

SC V10-70 Copyright © Trimble Navigation Ltd, 1996-2003
 Serial no 4043 15-Apr-09 14:14
 Angle Degrees Dist US Feet Press inch Hg
 Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID CAMU-GLONASS
 Atmos crn No C and R crn Yes Refrac cnst 0.20
 Elev Yes Sea level crn No

NOTE TS Time Date 01/30/2009 Time 17:08:46

LOCELL KI Local Rad 20925604.474 Flat. 298.2572229329

SITE KI Prj Lat <null> Nrth Offset 0.000
 Prj Lng <null> East Offset 0.000
 Prj Hgt 1645.000 Scale 1.0000000000

SHFTGRD KI File name <no text>

PROJ KI No Projection
 Orig Lat <null> Orig Nrth <null>
 Orig Lng <null> Orig East <null>
 Orig Hgt <null> Orig Elev <null>
 Orient 1 <null> Orient 2 <null>
 Scale <null>

DATUM KI None
 Srce Rad 20925604.474 Srce Flat 298.2572229329
 Rotn X <null> Rotn Y <null>
 Rotn Z <null> Trans X <null>
 Trans Y <null> Trans Z <null>
 Scale <null>

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

HGTADJ KI Inclined Plane
 Orig Nrth <null> Slope N <null>
 Orig East <null> Slope E <null>
 Hgt Const <null>
 Geoid <no text>

COORD NM System Name <no text>
 Zone Name <no text>
 Datum Name <no text>
 Coord System Option <None>

F FILE FC File ID 00000 Used No
 Name

COGO NM Azmth From North Dir North-East

NOTE NM Following data imported from 6-13-08-opus-obs.job

LOCELL KI Local Rad 20925604.474 Flat. 298.2572229329

SITE CB Prj Lat 36°03'01.84216"N Nrth Offset 0.000
 Prj Lng 114°59'53.92840"W East Offset 0.000
 Prj Hgt 1648.363 Scale 1.0000786812

SHFTGRD CB File name <no text>

PROJ CB Transverse Mercator
 Orig Lat 36°03'01.84216"N Orig Nrth 18483.918
 Orig Lng 114°59'53.92840"W Orig East 19186.597
 Orig Hgt 1643.256 Orig Elev 1738.580
 Orient 1 0°00'00" Orient 2 0°00'00"
 Scale 1.0000000000

DATUM CB Molodensky
 Srce Rad 20925604.474 Srce Flat 298.2572229329
 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 0.000000000

PLANE CB Orig Nrth 18728.937 Orig East 15068.999
 Trans N -24.769 Trans E -1.419
 Rotation -0°20'39.273751" Scale 1.000000000

HGTADJ CB Inclined Plane
 Orig Nrth 18483.893 Slope N -1.180
 Orig East 19186.576 Slope E 4.045
 Hgt Const 95.308
 Geoid <no text>

COORD NM System Name <no text>
 Zone Name <no text>
 Datum Name <no text>
 Coord System Option Keyed in

COGO NM Azmth From North Dir North-East

NOTE NM Following data imported from 6-13-08-opus-obs.job

NOTE TS Time Date 01/30/2009 Time 15:55:57

COGO NM Azmth From North Dir North-East

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measurement True

GPSPOS SI Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

GPSANT KI Antenna ht 0.000 Measurement True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measurement True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 518331.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 6.562 Measurement Uncorrected

GPSVEC SO Point ID Auto0057 DX -6175.665 DY 1205.103
Class Stake out DZ -2024.120 Code 106-1-30-09CHK
Obs L1 Fixed H.pr 0.020 V.pr 0.025

GPSQC1 NM Min SVs 9 PDOP max 1.0
Relative DOPs Yes HDOP max 0.7
Total GPS pos 3 VDOP max 0.8
Monitor status Not monitored RMS 12.3
Horz SD Vert SD
Start wk 1516 sec 518429.0 End wk 1516 sec 518454.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.00999999998
VCV xx 0.0000153086 VCV xy 0.0000115193
VCV xz -0.0000102203 VCV yy 0.0000515362
VCV yz -0.0000091307 VCV zz 0.0000281475

