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 335       DX  7986.880       DY  3434.145
        Class Normal        DZ  9390.526       Code SG 452+60W
        Mthd Phase Diff.    H.pr 0.024         V.pr 0.039

GPSQC1  NM  Min SVs       6            PDOP max  1.1
        Total GPS pos  4             HDOP max  0.6
        Monitor status Yes           VDOP max  0.9
        Horizontal SD  0.000          Vert SD   0.000
        Start wk 1073 sec 402335.0       End wk 1073   sec 402338.0

T      KI  Init event   Lost          Week        1073
        Init type    On the fly      seconds     402410.0
        Init counter  5              Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>

NOTE   TS  Time Date 08/03/2000 Time 15:59:20

INIT   KI  Init event   Gained        Week        1073
        Init type    On the fly      seconds     403172.0
        Init counter  6              Point ID    <no text>
        Survey type   Real Time        Plate H. Dist <null>
        Plate V. Dist <null>          Plate azimuth <null>

GPSVEC  TP  Point ID 336       DX  8108.193       DY  3250.796
        Class Normal        DZ  9204.665       Code SG 452+60E
        Mthd Phase Diff.    H.pr 0.024         V.pr 0.035

GPSQC1  NM  Min SVs       7            PDOP max  0.9
        Total GPS pos  3             HDOP max  0.5
        Monitor status Yes           VDOP max  0.7
        Horizontal SD  0.000          Vert SD   0.000
        Start wk 1073 sec 403190.0       End wk 1073   sec 403192.0
```

INIT KI Init event Lost Week 1073
Init type On the fly seconds 403198.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 403250.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 337 DX 8108.243 DY 3250.795
Class Normal DZ 9204.706 Code SG 452+60E
Mthd Phase Diff. H.pr 0.027 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 403259.0 End wk 1073 sec 403261.0

T KI Init event Lost Week 1073
Init type On the fly seconds 403291.0
Init counter 7 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 403465.0
Init counter 8 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 338 DX 8282.278 DY 3736.896
Class Normal DZ 9985.382 Code SG 460+00W
Mthd Phase Diff. H.pr 0.039 V.pr 0.047

GPSQC1 NM Min SVs 6 PDOP max 0.9
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 403602.0 End wk 1073 sec 403604.0

```
INIT   KI  Init event    Lost            Week        1073
        Init type     On the fly       seconds      403610.0
        Init counter  8               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1073
        Init type     On the fly       seconds      403658.0
        Init counter  9               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Lost(RMS)       Week        1073
        Init type     On the fly       seconds      403741.0
        Init counter  9               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Gained          Week        1073
        Init type     On the fly       seconds      404036.0
        Init counter  10              Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

INIT   KI  Init event    Lost            Week        1073
        Init type     On the fly       seconds      404051.0
        Init counter  10              Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>

EQUIP  BA  Receiver  4800                Serial no 20141803
        Antenna   4800 Internal
        Method    Reading from hook using 4800 tape
        Tape adj  0.000                Serial no <no text>
        Radius    0.358                V.Const   0.104

SURVEY EVENTKISurvey event Base survey started

NOTE   TS  Time Date 08/03/2000 Time 16:42:18

NOTE   TS  Time Date 08/03/2000 Time 16:42:18
```

```
EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.210              Measuremt Uncorrected

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.210              Measuremt Uncorrected

EQUIP  BA  Receiver  4800              Serial no 20141803
       Antenna   4800 Internal
       Method    Reading from hook using 4800 tape
       Tape adj  0.000              Serial no <no text>
       Radius    0.358              V.Const   0.104

GPSANT  KI  Antenna ht 5.210              Measuremt Uncorrected

GPSREF  KI  Reference 220

SURVEY  KI  Elev mask 10              PDOP mask 6.0

EQUIP  NM  Receiver  4800              Serial no 20152374
       Antenna   4800 Internal
       Method    Measured to bottom of antenna mount
       Tape adj  0.000              Serial no <no text>
       Radius    0.000              V.Const   0.511

SURVEY EVENTKISurvey event Rover survey started

NOTE   TS  Time Date 08/03/2000 Time 16:43:10

GPSANT  KI  Antenna ht 5.302              Measuremt True

GPSREF  KI  Reference 220
```

INIT KI Init event Gained Week 1073
Init type On the fly seconds 405829.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

EQUIP NM Receiver 4800 Serial no 20152374
Antenna 4800 Internal
Method Measured to bottom of antenna mount
Tape adj 0.000 Serial no <no text>
Radius 0.000 V.Const 0.511

GPSANT KI Antenna ht 5.906 Measuremt Uncorrected

INIT KI Init event Lost Week 1073
Init type On the fly seconds 405851.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 406105.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 339 DX 295.084 DY 499.484
Class Normal DZ 850.510 Code SG 460+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.032

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406166.0 End wk 1073 sec 406168.0

NOTE KI Computed inverse, Start pt: 337, End pt: 338,

NOTE KI Azimuth: 358.777°, H Dist: 935.834ft, V Dist: 2.685ft,

NOTE KI S Dist: 935.838ft

NOTE KI LINE. Name: 35, Code: , Method: Two points, Start pt: 338,

NOTE KI End pt: 230, Azimuth: 271.134°, Length: 16.136ft,

NOTE KI Grade: 30.629°

GPSVEC TP Point ID 3968 DX 301.744 DY 500.373
Class Normal DZ 848.447 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.034 V.pr 0.051

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406230.0 End wk 1073 sec 406233.0

GPSVEC TP Point ID 3969 DX 318.088 DY 493.084
Class Normal DZ 848.437 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406262.0 End wk 1073 sec 406265.0

GPSVEC TP Point ID 3970 DX 337.117 DY 485.235
Class Normal DZ 848.080 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.038

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406283.0 End wk 1073 sec 406285.0

GPSVEC TP Point ID 3971 DX 349.509 DY 480.006
Class Normal DZ 847.673 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406296.0 End wk 1073 sec 406298.0

GPSVEC TP Point ID 3972 DX 355.871 DY 477.663
Class Normal DZ 847.091 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.045

```
GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406311.0       End wk 1073   sec 406314.0

GPSVEC  TP  Point ID 3973       DX   368.681        DY   472.520
        Class Normal        DZ   847.198        Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.035

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406327.0       End wk 1073   sec 406329.0

GPSVEC  TP  Point ID 3974       DX   381.812        DY   467.570
        Class Normal        DZ   846.523        Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.035

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406347.0       End wk 1073   sec 406349.0

GPSVEC  TP  Point ID 3975       DX   388.085        DY   464.852
        Class Normal        DZ   845.936        Code GRD
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.038

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406362.0       End wk 1073   sec 406365.0

GPSVEC  TP  Point ID 3976       DX   397.992        DY   460.908
        Class Normal        DZ   846.216        Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.034

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406379.0       End wk 1073   sec 406381.0
```

GPSVEC TP Point ID 3977 DX 403.872 DY 458.724
Class Normal DZ 846.124 Code GRD
Mthd Phase Diff. H.pr 0.034 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406393.0 End wk 1073 sec 406396.0

GPSVEC TP Point ID 3978 DX 414.693 DY 453.751
Class Normal DZ 846.082 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406414.0 End wk 1073 sec 406416.0

GPSVEC TP Point ID 3979 DX 430.402 DY 446.914
Class Normal DZ 845.949 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406428.0 End wk 1073 sec 406430.0

GPSVEC TP Point ID 3980 DX 445.846 DY 440.405
Class Normal DZ 845.741 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.035

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406446.0 End wk 1073 sec 406448.0

GPSVEC TP Point ID 3981 DX 462.127 DY 433.566
Class Normal DZ 845.543 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.039

```
GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406466.0      End wk 1073   sec 406468.0

GPSVEC  TP  Point ID 3982      DX   481.065        DY   425.567
        Class Normal        DZ   845.463        Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.049

GPSQC1  NM  Min SVs      5              PDOP max  1.4
        Total GPS pos  4              HDOP max  0.8
        Monitor status Yes            VDOP max  1.2
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406492.0      End wk 1073   sec 406495.0

GPSVEC  TP  Point ID 3983      DX   499.270        DY   418.064
        Class Normal        DZ   844.944        Code GRD
        Mthd Phase Diff.    H.pr 0.034          V.pr 0.053

GPSQC1  NM  Min SVs      5              PDOP max  1.6
        Total GPS pos  3              HDOP max  0.9
        Monitor status Yes            VDOP max  1.3
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406512.0      End wk 1073   sec 406514.0

GPSVEC  TP  Point ID 3984      DX   519.065        DY   410.029
        Class Normal        DZ   844.503        Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.036

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406537.0      End wk 1073   sec 406540.0

GPSVEC  TP  Point ID 3985      DX   534.510        DY   403.536
        Class Normal        DZ   844.465        Code GRD
        Mthd Phase Diff.    H.pr 0.026          V.pr 0.038

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.7
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 406557.0      End wk 1073   sec 406560.0
```

GPSVEC TP Point ID 3986 DX 546.119 DY 398.686
Class Normal DZ 843.977 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.035

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406579.0 End wk 1073 sec 406582.0

GPSVEC TP Point ID 3987 DX 554.776 DY 395.851
Class Normal DZ 843.712 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.043

GPSQC1 NM Min SVs 5 PDOP max 1.4
Total GPS pos 4 HDOP max 0.8
Monitor status Yes VDOP max 1.2
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406596.0 End wk 1073 sec 406599.0

GPSVEC TP Point ID 3988 DX 563.671 DY 391.799
Class Normal DZ 843.300 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.045

GPSQC1 NM Min SVs 5 PDOP max 1.3
Total GPS pos 5 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406615.0 End wk 1073 sec 406619.0

GPSVEC TP Point ID 3989 DX 568.126 DY 389.724
Class Normal DZ 843.508 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.040

GPSQC1 NM Min SVs 5 PDOP max 1.6
Total GPS pos 3 HDOP max 0.9
Monitor status Yes VDOP max 1.4
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406637.0 End wk 1073 sec 406639.0

GPSVEC TP Point ID 3990 DX 573.878 DY 387.923
Class Normal DZ 843.378 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.035

GPSQC1 NM Min SVs 5 PDOP max 1.2
Total GPS pos 6 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 406654.0 End wk 1073 sec 406659.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 406665.0
Init counter 2 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 407124.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 340 DX 511.170 DY 1008.428
Class Normal DZ 1693.109 Code SG 470+00W
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 5 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407167.0 End wk 1073 sec 407171.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 407177.0
Init counter 3 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 407202.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 341 DX 511.136 DY 1008.432
Class Normal DZ 1693.105 Code SG 470+00W
Mthd Phase Diff. H.pr 0.026 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.7
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407208.0 End wk 1073 sec 407211.0

NOTE KI LINE. Name: 36, Code: , Method: Two points, Start pt: 340,

NOTE KI End pt: 232, Azimuth: 271.737°, Length: 8.372ft,

NOTE KI Grade: 29.582°

GPSVEC TP Point ID 3991 DX 517.115 DY 1009.460
Class Normal DZ 1690.772 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.027 V.pr 0.041

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407264.0 End wk 1073 sec 407266.0

SVEC TP Point ID 3992 DX 522.923 DY 1007.271
Class Normal DZ 1690.446 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.040

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407283.0 End wk 1073 sec 407285.0

GPSVEC TP Point ID 3993 DX 536.037 DY 1001.766
Class Normal DZ 1690.027 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407297.0 End wk 1073 sec 407299.0

GPSVEC TP Point ID 3994 DX 553.131 DY 994.848
Class Normal DZ 1689.271 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.035

```
GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407320.0      End wk 1073   sec 407322.0

GPSVEC  TP  Point ID 3995      DX   568.565        DY   988.145
        Class Normal        DZ   1689.101        Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.035

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407342.0      End wk 1073   sec 407345.0

GPSVEC  TP  Point ID 3996      DX   576.823        DY   984.675
        Class Normal        DZ   1688.984        Code GRD
        Mthd Phase Diff.    H.pr 0.035          V.pr 0.053

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407358.0      End wk 1073   sec 407360.0

GPSVEC  TP  Point ID 3997      DX   589.201        DY   979.896
        Class Normal        DZ   1688.243        Code GRD
        Mthd Phase Diff.    H.pr 0.031          V.pr 0.047

GPSQC1  NM  Min SVs      6              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407376.0      End wk 1073   sec 407378.0

GPSVEC  TP  Point ID 3998      DX   595.994        DY   977.615
        Class Normal        DZ   1687.671        Code GRD
        Mthd Phase Diff.    H.pr 0.025          V.pr 0.039

GPSQC1  NM  Min SVs      6              PDOP max  1.3
        Total GPS pos  3              HDOP max  0.7
        Monitor status Yes            VDOP max  1.1
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407391.0      End wk 1073   sec 407393.0
```

GPSVEC TP Point ID 3999 DX 605.331 DY 974.036
Class Normal DZ 1687.236 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.045

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407407.0 End wk 1073 sec 407409.0

GPSVEC TP Point ID 4000 DX 609.447 DY 972.800
Class Normal DZ 1687.174 Code GRD
Mthd Phase Diff. H.pr 0.033 V.pr 0.050

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407424.0 End wk 1073 sec 407426.0

GPSVEC TP Point ID 4001 DX 613.000 DY 971.418
Class Normal DZ 1686.626 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.7
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407445.0 End wk 1073 sec 407448.0

GPSVEC TP Point ID 4002 DX 615.986 DY 969.766
Class Normal DZ 1686.808 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.2
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407466.0 End wk 1073 sec 407469.0

GPSVEC TP Point ID 4003 DX 626.679 DY 965.911
Class Normal DZ 1686.597 Code GRD
Mthd Phase Diff. H.pr 0.025 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407483.0 End wk 1073 sec 407485.0

GPSVEC TP Point ID 4004 DX 631.933 DY 963.032
Class Normal DZ 1686.599 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407495.0 End wk 1073 sec 407497.0

GPSVEC TP Point ID 4005 DX 639.248 DY 957.207
Class Normal DZ 1687.892 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.047

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407531.0 End wk 1073 sec 407533.0

NOTE TS Time Date 08/03/2000 Time 17:12:20

GPSVEC TP Point ID 4006 DX 654.037 DY 950.917
Class Normal DZ 1687.427 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.034

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 5 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407548.0 End wk 1073 sec 407553.0

GPSVEC TP Point ID 4007 DX 662.996 DY 946.517
Class Normal DZ 1687.828 Code GRD
Mthd Phase Diff. H.pr 0.035 V.pr 0.054

```
GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  4              HDOP max  0.6
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407563.0      End wk 1073   sec 407566.0

GPSVEC  TP  Point ID 4008      DX   672.687        DY   941.552
        Class Normal        DZ   1687.943        Code GRD
        Mthd Phase Diff.    H.pr 0.034          V.pr 0.053

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407586.0      End wk 1073   sec 407588.0

GPSVEC  TP  Point ID 4009      DX   689.521        DY   934.135
        Class Normal        DZ   1687.736        Code GRD
        Mthd Phase Diff.    H.pr 0.033          V.pr 0.052

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407602.0      End wk 1073   sec 407604.0

GPSVEC  TP  Point ID 4010      DX   705.552        DY   926.995
        Class Normal        DZ   1687.664        Code GRD
        Mthd Phase Diff.    H.pr 0.029          V.pr 0.046

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407621.0      End wk 1073   sec 407623.0

GPSVEC  TP  Point ID 4011      DX   719.677        DY   920.762
        Class Normal        DZ   1687.501        Code GRD
        Mthd Phase Diff.    H.pr 0.021          V.pr 0.032

GPSQC1  NM  Min SVs      7              PDOP max  1.2
        Total GPS pos  3              HDOP max  0.6
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 407638.0      End wk 1073   sec 407640.0
```

GPSVEC TP Point ID 4012 DX 731.377 DY 915.120
Class Normal DZ 1687.180 Code GRD
Mthd Phase Diff. H.pr 0.027 V.pr 0.042

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 4 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407658.0 End wk 1073 sec 407661.0

GPSVEC TP Point ID 4013 DX 737.114 DY 912.478
Class Normal DZ 1687.330 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 6 HDOP max 0.5
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407672.0 End wk 1073 sec 407677.0

GPSVEC TP Point ID 4014 DX 747.230 DY 906.845
Class Normal DZ 1687.848 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407690.0 End wk 1073 sec 407692.0

GPSVEC TP Point ID 4015 DX 757.898 DY 900.540
Class Normal DZ 1688.543 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407707.0 End wk 1073 sec 407710.0

GPSVEC TP Point ID 4016 DX 766.865 DY 894.164
Class Normal DZ 1689.985 Code GRD
Mthd Phase Diff. H.pr 0.023 V.pr 0.036

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407731.0 End wk 1073 sec 407733.0

GPSVEC TP Point ID 4017 DX 775.903 DY 888.456
Class Normal DZ 1690.947 Code GRD
Mthd Phase Diff. H.pr 0.032 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407755.0 End wk 1073 sec 407757.0

GPSVEC TP Point ID 4018 DX 784.492 DY 884.297
Class Normal DZ 1690.973 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.049

GPSQC1 NM Min SVs 7 PDOP max 1.2
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 407781.0 End wk 1073 sec 407783.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 407789.0
Init counter 4 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 408287.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 342 DX 727.429 DY 98.442
Class Normal DZ 538.939 Code SG 461+31E
Mthd Phase Diff. H.pr 0.019 V.pr 0.034

GPSQC1 NM Min SVs 6 PDOP max 1.1
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408316.0 End wk 1073 sec 408319.0

INIT KI Init event Lost Week 1073
Init type On the fly seconds 408324.0
Init counter 5 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

INIT KI Init event Gained Week 1073
Init type On the fly seconds 408359.0
Init counter 6 Point ID <no text>
Survey type Real Time Plate H. Dist <null>
Plate V. Dist <null> Plate azimuth <null>

GPSVEC TP Point ID 343 DX 727.416 DY 98.400
Class Normal DZ 538.910 Code SG 461+31E
Mthd Phase Diff. H.pr 0.022 V.pr 0.039

GPSQC1 NM Min SVs 6 PDOP max 1.3
Total GPS pos 3 HDOP max 0.6
Monitor status Yes VDOP max 1.1
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408372.0 End wk 1073 sec 408374.0

NOTE KI LINE. Name: 37, Code: , Method: Two points, Start pt: 342,

NOTE KI End pt: 224, Azimuth: 141.166°, Length: 14.663ft,

NOTE KI Grade: 30.435°

GPSVEC TP Point ID 4019 DX 726.797 DY 104.623
Class Normal DZ 539.824 Code TOE LEVEE
Mthd Phase Diff. H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408455.0 End wk 1073 sec 408457.0

GPSVEC TP Point ID 4020 DX 725.521 DY 106.772
Class Normal DZ 541.725 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.032

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408477.0 End wk 1073 sec 408480.0

GPSVEC TP Point ID 4021 DX 723.366 DY 109.621
Class Normal DZ 544.692 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408494.0 End wk 1073 sec 408497.0

GPSVEC TP Point ID 4022 DX 720.254 DY 114.844
Class Normal DZ 549.341 Code GRD
Mthd Phase Diff. H.pr 0.031 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 5 HDOP max 0.4
Monitor status Yes VDOP max 0.7
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408537.0 End wk 1073 sec 408541.0

GPSVEC TP Point ID 4023 DX 715.512 DY 122.461
Class Normal DZ 557.271 Code GRD
Mthd Phase Diff. H.pr 0.028 V.pr 0.048

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408558.0 End wk 1073 sec 408560.0

GPSVEC TP Point ID 4024 DX 710.701 DY 129.329
Class Normal DZ 563.841 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.051

```
GPSQC1  NM  Min SVs      7            PDOP max  0.8
        Total GPS pos  7            HDOP max  0.4
        Monitor status Yes          VDOP max  0.7
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408603.0      End wk 1073   sec 408609.0

GPSVEC  TP  Point ID 4025      DX  706.137        DY  136.219
        Class Normal        DZ  571.177        Code GRD
        Mthd Phase Diff.    H.pr 0.028         V.pr 0.047

GPSQC1  NM  Min SVs      7            PDOP max  1.0
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408629.0      End wk 1073   sec 408632.0

GPSVEC  TP  Point ID 4026      DX  698.990        DY  147.100
        Class Normal        DZ  582.076        Code GRD
        Mthd Phase Diff.    H.pr 0.032         V.pr 0.055

GPSQC1  NM  Min SVs      7            PDOP max  1.1
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408655.0      End wk 1073   sec 408657.0

GPSVEC  TP  Point ID 4027      DX  692.561        DY  156.758
        Class Normal        DZ  591.237        Code GRD
        Mthd Phase Diff.    H.pr 0.026         V.pr 0.046

GPSQC1  NM  Min SVs      6            PDOP max  1.2
        Total GPS pos  5            HDOP max  0.6
        Monitor status Yes          VDOP max  1.1
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408674.0      End wk 1073   sec 408678.0

GPSVEC  TP  Point ID 4028      DX  685.314        DY  168.973
        Class Normal        DZ  602.779        Code GRD
        Mthd Phase Diff.    H.pr 0.029         V.pr 0.051

GPSQC1  NM  Min SVs      7            PDOP max  1.0
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408767.0      End wk 1073   sec 408770.0
```

GPSVEC TP Point ID 4029 DX 680.870 DY 177.205
Class Normal DZ 610.183 Code GRD
Mthd Phase Diff. H.pr 0.021 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408803.0 End wk 1073 sec 408806.0

GPSVEC TP Point ID 4030 DX 674.462 DY 188.005
Class Normal DZ 620.033 Code GRD
Mthd Phase Diff. H.pr 0.030 V.pr 0.053

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408848.0 End wk 1073 sec 408850.0

GPSVEC TP Point ID 4031 DX 667.319 DY 198.747
Class Normal DZ 630.991 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408870.0 End wk 1073 sec 408872.0

GPSVEC TP Point ID 4032 DX 663.298 DY 205.644
Class Normal DZ 637.466 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 0.9
Total GPS pos 3 HDOP max 0.4
Monitor status Yes VDOP max 0.8
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408883.0 End wk 1073 sec 408886.0

GPSVEC TP Point ID 4033 DX 659.799 DY 210.059
Class Normal DZ 642.048 Code GRD
Mthd Phase Diff. H.pr 0.026 V.pr 0.047

```
GPSQC1  NM  Min SVs      7            PDOP max  1.1
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408899.0      End wk 1073   sec 408901.0

GPSVEC  TP  Point ID 4034      DX   657.217        DY   213.111
        Class Normal        DZ   646.317        Code GRD
        Mthd Phase Diff.    H.pr 0.017          V.pr 0.032

GPSQC1  NM  Min SVs      7            PDOP max  0.9
        Total GPS pos  5            HDOP max  0.4
        Monitor status Yes          VDOP max  0.8
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408917.0      End wk 1073   sec 408921.0

GPSVEC  TP  Point ID 4035      DX   655.114        DY   216.426
        Class Normal        DZ   649.914        Code GRD
        Mthd Phase Diff.    H.pr 0.019          V.pr 0.034

GPSQC1  NM  Min SVs      7            PDOP max  1.1
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  1.0
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408932.0      End wk 1073   sec 408934.0

GPSVEC  TP  Point ID 4036      DX   651.880        DY   221.261
        Class Normal        DZ   655.505        Code GRD
        Mthd Phase Diff.    H.pr 0.023          V.pr 0.042

GPSQC1  NM  Min SVs      7            PDOP max  1.0
        Total GPS pos  4            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408945.0      End wk 1073   sec 408948.0

GPSVEC  TP  Point ID 4037      DX   645.799        DY   229.833
        Class Normal        DZ   664.841        Code GRD
        Mthd Phase Diff.    H.pr 0.017          V.pr 0.031

