

SC V10-70 Copyright © Trimble Navigation Ltd, 1996-2003
 Serial no 4043 03-Aug-09 08:06
 Angle Degrees Dist US Feet Press inch Hg
 Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID PH-2+3A-IC-ASB
 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 Measurement 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 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 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 Measurement 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

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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	EVENTKIS	Survey event	Survey ended		
NOTE	TS	Time Date	05/01/2009	Time	13:43:55
NOTE	TS	Time Date	06/18/2009	Time	18:34:48
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	EVENTKIS	Survey 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	1536
		Init type	On the fly	seconds	437711.0
		Init counter	1	Point ID	<no text>
		Survey type	Real Time	Plate H.Dist	<null>
		Plate V.Dist	<null>	Plate azimuth	<null>
NOTE	NM	Following data imported from Phase 4 Stake.job			
NOTE	NM	Modified 6:28:16 PM 6/18/2009			
NOTE	NM	Old values			
SURVEY	EVENTKIS	Survey event	Survey ended		
NOTE	TS	Time Date	07/06/2009	Time	10:25:40
NOTE	NM	Following data imported from CAMU Control.CSV			
NOTE	NM	Following data imported from 7-2-09 Phase 2 & 3A Waste			
NOTE	NM	pnts.csv			
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	EVENTKIS	Survey 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	1539
		Init type	On the fly	seconds	149284.0
		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 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	SO	Point ID 23001	DX -6797.885	DY 1569.154
		Class Stake out	DZ -1861.584	Code 7-6-09prechk
		Obs L1 Fixed	H.pr 0.022	V.pr 0.030
GPSQC1	NM	Min SVs 7	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 11.6	
		Horz SD	Vert SD	
		Start wk 1539 sec 149350.0	End wk 1539 sec 149355.0	
GPSQC2	NM	Ttl satellites 7	Err Scale 0.0099999998	
		VCV xx 0.0000309434	VCV xy 0.0000234574	
		VCV xz -0.000008939	VCV yy 0.00006059	
		VCV yz -0.0000232661	VCV zz 0.0000410562	
PT DGN	SO	Name 23000	To the Point	
GRID D	SO	Delta N -0.068	Delta E 0.013	
		Delta Elv -0.033		
GPSVEC	SO	Point ID 23002	DX -7172.137	DY 2080.821
		Class Stake out	DZ -1517.500	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.029
GPSQC1	NM	Min SVs 8	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 10.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 149961.0	End wk 1539 sec 149966.0	
GPSQC2	NM	Ttl satellites 8	Err Scale 0.0099999998	
		VCV xx 0.0000294999	VCV xy 0.0000198008	
		VCV xz -0.0000081999	VCV yy 0.0000504452	
		VCV yz -0.0000226629	VCV zz 0.0000470967	
LIN DGN	SO	Name 34001-34051	To the Line	
		Station 34.023	H.Offset <null>	
		Elv <null>		
LIN D	SO	D Station <null>	D Offset 0.031	
		D Elev 0.049	Grd to Line 1:0.627	
GRID D	SO	Delta N -0.029	Delta E -0.010	
		Delta Elv 0.049		
GPSVEC	SO	Point ID 23003	DX -7194.396	DY 2108.847
		Class Stake out	DZ -1514.768	Code toe-1
		Obs L1 Fixed	H.pr 0.022	V.pr 0.029
GPSQC1	NM	Min SVs 8	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 18.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 150084.0	End wk 1539 sec 150089.0	