PT DGN SO Name 106 To the Point

GRID D SO Delta N -0.014 Delta E -0.046
Delta Elv -0.043

SURVEY EVENTKISurvey event Survey ended

NOTE TS Time Date 01/30/2009 Time 17:01:35

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measurement True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measurement True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 522121.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measuremt Uncorrected

GPSVEC SO Point ID Auto0058 DX -7029.868 DY 4145.283
Class Stake out DZ 1039.198 Code 101-1-30-09CHK
Obs L1 Fixed H.pr 0.024 V.pr 0.038

GPSQC1 NM Min SVs 12 PDOP max 1.4
Relative DOPs Yes HDOP max 0.8
Total GPS pos 4 VDOP max 1.2
Monitor status Not monitored RMS 12.0
Horz SD Vert SD
Start wk 1516 sec 522174.0 End wk 1516 sec 522177.0

GPSQC2 NM Ttl satellites 12 Err Scale 0.0099999998
VCV xx 0.0000606589 VCV xy 0.0000544312
VCV xz -0.0000263995 VCV yy 0.0000885777
VCV yz -0.0000315253 VCV zz 0.0000400671

PT DGN SO Name 101 To the Point

GRID D SO Delta N -0.074 Delta E -0.006
Delta Elv 0.000

SURVEY EVENTKISurvey event Survey ended

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measuremt True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 522487.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measuremt Uncorrected

GPSVEC SO Point ID Auto0059 DX -7594.793 DY 3076.144
Class Stake out DZ -564.129 Code 102-1-30-09CHK
Obs L1 Fixed H.pr 0.025 V.pr 0.041

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 3 VDOP max 1.3
Monitor status Not monitored RMS 11.9
Horz SD Vert SD
Start wk 1516 sec 522535.0 End wk 1516 sec 522538.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0099999998
VCV xx 0.0000682628 VCV xy 0.0000617748
VCV xz -0.0000322563 VCV yy 0.0000946383
VCV yz -0.0000408528 VCV zz 0.000049765

PT DGN SO Name 102 To the Point

GRID D SO Delta N -0.024 Delta E -0.030
Delta Elv -0.001

SURVEY EVENTKISurvey event Survey ended

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measuremt True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 523108.0
Init counter 1 Point ID <no text>
Survey type Real Time Plate H.Dist <null>
Plate V.Dist <null> Plate azimuth <null>

SURVEY EVENTKISurvey event Survey ended

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measuremt True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 523481.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measuremt Uncorrected

GPSVEC SO Point ID Auto0060 DX -4430.889 DY 2648.948
Class Stake out DZ 679.259 Code 107-1-30-09CHK
Obs L1 Fixed H.pr 0.020 V.pr 0.040

GPSQC1 NM Min SVs 11 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 4 VDOP max 1.3
Monitor status Not monitored RMS 18.3
Horz SD Vert SD
Start wk 1516 sec 523520.0 End wk 1516 sec 523523.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0099999998
VCV xx 0.0000598084 VCV xy 0.0000569163
VCV xz -0.0000356114 VCV yy 0.0000798075
VCV yz -0.0000463645 VCV zz 0.0000480059

PT DGN SO Name 107 To the Point

GRID D SO Delta N -0.027 Delta E -0.003
Delta Elv -0.018

SURVEY EVENTKISurvey event Survey ended

NOTE TS Time Date 01/30/2009 Time 17:34:38

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

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GPSANT KI Antenna ht 0.000 Measurement True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measurement True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 524112.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measurement Uncorrected

GPSVEC SO Point ID Auto0061 DX -1876.101 DY 316.357
Class Stake out DZ -689.516 Code 114-1-30-09CHK
Obs L1 Fixed H.pr 0.018 V.pr 0.041

GPSQC1 NM Min SVs 10 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 4 VDOP max 1.3
Monitor status Not monitored RMS 6.4
Horz SD Vert SD
Start wk 1516 sec 524185.0 End wk 1516 sec 524188.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0099999998
VCV xx 0.0000547966 VCV xy 0.0000549887
VCV xz -0.000040623 VCV yy 0.0000745709
VCV yz -0.0000524861 VCV zz 0.0000537973

PT DGN SO Name 114 To the Point

GRID D SO Delta N 0.019 Delta E -0.012
Delta Elv -0.016

SURVEY EVENTKISurvey event Survey ended

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measurement True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measurement True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 524691.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measurement Uncorrected