GPSQC1  NM  Min SVs      7            PDOP max  1.0
        Total GPS pos  3            HDOP max  0.5
        Monitor status Yes          VDOP max  0.9
        Horizontal SD  0.000         Vert SD   0.000
        Start wk 1073 sec 408963.0      End wk 1073   sec 408966.0
```

GPSVEC TP Point ID 4038 DX 638.671 DY 240.453
Class Normal DZ 675.254 Code GRD
Mthd Phase Diff. H.pr 0.020 V.pr 0.038

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408985.0 End wk 1073 sec 408988.0

GPSVEC TP Point ID 4039 DX 636.815 DY 243.369
Class Normal DZ 677.802 Code GRD
Mthd Phase Diff. H.pr 0.022 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 408999.0 End wk 1073 sec 409001.0

GPSVEC TP Point ID 4040 DX 633.006 DY 248.657
Class Normal DZ 684.073 Code GRD
Mthd Phase Diff. H.pr 0.019 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 1.1
Total GPS pos 3 HDOP max 0.5
Monitor status Yes VDOP max 1.0
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 409016.0 End wk 1073 sec 409018.0

GPSVEC TP Point ID 4041 DX 628.410 DY 255.672
Class Normal DZ 691.339 Code GRD
Mthd Phase Diff. H.pr 0.024 V.pr 0.045

GPSQC1 NM Min SVs 7 PDOP max 1.0
Total GPS pos 4 HDOP max 0.5
Monitor status Yes VDOP max 0.9
Horizontal SD 0.000 Vert SD 0.000
Start wk 1073 sec 409038.0 End wk 1073 sec 409041.0

GPSVEC TP Point ID 4042 DX 622.117 DY 265.263
Class Normal DZ 700.603 Code GRD
Mthd Phase Diff. H.pr 0.029 V.pr 0.055

```
GPSQC1  NM  Min SVs      7              PDOP max  0.8
        Total GPS pos  6              HDOP max  0.4
        Monitor status Yes            VDOP max  0.7
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 409053.0       End wk 1073   sec 409060.0

GPSVEC  TP  Point ID 4043       DX   614.316        DY   276.890
        Class Normal        DZ   712.426        Code GRD
        Mthd Phase Diff.    H.pr 0.024          V.pr 0.046

GPSQC1  NM  Min SVs      7              PDOP max  1.0
        Total GPS pos  4              HDOP max  0.5
        Monitor status Yes            VDOP max  0.9
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 409076.0       End wk 1073   sec 409079.0

GPSVEC  TP  Point ID 4044       DX   608.410        DY   285.939
        Class Normal        DZ   722.067        Code GRD
        Mthd Phase Diff.    H.pr 0.018          V.pr 0.034

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 409098.0       End wk 1073   sec 409100.0

GPSVEC  TP  Point ID 4045       DX   603.125        DY   293.905
        Class Normal        DZ   730.305        Code GRD
        Mthd Phase Diff.    H.pr 0.022          V.pr 0.042

GPSQC1  NM  Min SVs      7              PDOP max  1.1
        Total GPS pos  3              HDOP max  0.5
        Monitor status Yes            VDOP max  1.0
        Horizontal SD  0.000           Vert SD   0.000
        Start wk 1073 sec 409130.0       End wk 1073   sec 409132.0