GPSQC2	NM	Ttl satellites 8	Err Scale 0.0099999998	
		VCV xx 0.0000292265	VCV xy 0.0000193977	
		VCV xz -0.0000084086	VCV yy 0.0000480417	
		VCV yz -0.0000213997	VCV zz 0.0000457343	
PT DGN	SO	Name 34001	To the Point	
GRID D	SO	Delta N 0.076	Delta E 0.071	
		Delta Elv 0.037		
GPSVEC	TP	Point ID 23004	DX -7196.128	DY 2109.411
		Class Normal	DZ -1513.952	Code toe-2
		Obs L1 Fixed	H.pr 0.022	V.pr 0.029
GPSQC1	NM	Min SVs 8	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 14.6	
		Horz SD	Vert SD	
		Start wk 1539 sec 150112.0	End wk 1539 sec 150117.0	
GPSQC2	NM	Ttl satellites 8	Err Scale 0.0099999998	
		VCV xx 0.000028863	VCV xy 0.0000191008	
		VCV xz -0.0000082796	VCV yy 0.0000479713	
		VCV yz -0.0000219781	VCV zz 0.0000466969	
GPSVEC	SO	Point ID 23005	DX -7229.459	DY 2085.001
		Class Stake out	DZ -1562.898	Code toe-1
		Obs L1 Fixed	H.pr 0.023	V.pr 0.029
GPSQC1	NM	Min SVs 8	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 11.0	
		Horz SD	Vert SD	
		Start wk 1539 sec 150205.0	End wk 1539 sec 150210.0	
GPSQC2	NM	Ttl satellites 8	Err Scale 0.0099999998	
		VCV xx 0.0000288281	VCV xy 0.0000189228	
		VCV xz -0.0000083183	VCV yy 0.0000486572	
		VCV yz -0.0000236611	VCV zz 0.0000499583	
PT DGN	SO	Name 34002	To the Point	

GRID D	SO	Delta N	0.115	Delta E	-0.768
		Delta Elv	0.027		
GPSVEC	TP	Point ID 23006	DX -7231.158	DY	2085.581
		Class Normal	DZ -1561.945	Code	toe-2
		Obs L1 Fixed	H.pr 0.023	V.pr	0.029
GPSQC1	NM	Min SVs	8	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	17.6
		Horz SD		Vert SD	
		Start wk 1539 sec 150230.0		End wk 1539 sec 150235.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000285428	VCV xy	0.0000187026
		VCV xz	-0.0000082676	VCV yy	0.0000482326
		VCV yz	-0.0000237095	VCV zz	0.0000500561
GPSVEC	SO	Point ID 23007	DX -7205.822	DY	2054.581
		Class Stake out	DZ -1565.918	Code	mid
		Obs L1 Fixed	H.pr 0.023	V.pr	0.029
GPSQC1	NM	Min SVs	8	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	12.5
		Horz SD		Vert SD	
		Start wk 1539 sec 150311.0		End wk 1539 sec 150316.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000283604	VCV xy	0.0000184896
		VCV xz	-0.0000083497	VCV yy	0.0000480019
		VCV yz	-0.0000243802	VCV zz	0.0000515132
LIN DGN	SO	Name	34002-34050	To the Line	
		Station	37.350	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.037
		D Elev	0.031	Grd to Line	1:1.178
GRID D	SO	Delta N	0.035	Delta E	0.012
		Delta Elv	0.031		
GPSVEC	SO	Point ID 23008	DX -7242.129	DY	2027.359
		Class Stake out	DZ -1617.302	Code	mid
		Obs L1 Fixed	H.pr 0.023	V.pr	0.030
GPSQC1	NM	Min SVs	8	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.8
		Horz SD		Vert SD	
		Start wk 1539 sec 150441.0		End wk 1539 sec 150446.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000283771	VCV xy	0.0000184009
		VCV xz	-0.0000086384	VCV yy	0.0000480607
		VCV yz	-0.0000256047	VCV zz	0.0000541724
LIN DGN	SO	Name	34003-34049	To the Line	
		Station	40.092	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.004
		D Elev	0.020	Grd to Line	1:0.199
GRID D	SO	Delta N	0.004	Delta E	0.001
		Delta Elv	0.020		
GPSVEC	SO	Point ID 23009	DX -7268.072	DY	2060.349
		Class Stake out	DZ -1613.996	Code	toe-1