GPSVEC SO Point ID Auto0062 DX -5210.974 DY 2243.843
Class Stake out DZ -236.928 Code 434-1-30-09HK
Obs L1 Fixed H.pr 0.019 V.pr 0.039

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GPSQC1 NM Min SVs 11 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 4 VDOP max 1.2
Monitor status Not monitored RMS 15.6
Horz SD Vert SD
Start wk 1516 sec 524787.0 End wk 1516 sec 524790.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0099999998
VCV xx 0.0000443369 VCV xy 0.0000438598
VCV xz -0.0000319083 VCV yy 0.0000719584
VCV yz -0.0000506138 VCV zz 0.000059802

PT DGN SO Name 434 To the Point

GRID D SO Delta N 0.093 Delta E -0.124
Delta Elv -0.068

SURVEY EVENTKISurvey event Survey ended

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY KI Elev mask 10 PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS FD Point ID 44501 Lat 36°03'10.29917"N Lng 114°59'31.59480"W
Class Control Hgt 1645.648 Code 1_30_09_BASE
Obs User Input H.pr <null> V.pr <null>

EQUIP SI Receiver SPS851 Serial no <no text>
Antenna Zephyr - Model 2
Meas To Antenna Phase Center
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.000

NOTE NM Receiver firmware version=0.000

GPSANT KI Antenna ht 4.245 Measuremt True

GPSREF KI Reference 44501

INIT KI Init event Gained Week 1516
Init type On the fly seconds 525431.0
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 SPS881 Serial no 4813149404
Antenna R8 Model 2/SPS88x Internal
Meas To Bottom of antenna mount
Tape adj 0.000 Serial no <no text>
H.Offset 0.000 V.Offset 0.213

NOTE NM Receiver firmware version=3.710

GPSANT KI Antenna ht 9.700 Measuremt Uncorrected

GPSVEC SO Point ID Auto0063 DX -6176.748 DY 1202.816
Class Stake out DZ -2022.263 Code 106-130-09RECHK-
Obs L1 Fixed H.pr 0.019 V.pr 0.036

F-CODE SO Code 106-130-09RECHK-TALL POLE

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 4 VDOP max 1.1
Monitor status Not monitored RMS 16.6
Horz SD Vert SD
Start wk 1516 sec 525539.0 End wk 1516 sec 525542.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0099999998
VCV xx 0.0000342392 VCV xy 0.0000311803
VCV xz -0.0000237039 VCV yy 0.0000573259
VCV yz -0.0000428138 VCV zz 0.0000610667

PT DGN SO Name 106 To the Point

GRID D SO Delta N -0.026 Delta E -0.031
Delta Elv -0.043

GPSVEC SO Point ID Auto0064 DX -6101.761 DY 1541.958
Class Stake out DZ -1554.326 Code ABCS-CP420-1-30-
Obs L1 Fixed H.pr 0.020 V.pr 0.037

F-CODE SO Code ABCS-CP420-1-30-09CHK

GPSQC1 NM Min SVs 7 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 3 VDOP max 1.2
Monitor status Not monitored RMS 17.0
Horz SD Vert SD
Start wk 1516 sec 525768.0 End wk 1516 sec 525771.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0099999998
VCV xx 0.0000322694 VCV xy 0.0000303883
VCV xz -0.0000233197 VCV yy 0.0000614759
VCV yz -0.0000492575 VCV zz 0.0000735323