INIT    KI  Init event    Lost            Week        1073
        Init type     On the fly       seconds      409138.0
        Init counter  6               Point ID     <no text>
        Survey type   Real Time          Plate H. Dist <null>
        Plate V. Dist <null>           Plate azimuth <null>
```

NAVD88 to NGVD29 Adjustments
For the
Land Subsidence Evaluation of the Upper Agua Fria
Levees
FCD Contract No. 99-067, Assignment 1
Portions of Tasks 3, 4 and 5
(Northern Avenue to Greenway Road)

Surveyed By;
SurvNet, Inc.
150 N. Stapley #105
Mesa, AZ 85203
(480)835-9070

Provided for:
Premier Engineering Corporation
1600 W. Broadway Rd. #165
Tempe, AZ 85282
(480)829-6000

8/8/02

Registered Land Surveyor
CERTIFICATE NO.
28724
MATTHEW A.
GRAHAM
Date Signed
ARIZONA, U.S.A.

VERTical CONversion (VERTCON) Transformation Program
Between NGVD 29 and NAVD 88
Version 2.0

==========

Station Name: 410

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 56.93807	112 16 16.38982	.562

Station Name: 411

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 56.68944	112 16 34.14694	.563

Station Name: 412

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 49.14602	112 16 21.65001	.561

Station Name: 413

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 43.36700	112 15 18.47027	.554

Station Name: 414

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 36 35.90760	112 14 15.20535	.551

Station Name: 415

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 1.97036	112 14 15.01847	.551

Station Name: 416

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 28.04873	112 14 14.83539	.551

Station Name: 417

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.63725	112 16 27.21232	.565

Station Name: 418

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.72403	112 16 27.96136	.564

Station Name: 419

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85941	112 16 28.62243	.564

Station Name: 420

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.88036	112 16 28.58216	.564

Station Name: 421

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.57270	112 16 26.29329	.563

Station Name:	Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
422	33 33 57.19448	112 16 23.57856	.563
423	33 33 58.61998	112 16 21.09800	.563
424	33 34 6.28473	112 16 13.57947	.562
425	33 34 16.03600	112 16 14.20080	.562
426	33 34 19.43113	112 16 15.45112	.561
427	33 34 25.62108	112 16 13.85450	.561
428	33 34 34.30558	112 16 8.24622	.560
429	33 34 43.49076	112 16 3.82011	.560
430	33 34 53.12136	112 16 .11854	.559
431	33 34 59.16750	112 15 58.14696	.559
432	33 35 1.75906	112 15 56.38292	.559
433	33 35 10.26406	112 15 50.56680	.558
434	33 35 19.52808	112 15 46.76958	.557

Station Name: 435

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.41213	112 15 44.85956	.556

Station Name: 436

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.44172	112 15 43.83298	.556

Station Name: 437

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.89237	112 16 34.11215	.565

Station Name: 438

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68496	112 16 33.04917	.564

Station Name: 439

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.45268	112 16 34.24104	.564

Station Name: 440

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.55549	112 16 34.03037	.564

Station Name: 441

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.61658	112 16 30.46389	.563

Station Name: 442

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.44866	112 16 26.28233	.563

Station Name: 443

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.39881	112 16 19.17519	.562

Station Name: 444

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.43328	112 16 19.32006	.562

Station Name: 445

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.16810	112 16 19.52063	.562

Station Name: 446

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.18542	112 16 18.04457	.561

Station Name: 447

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.62379	112 16 12.50474	.561

Station Name: 448

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.77235	112 16 7.61833	.560

Station Name: 449

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.39437	112 16 3.56977	.559

Station Name: 450

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 .00827	112 16 .51927	.559

Station Name: 451

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.44827	112 15 58.97188	.559

Station Name: 452

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.73503	112 15 54.72796	.558

Station Name: 453

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 21.04284	112 15 50.83533	.557

Station Name: 454

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.81892	112 15 49.18964	.557

Station Name: 455

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.56884	112 15 47.71611	.556

Station Name: 456

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.91972	112 15 43.59903	.555

Station Name: 457

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.01846	112 15 40.06130	.555

Station Name: 458

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 19.96981	112 14 15.69045	.551

Station Name: 459

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.53627	112 14 9.87214	.551

Station Name: 460

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.39049	112 14 18.37445	.551

Station Name: 461

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.81804	112 14 12.69720	.551

Station Name: 462

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 30 29.45965	112 17 23.97407	.585

Station Name: 463

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.40344	112 14 33.15161	.551

Station Name: 464

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.19530	112 14 31.79293	.551

Station Name: 465

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.73745	112 14 25.52172	.551

Station Name: 466

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.74224	112 14 35.43849	.551

Station Name: 467

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.60968	112 14 34.13060	.551

Station Name: 468

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.55696	112 14 32.34812	.551

Station Name: 469

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.52516	112 14 32.16970	.551

Station Name: 470

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.69465	112 16 27.41405	.565

Station Name: 471

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.89007	112 16 33.92761	.565

Station Name: 472

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.70239	112 16 28.15170	.564

Station Name: 473

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68452	112 16 32.83236	.564

Station Name: 474

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.44916	112 16 34.04260	.564

Station Name: 475

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85806	112 16 28.81421	.564

Station Name: 476

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.88945	112 16 28.76380	.564

Station Name: 477

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.53811	112 16 33.85250	.564

Station Name: 478

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.62165	112 16 26.47371	.563

Station Name: 479

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.57176	112 16 30.29342	.563

Station Name: 480

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.78001	112 16 21.23573	.563

Station Name: 481

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.31799	112 16 26.09006	.563

Station Name: 482

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.33774	112 16 13.78218	.562

Station Name: 483

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.35580	112 16 18.95522	.562

Station Name: 484

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.93704	112 16 14.41148	.562

Station Name: 485

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.41582	112 16 15.65801	.561

Station Name: 486

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.18433	112 16 19.30484	.562

Station Name: 487

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.46359	112 16 19.07741	.562

Station Name: 488

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.67653	112 16 13.98188	.561

Station Name: 489

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.13264	112 16 17.86824	.561

Station Name: 490

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.38876	112 16 8.44087	.560

Station Name: 491

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.52218	112 16 3.99669	.560

Station Name: 492

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.74363	112 16 7.42133	.560

Station Name: 493

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.54062	112 16 12.31951	.561

Station Name: 494

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.17399	112 16 .30923	.559

Station Name: 495

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.33315	112 16 3.36750	.559

Station Name: 496

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.23863	112 15 58.34081	.559

Station Name: 497

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.93728	112 16 .34225	.559

Station Name: 498

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.34044	112 15 58.78094	.559

Station Name: 499

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.89352	112 15 56.55217	.559

Station Name:	Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
500	33 35 11.67228	112 15 54.50813	.558
501	33 35 10.33925	112 15 50.80761	.558
502	33 35 20.99184	112 15 50.65125	.557
503	33 35 19.59396	112 15 46.95280	.557
504	33 35 30.81361	112 15 49.01084	.557
505	33 35 29.41576	112 15 45.02823	.556
506	33 35 40.51255	112 15 47.53957	.556
507	33 35 39.48952	112 15 43.97997	.556
508	33 35 49.88441	112 15 43.52028	.555
509	33 35 48.04643	112 15 40.12995	.555
510	33 37 22.32940	112 14 18.30289	.551
511	33 37 20.03061	112 14 15.76531	.551
512	33 37 23.65386	112 14 9.95494	.551

Station Name: 513

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.73849	112 14 12.60572	.551

Station Name: 514

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.58759	112 14 33.32872	.551

Station Name: 515

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.56219	112 14 35.26297	.551

Station Name: 516

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.50719	112 14 34.03513	.551

Station Name: 517

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.29777	112 14 31.88688	.551

Station Name: 518

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.55389	112 14 32.15763	.551

Station Name: 519

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.52295	112 14 32.07083	.551

Station Name: 520

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.85002	112 14 25.63095	.551

Station Name: 3000

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.64463	112 16 27.23632	.565

Station Name: 3001

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.71988	112 16 27.98519	.564

Station Name: 3002

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.86026	112 16 28.65181	.564

Station Name: 3003

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.88186	112 16 28.61283	.564

Station Name: 3004

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.58247	112 16 26.32962	.563

Station Name: 3005

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.63641	112 16 21.11044	.563

Station Name: 3006

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.29128	112 16 13.60294	.562

Station Name: 3007

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 16.02705	112 16 14.22218	.562

Station Name: 3008

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.42899	112 16 15.47581	.561

Station Name: 3009

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.63038	112 16 13.87485	.561

Station Name: 3010

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.31412	112 16 8.26157	.560

Station Name: 3011

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.49578	112 16 3.84094	.560

Station Name: 3012

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.12797	112 16 .14166	.559

Station Name: 3013

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.17523	112 15 58.16941	.559

Station Name: 3014

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.77157	112 15 56.39790	.559

Station Name: 3015

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.27224	112 15 50.58942	.558

Station Name: 3016

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.53443	112 15 46.79153	.557

Station Name: 3017

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.41278	112 15 44.87813	.556

Station Name: 3018

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.44874	112 15 43.85513	.556

Station Name: 3019

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.89259	112 16 34.07677	.565

Station Name: 3020

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68531	112 16 33.01563	.564

Station Name: 3021

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.45227	112 16 34.21381	.564

Station Name: 3022

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.55420	112 16 34.00661	.564

Station Name: 3023

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.60737	112 16 30.43311	.563

Station Name: 3024

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.44150	112 16 26.26745	.563

Station Name: 3025

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.39480	112 16 19.15705	.562

Station Name: 3026

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.43471	112 16 19.30045	.562

Station Name: 3027

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.16909	112 16 19.49690	.562

Station Name: 3028

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.18007	112 16 18.02627	.561

Station Name: 3029

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.61394	112 16 12.48286	.561

Station Name: 3030

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.76935	112 16 7.59325	.560

Station Name: 3031

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.38893	112 16 3.54963	.559

Station Name: 3032

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.99865	112 16 .49621	.559

Station Name: 3033

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.43918	112 15 58.95381	.559

Station Name: 3034

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.73009	112 15 54.70527	.558

Station Name: 3035

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 21.03755	112 15 50.81813	.557

Station Name: 3036

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.81885	112 15 49.16372	.557

Station Name: 3037

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.56241	112 15 47.69515	.556

Station Name: 3038

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.91050	112 15 43.57981	.555

Station Name: 3039

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.02750	112 15 40.08312	.555

Station Name: 3040

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 19.98229	112 14 15.70591	.551

Station Name: 3041

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.55548	112 14 9.88446	.551

Station Name: 3042

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.37735	112 14 18.35887	.551

Station Name: 3043

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.80129	112 14 12.68019	.551

Station Name: 3044

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.41694	112 14 33.16459	.551

Station Name: 3045

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.21016	112 14 31.80530	.551

Station Name: 3046

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.75644	112 14 25.54058	.551

Station Name: 3047

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.72806	112 14 35.42487	.551

Station Name: 3048

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.59416	112 14 34.11676	.551

Station Name: 3049

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.55569	112 14 32.32689	.551

Station Name: 3050

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.52560	112 14 32.14523	.551

Station Name: 3051

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.71277	112 16 27.46920	.565

Station Name: 3052

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.73352	112 16 27.54931	.565

Station Name: 3053

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.78658	112 16 27.74312	.565

Station Name: 3054

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.83263	112 16 27.91013	.565

Station Name: 3055

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.89167	112 16 28.09944	.565

Station Name: 3056

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.91537	112 16 28.18186	.565

Station Name: 3057

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 9.96210	112 16 28.36009	.565

Station Name: 3058

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.00702	112 16 28.51555	.565

Station Name: 3059

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.06157	112 16 28.71308	.565

Station Name: 3060

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.11867	112 16 28.89004	.565

Station Name: 3061

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.13028	112 16 28.93336	.565

Station Name: 3062

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.14377	112 16 28.99385	.565

Station Name: 3063

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.16570	112 16 29.07408	.565

Station Name: 3064

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.19349	112 16 29.17389	.565

Station Name: 3065

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.23090	112 16 29.29141	.565

Station Name: 3066

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.26575	112 16 29.42541	.565

Station Name: 3067

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.33140	112 16 29.65002	.565

Station Name: 3068

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.39428	112 16 29.87141	.565

Station Name: 3069

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.46405	112 16 30.11362	.565

Station Name: 3070

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.52831	112 16 30.33074	.565

Station Name: 3071

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.59142	112 16 30.55054	.565

Station Name: 3072

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.66119	112 16 30.78803	.565

Station Name: 3073

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.88885	112 16 33.87909	.565

Station Name: 3074

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.89008	112 16 33.76961	.565

Station Name: 3075

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.88597	112 16 33.56798	.565

Station Name: 3076

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.88079	112 16 33.38547	.565

Station Name: 3077

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.88100	112 16 33.27091	.565

Station Name: 3078

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.87856	112 16 33.03905	.565

Station Name: 3079

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.87867	112 16 32.85217	.565

Station Name: 3080

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.87312	112 16 32.61013	.565

Station Name: 3081

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.87141	112 16 32.42692	.565

Station Name: 3082

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86855	112 16 32.39169	.565

Station Name: 3083

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86837	112 16 32.19372	.565

Station Name: 3084

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86823	112 16 32.07475	.565

Station Name: 3085

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86416	112 16 31.89277	.565

Station Name: 3086

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86384	112 16 31.85804	.565

Station Name: 3087

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86131	112 16 31.65003	.565

Station Name: 3088

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.86038	112 16 31.55220	.565

Station Name: 3089

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.85460	112 16 31.49710	.565

Station Name: 3090

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.85558	112 16 31.36408	.565

Station Name: 3091

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.85580	112 16 31.23077	.565

Station Name: 3092

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.85562	112 16 31.16362	.565

Station Name: 3093

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.85100	112 16 30.96954	.565

Station Name: 3094

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.84901	112 16 30.87854	.565

Station Name: 3095

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.84918	112 16 30.63972	.565

Station Name: 3096

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 10.84428	112 16 30.37385	.565

Station Name: 3097

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.69490	112 16 28.20392	.564

Station Name: 3098

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.68218	112 16 28.33165	.564

Station Name: 3099

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.66615	112 16 28.47341	.564

Station Name: 3100

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.64796	112 16 28.64181	.564

Station Name: 3101

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.63689	112 16 28.76060	.564

Station Name: 3102

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.62962	112 16 28.80600	.564

Station Name: 3103

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.62345	112 16 28.86337	.564

Station Name: 3104

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.61265	112 16 28.95339	.564

Station Name: 3105

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.59147	112 16 29.14373	.564

Station Name: 3106

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.56509	112 16 29.35611	.564

Station Name: 3107

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.55672	112 16 29.45215	.564

Station Name: 3108

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.54177	112 16 29.56933	.564

Station Name: 3109

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.52762	112 16 29.72064	.564

Station Name: 3110

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.51261	112 16 29.81627	.564

Station Name: 3111

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.49149	112 16 30.03960	.564

Station Name: 3112

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.46505	112 16 30.24210	.564

Station Name: 3113

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.43940	112 16 30.48055	.564

Station Name: 3114

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.42255	112 16 30.62586	.564

Station Name: 3115

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.41927	112 16 30.66436	.564

Station Name: 3116

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.41330	112 16 30.70831	.564

Station Name: 3117

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.38637	112 16 30.96277	.564

Station Name: 3118

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.36194	112 16 31.19733	.564

Station Name: 3119

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.33178	112 16 31.43349	.564

Station Name: 3120

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 19.30535	112 16 31.66654	.564

Station Name: 3121

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68372	112 16 32.78730	.564

Station Name: 3122

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68380	112 16 32.57862	.564

Station Name: 3123

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68511	112 16 32.38040	.564

Station Name: 3124

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68350	112 16 32.12989	.564

Station Name: 3125

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68588	112 16 31.89257	.564

Station Name: 3126

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68256	112 16 31.66455	.564

Station Name: 3127

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68190	112 16 31.41744	.564

Station Name: 3128

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68632	112 16 31.18050	.564

Station Name: 3129

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68620	112 16 30.95735	.564

Station Name: 3130

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68264	112 16 30.70285	.564

Station Name: 3131

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68188	112 16 30.47896	.564

Station Name: 3132

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68263	112 16 30.25015	.564

Station Name: 3133

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68205	112 16 30.15439	.564

Station Name: 3134

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68154	112 16 30.11177	.564

Station Name: 3135

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68297	112 16 29.96442	.564

Station Name: 3136

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68498	112 16 29.81668	.564

Station Name: 3137

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68468	112 16 29.68391	.564

Station Name: 3138

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68531	112 16 29.64423	.564

Station Name: 3139

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68211	112 16 29.50311	.564

Station Name: 3140

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 20.68183	112 16 29.28575	.564

Station Name: 3141

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.44576	112 16 33.99493	.564

Station Name: 3142

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.44823	112 16 33.95047	.564

Station Name: 3143

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.44451	112 16 33.72025	.564

Station Name: 3144

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.43966	112 16 33.48959	.564

Station Name: 3145

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.43523	112 16 33.26991	.564

Station Name: 3146

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.43292	112 16 33.03901	.564

Station Name: 3147

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.42840	112 16 32.90506	.564

Station Name: 3148

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.42485	112 16 32.81260	.564

Station Name: 3149

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.42512	112 16 32.69821	.564

Station Name: 3150

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.42144	112 16 32.50382	.564

Station Name: 3151

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.41581	112 16 32.24479	.564

Station Name: 3152

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.41461	112 16 32.16358	.564

Station Name: 3153

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.41422	112 16 32.00475	.564

Station Name: 3154

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.41047	112 16 31.75907	.564

Station Name: 3155

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.40675	112 16 31.69062	.564

Station Name: 3156

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.40695	112 16 31.53594	.564

Station Name: 3157

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.40127	112 16 31.39152	.564

Station Name: 3158

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.39878	112 16 31.24257	.564

Station Name: 3159

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.39666	112 16 31.19057	.564

Station Name: 3160

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.39532	112 16 31.05076	.564

Station Name: 3161

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.39401	112 16 30.94225	.564

Station Name: 3162

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.39098	112 16 30.81909	.564

Station Name: 3163

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.38806	112 16 30.58711	.564

Station Name: 3164

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 30.38191	112 16 30.35649	.564

Station Name: 3165

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85823	112 16 28.85907	.564

Station Name: 3166

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85441	112 16 28.94954	.564

Station Name: 3167

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85678	112 16 29.08214	.564

Station Name: 3168

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85481	112 16 29.17655	.564

Station Name: 3169

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85114	112 16 29.22992	.564

Station Name: 3170

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85261	112 16 29.45577	.564

Station Name: 3171

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84892	112 16 29.68818	.564

Station Name: 3172

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.85024	112 16 29.88427	.564

Station Name: 3173

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84922	112 16 30.13069	.564

Station Name: 3174

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84796	112 16 30.19674	.564

Station Name: 3175

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84682	112 16 30.28825	.564

Station Name: 3176

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84916	112 16 30.42122	.564

Station Name: 3177

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84602	112 16 30.49444	.564

Station Name: 3178

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84442	112 16 30.67815	.564

Station Name: 3179

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84472	112 16 30.79718	.564

Station Name: 3180

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84352	112 16 30.94695	.564

Station Name: 3181

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.84407	112 16 31.07518	.564

Station Name: 3182

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83996	112 16 31.21700	.564

Station Name: 3183

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83616	112 16 31.38049	.564

Station Name: 3184

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83903	112 16 31.52539	.564

Station Name: 3185

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83742	112 16 31.57602	.564

Station Name: 3186

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83968	112 16 31.65387	.564

Station Name: 3187

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83545	112 16 31.73113	.564

Station Name: 3188

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83419	112 16 31.98178	.564

Station Name: 3189

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83386	112 16 32.14674	.564

Station Name: 3190

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83162	112 16 32.30191	.564

Station Name: 3191

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 28.83354	112 16 32.35594	.564

Station Name: 3192

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.89122	112 16 28.81196	.564

Station Name: 3193

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.89442	112 16 28.88496	.564

Station Name: 3194

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.90039	112 16 29.05661	.564

Station Name: 3195

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.91284	112 16 29.26969	.564

Station Name: 3196

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.92453	112 16 29.45538	.564

Station Name: 3197

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.92934	112 16 29.55285	.564

Station Name: 3198

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.92958	112 16 29.60904	.564

Station Name: 3199

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.93304	112 16 29.64735	.564

Station Name: 3200

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.93513	112 16 29.69108	.564

Station Name: 3201

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.93495	112 16 29.73474	.564

Station Name: 3202

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.93927	112 16 29.78002	.564

Station Name: 3203

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.94218	112 16 29.93254	.564

Station Name: 3204

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.95438	112 16 30.11491	.564

Station Name: 3205

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.96166	112 16 30.20847	.564

Station Name: 3206

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.96133	112 16 30.27586	.564

Station Name: 3207

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.96063	112 16 30.32725	.564

Station Name: 3208