		Obs L1 Fixed	H.pr 0.022	V.pr	0.029
GPSQC1	NM	Min SVs	8	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	10.9
		Horz SD		Vert SD	
		Start wk 1539 sec 150522.0		End wk 1539 sec 150527.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000282724	VCV xy	0.0000188592
		VCV xz	-0.0000096566	VCV yy	0.0000463068
		VCV yz	-0.0000233391	VCV zz	0.000050731
PT DGN	SO	Name	34003	To the Point	
GRID D	SO	Delta N	0.004	Delta E	-0.176
		Delta Elv	0.030		
GPSVEC	TP	Point ID 23010	DX -7269.748	DY	2060.936
		Class Normal	DZ -1612.834	Code	toe-2
		Obs L1 Fixed	H.pr 0.022	V.pr	0.029
GPSQC1	NM	Min SVs	8	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	12.7
		Horz SD		Vert SD	
		Start wk 1539 sec 150544.0		End wk 1539 sec 150549.0	

GPSQC2	NM	Ttl satellites 8		Err Scale	0.0099999998
		VCV xx 0.0000281763		VCV xy	0.0000186354
		VCV xz -0.0000094525		VCV yy	0.0000466051
		VCV yz -0.0000242717		VCV zz	0.0000523266
GPSVEC	SO	Point ID 23011	DX -7302.618	DY	2037.853
		Class Stake out	DZ -1660.250	Code toe-1	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.029
GPSQC1	NM	Min SVs 8		PDOP max	1.1
		Relative DOPs Yes		HDOP max	0.7
		Total GPS pos 6		VDOP max	0.9
		Monitor status Not monitored		RMS	11.3
		Horz SD		Vert SD	
		Start wk 1539 sec 150644.0		End wk 1539 sec 150649.0	
GPSQC2	NM	Ttl satellites 8		Err Scale	0.0099999998
		VCV xx 0.0000281892		VCV xy	0.0000183254
		VCV xz -0.0000092931		VCV yy	0.0000463002
		VCV yz -0.0000243877		VCV zz	0.0000522536
PT DGN	SO	Name 34004		To the Point	
GRID D	SO	Delta N 0.126		Delta E	-0.001
		Delta Elv 0.035			
GPSVEC	TP	Point ID 23012	DX -7304.383	DY	2038.347
		Class Normal	DZ -1659.517	Code toe-2	
		Obs L1 Fixed	H.pr 0.023	V.pr	0.031
GPSQC1	NM	Min SVs 8		PDOP max	1.2
		Relative DOPs Yes		HDOP max	0.7
		Total GPS pos 5		VDOP max	1.0
		Monitor status Not monitored		RMS	19.2
		Horz SD		Vert SD	
		Start wk 1539 sec 150827.0		End wk 1539 sec 150832.0	
GPSQC2	NM	Ttl satellites 8		Err Scale	0.0099999998
		VCV xx 0.000028218		VCV xy	0.0000183645
		VCV xz -0.0000098929		VCV yy	0.0000482163
		VCV yz -0.0000292651		VCV zz	0.0000613981
NOTE	TS	Time Date 07/06/2009 Time 10:56:18			
GPSVEC	SO	Point ID 23013	DX -7275.304	DY	2003.331
		Class Stake out	DZ -1663.651	Code mid	
		Obs L1 Fixed	H.pr 0.023	V.pr	0.031
GPSQC1	NM	Min SVs 8		PDOP max	1.2
		Relative DOPs Yes		HDOP max	0.7
		Total GPS pos 5		VDOP max	1.0
		Monitor status Not monitored		RMS	21.1
		Horz SD		Vert SD	
		Start wk 1539 sec 150984.0		End wk 1539 sec 150989.0	
GPSQC2	NM	Ttl satellites 8		Err Scale	0.0099999998
		VCV xx 0.000027817		VCV xy	0.0000182876
		VCV xz -0.0000104846		VCV yy	0.0000480442
		VCV yz -0.0000307872		VCV zz	0.000063906
LIN DGN	SO	Name 34004-34048		To the Line	
		Station 41.934		H.Offset	<null>
		Elv <null>			
LIN D	SO	D Station <null>		D Offset	-0.047
		D Elev 0.039		Grd to Line	1:1.19
GRID D	SO	Delta N 0.044		Delta E	0.016
		Delta Elv 0.039			
GPSVEC	SO	Point ID 23014	DX -7311.074	DY	1970.354
		Class Stake out	DZ -1719.027	Code mid	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.034
GPSQC1	NM	Min SVs 7		PDOP max	1.3
		Relative DOPs Yes		HDOP max	0.7
		Total GPS pos 6		VDOP max	1.1
		Monitor status Not monitored		RMS	13.8