PT DGN	SO	Name	420	To the Point
GRID D	SO	Delta N	-0.001	Delta E -0.004
		Delta Elv	-0.014	
NOTE	TS	Time Date	01/30/2009	Time 18:06:59
SURVEY	EVENT	KISurvey event	Survey ended	
NOTE	TS	Time Date	04/14/2009	Time 06:56:43
SURVEY	KI	Elev mask	10	PDOP mask 6.0
SURVEY	KI	Elev mask	10	PDOP mask 6.0
SURVEY	KI	Elev mask	10	PDOP mask 6.0
SURVEY	EVENT	KISurvey event	Rover survey started	
GPSANT	KI	Antenna ht	0.000	Measuremt True
GPSPOS	FD	Point ID 44501	Lat 36°03'10.29917"N	Lng 114°59'31.59480"W
		Class Control	Hgt 1645.648	Code 1_30_09_BASE
		Obs User Input	H.pr <null>	V.pr <null>
EQUIP	SI	Receiver SPS851	Serial no <no text>	
		Antenna Zephyr - Model 2		
		Meas To Antenna Phase Center		
		Tape adj 0.000	Serial no <no text>	
		H.Offset 0.000	V.Offset 0.000	
NOTE	NM	Receiver firmware version=0.000		
GPSANT	KI	Antenna ht	4.245	Measuremt True
GPSREF	KI	Reference	44501	
INIT	KI	Init event	Gained	Week 1527
		Init type	On the fly	seconds 223138.0
		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 SPS881	Serial no 4813149404	
		Antenna R8 Model 2/SPS88x Internal		
		Meas To Bottom of antenna mount		
		Tape adj 0.000	Serial no <no text>	
		H.Offset 0.000	V.Offset 0.213	
NOTE	NM	Receiver firmware version=3.710		
GPSANT	KI	Antenna ht	6.562	Measuremt Uncorrected
GPSVEC	TP	Point ID 60000	DX -5849.685	DY 1936.037
		Class Normal	DZ -978.934	Code STA-15+54.27-TP
		Obs L1 Fixed	H.pr 0.021	V.pr 0.036
GPSQC1	NM	Min SVs	9	PDOP max 1.3
		Relative DOPs	Yes	HDOP max 0.7
		Total GPS pos	5	VDOP max 1.1
		Monitor status	Not monitored	RMS 10.1
		Horz SD		Vert SD
		Start wk 1527 sec 223194.0		End wk 1527 sec 223200.0
GPSQC2	NM	Ttl satellites	9	Err Scale 0.0099999998
		VCV xx	0.0000256526	VCV xy 0.0000333749
		VCV xz	-0.0000114388	VCV yy 0.0001166374
		VCV yz	-0.0000294167	VCV zz 0.0000194327
GPSVEC	TP	Point ID 60001	DX -5853.309	DY 1937.867
		Class Normal	DZ -978.434	Code STA-15+50.27-TP
		Obs L1 Fixed	H.pr 0.020	V.pr 0.033
GPSQC1	NM	Min SVs	14	PDOP max 1.3
		Relative DOPs	Yes	HDOP max 0.7
		Total GPS pos	5	VDOP max 1.1
		Monitor status	Not monitored	RMS 12.2
		Horz SD		Vert SD
		Start wk 1527 sec 223258.0		End wk 1527 sec 223263.0
GPSQC2	NM	Ttl satellites	14	Err Scale 0.0095749842
		VCV xx	0.0000248035	VCV xy 0.0000307843
		VCV xz	-0.0000108168	VCV yy 0.0001073428
		VCV yz	-0.0000274209	VCV zz 0.0000189307
GPSVEC	TP	Point ID 60002	DX -5831.227	DY 1942.023
		Class Normal	DZ -948.869	Code CP-424-CHK
		Obs L1 Fixed	H.pr 0.021	V.pr 0.034
GPSQC1	NM	Min SVs	14	PDOP max 1.2
		Relative DOPs	Yes	HDOP max 0.6
		Total GPS pos	5	VDOP max 1.1
		Monitor status	Not monitored	RMS 13.4
		Horz SD		Vert SD
		Start wk 1527 sec 223337.0		End wk 1527 sec 223342.0
GPSQC2	NM	Ttl satellites	14	Err Scale 0.0099999998
		VCV xx	0.0000245245	VCV xy 0.0000303106
		VCV xz	-0.0000105836	VCV yy 0.0001059023
		VCV yz	-0.0000269271	VCV zz 0.0000187088