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.96984	112 16 30.44093	.564

Station Name: 3209

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.96823	112 16 30.47965	.564

Station Name: 3210

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.97433	112 16 30.50566	.564

Station Name: 3211

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.97584	112 16 30.61143	.564

Station Name: 3212

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.98474	112 16 30.68488	.564

Station Name: 3213

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.98578	112 16 30.82571	.564

Station Name: 3214

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 38.99331	112 16 30.97200	.564

Station Name: 3215

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.00035	112 16 31.10264	.564

Station Name: 3216

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.01077	112 16 31.23070	.564

Station Name: 3217

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.01197	112 16 31.33616	.564

Station Name: 3218

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.01632	112 16 31.41925	.564

Station Name: 3219

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.01969	112 16 31.51696	.564

Station Name: 3220

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.02398	112 16 31.60148	.564

Station Name: 3221

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.03305	112 16 31.69440	.564

Station Name: 3222

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.03786	112 16 31.86592	.564

Station Name: 3223

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.04481	112 16 32.03026	.564

Station Name: 3224

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.04722	112 16 32.13136	.564

Station Name: 3225

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 39.05935	112 16 32.30680	.564

Station Name: 3226

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.53146	112 16 33.80982	.564

Station Name: 3227

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.51208	112 16 33.59560	.564

Station Name: 3228

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.49108	112 16 33.39075	.564

Station Name: 3229

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.47267	112 16 33.21030	.564

Station Name: 3230

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.45981	112 16 33.06132	.564

Station Name: 3231

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.45231	112 16 32.98399	.564

Station Name: 3232

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.43961	112 16 32.90346	.564

Station Name: 3233

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.43373	112 16 32.81177	.564

Station Name: 3234

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.41758	112 16 32.64675	.564

Station Name: 3235

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.39959	112 16 32.47593	.564

Station Name: 3236

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.38722	112 16 32.32834	.564

Station Name: 3237

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.37236	112 16 32.19361	.564

Station Name: 3238

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.34865	112 16 31.96349	.564

Station Name: 3239

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.33703	112 16 31.84098	.564

Station Name: 3240

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.32449	112 16 31.70171	.564

Station Name: 3241

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.30753	112 16 31.53360	.564

Station Name: 3242

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.28725	112 16 31.39086	.564

Station Name: 3243

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.28150	112 16 31.34646	.564

Station Name: 3244

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.27620	112 16 31.23378	.564

Station Name: 3245

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.26601	112 16 31.14248	.564

Station Name: 3246

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.25755	112 16 31.03834	.564

Station Name: 3247

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.25357	112 16 30.96371	.564

Station Name: 3248

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.22685	112 16 30.80898	.564

Station Name: 3249

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.22190	112 16 30.69239	.564

Station Name: 3250

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.20332	112 16 30.52540	.564

Station Name: 3251

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.19728	112 16 30.47003	.564

Station Name: 3252

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.18607	112 16 30.33764	.564

Station Name: 3253

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 40.17522	112 16 30.25213	.564

Station Name: 3254

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.56352	112 16 30.24994	.563

Station Name: 3255

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.54002	112 16 30.15484	.563

Station Name: 3256

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.49522	112 16 29.96280	.563

Station Name: 3257

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.45094	112 16 29.80710	.563

Station Name: 3258

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.39782	112 16 29.59845	.563

Station Name: 3259

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.35210	112 16 29.40201	.563

Station Name: 3260

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.30861	112 16 29.22739	.563

Station Name: 3261

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.25847	112 16 29.02953	.563

Station Name: 3262

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.20342	112 16 28.81557	.563

Station Name: 3263

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.15672	112 16 28.62393	.563

Station Name: 3264

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.11950	112 16 28.47312	.563

Station Name: 3265

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.07711	112 16 28.29957	.563

Station Name: 3266

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.06448	112 16 28.26171	.563

Station Name: 3267

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 49.02072	112 16 28.08064	.563

Station Name: 3268

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.97923	112 16 27.91555	.563

Station Name: 3269

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.93048	112 16 27.72273	.563

Station Name: 3270

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.90780	112 16 27.62180	.563

Station Name: 3271

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.89486	112 16 27.57412	.563

Station Name: 3272

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.78148	112 16 27.35417	.563

Station Name: 3273

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.81199	112 16 27.22932	.563

Station Name: 3274

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.77055	112 16 27.08917	.563

Station Name: 3275

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.73213	112 16 26.91893	.563

Station Name: 3276

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.71113	112 16 26.83152	.563

Station Name: 3277

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.67796	112 16 26.70225	.563

Station Name: 3278

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.63788	112 16 26.53060	.563

Station Name: 3279

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 48.63350	112 16 26.51180	.563

Station Name: 3280

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.81471	112 16 21.26459	.563

Station Name: 3281

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.95157	112 16 21.38536	.563

Station Name: 3282

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.10986	112 16 21.52124	.563

Station Name: 3283

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.27024	112 16 21.66110	.563

Station Name: 3284

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.42710	112 16 21.79600	.563

Station Name: 3285

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.58344	112 16 21.93061	.563

Station Name: 3286

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.73787	112 16 22.06187	.563

Station Name: 3287

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.88494	112 16 22.18575	.563

Station Name: 3288

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .04767	112 16 22.32872	.563

Station Name: 3289

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .13318	112 16 22.40336	.563

Station Name: 3290

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .23331	112 16 22.49111	.563

Station Name: 3291

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .38329	112 16 22.61844	.563

Station Name: 3292

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .54234	112 16 22.74958	.563

Station Name: 3293

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .70252	112 16 22.89177	.563

Station Name: 3294

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .75406	112 16 22.93275	.563

Station Name: 3295

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .81123	112 16 22.98601	.563

Station Name: 3296

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 .91598	112 16 23.07344	.563

Station Name: 3297

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 1.04322	112 16 23.18641	.563

Station Name: 3298

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 1.18774	112 16 23.30607	.563

Station Name: 3299

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.29070	112 16 26.05324	.563

Station Name: 3300

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.27456	112 16 26.02359	.563

Station Name: 3301

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.20953	112 16 25.92884	.563

Station Name: 3302

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.19096	112 16 25.90294	.563

Station Name: 3303

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.14230	112 16 25.83011	.563

Station Name: 3304

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 59.02714	112 16 25.65876	.563

Station Name: 3305

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.97496	112 16 25.58120	.563

Station Name: 3306

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.88720	112 16 25.45379	.563

Station Name: 3307

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.86487	112 16 25.42079	.563

Station Name: 3308

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.83847	112 16 25.37962	.563

Station Name: 3309

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.73551	112 16 25.22781	.563

Station Name: 3310

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.68265	112 16 25.15573	.563

Station Name: 3311

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.66051	112 16 25.11740	.563

Station Name: 3312

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.57824	112 16 24.99758	.563

Station Name: 3313

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.44670	112 16 24.80709	.563

Station Name: 3314

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.31671	112 16 24.61732	.563

Station Name: 3315

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.20089	112 16 24.44268	.563

Station Name: 3316

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 58.08386	112 16 24.27221	.563

Station Name: 3317

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 57.94755	112 16 24.06845	.563

Station Name: 3318

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 57.83467	112 16 23.89978	.563

Station Name: 3319

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 57.68721	112 16 23.68939	.563

Station Name: 3320

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 57.62832	112 16 23.59759	.563

Station Name: 3321

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 33 57.57249	112 16 23.51664	.563

Station Name: 3322

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.35059	112 16 13.82604	.562

Station Name: 3323

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.37623	112 16 13.93130	.562

Station Name: 3324

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.42457	112 16 14.11445	.562

Station Name: 3325

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.45826	112 16 14.24073	.562

Station Name: 3326

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.51363	112 16 14.45043	.562

Station Name: 3327

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.57094	112 16 14.66662	.562

Station Name: 3328

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.58195	112 16 14.71202	.562

Station Name: 3329

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.62523	112 16 14.88600	.562

Station Name: 3330

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.65236	112 16 14.98224	.562

Station Name: 3331

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.67377	112 16 15.06012	.562

Station Name: 3332

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.67695	112 16 15.08896	.562

Station Name: 3333

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.68851	112 16 15.12765	.562

Station Name: 3334

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.69930	112 16 15.16189	.562

Station Name: 3335

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.74951	112 16 15.36537	.562

Station Name: 3336

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.80947	112 16 15.58320	.562

Station Name: 3337

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.86588	112 16 15.81335	.562

Station Name: 3338

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.92801	112 16 16.03701	.562

Station Name: 3339

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.93659	112 16 16.07210	.562

Station Name: 3340

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.95410	112 16 16.14256	.562

Station Name: 3341

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.96624	112 16 16.19670	.562

Station Name: 3342

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.99159	112 16 16.28603	.562

Station Name: 3343

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.00598	112 16 16.33964	.562

Station Name: 3344

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.03750	112 16 16.46202	.562

Station Name: 3345

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.09980	112 16 16.69990	.562

Station Name: 3346

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.12658	112 16 16.80742	.562

Station Name: 3347

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.15552	112 16 16.91290	.562

Station Name: 3348

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.22177	112 16 17.16979	.562

Station Name: 3349

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.34695	112 16 18.91118	.562

Station Name: 3350

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.33900	112 16 18.86791	.562

Station Name: 3351

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.31369	112 16 18.73349	.562

Station Name: 3352

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.28561	112 16 18.58947	.562

Station Name: 3353

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.25874	112 16 18.45099	.562

Station Name: 3354

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.22059	112 16 18.26197	.562

Station Name: 3355

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.17237	112 16 18.01643	.562

Station Name: 3356

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.12953	112 16 17.79312	.562

Station Name: 3357

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.08569	112 16 17.56502	.562

Station Name: 3358

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 7.03932	112 16 17.33213	.562

Station Name: 3359

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.99743	112 16 17.11803	.562

Station Name: 3360

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.97433	112 16 17.01277	.562

Station Name: 3361

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.94320	112 16 16.83318	.562

Station Name: 3362

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.90724	112 16 16.65664	.562

Station Name: 3363

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.86179	112 16 16.41822	.562

Station Name: 3364

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.83404	112 16 16.26369	.562

Station Name: 3365

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.81161	112 16 16.16688	.562

Station Name: 3366

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.79424	112 16 16.06492	.562

Station Name: 3367

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.73917	112 16 15.78413	.562

Station Name: 3368

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 6.68250	112 16 15.50085	.562

Station Name: 3369

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.92333	112 16 14.45686	.562

Station Name: 3370

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.84120	112 16 14.61451	.562

Station Name: 3371

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.74499	112 16 14.81722	.562

Station Name: 3372

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.64555	112 16 15.03575	.562

Station Name: 3373

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.54947	112 16 15.23456	.562

Station Name: 3374

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.45385	112 16 15.43736	.562

Station Name: 3375

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.35697	112 16 15.64675	.562

Station Name: 3376

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.30122	112 16 15.76193	.562

Station Name: 3377

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.25337	112 16 15.86854	.562

Station Name: 3378

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.23136	112 16 15.90231	.562

Station Name: 3379

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.21209	112 16 15.95528	.562

Station Name: 3380

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.18472	112 16 16.01058	.562

Station Name: 3381

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.16942	112 16 16.04274	.562

Station Name: 3382

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.08119	112 16 16.22603	.562

Station Name: 3383

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 15.04757	112 16 16.30135	.562

Station Name: 3384

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.96664	112 16 16.47842	.562

Station Name: 3385

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.86897	112 16 16.68173	.562

Station Name: 3386

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.77243	112 16 16.89234	.562

Station Name: 3387

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.67545	112 16 17.09471	.562

Station Name: 3388

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.62687	112 16 17.20050	.562

Station Name: 3389

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.55986	112 16 17.33971	.562

Station Name: 3390

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 14.48343	112 16 17.50400	.562

Station Name: 3391

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.46991	112 16 19.02700	.562

Station Name: 3392

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.47329	112 16 18.99282	.562

Station Name: 3393

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.49446	112 16 18.86174	.562

Station Name: 3394

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.52372	112 16 18.61286	.562

Station Name: 3395

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.54814	112 16 18.38001	.562

Station Name: 3396

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.57918	112 16 18.14400	.562

Station Name: 3397

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.61330	112 16 17.90743	.562

Station Name: 3398

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.63729	112 16 17.67471	.562

Station Name: 3399

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.66931	112 16 17.44421	.562

Station Name: 3400

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.68307	112 16 17.32427	.562

Station Name: 3401

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.69749	112 16 17.19012	.562

Station Name: 3402

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.72081	112 16 17.03544	.562

Station Name: 3403

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.72757	112 16 16.97989	.562

Station Name: 3404

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.74693	112 16 16.79192	.562

Station Name: 3405

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.75783	112 16 16.72179	.562

Station Name: 3406

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.76709	112 16 16.67492	.562

Station Name: 3407

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.76785	112 16 16.65345	.562

Station Name: 3408

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.78401	112 16 16.52668	.562

Station Name: 3409

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.79069	112 16 16.48469	.562

Station Name: 3410

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.79656	112 16 16.43084	.562

Station Name: 3411

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.80136	112 16 16.37866	.562

Station Name: 3412

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.80818	112 16 16.30888	.562

Station Name: 3413

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.82767	112 16 16.18407	.562

Station Name: 3414

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.83367	112 16 16.13090	.562

Station Name: 3415

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.84002	112 16 16.07839	.562

Station Name: 3416

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.84525	112 16 16.02661	.562

Station Name: 3417

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.85179	112 16 15.95477	.562

Station Name: 3418

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.86913	112 16 15.83883	.562

Station Name: 3419

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 17.90336	112 16 15.56896	.562

Station Name: 3420

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.11807	112 16 15.70389	.561

Station Name: 3421

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.10952	112 16 15.83891	.561

Station Name: 3422

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.10673	112 16 15.87380	.561

Station Name: 3423

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.09730	112 16 15.97480	.561

Station Name: 3424

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.09376	112 16 16.01576	.561

Station Name: 3425

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.08299	112 16 16.21440	.562

Station Name: 3426

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.07824	112 16 16.27703	.562

Station Name: 3427

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.06702	112 16 16.45157	.562

Station Name: 3428

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.06219	112 16 16.56304	.562

Station Name: 3429

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.06058	112 16 16.60007	.562

Station Name: 3430

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.05194	112 16 16.70934	.562

Station Name: 3431

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.05063	112 16 16.75941	.562

Station Name: 3432

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.04123	112 16 16.85599	.562

Station Name: 3433

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.03448	112 16 17.03046	.562

Station Name: 3434

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.02534	112 16 17.18346	.562

Station Name: 3435

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.00806	112 16 17.25949	.562

Station Name: 3436

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.01033	112 16 17.38952	.562

Station Name: 3437

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.00027	112 16 17.51195	.562

Station Name: 3438

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.99249	112 16 17.65144	.562

Station Name: 3439

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.98442	112 16 17.80813	.562

Station Name: 3440

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.98227	112 16 17.84304	.562

Station Name: 3441

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.97446	112 16 17.90637	.562

Station Name: 3442

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.96232	112 16 18.05140	.562

Station Name: 3443

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.95890	112 16 18.11998	.562

Station Name: 3444

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.95840	112 16 18.18872	.562

Station Name: 3445

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.95200	112 16 18.26880	.562

Station Name: 3446

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.95384	112 16 18.32454	.562

Station Name: 3447

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.94807	112 16 18.37599	.562

Station Name: 3448

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.93676	112 16 18.51878	.562

Station Name: 3449

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.93155	112 16 18.61822	.562

Station Name: 3450

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.93038	112 16 18.73679	.562

Station Name: 3451

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.91472	112 16 18.78628	.562

Station Name: 3452

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.91430	112 16 18.87633	.562

Station Name: 3453

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.90652	112 16 18.96181	.562

Station Name: 3454

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.89912	112 16 19.06648	.562

Station Name: 3455

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.89520	112 16 19.15638	.562

Station Name: 3456

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 18.89246	112 16 19.20195	.562

Station Name: 3457

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.18569	112 16 19.25336	.562

Station Name: 3458

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.18911	112 16 19.20691	.562

Station Name: 3459

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.20213	112 16 18.98608	.562

Station Name: 3460

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.21671	112 16 18.75320	.562

Station Name: 3461

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.23403	112 16 18.52532	.562

Station Name: 3462

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.24915	112 16 18.28206	.562

Station Name: 3463

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.26388	112 16 18.04347	.562

Station Name: 3464

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.27979	112 16 17.83116	.562

Station Name: 3465

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.28410	112 16 17.75339	.562

Station Name: 3466

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.28596	112 16 17.67275	.562

Station Name: 3467

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.29484	112 16 17.55676	.562

Station Name: 3468

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.30573	112 16 17.40618	.562

Station Name: 3469

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.31222	112 16 17.28049	.562

Station Name: 3470

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.32098	112 16 17.14505	.562

Station Name: 3471

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.33754	112 16 16.87619	.562

Station Name: 3472

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.35536	112 16 16.63660	.562

Station Name: 3473

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.37035	112 16 16.39185	.562

Station Name: 3474

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.38553	112 16 16.15044	.561

Station Name: 3475

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.40022	112 16 15.92780	.561

Station Name: 3476

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.41182	112 16 15.74584	.561

Station Name: 3477

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 19.41355	112 16 15.70238	.561

Station Name: 3478

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.69568	112 16 14.02720	.561

Station Name: 3479

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.75222	112 16 14.16219	.561

Station Name: 3480

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.83754	112 16 14.35423	.561

Station Name: 3481

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 25.92247	112 16 14.54788	.561

Station Name: 3482

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.01302	112 16 14.76325	.561

Station Name: 3483

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.12227	112 16 15.00354	.561

Station Name: 3484

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.22300	112 16 15.23854	.561

Station Name: 3485

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.29005	112 16 15.38857	.561

Station Name: 3486

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.31093	112 16 15.44456	.561

Station Name: 3487

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.35428	112 16 15.54002	.561

Station Name: 3488

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.39450	112 16 15.62686	.561

Station Name: 3489

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.47733	112 16 15.82307	.561

Station Name: 3490

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.53735	112 16 15.96053	.561

Station Name: 3491

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.58628	112 16 16.07812	.561

Station Name: 3492

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.66819	112 16 16.26723	.561

Station Name: 3493

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.70074	112 16 16.33713	.561

Station Name: 3494

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.71611	112 16 16.36773	.561

Station Name: 3495

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.77500	112 16 16.50357	.561

Station Name: 3496

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.84640	112 16 16.66543	.561

Station Name: 3497

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.92377	112 16 16.84505	.561

Station Name: 3498

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.00129	112 16 17.02600	.561

Station Name: 3499

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.04504	112 16 17.13073	.561

Station Name: 3500

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.11793	112 16 17.81915	.561

Station Name: 3501

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.07896	112 16 17.69085	.561

Station Name: 3502

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 27.00642	112 16 17.45287	.561

Station Name: 3503

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.94999	112 16 17.25310	.561

Station Name: 3504

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.86867	112 16 17.00049	.561

Station Name: 3505

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.80149	112 16 16.76266	.561

Station Name: 3506

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 26.73767	112 16 16.54187	.561

Station Name: 3507

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.72497	112 16 7.37008	.560

Station Name: 3508

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.66489	112 16 7.19546	.560

Station Name: 3509

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.58845	112 16 6.98205	.560

Station Name: 3510

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.51273	112 16 6.77168	.560

Station Name: 3511

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.43474	112 16 6.54562	.560

Station Name: 3512

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.35555	112 16 6.33573	.560

Station Name: 3513

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.27795	112 16 6.11798	.560

Station Name: 3514

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.20229	112 16 5.89757	.560

Station Name: 3515

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.12258	112 16 5.68142	.560

Station Name: 3516

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 44.04519	112 16 5.46526	.560

Station Name: 3517

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.97755	112 16 5.27029	.560

Station Name: 3518

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.94076	112 16 5.17062	.560

Station Name: 3519

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.87298	112 16 4.97869	.560

Station Name: 3520

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.81234	112 16 4.80719	.560