		Horz SD		Vert SD	
		Start wk 1539 sec 151163.0		End wk 1539 sec 151168.0	
GPSQC2	NM	Ttl satellites 7		Err Scale	0.0099999998
		VCV xx 0.0000280753		VCV xy	0.0000191596
		VCV xz -0.0000123144		VCV yy	0.0000529373
		VCV yz -0.0000404227		VCV zz	0.0000812149
LIN DGN	SO	Name 34005-34047		To the Line	
		Station 49.568		H.Offset	<null>
		Elv <null>			
LIN D	SO	D Station <null>		D Offset	0.014
		D Elev 0.056		Grd to Line	1:0.247
GRID D	SO	Delta N -0.013		Delta E	-0.005
		Delta Elv 0.056			
GPSVEC	SO	Point ID 23015	DX -7343.297	DY	2011.146
		Class Stake out	DZ -1714.943	Code toe-1	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.034

GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	12.7
		Horz SD		Vert SD	
		Start wk 1539	sec 151233.0	End wk 1539	sec 151238.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000283009	VCV xy	0.0000192029
		VCV xz	-0.0000127524	VCV yy	0.0000494912
		VCV yz	-0.0000389164	VCV zz	0.000081871
PT DGN	SO	Name	34005	To the Point	
GRID D	SO	Delta N	0.025	Delta E	-0.089
		Delta Elv	0.025		
GPSVEC	TP	Point ID 23016	DX -7344.743	DY	2011.500
		Class Normal	DZ -1714.155	Code toe-2	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.034
GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	13.9
		Horz SD		Vert SD	
		Start wk 1539	sec 151252.0	End wk 1539	sec 151257.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000282251	VCV xy	0.0000193074
		VCV xz	-0.0000129455	VCV yy	0.0000506012
		VCV yz	-0.0000399652	VCV zz	0.000082714
GPSVEC	SO	Point ID 23017	DX -7377.882	DY	1988.747
		Class Stake out	DZ -1761.081	Code toe-1	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.035
GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	8.8
		Horz SD		Vert SD	
		Start wk 1539	sec 151322.0	End wk 1539	sec 151327.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000283496	VCV xy	0.0000198123
		VCV xz	-0.0000137029	VCV yy	0.0000534983
		VCV yz	-0.0000428437	VCV zz	0.0000855516
PT DGN	SO	Name	34006	To the Point	
GRID D	SO	Delta N	0.013	Delta E	0.164
		Delta Elv	0.020		
GPSVEC	TP	Point ID 23018	DX -7379.274	DY	1989.257
		Class Normal	DZ -1760.490	Code toe-2	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.035
GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	15.3
		Horz SD		Vert SD	
		Start wk 1539	sec 151343.0	End wk 1539	sec 151351.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000278679	VCV xy	0.0000195737
		VCV xz	-0.0000136681	VCV yy	0.000053006
		VCV yz	-0.0000426097	VCV zz	0.000084564
GPSVEC	SO	Point ID 23019	DX -7343.050	DY	1944.862
		Class Stake out	DZ -1765.555	Code mid	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.036
GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	18.6
		Horz SD		Vert SD	
		Start wk 1539	sec 151582.0	End wk 1539	sec 151587.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000285149	VCV xy	0.0000209746
		VCV xz	-0.0000159656	VCV yy	0.0000559193
		VCV yz	-0.0000464291	VCV zz	0.0000885005
LIN DGN	SO	Name	34006-34046	To the Line	
		Station	53.227	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.029
		D Elev	0.033	Grd to Line	1:0.874
GRID D	SO	Delta N	0.027	Delta E	0.010
		Delta Elv	0.033		
GPSVEC	SO	Point ID 23020	DX -7353.691	DY	1932.359