GPSVEC	TP	Point ID 60003	DX -5518.202	DY 1729.114
		Class Normal	DZ -1040.454	Code STA-22+50.31-TP
		Obs L1 Fixed	H.pr 0.019	V.pr 0.031
GPSQC1	NM	Min SVs 13	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 8.5	
		Horz SD	Vert SD	
		Start wk 1527 sec 223691.0	End wk 1527 sec 223696.0	
GPSQC2	NM	Ttl satellites 13	Err Scale 0.0099999998	
		VCV xx 0.0000222328	VCV xy 0.0000242401	
		VCV xz -0.0000090338	VCV yy 0.0000819978	
		VCV yz -0.0000217103	VCV zz 0.0000171922	
GPSVEC	TP	Point ID 60004	DX -5521.580	DY 1730.258
		Class Normal	DZ -1040.985	Code STA-22+46.31-TP
		Obs L1 Fixed	H.pr 0.019	V.pr 0.030
GPSQC1	NM	Min SVs 13	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 9.1	
		Horz SD	Vert SD	
		Start wk 1527 sec 223787.0	End wk 1527 sec 223792.0	
GPSQC2	NM	Ttl satellites 13	Err Scale 0.0099999998	
		VCV xx 0.0000218043	VCV xy 0.0000235673	
		VCV xz -0.0000087502	VCV yy 0.0000795774	
		VCV yz -0.0000210885	VCV zz 0.0000169358	
NOTE	TS	Time Date 04/14/2009 Time 07:35:58		
GPSVEC	TP	Point ID 60005	DX -5341.284	DY 1694.857
		Class Normal	DZ -978.393	Code STA-24+40.62-TP
		Obs L1 Fixed	H.pr 0.016	V.pr 0.024
GPSQC1	NM	Min SVs 9	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.7	
		Monitor status Not monitored	RMS 19.5	
		Horz SD	Vert SD	
		Start wk 1527 sec 225366.0	End wk 1527 sec 225372.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000173396	VCV xy 0.0000141484	
		VCV xz -0.0000062654	VCV yy 0.000040542	
		VCV yz -0.0000140368	VCV zz 0.0000173372	
GPSVEC	TP	Point ID 60006	DX -5337.794	DY 1693.827
		Class Normal	DZ -977.653	Code STA-24+44.62-TP
		Obs L1 Fixed	H.pr 0.016	V.pr 0.023
GPSQC1	NM	Min SVs 14	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.7	
		Monitor status Not monitored	RMS 10.5	
		Horz SD	Vert SD	
		Start wk 1527 sec 225512.0	End wk 1527 sec 225518.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000171413	VCV xy 0.0000140336	
		VCV xz -0.000006308	VCV yy 0.0000396608	
		VCV yz -0.0000141278	VCV zz 0.0000176718	
GPSVEC	TP	Point ID 60007	DX -5027.466	DY 1553.529
		Class Normal	DZ -968.832	Code STA-27+85.1-TP
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
GPSQC1	NM	Min SVs 10	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.8	
		Monitor status Not monitored	RMS 17.7	
		Horz SD	Vert SD	
		Start wk 1527 sec 226683.0	End wk 1527 sec 226688.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000157854	VCV xy 0.0000145027	
		VCV xz -0.0000078074	VCV yy 0.0000376019	
		VCV yz -0.0000162897	VCV zz 0.0000217335	
GPSVEC	TP	Point ID 60008	DX -5023.834	DY 1552.924
		Class Normal	DZ -968.725	Code STA-27+89.1-TP
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
GPSQC1	NM	Min SVs 10	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.8	
		Monitor status Not monitored	RMS 12.0	
		Horz SD	Vert SD	
		Start wk 1527 sec 226746.0	End wk 1527 sec 226751.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000158561	VCV xy 0.0000147304	
		VCV xz -0.0000080056	VCV yy 0.0000380645	
		VCV yz -0.000016664	VCV zz 0.00002225	
GPSVEC	TP	Point ID 60009	DX -4941.105	DY 1526.006
		Class Normal	DZ -952.874	Code ASB-INV-IN-TP OF
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
F-CODE	TP	Code ASB-INV-IN-TP OF SDHW2		

GPSQC1	NM	Min SVs	15	PDOP max	0.9
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	12.3
		Horz SD		Vert SD	
		Start wk 1527 sec	226920.0	End wk 1527 sec	226925.0

GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000156028	VCV xy	0.0000147697
		VCV xz	-0.0000083876	VCV yy	0.0000376831
		VCV yz	-0.0000172321	VCV zz	0.0000231385

NOTE TS Time Date 04/14/2009 Time 08:09:38

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NOTE TS Time Date 04/15/2009 Time 13:46:36