Station Name: 3521

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.73643	112 16 4.59602	.560

Station Name: 3522

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.67117	112 16 4.41850	.560

Station Name: 3523

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.64898	112 16 4.34285	.560

Station Name: 3524

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.58620	112 16 4.17857	.560

Station Name: 3525

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 43.53981	112 16 4.04119	.560

Station Name: 3526

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.52705	112 16 12.27449	.561

Station Name: 3527

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.49754	112 16 12.17347	.561

Station Name: 3528

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.44676	112 16 12.00665	.561

Station Name: 3529

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.38433	112 16 11.79268	.561

Station Name: 3530

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.36662	112 16 11.73319	.561

Station Name: 3531

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.34966	112 16 11.67985	.561

Station Name: 3532

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.31220	112 16 11.54898	.561

Station Name: 3533

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.26752	112 16 11.40169	.561

Station Name: 3534

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.20754	112 16 11.19391	.561

Station Name: 3535

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.14502	112 16 10.98425	.561

Station Name: 3536

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.08578	112 16 10.77833	.561

Station Name: 3537

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 35.04026	112 16 10.63535	.561

Station Name: 3538

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.99075	112 16 10.47296	.561

Station Name: 3539

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.93625	112 16 10.28233	.561

Station Name: 3540

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.88073	112 16 10.08688	.561

Station Name: 3541

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.86809	112 16 10.04592	.561

Station Name: 3542

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.84471	112 16 9.97242	.561

Station Name: 3543

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.78341	112 16 9.76785	.561

Station Name: 3544

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.71505	112 16 9.54715	.561

Station Name: 3545

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.65453	112 16 9.33128	.561

Station Name: 3546

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.58577	112 16 9.10501	.561

Station Name: 3547

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.52301	112 16 8.89715	.561

Station Name: 3548

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.46255	112 16 8.68497	.560

Station Name: 3549

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.41683	112 16 8.53769	.560

Station Name: 3550

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 34.40360	112 16 8.48887	.560

Station Name: 3551

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.33242	112 16 3.32659	.559

Station Name: 3552

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.32947	112 16 3.30438	.559

Station Name: 3553

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.31958	112 16 3.11479	.559

Station Name: 3554

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.30653	112 16 2.89383	.559

Station Name: 3555

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.30172	112 16 2.72554	.559

Station Name: 3556

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.29336	112 16 2.55828	.559

Station Name: 3557

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.28140	112 16 2.35920	.559

Station Name: 3558

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.27292	112 16 2.22525	.559

Station Name: 3559

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.26759	112 16 2.11933	.559

Station Name: 3560

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.26659	112 16 2.05045	.559

Station Name: 3561

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.26283	112 16 2.00171	.559

Station Name: 3562

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.25630	112 16 1.87829	.559

Station Name: 3563

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.25245	112 16 1.83364	.559

Station Name: 3564

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.24170	112 16 1.61552	.559

Station Name: 3565

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.23125	112 16 1.39616	.559

Station Name: 3566

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.21908	112 16 1.17851	.559

Station Name: 3567

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.20881	112 16 .96882	.559

Station Name: 3568

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.20020	112 16 .77548	.559

Station Name: 3569

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.19469	112 16 .68737	.559

Station Name: 3570

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.18294	112 16 .50197	.559

Station Name: 3571

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.17827	112 16 .38634	.559

Station Name: 3572

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 53.17637	112 16 .35394	.559

Station Name: 3573

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.64727	112 16 .43635	.559

Station Name: 3574

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.63084	112 16 .39890	.559

Station Name: 3575

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.59038	112 16 .27903	.559

Station Name: 3576

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.55997	112 16 .18552	.559

Station Name: 3577

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.52974	112 16 .10205	.559

Station Name: 3578

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.46105	112 15 59.89990	.559

Station Name: 3579

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.39567	112 15 59.70708	.559

Station Name: 3580

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.35019	112 15 59.57427	.559

Station Name: 3581

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.29040	112 15 59.40845	.559

Station Name: 3582

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.25604	112 15 59.31290	.559

Station Name: 3583

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.19110	112 15 59.12354	.559

Station Name: 3584

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.15388	112 15 59.02139	.559

Station Name: 3585

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.13191	112 15 58.94532	.559

Station Name: 3586

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.10871	112 15 58.88567	.559

Station Name: 3587

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.08157	112 15 58.81351	.559

Station Name: 3588

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.06078	112 15 58.75480	.559

Station Name: 3589

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.03735	112 15 58.69360	.559

Station Name: 3590

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.01639	112 15 58.63413	.559

Station Name: 3591

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 58.99840	112 15 58.56712	.559

Station Name: 3592

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 58.97828	112 15 58.51074	.559

Station Name: 3593

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 58.96629	112 15 58.48459	.559

Station Name: 3594

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.25250	112 15 58.38147	.559

Station Name: 3595

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.26599	112 15 58.42361	.559

Station Name: 3596

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.33453	112 15 58.61514	.559

Station Name: 3597

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.40252	112 15 58.81068	.559

Station Name: 3598

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.46882	112 15 59.00313	.559

Station Name: 3599

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.51897	112 15 59.14677	.559

Station Name: 3600

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.59051	112 15 59.34780	.559

Station Name: 3601

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.66298	112 15 59.56115	.559

Station Name: 3602

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.73714	112 15 59.76770	.559

Station Name: 3603

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.81290	112 15 59.98722	.559

Station Name: 3604

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.88676	112 16 .19865	.559

Station Name: 3605

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 34 59.92099	112 16 .29488	.559

Station Name: 3606

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.31862	112 15 58.74302	.559

Station Name: 3607

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.30675	112 15 58.72142	.559

Station Name: 3608

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.23696	112 15 58.59825	.559

Station Name: 3609

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.18195	112 15 58.50555	.559

Station Name: 3610

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.13497	112 15 58.41677	.559

Station Name: 3611

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.12658	112 15 58.39730	.559

Station Name: 3612

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.07380	112 15 58.30835	.559

Station Name: 3613

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.05561	112 15 58.28044	.559

Station Name: 3614

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.02684	112 15 58.22731	.559

Station Name: 3615

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.00579	112 15 58.19382	.559

Station Name: 3616

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.98318	112 15 58.15295	.559

Station Name: 3617

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.92992	112 15 58.06086	.559

Station Name: 3618

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.92366	112 15 58.04037	.559

Station Name: 3619

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.90920	112 15 58.01890	.559

Station Name: 3620

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.89634	112 15 57.99661	.559

Station Name: 3621

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.87783	112 15 57.96591	.559

Station Name: 3622

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.81554	112 15 57.84973	.559

Station Name: 3623

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.78744	112 15 57.79940	.559

Station Name: 3624

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.74881	112 15 57.73674	.559

Station Name: 3625

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.69429	112 15 57.63639	.559

Station Name: 3626

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.68377	112 15 57.61955	.559

Station Name: 3627

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.65457	112 15 57.56902	.559

Station Name: 3628

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.62476	112 15 57.51525	.559

Station Name: 3629

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.58915	112 15 57.45078	.559

Station Name: 3630

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.55426	112 15 57.38710	.559

Station Name: 3631

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.53751	112 15 57.36233	.559

Station Name: 3632

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.51665	112 15 57.32669	.559

Station Name: 3633

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.46676	112 15 57.23164	.559

Station Name: 3634

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.38747	112 15 57.09974	.559

Station Name: 3635

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.37377	112 15 57.07371	.559

Station Name: 3636

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 1.92290	112 15 56.58824	.559

Station Name: 3637

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.02592	112 15 56.72353	.559

Station Name: 3638

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.12031	112 15 56.83647	.559

Station Name: 3639

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.16750	112 15 56.89756	.559

Station Name: 3640

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.26264	112 15 57.01885	.559

Station Name: 3641

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.37166	112 15 57.15150	.559

Station Name: 3642

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.38700	112 15 57.17331	.559

Station Name: 3643

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.42225	112 15 57.21249	.559

Station Name: 3644

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.46271	112 15 57.27306	.559

Station Name: 3645

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.52171	112 15 57.34353	.559

Station Name: 3646

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.54217	112 15 57.36604	.559

Station Name: 3647

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.64917	112 15 57.50277	.559

Station Name: 3648

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.77691	112 15 57.66055	.559

Station Name: 3649

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.80027	112 15 57.69279	.559

Station Name: 3650

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.84208	112 15 57.73713	.559

Station Name: 3651

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.85639	112 15 57.76201	.559

Station Name: 3652

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.90400	112 15 57.82604	.559

Station Name: 3653

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 2.92371	112 15 57.84215	.559

Station Name: 3654

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 3.03066	112 15 57.98430	.559

Station Name: 3655

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 3.08888	112 15 58.05169	.559

Station Name: 3656

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 3.18305	112 15 58.17650	.559

Station Name: 3657

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 3.20385	112 15 58.20010	.559

Station Name: 3658

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.35243	112 15 50.84431	.558

Station Name: 3659

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.36744	112 15 50.88869	.558

Station Name: 3660

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.44130	112 15 51.08993	.558

Station Name: 3661

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.51636	112 15 51.30036	.558

Station Name: 3662

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.59274	112 15 51.50833	.558

Station Name: 3663

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.63885	112 15 51.63075	.558

Station Name: 3664

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.68756	112 15 51.77631	.558

Station Name: 3665

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.76170	112 15 51.97310	.558

Station Name: 3666

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.82122	112 15 52.14862	.558

Station Name: 3667

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.86761	112 15 52.27842	.558

Station Name: 3668

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.88736	112 15 52.32597	.558

Station Name: 3669

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.91583	112 15 52.40931	.558

Station Name: 3670

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.95509	112 15 52.51644	.558

Station Name: 3671

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.99143	112 15 52.61451	.558

Station Name: 3672

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 10.99994	112 15 52.64006	.558

Station Name: 3673

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.07579	112 15 52.84754	.558

Station Name: 3674

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.14553	112 15 53.05605	.558

Station Name: 3675

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.20224	112 15 53.20625	.558

Station Name: 3676

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.23773	112 15 53.30581	.558

Station Name: 3677

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.25904	112 15 53.35813	.558

Station Name: 3678

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.28151	112 15 53.42407	.558

Station Name: 3679

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.33276	112 15 53.56569	.558

Station Name: 3680

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.35319	112 15 53.62040	.558

Station Name: 3681

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.42639	112 15 53.82108	.558

Station Name: 3682

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.49843	112 15 54.02904	.558

Station Name: 3683

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.56904	112 15 54.22957	.558

Station Name: 3684

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.64544	112 15 54.42818	.558

Station Name: 3685

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 11.65557	112 15 54.45993	.558

Station Name: 3686

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.60748	112 15 46.98922	.557

Station Name: 3687

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.63306	112 15 47.06099	.557

Station Name: 3688

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.67582	112 15 47.16384	.557

Station Name: 3689

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.68494	112 15 47.19047	.557

Station Name: 3690

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.76474	112 15 47.40193	.557

Station Name: 3691

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.84007	112 15 47.60475	.557

Station Name: 3692

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.91177	112 15 47.79113	.557

Station Name: 3693

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 19.99098	112 15 47.99973	.557

Station Name: 3694

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.05945	112 15 48.18548	.557

Station Name: 3695

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.13453	112 15 48.37796	.557

Station Name: 3696

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.15539	112 15 48.42929	.557

Station Name: 3697

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.16184	112 15 48.45778	.557

Station Name: 3698

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.23510	112 15 48.65284	.557

Station Name: 3699

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.28786	112 15 48.78953	.557

Station Name: 3700

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.33748	112 15 48.92109	.557

Station Name: 3701

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.35614	112 15 48.97067	.557

Station Name: 3702

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.38311	112 15 49.04123	.557

Station Name: 3703

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.44621	112 15 49.20995	.557

Station Name: 3704

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.52209	112 15 49.40941	.557

Station Name: 3705

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.57949	112 15 49.56319	.557

Station Name: 3706

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.66004	112 15 49.76839	.557

Station Name: 3707

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.73393	112 15 49.97642	.557

Station Name: 3708

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.80241	112 15 50.15323	.557

Station Name: 3709

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.86838	112 15 50.32849	.557

Station Name: 3710

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.91021	112 15 50.43620	.557

Station Name: 3711

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.95819	112 15 50.56651	.557

Station Name: 3712

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 20.97468	112 15 50.60873	.557

Station Name: 3713

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.81071	112 15 48.96808	.557

Station Name: 3714

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.81094	112 15 48.90815	.557

Station Name: 3715

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.80484	112 15 48.79596	.557

Station Name: 3716

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.80335	112 15 48.58115	.557

Station Name: 3717

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.79586	112 15 48.39908	.557

Station Name: 3718

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.78940	112 15 48.19858	.557

Station Name: 3719

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.78483	112 15 47.97788	.557

Station Name: 3720

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.77431	112 15 47.76652	.557

Station Name: 3721

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.77240	112 15 47.62293	.557

Station Name: 3722

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.76853	112 15 47.49288	.557

Station Name: 3723

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.76364	112 15 47.33485	.557

Station Name: 3724

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.76025	112 15 47.18376	.557

Station Name: 3725

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.75911	112 15 47.17393	.557

Station Name: 3726

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.75622	112 15 47.13764	.557

Station Name: 3727

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.75636	112 15 47.09417	.557

Station Name: 3728

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.75079	112 15 46.95114	.557

Station Name: 3729

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.75175	112 15 46.90043	.557

Station Name: 3730

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.74803	112 15 46.84494	.557

Station Name: 3731

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.74727	112 15 46.81106	.556

Station Name: 3732

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.74208	112 15 46.72517	.556

Station Name: 3733

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.73957	112 15 46.58336	.556

Station Name: 3734

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.73969	112 15 46.56451	.556

Station Name: 3735

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.73646	112 15 46.44574	.556

Station Name: 3736

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.72948	112 15 46.22536	.556

Station Name: 3737

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.72546	112 15 46.03138	.556

Station Name: 3738

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.71446	112 15 45.81670	.556

Station Name: 3739

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.71187	112 15 45.63352	.556

Station Name: 3740

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 30.70518	112 15 45.46713	.556

Station Name: 3741

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.41603	112 15 45.07597	.556

Station Name: 3742

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.41896	112 15 45.16158	.556

Station Name: 3743

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.42096	112 15 45.24453	.556

Station Name: 3744

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.42434	112 15 45.33363	.556

Station Name: 3745

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.42764	112 15 45.52853	.556

Station Name: 3746

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.43269	112 15 45.74628	.556

Station Name: 3747

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.43284	112 15 45.80827	.556

Station Name: 3748

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.43851	112 15 45.95754	.557

Station Name: 3749

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.44364	112 15 46.14246	.557

Station Name: 3750

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.44544	112 15 46.38951	.557

Station Name: 3751

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.44833	112 15 46.55090	.557

Station Name: 3752

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.45005	112 15 46.65268	.557

Station Name: 3753

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.45070	112 15 46.68033	.557

Station Name: 3754

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.45550	112 15 46.74352	.557

Station Name: 3755

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.45634	112 15 46.89789	.557

Station Name: 3756

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.46080	112 15 46.97841	.557

Station Name: 3757

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.46395	112 15 47.00320	.557

Station Name: 3758

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.45874	112 15 47.09536	.557

Station Name: 3759

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.46605	112 15 47.20374	.557

Station Name: 3760

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.46442	112 15 47.31886	.557

Station Name: 3761

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.46962	112 15 47.44478	.557

Station Name: 3762

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.47482	112 15 47.66018	.557

Station Name: 3763

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.47857	112 15 47.85311	.557

Station Name: 3764

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.48115	112 15 48.10339	.557

Station Name: 3765

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.49008	112 15 48.33025	.557

Station Name: 3766

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 29.49536	112 15 48.57790	.557

Station Name: 3767

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.50492	112 15 44.02491	.556

Station Name: 3768

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.51241	112 15 44.06195	.556

Station Name: 3769

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.57213	112 15 44.26928	.556

Station Name: 3770

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.62318	112 15 44.44409	.556

Station Name: 3771

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.67306	112 15 44.62299	.556

Station Name: 3772

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.69089	112 15 44.68663	.556

Station Name: 3773

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.72682	112 15 44.80830	.556

Station Name: 3774

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.78712	112 15 45.00712	.556

Station Name: 3775

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.84022	112 15 45.20535	.556

Station Name: 3776

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.90010	112 15 45.41291	.556

Station Name: 3777

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.94417	112 15 45.55389	.556

Station Name: 3778

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 39.99311	112 15 45.73237	.556

Station Name: 3779

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.03465	112 15 45.88335	.556

Station Name: 3780

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.07075	112 15 45.99215	.556

Station Name: 3781

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.10047	112 15 46.10887	.556

Station Name: 3782

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.14818	112 15 46.27947	.556

Station Name: 3783

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.21465	112 15 46.50358	.556

Station Name: 3784

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.26381	112 15 46.67377	.556

Station Name: 3785

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.28110	112 15 46.73930	.556

Station Name: 3786

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.32833	112 15 46.88929	.556

Station Name: 3787

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.35372	112 15 46.98673	.556

Station Name: 3788

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.37117	112 15 47.04238	.556

Station Name: 3789

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.38536	112 15 47.10646	.556

Station Name: 3790

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.43308	112 15 47.25929	.556

Station Name: 3791

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.44737	112 15 47.31856	.556

Station Name: 3792

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 40.49987	112 15 47.49185	.556

Station Name: 3793

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.06711	112 15 40.16904	.555

Station Name: 3794

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.16799	112 15 40.35658	.555

Station Name: 3795

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.26424	112 15 40.53417	.555

Station Name: 3796

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.35462	112 15 40.69388	.555

Station Name: 3797

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.43030	112 15 40.83740	.555

Station Name: 3798

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.50335	112 15 40.97800	.555

Station Name: 3799

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.52745	112 15 41.01531	.555

Station Name: 3800

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.54609	112 15 41.05245	.555

Station Name: 3801

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.59378	112 15 41.14539	.555

Station Name: 3802

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.66145	112 15 41.26362	.555

Station Name: 3803

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.68441	112 15 41.30745	.555

Station Name: 3804

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.70372	112 15 41.34544	.555

Station Name: 3805

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.73090	112 15 41.38784	.555

Station Name: 3806

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.76329	112 15 41.45373	.555

Station Name: 3807

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.86613	112 15 41.64383	.555

Station Name: 3808

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 48.97371	112 15 41.84404	.555

Station Name: 3809

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.09355	112 15 42.05798	.555

Station Name: 3810

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.18074	112 15 42.22348	.555

Station Name: 3811

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.27236	112 15 42.39320	.555

Station Name: 3812

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.38123	112 15 42.59792	.555

Station Name: 3813

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.47573	112 15 42.76833	.555

Station Name: 3814

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.54928	112 15 42.90630	.555

Station Name: 3815

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.66322	112 15 43.11167	.555

Station Name: 3816

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.69892	112 15 43.17529	.555

Station Name: 3817

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.72891	112 15 43.24192	.555

Station Name: 3818

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.79934	112 15 43.36185	.555

Station Name: 3819

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.84849	112 15 43.45763	.555

Station Name: 3820

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 35 49.86233	112 15 43.48114	.555

Station Name: 3821

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 19.87377	112 14 16.06586	.551

Station Name: 3822

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 19.89645	112 14 16.09973	.551

Station Name: 3823

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.02118	112 14 16.23611	.551

Station Name: 3824

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.14889	112 14 16.36812	.551

Station Name: 3825

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.24158	112 14 16.48010	.551

Station Name: 3826

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.28703	112 14 16.52499	.551

Station Name: 3827

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.33929	112 14 16.58806	.551

Station Name: 3828

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.41126	112 14 16.66524	.551

Station Name: 3829

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.47834	112 14 16.73399	.551

Station Name: 3830

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.58175	112 14 16.85743	.551

Station Name: 3831

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.60531	112 14 16.87932	.551

Station Name: 3832

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.63886	112 14 16.91871	.551

Station Name: 3833

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.68694	112 14 16.97059	.551

Station Name: 3834

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.75967	112 14 17.05168	.551

Station Name: 3835

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.78707	112 14 17.07597	.551

Station Name: 3836

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.85766	112 14 17.15348	.551

Station Name: 3837

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.94594	112 14 17.25317	.551

Station Name: 3838

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.04654	112 14 17.36187	.551

Station Name: 3839

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.13123	112 14 17.46548	.551

Station Name: 3840

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.26120	112 14 17.61006	.551

Station Name: 3841

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.27702	112 14 17.63048	.551

Station Name: 3842

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.32820	112 14 17.68329	.551

Station Name: 3843

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.35709	112 14 17.71098	.551

Station Name: 3844

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.39186	112 14 17.74199	.551

Station Name: 3845

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.44042	112 14 17.80552	.551

Station Name: 3846

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.49043	112 14 17.86385	.551

Station Name: 3847

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.55246	112 14 17.92568	.551

Station Name: 3848

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.60095	112 14 17.97966	.551

Station Name: 3849

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.61390	112 14 17.99764	.551

Station Name: 3850

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.65379	112 14 18.04482	.551

Station Name: 3851

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.70631	112 14 18.09393	.551

Station Name: 3852

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.73566	112 14 18.13813	.551

Station Name: 3853

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.78237	112 14 18.17891	.551

Station Name: 3854

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.83674	112 14 18.24370	.551

Station Name: 3855

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.85643	112 14 18.26580	.551

Station Name: 3856

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.92705	112 14 18.34331	.551

Station Name: 3857

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.97225	112 14 18.39913	.551

Station Name: 3858

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.07296	112 14 18.51060	.551

Station Name: 3859

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.30758	112 14 18.26483	.551

Station Name: 3860

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.26557	112 14 18.23974	.551

Station Name: 3861

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.14491	112 14 18.10294	.551

Station Name: 3862

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 22.00343	112 14 17.94374	.551

Station Name: 3863

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.86299	112 14 17.78954	.551

Station Name: 3864

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.70952	112 14 17.61995	.551

Station Name: 3865

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.56436	112 14 17.45907	.551

Station Name: 3866

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.41898	112 14 17.29800	.551

Station Name: 3867

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.27732	112 14 17.13917	.551

Station Name: 3868

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 21.13143	112 14 16.97532	.551

Station Name: 3869

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.98646	112 14 16.81709	.551

Station Name: 3870

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.84165	112 14 16.65834	.551

Station Name: 3871

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.69566	112 14 16.49808	.551

Station Name: 3872

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.55043	112 14 16.33207	.551

Station Name: 3873

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.40686	112 14 16.17265	.551

Station Name: 3874

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.25741	112 14 16.01416	.551

Station Name: 3875

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.14203	112 14 15.88342	.551

Station Name: 3876

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.08056	112 14 15.81406	.551

Station Name: 3877

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 20.06346	112 14 15.79892	.551

Station Name: 3878

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.70677	112 14 12.57970	.551

Station Name: 3879

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.61524	112 14 12.49650	.551

Station Name: 3880

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.48602	112 14 12.39007	.551

Station Name: 3881

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.34392	112 14 12.26641	.551

Station Name: 3882

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.22138	112 14 12.16518	.551

Station Name: 3883

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.15586	112 14 12.10517	.551

Station Name: 3884

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.07257	112 14 12.03338	.551

Station Name: 3885

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 26.00432	112 14 11.97227	.551

Station Name: 3886

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.96374	112 14 11.94013	.551

Station Name: 3887

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.87845	112 14 11.86707	.551

Station Name: 3888

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.78775	112 14 11.78795	.551

Station Name: 3889

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.70838	112 14 11.71862	.551

Station Name: 3890

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.63823	112 14 11.66027	.551

Station Name: 3891

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.54043	112 14 11.57322	.551

Station Name: 3892

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.50412	112 14 11.54931	.551

Station Name: 3893

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.46203	112 14 11.51013	.551

Station Name: 3894

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.39236	112 14 11.44665	.551

Station Name: 3895

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.36044	112 14 11.41888	.551

Station Name: 3896

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.26891	112 14 11.34541	.551

Station Name: 3897

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.21920	112 14 11.30429	.551

Station Name: 3898

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.14059	112 14 11.23296	.551

Station Name: 3899

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 25.06320	112 14 11.16194	.551

Station Name: 3900

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.99162	112 14 11.10633	.551

Station Name: 3901

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.95408	112 14 11.05864	.551

Station Name: 3902

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.68862	112 14 9.98355	.551

Station Name: 3903

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.80700	112 14 10.08419	.551

Station Name: 3904

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.91383	112 14 10.17790	.551

Station Name: 3905

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.97360	112 14 10.22824	.551

Station Name: 3906

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.05012	112 14 10.29405	.551

Station Name: 3907

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.09030	112 14 10.33029	.551

Station Name: 3908

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.12813	112 14 10.36059	.551

Station Name: 3909

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.20052	112 14 10.42172	.551

Station Name: 3910

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.32849	112 14 10.48611	.551

Station Name: 3911

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.40833	112 14 10.55263	.551

Station Name: 3912

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 24.46851	112 14 10.60501	.551

Station Name: 3913

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.32314	112 14 33.84012	.551

Station Name: 3914

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.39600	112 14 33.90654	.551

Station Name: 3915

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.41858	112 14 33.92852	.551

Station Name: 3916

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.54672	112 14 34.06032	.551

Station Name: 3917

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.59188	112 14 34.10035	.551

Station Name: 3918

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.73936	112 14 34.23566	.551

Station Name: 3919

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.84874	112 14 34.35253	.551

Station Name: 3920

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.96929	112 14 34.46660	.551

Station Name: 3921

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.11590	112 14 34.61145	.551

Station Name: 3922

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.19533	112 14 34.69562	.551

Station Name: 3923

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.25264	112 14 34.74640	.551

Station Name: 3924

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.38894	112 14 34.88260	.551

Station Name: 3925

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.50652	112 14 34.98680	.551

Station Name: 3926

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.62549	112 14 35.10498	.551

Station Name: 3927

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.68558	112 14 35.17434	.551

Station Name: 3928

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.82244	112 14 35.29748	.551

Station Name: 3929

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.91305	112 14 35.38787	.551

Station Name: 3930

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.00528	112 14 35.48247	.551

Station Name: 3931

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.08974	112 14 35.56247	.551

Station Name: 3932

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.16702	112 14 35.62858	.551

Station Name: 3933

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.53043	112 14 35.23134	.551

Station Name: 3934

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.47180	112 14 35.17603	.551

Station Name: 3935

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.33480	112 14 35.03774	.551

Station Name: 3936

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.18583	112 14 34.89363	.551

Station Name: 3937

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.04691	112 14 34.75759	.551

Station Name: 3938

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.90328	112 14 34.61742	.551

Station Name: 3939

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.76384	112 14 34.48230	.551

Station Name: 3940

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.62246	112 14 34.34160	.551

Station Name: 3941

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.60567	112 14 34.32678	.551

Station Name: 3942

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.54622	112 14 34.26949	.551

Station Name: 3943

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.53639	112 14 34.26041	.551

Station Name: 3944

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.52747	112 14 34.25359	.551

Station Name: 3945

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.37728	112 14 34.10552	.551

Station Name: 3946

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.22600	112 14 33.95595	.551

Station Name: 3947

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.07690	112 14 33.81104	.551

Station Name: 3948

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.91791	112 14 33.65514	.551

Station Name: 3949

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.75639	112 14 33.49561	.551

Station Name: 3950

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.65999	112 14 33.40538	.551

Station Name: 3951

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 3.62192	112 14 33.36163	.551

Station Name: 3952

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.32852	112 14 31.92039	.551

Station Name: 3953

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.48517	112 14 32.07502	.551

Station Name: 3954

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.63346	112 14 32.21933	.551

Station Name: 3955

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.76372	112 14 32.34248	.551

Station Name: 3956

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 4.91704	112 14 32.49428	.551

Station Name: 3957

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.07700	112 14 32.64573	.551

Station Name: 3958

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.22517	112 14 32.79058	.551

Station Name: 3959

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.37660	112 14 32.93747	.551

Station Name: 3960

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.52792	112 14 33.08223	.551

Station Name: 3961

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.68018	112 14 33.23144	.551

Station Name: 3962

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.84126	112 14 33.38599	.551

Station Name: 3963

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 5.99176	112 14 33.53138	.551

Station Name: 3964

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.14683	112 14 33.68099	.551

Station Name: 3965

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.29941	112 14 33.82962	.551

Station Name: 3966

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.42924	112 14 33.95580	.551

Station Name: 3967

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 6.47361	112 14 33.99910	.551

Station Name: 3968

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.55504	112 14 32.08877	.551

Station Name: 3969

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.55188	112 14 31.87727	.551

Station Name: 3970

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.54860	112 14 31.63387	.551

Station Name: 3971

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.54443	112 14 31.47484	.551

Station Name: 3972

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.54095	112 14 31.39472	.551

Station Name: 3973

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.54232	112 14 31.23151	.551

Station Name: 3974

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53888	112 14 31.06564	.551

Station Name: 3975

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53328	112 14 30.98482	.551

Station Name: 3976

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53613	112 14 30.85875	.551

Station Name: 3977

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53648	112 14 30.78461	.551

Station Name: 3978

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53336	112 14 30.64393	.551

Station Name: 3979

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.53017	112 14 30.44140	.551

Station Name: 3980

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.52748	112 14 30.24324	.551

Station Name: 3981

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.52494	112 14 30.03444	.551

Station Name: 3982

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.52298	112 14 29.79137	.551

Station Name: 3983

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.51841	112 14 29.55854	.551

Station Name: 3984

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.51508	112 14 29.30593	.551

Station Name: 3985

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.51388	112 14 29.10783	.551

Station Name: 3986

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.50933	112 14 28.95908	.551

Station Name: 3987

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.51073	112 14 28.85164	.551

Station Name: 3988

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.50523	112 14 28.73615	.551

Station Name: 3989

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.50566	112 14 28.67811	.551

Station Name: 3990

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 13.50739	112 14 28.60709	.551

Station Name: 3991

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.52129	112 14 32.01020	.551

Station Name: 3992

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.51955	112 14 31.93684	.551

Station Name: 3993

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.51538	112 14 31.76866	.551

Station Name: 3994

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.50952	112 14 31.55061	.551

Station Name: 3995

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.50614	112 14 31.35168	.551

Station Name: 3996

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.50471	112 14 31.24577	.551

Station Name: 3997

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.50003	112 14 31.08890	.551

Station Name: 3998

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49784	112 14 31.00434	.551

Station Name: 3999

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49547	112 14 30.88614	.551

Station Name: 4000

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49723	112 14 30.83556	.551

Station Name: 4001

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49308	112 14 30.79048	.551

Station Name: 4002

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49240	112 14 30.75040	.551

Station Name: 4003

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.49327	112 14 30.61611	.551

Station Name: 4004

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.48960	112 14 30.54572	.551

Station Name: 4005

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.48587	112 14 30.43959	.551

Station Name: 4006

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.48081	112 14 30.24957	.551

Station Name: 4007

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.48038	112 14 30.13182	.551

Station Name: 4008

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.47625	112 14 30.00354	.551

Station Name: 4009

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.47185	112 14 29.78610	.551

Station Name: 4010

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.46829	112 14 29.57868	.551

Station Name: 4011

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.46463	112 14 29.39618	.551

Station Name: 4012

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.45764	112 14 29.24287	.551

Station Name: 4013

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.45738	112 14 29.16826	.551

Station Name: 4014

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.45406	112 14 29.03232	.551

Station Name: 4015

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.44994	112 14 28.88734	.551

Station Name: 4016

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.44808	112 14 28.76067	.551

Station Name: 4017

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.44580	112 14 28.63620	.551

Station Name: 4018

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 23.44273	112 14 28.52358	.551

Station Name: 4019

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.88755	112 14 25.66555	.551

Station Name: 4020

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.91147	112 14 25.68913	.551

Station Name: 4021

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 9.94589	112 14 25.72546	.551

Station Name: 4022

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.00421	112 14 25.78290	.551

Station Name: 4023

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.09832	112 14 25.86889	.551

Station Name: 4024

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.17729	112 14 25.95228	.551

Station Name: 4025

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.26319	112 14 26.03307	.551

Station Name: 4026

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.39331	112 14 26.15999	.551

Station Name: 4027

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.50442	112 14 26.27357	.551

Station Name: 4028

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.64640	112 14 26.40756	.551

Station Name: 4029

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.73992	112 14 26.49304	.551

Station Name: 4030

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.86252	112 14 26.61151	.551

Station Name: 4031

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 10.99245	112 14 26.73775	.551

Station Name: 4032

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.07242	112 14 26.81263	.551

Station Name: 4033

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.12529	112 14 26.87069	.551

Station Name: 4034

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.17058	112 14 26.91261	.551

Station Name: 4035

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.21265	112 14 26.95046	.551

Station Name: 4036

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.27652	112 14 27.00749	.551

Station Name: 4037

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.38427	112 14 27.11240	.551

Station Name: 4038

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.50912	112 14 27.23795	.551

Station Name: 4039

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.54104	112 14 27.27132	.551

Station Name: 4040

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.61162	112 14 27.33667	.551

Station Name: 4041

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.69751	112 14 27.41836	.551

Station Name: 4042

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.80940	112 14 27.53017	.551

Station Name: 4043

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 11.94957	112 14 27.66758	.551

Station Name: 4044

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 12.06262	112 14 27.77271	.551

Station Name: 4045

Latitude	Longitude	NAVD 88 - NGVD 29 (meters)
33 37 12.15990	112 14 27.86621	.551

Final Coordinate List
(Arizona State Plane, Central Zone
NAD83 and NAVD88 Datums)
For the
Land Subsidence Evaluation of the Upper Agua Fria
Levees
FCD Contract No. 99-067, Assignment 1
Portions of Tasks 3, 4 and 5
(Northern Avenue to Greenway Road)

Surveyed By;
SurvNet, Inc.
150 N. Stapley #105
Mesa, AZ 85203
(480)835-9070

Provided for:
Premier Engineering Corporation
1600 W. Broadway Rd. #165
Tempe, AZ 85282
(480)829-6000

Name	Northing	Easting	Elevation	Feature code
410	933582.567	592002.043	1095.193	RM 9
411	933562.614	590499.481	1100.589	RM 9<2>
412	938860.864	591575.097	1120.706	RM 32
413	944323.187	596937.905	1138.754	RM 35
414	949616.558	602305.536	1169.473	RM 13
415	952250.742	602329.506	1176.681	RM 58
416	954886.507	602353.159	1182.691	RM 41
417	928804.929	591069.831	1080.971	165+00E NR
418	929824.637	591009.962	1082.187	175+00E NR
419	930748.160	590957.209	1084.464	185+00E NR
420	931760.986	590964.115	1086.086	195+00E NR
421	932739.940	591161.170	1089.037	205+00E NR
422	933610.571	591393.875	1096.901	ADTBC T/W NEC OLV BRDG
423	933753.928	591604.256	1098.331	235+00E NR
424	934526.441	592243.058	1099.407	245+00E NR
425	935512.202	592193.854	1104.689	255+00E NR
426	935855.717	592089.241	1105.550	258+55E NR GRD CTRL
427	936480.886	592226.463	1106.499	265+00E NR
428	937357.030	592703.934	1113.020	275+00E NR
429	938284.126	593081.539	1114.151	285+00E NR
430	939256.452	593397.981	1117.514	295+00E NR
431	939866.986	593566.833	1119.275	302+50E NR GRD CTRL
432	940128.418	593716.946	1124.508	305+00E NR
433	940986.384	594211.842	1129.331	315+00E NR
434	941921.644	594536.190	1130.750	325+00E NR
435	942920.109	594701.094	1132.722	335+00E NR
436	943933.534	594791.312	1136.341	345+00E NR
437	928933.806	590486.371	1081.084	165+00W NR
438	929923.249	590579.755	1085.579	175+00W NR
439	930910.841	590482.321	1084.880	185+00W NR
440	931931.890	590503.689	1087.215	195+00W NR
441	932846.666	590808.641	1089.034	205+00W NR
442	933839.193	591165.888	1098.963	235+00W NR
443	934640.663	591769.991	1100.768	245+00W NR
444	935654.910	591761.212	1105.319	255+00W NR
445	935830.311	591744.844	1106.220	256+76W NR GRD CTRL
446	936640.210	591872.505	1108.657	265+00W NR
447	937491.492	592344.107	1113.010	275+00W NR
448	938414.749	592760.651	1114.296	285+00W NR
449	939285.034	593106.110	1117.440	295+00W NR
450	939952.642	593366.433	1119.062	302+16W NR GRD CTRL
451	940198.817	593498.168	1123.497	305+00W NR
452	941136.240	593860.340	1129.490	315+00W NR
453	942075.896	594192.782	1130.792	325+00W NR
454	943063.522	594335.301	1132.901	335+00W NR
455	944048.553	594463.240	1136.205	345+00W NR
456	944992.505	594814.634	1135.223	355+00W NR
457	944799.344	595113.222	1135.063	355+00E NR
458	954070.172	602278.326	1174.612	25+00S SC
459	954429.122	602771.419	1182.255	31+00S SC
460	954315.543	602052.135	1175.625	25+00N SC
461	954761.558	602533.569	1180.106	31+50N SC
462	912632.468	586208.080	1036.496	RM 3
463	952400.379	600796.584	1170.665	451+54E NR/SC

464	952480.053	600911.728	1169.939	452+60E NR/SC
465	953038.549	601443.784	1171.350	461+31E NR/SC
466	952637.377	600603.947	1170.228	451+54W NR/SC
467	952724.703	600714.820	1169.304	452+60W NR/SC
468	953426.409	600867.758	1171.926	460+00W NR/SC
469	954433.875	600886.015	1173.324	470+00W NR/SC
470	928810.790	591052.780	1066.302	SG 165+00E
471	928933.519	590501.987	1066.532	SG 165+00W
472	929822.505	590993.848	1068.655	SG 175+00E
473	929923.140	590598.102	1068.879	SG 175+00W
474	930910.427	590499.111	1070.768	SG 185+00W
475	930748.080	590940.980	1070.989	SG 185+00E
476	931761.957	590948.748	1073.055	SG 195+00E
477	931930.081	590518.733	1073.579	SG 195+00W
478	932744.941	591145.922	1076.235	SG 205+00E
479	932842.087	590823.050	1076.144	SG 205+00W
480	933770.142	591592.658	1080.781	SG 235+00E
481	933825.930	591182.111	1080.150	SG 235+00W
482	934531.858	592225.926	1084.048	SG 245+00E
483	934636.252	591788.588	1083.865	SG 245+00W
484	935502.260	592175.995	1086.710	SG 255+00E
485	935854.229	592071.732	1090.034	SG 258+55E
486	935831.888	591763.107	1090.462	SG 256+76W
487	935657.904	591781.753	1087.225	SG 255+00W
488	936486.527	592215.705	1096.137	SG 265+00E
489	936634.824	591887.405	1094.421	SG 265+00W
490	937365.493	592687.495	1096.167	SG 275+00E
491	938287.352	593066.611	1100.364	SG 285+00E
492	938411.789	592777.307	1099.722	SG 285+00W
493	937483.032	592359.750	1097.372	SG 275+00W
494	939261.826	593381.866	1102.508	SG 295+00E
495	939278.788	593123.200	1101.795	SG 295+00W
496	939874.231	593550.458	1104.770	SG 302+50E
497	939945.416	593381.384	1104.524	SG 302+16W
498	940187.863	593514.284	1106.721	SG 305+00W
499	940142.056	593702.673	1107.281	SG 305+00E
500	941129.836	593878.914	1112.095	SG 315+00W
501	940994.051	594191.498	1110.089	SG 315+00E
502	942070.689	594208.336	1116.685	SG 325+00W
503	941928.355	594520.713	1115.714	SG 325+00E
504	943062.934	594350.423	1120.739	SG 335+00W
505	942920.524	594686.828	1120.437	SG 335+00E
506	944042.813	594478.154	1123.110	SG 345+00W
507	943938.407	594778.895	1125.313	SG 345+00E
508	944988.914	594821.283	1129.906	SG 355+00W
509	944802.190	595107.425	1131.017	SG 355+00E
510	954309.349	602058.166	1168.868	SG 25+00N
511	954076.337	602272.015	1168.744	SG 25+00S
512	954441.028	602764.455	1170.652	SG 31+00S
513	954753.493	602541.279	1173.004	SG 31+50N
514	952419.038	600781.666	1149.385	SG 451+54E
515	952619.132	600618.732	1148.967	SG 451+54W
516	952714.318	600722.860	1159.504	SG 452+60W
517	952490.434	600903.816	1159.691	SG 452+60E
518	953426.047	600883.865	1162.404	SG 460+00W
519	954433.626	600894.375	1168.575	SG 470+00W
520	953049.955	601434.583	1162.750	SG 461+31E

3000	928805.682	591067.803	1080.867	TOP LEVEE
3001	929824.225	591007.944	1082.182	TOP LEVEE
3002	930748.255	590954.723	1084.317	TOP LEVEE
3003	931761.146	590961.520	1085.930	TOP LEVEE
3004	932740.938	591158.099	1088.776	TOP LEVEE
3005	933755.591	591603.209	1098.201	TOP LEVEE
3006	934527.110	592241.075	1099.311	TOP LEVEE
3007	935511.304	592192.042	1104.621	TOP LEVEE
3008	935855.507	592087.152	1105.418	TOP LEVEE
3009	936481.832	592224.744	1106.335	TOP LEVEE
3010	937357.898	592702.639	1112.888	TOP LEVEE
3011	938284.638	593079.779	1113.995	TOP LEVEE
3012	939257.127	593396.027	1117.432	TOP LEVEE
3013	939867.773	593564.936	1119.141	TOP LEVEE
3014	940129.686	593715.683	1124.410	TOP LEVEE
3015	940987.217	594209.932	1129.141	TOP LEVEE
3016	941922.292	594534.335	1130.642	TOP LEVEE
3017	942920.179	594699.523	1132.581	TOP LEVEE
3018	943934.249	594789.441	1136.229	TOP LEVEE
3019	928933.817	590489.365	1080.730	TOP LEVEE
3020	929923.274	590582.593	1085.340	TOP LEVEE
3021	930910.791	590484.624	1084.699	TOP LEVEE
3022	931931.752	590505.698	1087.042	TOP LEVEE
3023	932845.727	590811.242	1088.781	TOP LEVEE
3024	933838.465	591167.145	1098.891	TOP LEVEE
3025	934640.252	591771.525	1100.717	TOP LEVEE
3026	935655.050	591762.871	1105.236	TOP LEVEE
3027	935830.403	591746.852	1106.100	TOP LEVEE
3028	936639.664	591874.051	1108.592	TOP LEVEE
3029	937490.490	592345.956	1112.883	TOP LEVEE
3030	938414.438	592762.772	1114.091	TOP LEVEE
3031	939284.478	593107.812	1117.321	TOP LEVEE
3032	939951.663	593368.380	1118.823	TOP LEVEE
3033	940197.892	593499.693	1123.288	TOP LEVEE
3034	941135.735	593862.257	1129.258	TOP LEVEE
3035	942075.357	594194.235	1130.654	TOP LEVEE
3036	943063.507	594337.493	1132.712	TOP LEVEE
3037	944047.897	594465.012	1136.043	TOP LEVEE
3038	944991.568	594816.257	1135.042	TOP LEVEE
3039	944800.263	595111.380	1134.915	TOP LEVEE
3040	954071.438	602277.022	1174.633	TOP LEVEE
3041	954431.067	602770.383	1182.086	TOP LEVEE
3042	954314.210	602053.448	1175.563	TOP LEVEE
3043	954759.860	602535.002	1179.996	TOP LEVEE
3044	952401.747	600795.491	1170.507	TOP LEVEE
3045	952481.557	600910.687	1169.781	TOP LEVEE
3046	953040.473	601442.196	1171.175	TOP LEVEE
3047	952635.940	600605.094	1170.077	TOP LEVEE
3048	952723.130	600715.986	1169.124	TOP LEVEE
3049	953426.275	600869.553	1171.862	TOP LEVEE
3050	954433.913	600888.085	1173.037	TOP LEVEE
3051	928812.637	591048.119	1062.376	TOE LEVEE
3052	928814.757	591041.347	1061.481	GRD
3053	928820.177	591024.965	1061.938	GRD
3054	928824.880	591010.847	1061.819	GRD
3055	928830.902	590994.847	1070.376	GRD
3056	928833.322	590987.880	1067.306	GRD

3057	928838.097	590972.814	1067.609	GRD
3058	928842.683	590959.674	1068.376	GRD
3059	928848.254	590942.977	1069.194	GRD
3060	928854.077	590928.022	1072.870	GRD
3061	928855.263	590924.360	1072.731	GRD
3062	928856.644	590919.246	1071.357	GRD
3063	928858.884	590912.463	1067.740	GRD
3064	928861.722	590904.027	1067.195	GRD
3065	928865.537	590894.095	1062.098	GRD
3066	928869.099	590882.767	1062.174	GRD
3067	928875.800	590863.783	1061.892	GRD
3068	928882.221	590845.069	1061.892	GRD
3069	928889.343	590824.597	1062.244	GRD
3070	928895.901	590806.245	1062.013	GRD
3071	928902.344	590787.667	1061.823	GRD
3072	928909.466	590767.594	1061.666	GRD
3073	928933.382	590506.093	1062.480	TOE LEVEE
3074	928933.473	590515.358	1061.380	GRD
3075	928932.999	590532.419	1061.831	GRD
3076	928932.422	590547.862	1062.152	GRD
3077	928932.409	590557.557	1061.576	GRD
3078	928932.095	590577.177	1062.284	GRD
3079	928932.051	590592.992	1061.830	GRD
3080	928931.419	590613.473	1062.055	GRD
3081	928931.193	590628.976	1062.153	GRD
3082	928930.893	590631.957	1062.677	GRD
3083	928930.817	590648.709	1062.463	GRD
3084	928930.768	590658.778	1062.160	GRD
3085	928930.304	590674.176	1061.796	GRD
3086	928930.261	590677.115	1062.325	GRD
3087	928929.944	590694.717	1062.075	GRD
3088	928929.821	590702.996	1061.977	GRD
3089	928929.221	590707.656	1062.598	GRD
3090	928929.282	590718.914	1061.750	GRD
3091	928929.264	590730.195	1061.641	GRD
3092	928929.227	590735.877	1062.030	GRD
3093	928928.703	590752.300	1061.824	GRD
3094	928928.475	590759.999	1061.310	GRD
3095	928928.423	590780.210	1062.087	GRD
3096	928927.850	590802.707	1061.674	GRD
3097	929821.764	590989.426	1064.237	TOE LEVEE
3098	929820.516	590978.612	1063.424	GRD
3099	929818.937	590966.611	1064.041	GRD
3100	929817.148	590952.354	1074.740	GRD
3101	929816.063	590942.298	1070.716	GRD
3102	929815.342	590938.453	1070.279	GRD
3103	929814.735	590933.597	1068.621	GRD
3104	929813.670	590925.975	1068.704	GRD
3105	929811.585	590909.861	1068.720	GRD
3106	929808.980	590891.879	1068.580	GRD
3107	929808.163	590883.749	1070.114	GRD
3108	929806.686	590873.828	1069.594	GRD
3109	929805.300	590861.019	1064.346	GRD
3110	929803.811	590852.921	1064.074	GRD
3111	929801.741	590834.015	1063.976	GRD
3112	929799.128	590816.870	1063.773	GRD
3113	929796.606	590796.682	1063.947	GRD

3114	929794.945	590784.380	1063.941	GRD
3115	929794.624	590781.121	1064.444	GRD
3116	929794.034	590777.399	1064.064	GRD
3117	929791.386	590755.857	1064.120	GRD
3118	929788.986	590735.999	1063.880	GRD
3119	929786.007	590716.004	1063.934	GRD
3120	929783.404	590696.274	1063.874	GRD
3121	929923.047	590601.915	1064.830	TOE LEVEE
3122	929922.994	590619.574	1064.192	GRD
3123	929923.069	590636.348	1064.145	GRD
3124	929922.832	590657.546	1064.038	GRD
3125	929923.003	590677.630	1063.875	GRD
3126	929922.600	590696.924	1064.428	GRD
3127	929922.462	590717.834	1064.511	GRD
3128	929922.839	590737.886	1064.127	GRD
3129	929922.761	590756.770	1064.203	GRD
3130	929922.327	590778.305	1064.159	GRD
3131	929922.185	590797.251	1064.018	GRD
3132	929922.193	590816.614	1064.583	GRD
3133	929922.107	590824.717	1064.918	GRD
3134	929922.043	590828.323	1064.049	GRD
3135	929922.144	590840.793	1064.559	GRD
3136	929922.304	590853.296	1064.247	GRD
3137	929922.235	590864.531	1068.521	GRD
3138	929922.287	590867.889	1068.057	GRD
3139	929921.922	590879.830	1068.629	GRD
3140	929921.831	590898.223	1069.075	GRD
3141	930910.069	590503.144	1066.895	TOE LEVEE
3142	930910.306	590506.907	1066.255	GRD
3143	930909.862	590526.387	1066.154	GRD
3144	930909.304	590545.903	1066.030	GRD
3145	930908.792	590564.491	1066.826	GRD
3146	930908.491	590584.029	1067.283	GRD
3147	930907.995	590595.362	1072.950	GRD
3148	930907.609	590603.185	1076.378	GRD
3149	930907.602	590612.865	1071.366	GRD
3150	930907.174	590629.313	1072.093	GRD
3151	930906.529	590651.230	1072.114	GRD
3152	930906.383	590658.102	1073.242	GRD
3153	930906.297	590671.541	1072.879	GRD
3154	930905.847	590692.329	1074.346	GRD
3155	930905.451	590698.120	1073.081	GRD
3156	930905.426	590711.209	1073.283	GRD
3157	930904.809	590723.428	1072.930	GRD
3158	930904.514	590736.031	1074.269	GRD
3159	930904.285	590740.431	1073.307	GRD
3160	930904.108	590752.261	1073.377	GRD
3161	930903.944	590761.442	1075.615	GRD
3162	930903.601	590771.864	1075.160	GRD
3163	930903.238	590791.492	1077.152	GRD
3164	930902.549	590811.006	1066.814	GRD
3165	930748.110	590937.184	1066.727	TOE LEVEE
3166	930747.751	590929.527	1065.884	GRD
3167	930748.028	590918.308	1065.756	GRD
3168	930747.858	590910.318	1066.742	GRD
3169	930747.502	590905.801	1065.935	GRD
3170	930747.716	590886.690	1065.962	GRD

3171	930747.411	590867.022	1065.990	GRD
3172	930747.602	590850.429	1065.954	GRD
3173	930747.571	590829.577	1076.798	GRD
3174	930747.464	590823.987	1075.354	GRD
3175	930747.374	590816.243	1075.824	GRD
3176	930747.651	590804.992	1075.741	GRD
3177	930747.354	590798.795	1074.033	GRD
3178	930747.247	590783.249	1075.003	GRD
3179	930747.312	590773.177	1072.926	GRD
3180	930747.234	590760.502	1073.659	GRD
3181	930747.327	590749.652	1074.792	GRD
3182	930746.953	590737.649	1073.143	GRD
3183	930746.617	590723.814	1073.307	GRD
3184	930746.950	590711.553	1073.123	GRD
3185	930746.801	590707.268	1074.164	GRD
3186	930747.053	590700.682	1074.047	GRD
3187	930746.648	590694.142	1072.417	GRD
3188	930746.594	590672.932	1071.253	GRD
3189	930746.609	590658.973	1071.912	GRD
3190	930746.428	590645.842	1072.029	GRD
3191	930746.639	590641.270	1072.681	GRD
3192	931762.150	590944.673	1068.825	TOE LEVEE
3193	931762.495	590938.497	1068.654	GRD
3194	931763.148	590923.975	1068.672	GRD
3195	931764.469	590905.949	1068.663	GRD
3196	931765.704	590890.241	1069.443	GRD
3197	931766.220	590881.994	1069.373	GRD
3198	931766.261	590877.240	1069.525	GRD
3199	931766.621	590874.000	1068.962	GRD
3200	931766.846	590870.300	1069.244	GRD
3201	931766.840	590866.606	1068.775	GRD
3202	931767.289	590862.775	1069.062	GRD
3203	931767.629	590849.871	1068.792	GRD
3204	931768.915	590834.443	1068.640	GRD
3205	931769.678	590826.529	1071.664	GRD
3206	931769.664	590820.827	1072.846	GRD
3207	931769.608	590816.478	1072.615	GRD
3208	931770.573	590806.862	1070.531	GRD
3209	931770.421	590803.585	1070.255	GRD
3210	931771.045	590801.386	1071.108	GRD
3211	931771.229	590792.437	1071.584	GRD
3212	931772.150	590786.224	1072.545	GRD
3213	931772.297	590774.308	1072.884	GRD
3214	931773.101	590761.933	1073.874	GRD
3215	931773.850	590750.880	1074.408	GRD
3216	931774.941	590740.048	1074.216	GRD
3217	931775.093	590731.125	1073.836	GRD
3218	931775.557	590724.095	1076.406	GRD
3219	931775.926	590715.828	1077.448	GRD
3220	931776.385	590708.678	1076.671	GRD
3221	931777.328	590700.819	1077.886	GRD
3222	931777.865	590686.307	1077.060	GRD
3223	931778.615	590672.403	1076.475	GRD
3224	931778.889	590663.849	1076.151	GRD
3225	931780.166	590649.008	1077.255	GRD
3226	931929.396	590522.343	1069.482	TOE LEVEE
3227	931927.375	590540.462	1068.808	GRD

3228	931925.192	590557.789	1068.676	GRD
3229	931923.278	590573.051	1068.740	GRD
3230	931921.935	590585.653	1068.988	GRD
3231	931921.154	590592.194	1070.561	GRD
3232	931919.847	590599.004	1074.668	GRD
3233	931919.225	590606.761	1074.039	GRD
3234	931917.545	590620.718	1074.343	GRD
3235	931915.676	590635.166	1074.167	GRD
3236	931914.383	590647.650	1073.685	GRD
3237	931912.841	590659.046	1072.325	GRD
3238	931910.378	590678.510	1072.410	GRD
3239	931909.168	590688.872	1075.221	GRD
3240	931907.859	590700.652	1076.216	GRD
3241	931906.096	590714.871	1077.357	GRD
3242	931904.005	590726.942	1076.808	GRD
3243	931903.410	590730.697	1075.902	GRD
3244	931902.841	590740.230	1075.477	GRD
3245	931901.784	590747.952	1075.896	GRD
3246	931900.899	590756.761	1077.242	GRD
3247	931900.475	590763.075	1075.213	GRD
3248	931897.729	590776.158	1074.629	GRD
3249	931897.195	590786.022	1075.487	GRD
3250	931895.268	590800.145	1074.366	GRD
3251	931894.641	590804.829	1069.297	GRD
3252	931893.469	590816.027	1069.971	GRD
3253	931892.348	590823.259	1075.422	GRD
3254	932841.241	590826.726	1072.055	TOE LEVEE
3255	932838.838	590834.764	1070.917	GRD
3256	932834.254	590850.998	1071.406	GRD
3257	932829.733	590864.157	1071.737	GRD
3258	932824.302	590881.793	1071.187	GRD
3259	932819.624	590898.399	1071.554	GRD
3260	932815.178	590913.159	1071.701	GRD
3261	932810.052	590929.884	1071.592	GRD
3262	932804.425	590947.969	1071.737	GRD
3263	932799.649	590964.168	1071.579	GRD
3264	932795.844	590976.915	1071.366	GRD
3265	932791.508	590991.585	1071.306	GRD
3266	932790.221	590994.785	1070.917	GRD
3267	932785.745	591010.091	1071.415	GRD
3268	932781.503	591024.045	1071.432	GRD
3269	932776.520	591040.344	1071.298	GRD
3270	932774.198	591048.876	1071.377	GRD
3271	932772.876	591052.905	1072.112	GRD
3272	932761.352	591071.477	1071.651	GRD
3273	932764.399	591082.052	1070.589	GRD
3274	932760.170	591093.896	1071.058	GRD
3275	932756.238	591108.287	1070.931	GRD
3276	932754.090	591115.676	1070.915	GRD
3277	932750.699	591126.603	1071.074	GRD
3278	932746.598	591141.113	1071.930	GRD
3279	932746.149	591142.702	1072.685	TOE LEVEE
3280	933773.658	591590.228	1076.583	TOE LEVEE
3281	933787.525	591580.057	1075.967	GRD
3282	933803.563	591568.615	1076.041	GRD
3283	933819.814	591556.837	1076.318	GRD
3284	933835.708	591545.477	1076.229	GRD

3285	933851.548	591534.141	1076.083	GRD
3286	933867.194	591523.089	1076.097	GRD
3287	933882.095	591512.658	1076.574	GRD
3288	933898.585	591500.618	1077.185	GRD
3289	933907.249	591494.332	1076.778	GRD
3290	933917.394	591486.943	1077.211	GRD
3291	933932.591	591476.221	1076.560	GRD
3292	933948.705	591465.180	1076.295	GRD
3293	933964.935	591453.205	1076.555	GRD
3294	933970.156	591449.755	1076.330	GRD
3295	933975.951	591445.269	1077.260	GRD
3296	933986.563	591437.908	1076.586	GRD
3297	933999.456	591428.393	1076.267	GRD
3298	934014.098	591418.319	1076.301	GRD
3299	933823.161	591185.216	1076.170	TOE LEVEE
3300	933821.521	591187.720	1075.346	GRD
3301	933814.920	591195.714	1075.813	GRD
3302	933813.036	591197.899	1075.144	GRD
3303	933808.097	591204.044	1075.288	GRD
3304	933796.407	591218.502	1075.528	GRD
3305	933791.111	591225.047	1076.028	GRD
3306	933782.204	591235.796	1075.456	GRD
3307	933779.937	591238.581	1076.028	GRD
3308	933777.256	591242.055	1075.220	GRD
3309	933766.806	591254.864	1075.063	GRD
3310	933761.442	591260.945	1075.346	GRD
3311	933759.193	591264.181	1076.155	GRD
3312	933750.843	591274.290	1075.199	GRD
3313	933737.492	591290.362	1075.327	GRD
3314	933724.299	591306.373	1075.317	GRD
3315	933712.542	591321.109	1075.154	GRD
3316	933700.664	591335.493	1075.214	GRD
3317	933686.827	591352.686	1075.248	GRD
3318	933675.369	591366.919	1075.262	GRD
3319	933660.404	591384.668	1075.935	GRD
3320	933654.425	591392.415	1075.638	GRD
3321	933648.759	591399.245	1076.369	TOE LEVEE
3322	934533.168	592222.219	1079.787	TOE LEVEE
3323	934535.790	592213.321	1079.111	GRD
3324	934540.730	592197.842	1079.002	GRD
3325	934544.171	592187.169	1078.955	GRD
3326	934549.828	592169.445	1078.693	GRD
3327	934555.683	592151.174	1078.398	GRD
3328	934556.809	592147.336	1078.804	GRD
3329	934561.233	592132.631	1079.454	GRD
3330	934564.003	592124.497	1078.817	GRD
3331	934566.190	592117.915	1079.422	GRD
3332	934566.519	592115.476	1078.970	GRD
3333	934567.700	592112.206	1079.558	GRD
3334	934568.799	592109.313	1078.764	GRD
3335	934573.933	592092.114	1079.556	GRD
3336	934580.057	592073.704	1078.808	GRD
3337	934585.825	592054.251	1078.615	GRD
3338	934592.169	592035.349	1078.870	GRD
3339	934593.047	592032.383	1079.642	GRD
3340	934594.836	592026.427	1079.590	GRD
3341	934596.079	592021.850	1078.625	GRD

3342	934598.667	592014.301	1079.414	GRD
3343	934600.138	592009.770	1078.790	GRD
3344	934603.359	591999.426	1079.223	GRD
3345	934609.724	591979.321	1078.802	GRD
3346	934612.462	591970.233	1079.383	GRD
3347	934615.417	591961.318	1079.612	GRD
3348	934622.188	591939.606	1079.092	GRD
3349	934635.345	591792.311	1079.802	TOE LEVEE
3350	934634.529	591795.969	1079.036	GRD
3351	934631.932	591807.334	1079.285	GRD
3352	934629.052	591819.510	1079.156	GRD
3353	934626.296	591831.217	1079.371	GRD
3354	934622.385	591847.197	1078.767	GRD
3355	934617.440	591867.955	1079.039	GRD
3356	934613.046	591886.834	1078.948	GRD
3357	934608.549	591906.119	1078.952	GRD
3358	934603.795	591925.808	1078.903	GRD
3359	934599.498	591943.907	1079.017	GRD
3360	934597.133	591952.806	1079.625	GRD
3361	934593.935	591967.990	1078.852	GRD
3362	934590.249	591982.915	1078.884	GRD
3363	934585.586	592003.071	1078.857	GRD
3364	934582.737	592016.137	1078.545	GRD
3365	934580.442	592024.320	1079.433	GRD
3366	934578.657	592032.941	1078.846	GRD
3367	934573.009	592056.679	1078.774	GRD
3368	934567.200	592080.628	1078.829	GRD
3369	935500.888	592172.151	1082.270	TOE LEVEE
3370	935492.633	592158.785	1081.658	GRD
3371	935482.967	592141.600	1081.756	GRD
3372	935472.980	592123.077	1081.507	GRD
3373	935463.326	592106.223	1081.308	GRD
3374	935453.720	592089.031	1081.153	GRD
3375	935443.989	592071.282	1081.342	GRD
3376	935438.387	592061.517	1081.867	GRD
3377	935433.581	592052.481	1081.656	GRD
3378	935431.367	592049.616	1082.313	GRD
3379	935429.435	592045.128	1081.797	GRD
3380	935426.685	592040.440	1081.758	GRD
3381	935425.148	592037.713	1082.265	GRD
3382	935416.282	592022.175	1081.591	GRD
3383	935412.906	592015.791	1081.838	GRD
3384	935404.778	592000.782	1081.745	GRD
3385	935394.965	591983.546	1081.716	GRD
3386	935385.269	591965.694	1082.225	GRD
3387	935375.525	591948.538	1082.034	GRD
3388	935370.646	591939.570	1082.431	GRD
3389	935363.913	591927.769	1082.327	GRD
3390	935356.236	591913.842	1082.187	GRD
3391	935658.528	591786.020	1082.878	TOE LEVEE
3392	935658.860	591788.913	1082.489	GRD
3393	935660.961	591800.010	1082.820	GRD
3394	935663.846	591821.077	1082.624	GRD
3395	935666.247	591840.787	1082.476	GRD
3396	935669.316	591860.765	1082.637	GRD
3397	935672.696	591880.793	1082.676	GRD
3398	935675.053	591900.491	1082.853	GRD

3399	935678.222	591920.003	1082.767	GRD
3400	935679.578	591930.156	1081.944	GRD
3401	935680.997	591941.511	1082.224	GRD
3402	935683.309	591954.606	1082.380	GRD
3403	935683.976	591959.309	1082.372	GRD
3404	935685.878	591975.218	1082.377	GRD
3405	935686.960	591981.156	1082.361	GRD
3406	935687.882	591985.125	1082.750	GRD
3407	935687.953	591986.942	1082.300	GRD
3408	935689.550	591997.673	1082.039	GRD
3409	935690.213	592001.227	1082.607	GRD
3410	935690.790	592005.786	1082.202	GRD
3411	935691.260	592010.202	1082.655	GRD
3412	935691.929	592016.108	1081.814	GRD
3413	935693.863	592026.675	1082.688	GRD
3414	935694.454	592031.175	1081.787	GRD
3415	935695.081	592035.621	1081.803	GRD
3416	935695.595	592040.003	1082.461	GRD
3417	935696.235	592046.084	1081.463	GRD
3418	935697.954	592055.899	1082.501	GRD
3419	935701.336	592078.743	1081.666	GRD
3420	935824.147	592067.748	1082.820	TOE LEVEE
3421	935823.322	592056.321	1083.272	GRD
3422	935823.051	592053.368	1082.830	GRD
3423	935822.126	592044.819	1083.758	GRD
3424	935821.781	592041.353	1082.719	GRD
3425	935820.749	592024.543	1083.751	GRD
3426	935820.288	592019.242	1083.274	GRD
3427	935819.204	592004.471	1083.263	GRD
3428	935818.749	591995.038	1083.283	GRD
3429	935818.597	591991.905	1083.719	GRD
3430	935817.755	591982.657	1083.696	GRD
3431	935817.636	591978.420	1083.064	GRD
3432	935816.714	591970.246	1083.032	GRD
3433	935816.083	591955.482	1083.864	GRD
3434	935815.204	591942.534	1083.415	GRD
3435	935813.480	591936.096	1082.814	GRD
3436	935813.747	591925.095	1083.193	GRD
3437	935812.765	591914.733	1082.636	GRD
3438	935812.019	591902.928	1083.096	GRD
3439	935811.249	591889.669	1083.074	GRD
3440	935811.041	591886.714	1082.238	GRD
3441	935810.270	591881.354	1082.862	GRD
3442	935809.086	591869.079	1082.522	GRD
3443	935808.760	591863.276	1082.568	GRD
3444	935808.729	591857.459	1083.581	GRD
3445	935808.105	591850.682	1082.960	GRD
3446	935808.307	591845.966	1084.282	GRD
3447	935807.740	591841.612	1082.740	GRD
3448	935806.638	591829.527	1083.724	GRD
3449	935806.140	591821.112	1082.329	GRD
3450	935806.056	591811.079	1083.407	GRD
3451	935804.488	591806.887	1082.234	GRD
3452	935804.472	591799.268	1083.438	GRD
3453	935803.710	591792.033	1083.427	GRD
3454	935802.992	591783.175	1083.277	GRD
3455	935802.622	591775.568	1083.350	GRD

3456	935802.358	591771.711	1083.952	TOE LEVEE
3457	935832.011	591767.462	1085.692	TOE LEVEE
3458	935832.342	591771.394	1085.385	CNC
3459	935833.595	591790.082	1085.568	CNC
3460	935835.001	591809.790	1085.572	CNC
3461	935836.685	591829.077	1085.594	CNC
3462	935838.143	591849.663	1085.447	CNC
3463	935839.562	591869.854	1085.559	CNC
3464	935841.109	591887.823	1085.476	CNC
3465	935841.522	591894.404	1085.430	CNC
3466	935841.687	591901.228	1084.856	CNC
3467	935842.550	591911.044	1084.499	CNC
3468	935843.608	591923.788	1084.492	CNC
3469	935844.227	591934.424	1085.036	CNC
3470	935845.074	591945.886	1085.470	CNC
3471	935846.669	591968.639	1085.556	CNC
3472	935848.401	591988.916	1085.590	CNC
3473	935849.846	592009.629	1085.542	CNC
3474	935851.309	592030.059	1085.542	CNC
3475	935852.729	592048.901	1085.566	CNC
3476	935853.849	592064.300	1085.311	CNC
3477	935854.012	592067.977	1086.361	TOE LEVEE
3478	936488.476	592211.877	1091.770	TOE LEVEE
3479	936494.229	592200.476	1091.161	GRD
3480	936502.908	592184.258	1089.763	GRD
3481	936511.549	592167.904	1088.894	GRD
3482	936520.763	592149.713	1088.041	GRD
3483	936531.875	592129.421	1087.638	GRD
3484	936542.124	592109.574	1087.058	GRD
3485	936548.943	592096.904	1086.517	GRD
3486	936551.070	592092.175	1086.725	GRD
3487	936555.480	592084.113	1086.005	GRD
3488	936559.569	592076.780	1085.735	GRD
3489	936567.998	592060.209	1085.599	GRD
3490	936574.105	592048.599	1085.970	GRD
3491	936579.084	592038.667	1085.745	GRD
3492	936587.418	592022.697	1086.650	GRD
3493	936590.727	592016.794	1087.616	GRD
3494	936592.290	592014.210	1086.960	GRD
3495	936598.281	592002.738	1087.370	GRD
3496	936605.545	591989.068	1087.671	GRD
3497	936613.417	591973.899	1088.090	GRD
3498	936621.304	591958.616	1087.915	GRD
3499	936625.756	591949.771	1088.069	GRD
3500	936633.323	591891.553	1090.233	TOE LEVEE
3501	936629.347	591902.394	1088.822	GRD
3502	936621.947	591922.503	1087.845	GRD
3503	936616.185	591939.385	1087.917	GRD
3504	936607.893	591960.729	1087.836	GRD
3505	936601.034	591980.827	1087.684	GRD
3506	936594.520	591999.485	1087.375	GRD
3507	938409.889	592781.636	1095.439	TOE LEVEE
3508	938403.766	592796.389	1094.738	GRD
3509	938395.979	592814.417	1094.100	GRD
3510	938388.265	592832.188	1093.628	GRD
3511	938380.318	592851.286	1093.504	GRD
3512	938372.253	592869.015	1093.155	GRD

3513	938364.347	592887.410	1092.321	GRD
3514	938356.637	592906.030	1092.052	GRD
3515	938348.519	592924.290	1091.735	GRD
3516	938340.635	592942.550	1092.142	GRD
3517	938333.742	592959.022	1093.195	GRD
3518	938329.995	592967.441	1093.521	GRD
3519	938323.089	592983.655	1093.168	GRD
3520	938316.911	592998.143	1093.842	GRD
3521	938309.179	593015.982	1094.207	GRD
3522	938302.531	593030.977	1094.534	GRD
3523	938300.267	593037.370	1095.298	GRD
3524	938293.875	593051.246	1095.446	GRD
3525	938289.146	593062.852	1096.236	TOE LEVEE
3526	937481.648	592363.554	1093.098	TOE LEVEE
3527	937478.636	592372.091	1092.387	GRD
3528	937473.455	592386.186	1092.364	GRD
3529	937467.083	592404.267	1092.484	GRD
3530	937465.277	592409.294	1091.850	GRD
3531	937463.547	592413.801	1092.283	GRD
3532	937459.723	592424.860	1091.850	GRD
3533	937455.165	592437.306	1092.147	GRD
3534	937449.042	592454.863	1091.520	GRD
3535	937442.663	592472.580	1091.030	GRD
3536	937436.616	592489.980	1089.956	GRD
3537	937431.973	592502.061	1089.470	GRD
3538	937426.923	592515.783	1086.833	GRD
3539	937421.360	592531.891	1087.110	GRD
3540	937415.692	592548.408	1086.911	GRD
3541	937414.403	592551.869	1088.290	GRD
3542	937412.018	592558.079	1089.164	GRD
3543	937405.764	592575.365	1090.058	GRD
3544	937398.791	592594.013	1090.258	GRD
3545	937392.612	592612.255	1090.878	GRD
3546	937385.597	592631.375	1090.975	GRD
3547	937379.194	592648.939	1090.953	GRD
3548	937373.022	592666.869	1091.935	GRD
3549	937368.359	592679.313	1091.433	GRD
3550	937367.007	592683.439	1091.903	TOE LEVEE
3551	939278.702	593126.661	1098.328	TOE LEVEE
3552	939278.398	593128.539	1097.546	GRD
3553	939277.344	593144.574	1096.676	GRD
3554	939275.962	593163.262	1096.143	GRD
3555	939275.428	593177.498	1096.028	GRD
3556	939274.535	593191.645	1096.055	GRD
3557	939273.269	593208.482	1095.991	GRD
3558	939272.373	593219.810	1097.155	GRD
3559	939271.805	593228.769	1095.823	GRD
3560	939271.684	593234.596	1097.091	GRD
3561	939271.289	593238.718	1095.968	GRD
3562	939270.594	593249.157	1097.170	GRD
3563	939270.192	593252.933	1096.219	GRD
3564	939269.043	593271.382	1096.455	GRD
3565	939267.924	593289.935	1097.168	GRD
3566	939266.631	593308.344	1097.050	GRD
3567	939265.533	593326.079	1097.407	GRD
3568	939264.609	593342.432	1097.456	GRD
3569	939264.026	593349.885	1098.124	GRD

3570	939262.785	593365.565	1097.715	GRD
3571	939262.280	593375.345	1097.984	GRD
3572	939262.079	593378.085	1098.582	TOE LEVEE
3573	939916.132	593373.324	1099.493	TOE LEVEE
3574	939914.460	593376.487	1098.758	GRD
3575	939910.336	593386.614	1098.992	GRD
3576	939907.237	593394.514	1098.517	GRD
3577	939904.156	593401.564	1099.125	GRD
3578	939897.156	593418.642	1098.864	GRD
3579	939890.493	593434.932	1098.675	GRD
3580	939885.858	593446.151	1098.972	GRD
3581	939879.768	593460.159	1098.750	GRD
3582	939876.267	593468.229	1099.469	GRD
3583	939869.650	593484.227	1099.001	GRD
3584	939865.858	593492.855	1098.786	GRD
3585	939863.617	593499.283	1099.183	GRD
3586	939861.255	593504.321	1098.431	GRD
3587	939858.491	593510.417	1098.426	GRD
3588	939856.373	593515.376	1099.320	GRD
3589	939853.987	593520.545	1099.152	GRD
3590	939851.852	593525.569	1099.477	GRD
3591	939850.015	593531.231	1099.347	GRD
3592	939847.965	593535.994	1099.952	GRD
3593	939846.746	593538.202	1100.940	TOE LEVEE
3594	939875.644	593547.023	1100.504	TOE LEVEE
3595	939877.020	593543.463	1100.032	CNC
3596	939884.002	593527.284	1100.107	CNC
3597	939890.929	593510.765	1099.996	CNC
3598	939897.685	593494.507	1100.107	CNC
3599	939902.796	593482.373	1100.172	CNC
3600	939910.083	593465.391	1100.143	CNC
3601	939917.469	593447.367	1100.031	CNC
3602	939925.024	593429.920	1100.076	CNC
3603	939932.743	593411.375	1100.047	CNC
3604	939940.270	593393.515	1100.002	CNC
3605	939943.756	593385.385	1099.885	TOE LEVEE
3606	940185.647	593517.484	1102.167	TOE LEVEE
3607	940184.441	593519.307	1102.018	GRD
3608	940177.352	593529.703	1101.678	GRD
3609	940171.765	593537.526	1100.301	GRD
3610	940166.992	593545.020	1099.977	GRD
3611	940166.138	593546.665	1100.733	GRD
3612	940160.778	593554.171	1101.003	GRD
3613	940158.932	593556.526	1100.544	GRD
3614	940156.009	593561.010	1101.886	GRD
3615	940153.872	593563.837	1100.504	GRD
3616	940151.575	593567.286	1099.777	GRD
3617	940146.166	593575.059	1099.244	GRD
3618	940145.527	593576.790	1100.651	GRD
3619	940144.059	593578.601	1099.933	GRD
3620	940142.753	593580.482	1100.432	GRD
3621	940140.873	593583.073	1100.135	GRD
3622	940134.545	593592.880	1100.211	GRD
3623	940131.691	593597.128	1099.851	GRD
3624	940127.768	593602.416	1100.590	GRD
3625	940122.229	593610.886	1101.479	GRD
3626	940121.161	593612.307	1099.955	GRD

3627	940118.195	593616.571	1100.148	GRD
3628	940115.166	593621.111	1101.383	GRD
3629	940111.549	593626.552	1100.793	GRD
3630	940108.004	593631.927	1100.682	GRD
3631	940106.304	593634.016	1101.176	GRD
3632	940104.186	593637.024	1101.010	GRD
3633	940099.116	593645.048	1101.829	GRD
3634	940091.065	593656.179	1102.352	GRD
3635	940089.672	593658.377	1103.502	TOE LEVEE
3636	940145.036	593699.632	1102.930	TOE LEVEE
3637	940155.487	593688.222	1102.704	GRD
3638	940165.059	593678.700	1101.306	GRD
3639	940169.846	593673.548	1100.643	GRD
3640	940179.497	593663.320	1100.487	GRD
3641	940190.554	593652.136	1100.303	GRD
3642	940192.110	593650.297	1101.017	GRD
3643	940195.684	593646.994	1100.314	GRD
3644	940199.791	593641.884	1100.349	GRD
3645	940205.775	593635.943	1100.042	GRD
3646	940207.848	593634.045	1100.544	GRD
3647	940218.702	593622.515	1100.362	GRD
3648	940231.658	593609.211	1099.963	GRD
3649	940234.028	593606.492	1100.987	GRD
3650	940238.267	593602.755	1101.191	GRD
3651	940239.721	593600.655	1100.259	GRD
3652	940244.550	593595.255	1101.299	GRD
3653	940246.548	593593.899	1100.504	GRD
3654	940257.398	593581.910	1100.905	GRD
3655	940263.302	593576.229	1102.614	GRD
3656	940272.855	593565.703	1102.492	GRD
3657	940274.964	593563.714	1103.206	TOE LEVEE
3658	940995.395	594188.397	1106.135	TOE LEVEE
3659	940996.924	594184.648	1105.406	GRD
3660	941004.446	594167.649	1105.509	GRD
3661	941012.093	594149.874	1105.055	GRD
3662	941019.872	594132.307	1106.173	GRD
3663	941024.567	594121.967	1105.896	GRD
3664	941029.531	594109.671	1106.044	GRD
3665	941037.081	594093.049	1106.102	GRD
3666	941043.146	594078.221	1106.051	GRD
3667	941047.872	594067.257	1106.087	GRD
3668	941049.881	594063.241	1106.783	GRD
3669	941052.783	594056.201	1106.880	GRD
3670	941056.781	594047.152	1105.571	GRD
3671	941060.482	594038.869	1104.013	GRD
3672	941061.349	594036.709	1103.160	GRD
3673	941069.075	594019.184	1102.849	GRD
3674	941076.183	594001.569	1103.026	GRD
3675	941081.957	593988.884	1102.690	GRD
3676	941085.572	593980.474	1102.427	GRD
3677	941087.741	593976.054	1104.609	GRD
3678	941090.032	593970.484	1105.332	GRD
3679	941095.251	593958.522	1106.058	GRD
3680	941097.332	593953.900	1105.920	GRD
3681	941104.788	593936.949	1107.326	GRD
3682	941112.128	593919.382	1107.750	GRD
3683	941119.322	593902.443	1107.733	GRD

3684	941127.100	593885.668	1107.449	GRD
3685	941128.133	593882.985	1107.842	TOE LEVEE
3686	941929.731	594517.637	1112.265	TOE LEVEE
3687	941932.337	594511.575	1111.147	GRD
3688	941936.688	594502.890	1110.871	GRD
3689	941937.618	594500.640	1110.149	GRD
3690	941945.742	594482.780	1109.608	GRD
3691	941953.414	594465.649	1109.485	GRD
3692	941960.714	594449.907	1109.633	GRD
3693	941968.779	594432.288	1109.498	GRD
3694	941975.752	594416.599	1109.031	GRD
3695	941983.394	594400.342	1108.220	GRD
3696	941985.518	594396.008	1108.478	GRD
3697	941986.178	594393.599	1108.045	GRD
3698	941993.638	594377.124	1107.725	GRD
3699	941999.009	594365.580	1107.460	GRD
3700	942004.061	594354.468	1107.831	GRD
3701	942005.962	594350.280	1107.544	GRD
3702	942008.708	594344.320	1108.680	GRD
3703	942015.133	594330.070	1109.419	GRD
3704	942022.859	594313.223	1110.032	GRD
3705	942028.704	594300.235	1110.293	GRD
3706	942036.903	594282.904	1110.502	GRD
3707	942044.431	594265.332	1110.952	GRD
3708	942051.402	594250.399	1111.054	GRD
3709	942058.120	594235.596	1111.230	GRD
3710	942062.378	594226.499	1111.748	GRD
3711	942067.265	594215.492	1112.074	GRD
3712	942068.943	594211.927	1112.396	TOE LEVEE
3713	943062.629	594354.039	1116.997	TOE LEVEE
3714	943062.636	594359.109	1116.050	GRD
3715	943061.987	594368.596	1116.618	GRD
3716	943061.775	594386.766	1116.054	GRD
3717	943060.966	594402.164	1116.433	GRD
3718	943060.257	594419.121	1116.077	GRD
3719	943059.732	594437.789	1115.150	GRD
3720	943058.609	594455.663	1114.623	GRD
3721	943058.376	594467.808	1114.901	GRD
3722	943057.948	594478.808	1114.526	GRD
3723	943057.409	594492.173	1113.792	GRD
3724	943057.023	594504.952	1112.863	GRD
3725	943056.905	594505.783	1111.761	GRD
3726	943056.604	594508.852	1111.770	GRD
3727	943056.605	594512.529	1112.496	GRD
3728	943056.002	594524.626	1112.740	GRD
3729	943056.084	594528.915	1112.012	GRD
3730	943055.693	594533.608	1111.712	GRD
3731	943055.607	594536.473	1112.070	GRD
3732	943055.057	594543.737	1111.738	GRD
3733	943054.763	594555.731	1111.276	GRD
3734	943054.770	594557.326	1112.579	GRD
3735	943054.411	594567.371	1113.847	GRD
3736	943053.642	594586.010	1114.423	GRD
3737	943053.181	594602.417	1114.842	GRD
3738	943052.009	594620.573	1115.526	GRD
3739	943051.695	594636.066	1115.974	GRD
3740	943050.972	594650.139	1116.379	GRD

3741	942920.564	594682.790	1116.517	TOE LEVEE
3742	942920.885	594675.549	1115.970	GRD
3743	942921.110	594668.534	1116.164	GRD
3744	942921.477	594660.998	1116.453	GRD
3745	942921.866	594644.513	1115.606	GRD
3746	942922.437	594626.096	1114.752	GRD
3747	942922.470	594620.852	1114.412	GRD
3748	942923.085	594608.228	1114.711	GRD
3749	942923.656	594592.588	1113.838	GRD
3750	942923.907	594571.692	1113.302	GRD
3751	942924.245	594558.041	1112.633	GRD
3752	942924.448	594549.432	1112.057	GRD
3753	942924.521	594547.093	1111.374	GRD
3754	942925.024	594541.750	1111.178	GRD
3755	942925.153	594528.692	1110.576	GRD
3756	942925.627	594521.882	1110.953	GRD
3757	942925.953	594519.787	1111.190	GRD
3758	942925.452	594511.990	1111.612	GRD
3759	942926.222	594502.825	1112.205	GRD
3760	942926.089	594493.087	1113.055	GRD
3761	942926.650	594482.437	1114.073	GRD
3762	942927.237	594464.219	1114.195	GRD
3763	942927.670	594447.900	1115.046	GRD
3764	942928.002	594426.731	1115.299	GRD
3765	942928.969	594407.544	1115.494	GRD
3766	942929.572	594386.598	1115.835	GRD
3767	943939.975	594775.099	1121.545	TOE LEVEE
3768	943940.744	594771.969	1121.011	GRD
3769	943946.837	594754.452	1120.702	GRD
3770	943952.047	594739.683	1120.367	GRD
3771	943957.139	594724.568	1119.191	GRD
3772	943958.959	594719.191	1118.732	GRD
3773	943962.625	594708.912	1119.503	GRD
3774	943968.776	594692.114	1119.652	GRD
3775	943974.199	594675.365	1119.343	GRD
3776	943980.310	594657.829	1118.793	GRD
3777	943984.804	594645.920	1119.097	GRD
3778	943989.801	594630.839	1119.084	GRD
3779	943994.042	594618.083	1119.730	GRD
3780	943997.722	594608.892	1119.223	E/CNC
3781	944000.758	594599.029	1119.222	E/CNC
3782	944005.629	594584.615	1118.921	GRD
3783	944012.410	594565.682	1119.432	GRD
3784	944017.427	594551.303	1119.057	GRD
3785	944019.193	594545.766	1119.366	GRD
3786	944024.009	594533.095	1119.491	GRD
3787	944026.603	594524.862	1119.873	GRD
3788	944028.382	594520.161	1118.998	GRD
3789	944029.835	594514.745	1119.684	GRD
3790	944034.702	594501.834	1120.433	GRD
3791	944036.162	594496.826	1119.163	GRD
3792	944041.518	594482.186	1118.802	TOE LEVEE
3793	944804.291	595104.125	1127.061	TOE LEVEE
3794	944814.540	595088.297	1126.379	GRD
3795	944824.318	595073.309	1125.174	GRD
3796	944833.497	595059.831	1123.949	GRD
3797	944841.187	595047.717	1123.767	GRD

3798	944848.611	595035.849	1122.834	GRD
3799	944851.056	595032.701	1121.099	GRD
3800	944852.951	595029.566	1120.848	GRD
3801	944857.798	595021.721	1121.782	GRD
3802	944864.670	595011.743	1122.001	GRD
3803	944867.003	595008.044	1122.740	GRD
3804	944868.965	595004.837	1123.179	GRD
3805	944871.725	595001.260	1124.804	GRD
3806	944875.018	594995.698	1126.021	GRD
3807	944885.465	594979.654	1125.661	GRD
3808	944896.395	594962.756	1125.669	GRD
3809	944908.567	594944.701	1125.668	GRD
3810	944917.427	594930.731	1125.992	GRD
3811	944926.735	594916.407	1125.709	GRD
3812	944937.797	594899.129	1125.571	GRD
3813	944947.396	594884.747	1124.657	GRD
3814	944954.868	594873.102	1124.244	GRD
3815	944966.442	594855.770	1124.331	GRD
3816	944970.069	594850.400	1124.133	GRD
3817	944973.119	594844.775	1124.848	GRD
3818	944980.271	594834.655	1125.409	GRD
3819	944985.265	594826.570	1125.148	GRD
3820	944986.672	594824.586	1125.399	TOE LEVEE
3821	954060.564	602246.552	1162.032	TOE LEVEE
3822	954062.865	602243.695	1161.208	GRD
3823	954075.507	602232.202	1161.211	GRD
3824	954088.450	602221.080	1161.446	GRD
3825	954097.848	602211.641	1160.767	GRD
3826	954102.453	602207.859	1161.162	GRD
3827	954107.752	602202.543	1160.562	GRD
3828	954115.047	602196.039	1161.173	GRD
3829	954121.845	602190.246	1160.636	GRD
3830	954132.329	602179.841	1161.087	GRD
3831	954134.716	602177.997	1160.238	GRD
3832	954138.118	602174.677	1161.159	GRD
3833	954142.991	602170.306	1160.930	GRD
3834	954150.363	602163.472	1160.629	GRD
3835	954153.138	602161.427	1159.909	GRD
3836	954160.294	602154.895	1160.291	GRD
3837	954169.243	602146.493	1160.108	GRD
3838	954179.439	602137.334	1159.760	GRD
3839	954188.026	602128.599	1159.382	GRD
3840	954201.201	602116.415	1159.826	GRD
3841	954202.804	602114.693	1160.403	GRD
3842	954207.992	602110.244	1159.607	GRD
3843	954210.919	602107.911	1160.637	GRD
3844	954214.442	602105.300	1159.513	GRD
3845	954219.366	602099.943	1160.316	GRD
3846	954224.436	602095.027	1159.821	GRD
3847	954230.722	602089.818	1160.342	GRD
3848	954235.637	602085.269	1160.724	GRD
3849	954236.951	602083.753	1159.918	GRD
3850	954240.995	602079.776	1160.471	GRD
3851	954246.317	602075.640	1160.896	GRD
3852	954249.294	602071.911	1160.373	GRD
3853	954254.026	602068.478	1161.100	GRD
3854	954259.539	602063.017	1160.833	GRD

3855	954261.535	602061.154	1160.519	GRD
3856	954268.693	602054.622	1160.734	GRD
3857	954273.276	602049.916	1160.276	GRD
3858	954283.484	602040.523	1161.734	TOE LEVEE
3859	954307.134	602061.378	1165.069	TOE LEVEE
3860	954302.881	602063.486	1164.266	CNC
3861	954290.649	602075.016	1164.318	CNC
3862	954276.307	602088.433	1164.487	CNC
3863	954262.072	602101.427	1164.455	CNC
3864	954246.516	602115.719	1164.339	CNC
3865	954231.802	602129.277	1164.228	CNC
3866	954217.066	602142.851	1164.274	CNC
3867	954202.706	602156.236	1164.327	CNC
3868	954187.917	602170.046	1164.213	CNC
3869	954173.224	602183.380	1164.320	CNC
3870	954158.546	602196.757	1164.376	CNC
3871	954143.748	602210.263	1164.431	CNC
3872	954129.026	602224.255	1164.177	CNC
3873	954114.473	602237.689	1164.184	CNC
3874	954099.326	602251.044	1164.240	CNC
3875	954087.630	602262.063	1164.344	CNC
3876	954081.399	602267.909	1164.338	CNC
3877	954079.666	602269.183	1164.943	TOE LEVEE
3878	954750.280	602543.470	1169.205	TOE LEVEE
3879	954741.007	602550.476	1167.951	GRD
3880	954727.920	602559.435	1166.327	GRD
3881	954713.525	602569.846	1166.126	GRD
3882	954701.112	602578.368	1165.892	GRD
3883	954694.475	602583.422	1165.228	GRD
3884	954686.037	602589.466	1165.098	GRD
3885	954679.123	602594.611	1164.879	GRD
3886	954675.013	602597.317	1165.837	GRD
3887	954666.374	602603.467	1166.787	GRD
3888	954657.185	602610.129	1167.583	GRD
3889	954649.146	602615.967	1167.794	GRD
3890	954642.040	602620.878	1167.382	GRD
3891	954632.132	602628.208	1167.845	GRD
3892	954628.456	602630.219	1167.659	GRD
3893	954624.192	602633.518	1168.291	GRD
3894	954617.134	602638.864	1168.671	GRD
3895	954613.900	602641.203	1167.611	GRD
3896	954604.630	602647.386	1166.096	GRD
3897	954599.594	602650.848	1165.432	GRD
3898	954591.631	602656.855	1166.073	GRD
3899	954583.790	602662.835	1165.125	GRD
3900	954576.541	602667.515	1164.695	GRD
3901	954572.734	602671.536	1165.021	GRD
3902	954444.550	602762.046	1166.458	TOE LEVEE
3903	954456.541	602753.573	1166.387	GRD
3904	954467.363	602745.683	1165.839	GRD
3905	954473.417	602741.445	1167.096	GRD
3906	954481.168	602735.904	1167.670	GRD
3907	954485.239	602732.853	1167.319	GRD
3908	954489.070	602730.303	1166.251	GRD
3909	954496.403	602725.156	1167.127	GRD
3910	954509.354	602719.752	1166.387	GRD
3911	954517.441	602714.152	1165.858	GRD

3912	954523.537	602709.741	1164.958	GRD
3913	952392.446	600738.337	1145.337	TOE LEVEE
3914	952399.827	600732.743	1143.950	GRD
3915	952402.115	600730.892	1143.821	GRD
3916	952415.103	600719.788	1144.260	GRD
3917	952419.677	600716.417	1144.331	GRD
3918	952434.620	600705.022	1143.604	GRD
3919	952445.706	600695.174	1143.665	GRD
3920	952457.921	600685.567	1143.520	GRD
3921	952472.778	600673.365	1143.520	GRD
3922	952480.828	600666.272	1143.689	GRD
3923	952486.635	600661.997	1143.114	GRD
3924	952500.446	600650.523	1143.336	GRD
3925	952512.359	600641.748	1143.274	GRD
3926	952524.415	600631.793	1143.697	GRD
3927	952530.506	600625.948	1143.618	GRD
3928	952544.373	600615.578	1143.691	GRD
3929	952553.555	600607.963	1143.518	GRD
3930	952562.902	600599.993	1143.210	GRD
3931	952571.460	600593.255	1143.181	GRD
3932	952579.289	600587.690	1144.686	TOE LEVEE
3933	952615.914	600621.396	1144.784	TOE LEVEE
3934	952609.973	600626.055	1144.396	CNC
3935	952596.089	600637.705	1144.335	CNC
3936	952580.993	600649.844	1144.602	CNC
3937	952566.917	600661.303	1144.582	CNC
3938	952552.362	600673.111	1144.560	CNC
3939	952538.232	600684.492	1144.463	CNC
3940	952523.905	600696.345	1144.253	CNC
3941	952522.204	600697.592	1143.257	CNC
3942	952516.180	600702.419	1143.331	CNC
3943	952515.185	600703.182	1143.538	CNC
3944	952514.281	600703.757	1144.338	CNC
3945	952499.061	600716.229	1144.826	CNC
3946	952483.731	600728.829	1144.904	CNC
3947	952468.623	600741.036	1144.925	CNC
3948	952452.511	600754.168	1144.702	CNC
3949	952436.144	600767.607	1144.633	CNC
3950	952426.376	600775.206	1144.640	CNC
3951	952422.517	600778.894	1144.545	TOE LEVEE
3952	952493.551	600900.992	1154.867	TOE LEVEE
3953	952509.425	600887.967	1154.536	CNC
3954	952524.452	600875.810	1154.496	CNC
3955	952537.650	600865.438	1154.588	CNC
3956	952553.187	600852.650	1154.689	CNC
3957	952569.395	600839.895	1154.730	CNC
3958	952584.409	600827.693	1154.677	CNC
3959	952599.754	600815.320	1154.649	CNC
3960	952615.087	600803.127	1154.701	CNC
3961	952630.516	600790.558	1154.746	CNC
3962	952646.838	600777.541	1154.799	CNC
3963	952662.088	600765.294	1154.786	CNC
3964	952677.801	600752.693	1154.754	CNC
3965	952693.262	600740.172	1154.746	CNC
3966	952706.418	600729.544	1154.593	CNC
3967	952710.914	600725.897	1154.722	TOE LEVEE
3968	953426.145	600889.688	1158.494	TOE LEVEE

3969	953425.771	600907.571	1158.954	GRD
3970	953425.374	600928.152	1158.807	GRD
3971	953424.911	600941.598	1158.706	GRD
3972	953424.537	600948.371	1158.184	GRD
3973	953424.632	600962.173	1158.169	GRD
3974	953424.241	600976.198	1157.471	GRD
3975	953423.653	600983.030	1157.264	GRD
3976	953423.908	600993.692	1157.336	GRD
3977	953423.924	600999.960	1157.114	GRD
3978	953423.570	601011.856	1157.514	GRD
3979	953423.195	601028.980	1157.758	GRD
3980	953422.870	601045.735	1157.790	GRD
3981	953422.557	601063.391	1157.820	GRD
3982	953422.295	601083.944	1157.971	GRD
3983	953421.771	601103.630	1157.728	GRD
3984	953421.368	601124.989	1157.436	GRD
3985	953421.193	601141.740	1157.551	GRD
3986	953420.695	601154.317	1157.360	GRD
3987	953420.807	601163.402	1156.670	GRD
3988	953420.221	601173.166	1156.761	GRD
3989	953420.248	601178.075	1157.071	GRD
3990	953420.404	601184.080	1156.574	GRD
3991	954433.442	600899.501	1164.608	TOE LEVEE
3992	954433.247	600905.704	1164.284	GRD
3993	954432.780	600919.923	1164.161	GRD
3994	954432.130	600938.358	1163.687	GRD
3995	954431.735	600955.178	1163.894	GRD
3996	954431.563	600964.133	1163.900	GRD
3997	954431.048	600977.396	1163.272	GRD
3998	954430.804	600984.545	1162.572	GRD
3999	954430.533	600994.539	1162.146	GRD
4000	954430.698	600998.817	1161.767	GRD
4001	954430.266	601002.627	1161.408	GRD
4002	954430.186	601006.016	1161.841	GRD
4003	954430.240	601017.371	1161.325	GRD
4004	954429.849	601023.322	1161.889	GRD
4005	954429.444	601032.295	1164.788	GRD
4006	954428.883	601048.361	1164.718	GRD
4007	954428.808	601058.317	1165.506	GRD
4008	954428.356	601069.163	1166.342	GRD
4009	954427.854	601087.548	1166.637	GRD
4010	954427.439	601105.085	1167.048	GRD
4011	954427.021	601120.515	1167.309	GRD
4012	954426.273	601133.476	1167.791	GRD
4013	954426.227	601139.785	1168.102	GRD
4014	954425.855	601151.278	1169.542	GRD
4015	954425.400	601163.536	1171.424	GRD
4016	954425.179	601174.247	1174.309	GRD
4017	954424.915	601184.770	1176.393	GRD
4018	954424.575	601194.292	1176.906	GRD
4019	953053.759	601431.669	1158.666	TOE LEVEE
4020	953056.182	601429.683	1158.464	GRD
4021	953059.670	601426.622	1158.590	GRD
4022	953065.580	601421.783	1158.119	GRD
4023	953075.115	601414.541	1158.133	GRD
4024	953083.119	601407.515	1157.994	GRD
4025	953091.823	601400.711	1158.183	GRD

4026	953105.008	601390.020	1158.084	GRD
4027	953116.268	601380.450	1157.738	GRD
4028	953130.654	601369.165	1156.998	GRD
4029	953140.128	601361.967	1156.153	GRD
4030	953152.552	601351.988	1155.302	GRD
4031	953165.717	601341.354	1155.340	GRD
4032	953173.819	601335.047	1154.876	GRD
4033	953179.179	601330.155	1155.113	GRD
4034	953183.767	601326.625	1155.939	GRD
4035	953188.030	601323.437	1156.038	GRD
4036	953194.500	601318.635	1156.426	GRD
4037	953205.419	601309.797	1156.905	GRD
4038	953218.071	601299.220	1156.731	GRD
4039	953221.306	601296.409	1156.479	GRD
4040	953228.457	601290.906	1157.076	GRD
4041	953237.160	601284.025	1157.141	GRD
4042	953248.499	601274.606	1156.861	GRD
4043	953262.702	601263.031	1156.904	GRD
4044	953274.157	601254.177	1157.129	GRD
4045	953284.014	601246.302	1157.216	GRD

1 ~~10 E~~ DONE

2 DONE

3 DONE

4 45+, 55+ (E)

5 65+, 75+, 85+, 95+ (E) : MISSING 75+

6 65+, 75+, 85+, 95+ (W)

7 105+, 115+, 125+, 135+ (E)

8 105+, 115+, 125+, 135+ (W)

9 145+, 155+ (E)

10 145+, 155+ (W)

Missing

11 DONE

12 DONE

13 DONE (235 245 255 E)

14 265+, 275+, 285+ (E+W) (MISSING E+W 265+ ONLY)

15 DONE (302+50, 305 E)

16 DONE (335+)

17 DONE

18 DONE (461+31 E)

19 DONE

SCOPE OF SERVICE
For
SURVEYING FOR THE
LAND SUBSIDENCE EVALUATION OF THE UPPER AGUA FRIA RIVER LEVEE'S
AND FOR THE LEVEE MONITORING
CAMELBACK RANCH SOUTH LEVEE,
CAMELBACK RANCH NORTH, GLENDALE AIRPORT LEVEE,
NEW RIVER LEVEE'S,
AND FOR SKUNK CREEK LEVEE

FCD Contract No. 99-067, Assignment #1
(PCN: 403.00.098)
February 15, 2000

GENERAL

Land Subsidence Evaluation of the Upper Agua Fria River Levee's, including a determination of Elevations at sites within the new MCDOT Primary and Secondary Control System.
With the known land subsidence in parts of the west valley between the White Tanks Mountains and the Agua Fria River, the issue has been made as to the effect of this subsidence on the Levee's along the Agua Fria River. During the Dysart Drain Improvement Project, Channel Improvements, Channel Horizontal Control Plan, by Wood, Patel & Associates, Inc under Flood Control District Contract N0. 94-38, it was determined that **Bench Marks 1 & 2** shown on Sheet G03 of 7 (copy enclosed), were not affected by subsidence and were used for the design.

The Maricopa County Department of Transportation (MCDOT) is in the process of setting a Primary and Secondary Control System for the County. Those designated Primary Control have been installed and have been surveyed for Horizontal Control but not for Vertical. Those designated Totalinstalled.dbf have been installed but not surveyed.

A survey is required to evaluate the effects of the subsidence of the Agua Fria Levee's, thus a survey needs to be performed using the above mentioned Bench Marks 1 & 2 as the starting point for Elevation and checking Bench Marks and Reference Marks used along the Agua Fria River. Also, the elevations need to be determined for nine (9) sites from the Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System.

Levee Monitoring Program
A series of Brass Tablets have been set at various stations along the top of the following Levee's (See Enclosures (N)).

1.) Camelback Ranch Levee South on the East side of the Agua Fria River, between Indian School Road and Camelback Road.
2.) Camelback Ranch North, Glendale Airport Levee on the East side of the Agua Fria River and New River, north of Camelback Road.
3.) New River on both the east and west banks between Bethany Home Road and Olive Avenue.
4.) New River on both the east and west banks between Olive Avenue and the north side of Grand Avenue.
5.) New River on both the east and west banks between Thunderbird and Greenway Roads near the entrance of Skunk Creek.
6.) Skunk Creek near the mouth at 83rd Avenue.

Each Brass tablet is stamped with the station designation for that Levee. Directly below these Brass Tablets, except for the Camelback Ranch North, Glendale Airport Levee, approximately 4 feet above the channel bed, a Rod with a Square Cap has been inserted horizontally into the face of the Levee.

A survey is required to determine the elevations of the Brass Tablets and the center of the top of the Cap of the Horizontal Rod as well as other items listed below. The alignment for the distances described in Task 4 and 5, should be the alignment from the center of the Brass Tablet to the center of the Cap on the horizontal rod. Distances along the Levees between Structures shown on the as built drawings and the Brass Tablets will need to be determined so that a check of the actual locations can be made. All work under this scope should be completed within 60 days of Notice to Proceed plus 60 days for Flood Control District Review.

TASK 1 – Field Survey –Agua Fria Levee Subsidence & MCDOT Primary & Secondary Control system

1.1 All survey work shall meet or exceed Federal Emergency Management Agency (FEMA) minimum criteria as defined in FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors, January 1995.

1.2 Surveys will be based on National Geodetic Vertical Datum (NGVD) 1929, per FEMA guidelines. A conversion factor, including documentation of how it was derived, will be provided by the consultant to allow comparison of NGVD 29 elevations to NAVD 88 elevations and will be included in the Survey report.

1.3 The survey will be started from BENCH MARKS 1, & 2 as described on Sheet G03 of 7 of the Dysart Drain Improvement Project, Channel Improvements, Channel Horizontal Control Plan, by Wood, Patel & Associates, Inc., under Flood Control District Contract No. 94-38.

1.4 The survey will be used to check the Elevations given for:

1.4.1 ERM's 9, 10, 11, & 12 for Reaches 1 & 2 and for stations 60+00W, and 57+00E for Reach 1 and for stations 184+00W, 184+00E, 130+00W and 135+00E for Reach 2, as shown on sheet 1 of 19 for Reaches 1 and 2 of the Agua Fria River Reach Levee Monitoring by the WLB Group under Flood Control District Contract 98-20, Assignment #2. The descriptions of the locations are shown on sheets 7 – 9 of 45 from the Agua Fria River Floodplain Delineation Re-Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 95-5.

1.4.2 ERM's 6, & 7 and stations 90+09W, 97+06E, 22+90W, 22+90E, 10+00W, and 10+00E for Reach 3 as shown on sheet 1 of 14 for Reaches 2 and 3 of the Agua Fria River Reach Levee Monitoring, by the WLB Group under Flood Control District Contract 98-20, Assignment #2. The descriptions of the locations are shown on sheets 6 & 7 of 45 from the Agua Fria River Floodplain Delineation Re-Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 95-5.

1.4.3 The elevations will also be determined for three (3) of the Primary Control Sites (LITE, LITCHFIELD, & NORT) as well as for six (6) of the Totalinstalled.dbf sites (1GC1, 1FB1, 1EA1, 4DB1, 4CA4, & 4BB1) from the Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System for the County. See the enclosed SECONDARY CONTROL INSTALLATION STATUS MAP for the location of these sites. The description and location are described for each in enclosure R.

TASK 2 – Deliverables –Agua Fria Levee Subsidence & MCDOT Primary & Secondary Control system

2.1 Two (2) copies of a Technical Data Notebook (TDN). Sealed by an Arizona Registered Land Surveyor or Professional Engineer, for the survey work performed.

2.1.1 The Technical Data Notebook should include a Summary and History of Bench Marks 1 & 2 from which the survey was begun.

2.1.2 The Technical Data Notebook should include a summary for all Reference Marks surveyed, of the previously determined elevations, the elevations determined from this survey, and any differences.

2.1.3 The Technical Data Notebook should include a copy of summary elevation described in 2.1.2 above in Microsoft Excel computer format (see Enclosure S).

2.2 Two (2) sets of complete, Wet-Sealed, survey notes shall be submitted in a Survey Notebook format.

TASK 3 – Field Survey – Levee Monitoring Program

3.1 All survey work shall meet or exceed Federal Emergency Management Agency (FEMA) minimum criteria as defined in FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors, January 1995.

3.2 Surveys will tie into State Plane Coordinate System 1983 NAD. Surveys will be based on National Geodetic Vertical Datum (NGVD) 1929, per FEMA guidelines. A conversion factor, including documentation of how it was derived, will be provided by the consultant to allow comparison of NGVD 29 elevations to NAVD 88 elevations and will be included in the Survey report.

3.3 The survey will be started from BENCH MARKS 1, & 2 as described on Sheet G03 of 7 of the Dysart Drain Improvement Project, Channel Improvements, Channel Horizontal Control Plan, by Wood, Patel & Associates, Inc., under Flood Control District Contract No. 94-38.

3.4 ERM's 14, 15, 17, 19, & 20 which are shown on sheets 10 – 14 of 45 from the Agua Fria River Floodplain Delineation Re-Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 95-5, will also be tied to the survey.

3.5 Reference Marks 6, 7, & 9 shown on the Camelback Ranch South Levee, prepared by DMJM Arizona Inc for the Flood Control District project FCD 97-18, will also be tied to the survey.

3.6 Reference Marks 1, 2, & 10 shown on the Camelback Ranch North Glendale Airport Levee, prepared by DMJM Arizona Inc for the Flood Control District project FCD 98-37, will also be tied to the survey.

3.7 Reference Marks 8, 9, 13, 25, 30, 32, 33, 35, 38 41, & 58 described in Attachment P and shown on the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19, will also be tied to the survey.

3.8 Reference Marks 3 & 18 described in Attachment P for the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19, will also be tied to the survey.

3.9 RM's 2 - 4, 6 – 8, & 10 - 13 (if they are readably locatable), shown on the New River & Skunk Creek Floodplain Delineation Maps, by Coe & Van Loo Consultants, Inc. under Flood Control District Contract 89-30, will also be tied to the survey.

3.10 The Location and Elevations of all Reference Markers (Brass Tablets) located on any of the Bridges within the study reaches shall be located, described, and tied into the survey. They must also be listed in the tabulation of the data.

3.11 The Locations, Elevations (E0), and Distances between all Brass Tablets located along the Levee shall be determined by this survey.

TASK 4 – Levee Monitoring Sites

4.1 The Locations, Elevations, and Distances for the entire Levee Monitoring sites shall be surveyed from the Brass Tablet (E0) for the following information (see Enclosure (N), Example A). There are approximately 80 sites of which 4 are at Grade Control Structures.

4.2 Elevation (E1) and Distance (x1) of the top of the Levee at the edge of the Levee face.

4.2.1 For sites with an access road between top and location rod with cap, (see Enclosure (N), Example B): Elevation (E1a) and Distance (x1a) to the point where the upper face of the levee connects to the access road.

4.2.2 For sites with an access road between top and location rod with cap, (see Enclosure (N), Example B): Elevation (E1b) and Distance (x1b) to the point where the access road connects to the lower face of the levee.

4.3 Elevation (E2) and Distance (x2) of the center of the top of the cap located on the horizontal rod approximately 4 feet above the channel bed except for the Camelback Ranch North, Glendale Airport Levee Which does not have Caps.

4.4 Elevation (E3) and Distance (x3) to the face of the Levee at the channel bed.

TASK 5 – Channel Bed

5.1 The Elevation's (E3 + (0 to 300)) and Distance's (x3 + (0 to 300)) of the channel bed for 300 feet from the Levee face at the bed.

5.2 In general the Elevations and Distances will be at 20-foot increments.

5.3 If there is a large change in elevation (approximately 1 foot or greater), the Elevation and Distance, should be surveyed for both the top and bottom of the break.

5.4 If the section is at a Grade Control Structure, the Elevations should be determined at 20-foot increments across the entire channel width.

5.5 At a Grade Control structure, another survey of the channel bed should be made 30 feet downstream from the section at the Grade Control Structure, except for the Grade Control Structure at station 451+54 on the New River below Skunk Creek where the second cross section should be 50 feet downstream. This should be done for the entire width of the channel at 20-foot increments, but should not include the Levee face on either bank.

TASK 6 – Deliverables – Levee Monitoring Program

The following Levees to be delivered as independent packages based on Tasks 6.1 to 6.4 below:

A. Camelback Ranch South Levee, East Bank
B. Camelback Ranch North, Glendale Airport Levee, East Bank.
C. New River Levee From Bethany Home Road to Olive Avenue for both East and West Banks.
D. New River Levee From Olive Avenue to Grand Avenue for both East and West Banks.
E. New River Levee near Skunk Creek, between Thunderbird Road and Greenway Road for both East and West Banks.
F. Skunk Creek Levee near the Mouth at 83rd Avenue for both South and North Banks.

6.1 For each of the levee's two (2) copies of a Technical Data Notebook (TDN), Sealed by an Arizona Registered Land Surveyor or Professional Engineer, for the survey work performed. For each TDN the following should be included.

6.1.1 A summary of Reference Mark data, in Microsoft Excel computer format (see Enclosure S).

6.1.2 A set of the CADD information used to prepare the drawings in 6.3 below, in computer format.

6.2 For each of the levee's two (2) sets of complete, Wet-Sealed, survey notes shall be submitted in a Survey Notebook format.

6.3 For each of the levee's prepare CADD drawings of information collected from the survey. The drawings should be prepared similar to those prepared by WLB for Reach 4 of the Agua Fria River under contract FCD N0. 98-20, Assignment #1. The drawings need to be appropriately sealed by an Arizona Registered Land Surveyor. Following items need to be included in the drawings:

6.3.1 For each of the levee's, plot the cross-section data collected from the survey work.

6.3.2 For each of the levee's, the location and elevations of existing Reference Markers and all levee monitoring Brass Tablets with tie-in to the as-built drawings.

6.3.3 For each of the levee's, the top of the levee at the levee face.

6.3.4 For each of the levee's, except the Camelback Ranch North, Glendale Airport Levee, the elevation of the Cap of the horizontal rods.

6.3.5 For each of the levee's, the channel bed at the face of the levee.

6.3.6 For each of the levee's, the toe down of the levee (from the As-Built drawings) for each of the Levee Monitoring sites.

6.3.7 For each of the levees, a pre-final submittal should be made on vellum for review.

6.4 For the final submittal, each of the levee's, two (2) sets of hardcopy (mylar) plots of the CADD drawings prepared in Task 6.3 shall be submitted. The final Mylars shall be stamped and sealed by an Arizona Registered Land Surveyor or Professional Engineer

ENCLOSURES

(A) Sheet G03 of 7 of the Dysart Drain Improvement Project, Channel Improvements, Channel Horizontal Control Plan, by Wood, Patel & Associates, Inc., under Flood Control District Contract No. 94-38.

(B) Sheets 1 of 19 for Reaches 1 and 2 of the Agua Fria River Reach Levee Monitoring by the WLB Group under Flood Control District Contract 98-20, Assignment #2

(C) Sheets Sheet 1 of 14 for Reaches 2 and 3 of the Agua Fria River Reach Levee Monitoring, by the WLB Group under Flood Control District Contract 98-20, Assignment #2.

(D) Sheets 6 to 14 of 45 from the Agua Fria River Floodplain Delineation Re-Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 95-5. These show the locations and descriptions for the ERM's.

(E) Sheet 7, 9 and 10 of 34 of the As Built drawings of the Camelback Ranch South Levee, prepared by DMJM Arizona Inc for the Flood Control District project FCD 97-18. These show stationing, structures and assumed locations of Levee monitoring sites.

(F) Sheet 7, &12 to 14 of 35 of the As Built drawings of the Camelback Ranch North, Glendale Airport levee prepared by DMJM Arizona Inc for the Flood Control District project FCD 97-18. These show stationing, structures and assumed locations of Levee monitoring sites.

(G) Sheets 3, 5, 11, & 13 of 111 from the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19. These show locations of reference marks.

(H) Sheets 2N, 5N, 10N, 14N, 18N, & 20N to 22N of 22N and 1S of 3S from the New River & Skunk Creek Floodplain Delineation Study, by Coe and Van Loo Consultants, Inc. under Flood Control District Contract 89-30. These show the locations for the RM's.

(I) Sheets 11 to 19 of 48 of the As Built drawings of the New River Channelization from Bethany Home Road to Olive Avenue, prepared by Coe & Van Loo Consulting Engineers, Inc. These show stationing, structures and assumed locations of Levee monitoring sites.

(J) Sheets 6 to 14 of 60 of the As Built drawings of the New River Improvements from Olive Avenue to Grand Avenue, prepared by the U.S. Army Corps of Engineers, spec. N0. DACW09-88-R0001. These show stationing, structures and assumed locations of Levee monitoring sites.

(K) Sheets 17 & 18 of 18 of the As Built drawings of the New River Improvements near the mouth of Skunk Creek, prepared by Wood, Patel & Associates, Inc. for the Flood Control District under project FCD 94-04. These show stationing, structures and assumed locations of Levee monitoring sites.

(L) Sheets 6 & 7 of 40 of the As Built drawings for the 83rd Avenue Bridge, prepared by Dibble & Associates under project FCD 89-48. These show stationing, structures and assumed locations of Levee monitoring sites.

(M) Sheets 1 – 16 of 16 of the Agua Fria River Reach 4, Levee Monitoring, by WLB Group, under Flood Control District Contract 98-20, Assignment #1.

(N) List of the Levee stations where monitoring sites are located.

1.) Camelback Ranch South Levee for the East Bank
2.) Camelback Ranch North, Glendale Airport Levee for the East Bank.
3.) New River Levee from Bethany Home Road to Olive Avenue for the East Bank.
4.) New River Levee from Bethany Home Road to Olive Avenue for the West Bank.
5.) New River Levee from Olive Avenue to Grand Avenue for the East Bank.
6.) New River Levee from Olive Avenue to Grand Avenue for the West Bank.
7.) New River Levee near Skunk Creek for the East and West Banks.
8.) Skunk Creek Levee near the mouth, at 83rd Avenue for South and North Banks.

(O) Sketch showing the location of information required at monitoring sites.

(P) Table and Map of Reference Points with Elevations and State Plane Coordinates from the Arizona Canal Diversion Channel Area Drainage Master Study, Phase 1, by Kaminski Hubbard Engineering, Inc. under Flood Control District Contract 90-19.

(Q) Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System's SECONDARY CONTROL INSTALLATION STATUS MAP.

(R) The description of three (3) of the Primary Control Sites (LITE, LITCHFIELD, & NORT), as well as for six (6) of the Totalinstalled.dbf sites (1GC1, 1FB1, 1EA1, 4DB1, 4CA4, & 4BB1) from the Maricopa County Department of Transportation (MCDOT) Primary and Secondary Control System.

(S) Sample of Microsoft Excel format for presenting information for Reference Marks.

NEW RIVER LEVEE - BETHANY HOME ROAD TO OLIVE AVENUE								**WEST BANK**							
SCOUR/ FILL MONITORING STATION MARKERS (MONUMENT)															
Bethany home Rd. alignment		Top of Berm		Top of Levee				**Crest Marker**		**Hortizontal Marker**					
Station Numbers		Survey	As-Built	As Built				***Completion Date***		***Completion Date***					
65+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
75+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
85+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
95+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
Glendale Ave.															
105+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
115+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
125+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
135+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
145+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
155+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
Northern Ave.															
165+00		1080.7	1078.9	1049.3				3/1/99 - 7/20/99		3/1/99 - 7/20/99					
175+00		1085.3	1080.0	1052.0				3/1/99 - 7/20/99		3/1/99 - 7/20/99					
185+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
195+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
205+00								3/1/99 - 7/20/99		3/1/99 - 7/20/99					
OLIVE Ave.															

NEW RIVER LEVEE - BETHANY HOME ROAD TO OLIVE AVENUE EAST BANK

SCOUR/ FILL MONITORING STATION MARKERS (MONUMENT)

Bethany home Rd. alignment	Toe of Levee		Top of Levee	**Crest Marker**	**Hortizontal Marker**
Station Numbers	Survey	As-Built	As Built	***Completion Date***	***Completion Date***
45+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
55+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
65+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
75+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
85+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
95+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
Glendale Ave.					
105+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
115+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
125+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
135+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
145+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
155+00				3/1/99 - 7/20/99	3/1/99 - 7/20/99
Northern Ave.					
165+00 ✓	1080.9	1079.0	1049.7	3/1/99 - 7/20/99	3/1/99 - 7/20/99
175+00 ✓	1082.2	1082.1	1052.0	3/1/99 - 7/20/99	3/1/99 - 7/20/99
185+00 ✓				3/1/99 - 7/20/99	3/1/99 - 7/20/99
195+00 ✓				3/1/99 - 7/20/99	3/1/99 - 7/20/99
205+00 ✓				3/1/99 - 7/20/99	3/1/99 - 7/20/99
OLIVE Ave.					

NEW RIVER LEVEE - OLIVE AVENUE TO GRAND AVENUE EAST BANK

SCOUR/ FILL MONITORING STATION MARKERS (MONUMENT)

OLIVE Ave.

STATION NUMBERS		Crest Marker COMPLETION DATE	Hortizontal Marker COMPLETION DATE
235+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
245+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
255+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
258+55	GRADE CONTROL	3/1/99 - 7/20/99	3/1/99 - 7/20/99
265+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
275+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
285+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
PEORIA AVE.			
295+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
302+50	GRADE CONTROL	3/1/99 - 7/20/99	3/1/99 - 7/20/99
305+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
315+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
325+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
335+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
345+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
GRAND AVE.			
355+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99

NEW RIVER LEVEE - OLIVE AVENUE TO GRAND AVENUE WEST BANK

SCOUR/ FILL MONITORING STATION MARKERS (MONUMENT)

STATION NUMBERS		Crest Marker COMPLETION DATE	Hortizontal Marker COMPLETION DATE
OLIVE Ave.			
235+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
245+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
255+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
256+76	GRADE CONTROL	3/1/99 - 7/20/99	3/1/99 - 7/20/99
265+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
275+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
285+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
Peoria Ave.			
295+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
302+16	GRADE CONTROL	3/1/99 - 7/20/99	3/1/99 - 7/20/99
305+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
315+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
325+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
335+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
345+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99
Grand Ave.			
355+00		3/1/99 - 7/20/99	3/1/99 - 7/20/99

NEW RIVER NEAR SKUNK CREEK EAST AND WEST BANKS

SCOUR/ FILL MONITORING STATION MARKERS (MONUMENT)

UPPER NEW RIVER BANK STABILIZED CHANNEL FROM THUNDERBIRD ROAD TO GREENWAY ALIGNMENT

Thunderbird Road		**West Bank**	**Crest Markers**	**Horizontal Markers**
			completion date	completion date
451+54	**Grade Control**		7/21/99 - 8/25/99	7/21/99 - 8/25/99
452+60	**Drop Structure**		7/21/99 - 8/25/99	7/21/99 - 8/25/99
460+00			7/21/99 - 8/25/99	7/21/99 - 8/25/99
470+00			7/21/99 - 8/25/99	7/21/99 - 8/25/99
Greenway Road Alignment				

Thunderbird Road		**East Bank**	**Crest Markers**	**Horizontal Markers**
			completion date	completion date
451+54	**Grade Control**		8/25/99 - 8/29/99	8/25/99 - 8/29/99
452+60	**Drop Structure**		8/25/99 - 8/29/99	8/25/99 - 8/29/99
461+31			8/25/99 - 8/29/99	8/25/99 - 8/29/99
Greenway Road Alignment				

SKUNK CREEK NEAR MOUTH AT 83rd AVENUE						**SOUTH AND NORTH BANKS**									
SCOU/FILL MONITORING STATION MARKERS (MONUMENTS)								**Crest Markers**		**Horizontal Markers**					
				South Bank				completion date		completion date					
								8/29/99 - 8/29/99		8/29/99 - 8/29/99					
25+00	✓	**Grade Control**						8/29/99 - 8/29/99		8/29/99 - 8/29/99					
31+00	✓														
								Crest Markers		**Horizontal Markers**					
				North Bank				completion date		completion date					
25+00	✓	**Grade Control**						8/29/99 - 8/29/99		8/29/99 - 8/29/99					
31+50	✓							8/29/99 - 8/29/99		8/29/99 - 8/29/99					

Enclosures N

CAMELBACK RANCH SOUTH LEVEE EAST BANK											
SCOUR/ FILL MONITORING STATION MARKERS (MONUMENTS)											
Indian School			Top of Levee		Toe of Levee		**Completion Date**		**Completion Date**		
	STATION NUMBERS		Survey	As Built	As Built		Crest marker		Hortizontal Marker		
	10+00 ✓		1022.9	1021.0	990.8		2/4/99		2/8/99		
	20+00 ✓		1023.1	1021.2	992.0		2/4/99		2/8/99		
	30+00 ✓		1024.1	1022.3	986.5		2/4/99		2/8/99		
	40+00 ✓		1026.8	1025.0	990.3		2/4/99		2/8/99		
Camelback											

CAMELBACK RANCH NORTH, GLENDALE AIRPORT LEVEE — EAST BANK

SCOUR/ FILL MONITORING STATION MARKERS (MONUMENTS)

Camelback		Top of Levee		East Bank Toe of Levee	Completion Date	Completion Date
STATION NUMBERS		Survey	As Built	As-Built	Crest marker	Hortizontal Marker
10+75	✓	1032.1	1030.4	1016.0	11/29/99	N/A
20+00	✓	1032.8	1030.8	1011.5	11/29/99	N/A
30+00	✓	1034.6	1032.9	1014.5	11/29/99	N/A
40+00	✓	1038.3	1036.7	1014.0	11/29/99	N/A
50+00	✓	1041.0	1039.0	1017.1	11/29/99	N/A
60+00	✓	1043.7	1041.9	1017.3	11/29/99	N/A
70+00	✓	1045.6	1043.8	1021.5	11/29/99	N/A

BETHANY HOME ROAD ALIGNMENT