		Class Stake out	DZ -1783.890	Code mid	
		Obs L1 Fixed	H.pr 0.024	V.pr	0.037

GPSQC1	NM	Min SVs	7	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	9.0
		Horz SD		Vert SD	
		Start wk 1539 sec 151690.0		End wk 1539 sec 151695.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.000029345	VCV xy	0.0000220452
		VCV xz	-0.0000173534	VCV yy	0.0000579233
		VCV yz	-0.0000486258	VCV zz	0.0000911253
LIN DGN	SO	Name	34007-34045	To the Line	
		Station	57.593	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.013
		D Elev	0.044	Grd to Line	1:0.303
GRID D	SO	Delta N	-0.013	Delta E	-0.005
		Delta Elv	0.044		
GPSVEC	SO	Point ID 23021	DX -7391.203	DY	1979.848
		Class Stake out	DZ -1779.177	Code toe-1	
		Obs L1 Fixed	H.pr 0.023	V.pr 0.034	
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	13.8
		Horz SD		Vert SD	
		Start wk 1539 sec 151791.0		End wk 1539 sec 151796.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000295196	VCV xy	0.0000217965
		VCV xz	-0.0000169698	VCV yy	0.0000522073
		VCV yz	-0.0000396517	VCV zz	0.0000762578
PT DGN	SO	Name	34007	To the Point	
GRID D	SO	Delta N	0.026	Delta E	0.001
		Delta Elv	0.016		
GPSVEC	TP	Point ID 23022	DX -7392.691	DY	1980.292
		Class Normal	DZ -1778.373	Code toe-2	
		Obs L1 Fixed	H.pr 0.023	V.pr 0.034	
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	19.8
		Horz SD		Vert SD	
		Start wk 1539 sec 151811.0		End wk 1539 sec 151817.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000291722	VCV xy	0.0000216053
		VCV xz	-0.0000169038	VCV yy	0.0000515987
		VCV yz	-0.000039235	VCV zz	0.0000752352
GPSVEC	SO	Point ID 23023	DX -7420.004	DY	1960.350
		Class Stake out	DZ -1818.557	Code toe-1	
		Obs L1 Fixed	H.pr 0.023	V.pr 0.035	
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	22.3
		Horz SD		Vert SD	
		Start wk 1539 sec 151909.0		End wk 1539 sec 151915.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000298791	VCV xy	0.0000224647
		VCV xz	-0.0000179487	VCV yy	0.000052732
		VCV yz	-0.0000402039	VCV zz	0.0000758495
PT DGN	SO	Name	34008	To the Point	
GRID D	SO	Delta N	0.046	Delta E	-0.590
		Delta Elv	-0.022		
GPSVEC	TP	Point ID 23024	DX -7421.715	DY	1960.791
		Class Normal	DZ -1817.816	Code toe-2	
		Obs L1 Fixed	H.pr 0.023	V.pr 0.035	
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	18.2
		Horz SD		Vert SD	
		Start wk 1539 sec 151929.0		End wk 1539 sec 151934.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000298875	VCV xy	0.0000225371
		VCV xz	-0.0000180772	VCV yy	0.0000527219
		VCV yz	-0.000040211	VCV zz	0.0000756335
GPSVEC	SO	Point ID 23025	DX -7387.996	DY	1919.579
		Class Stake out	DZ -1822.651	Code mid	
		Obs L1 Fixed	H.pr 0.022	V.pr 0.035	

GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	13.2
		Horz SD		Vert SD	
		Start wk 1539	sec 152026.0	End wk 1539	sec 152031.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000305055	VCV xy	0.0000233439
		VCV xz	-0.0000190446	VCV yy	0.0000536597
		VCV yz	-0.0000409483	VCV zz	0.0000756938
LIN DGN	SO	Name	34008-34044	To the Line	
		Station	49.873	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.046
		D Elev	0.059	Grd to Line	1:0.785
GRID D	SO	Delta N	-0.044	Delta E	-0.016
		Delta Elv	0.059		
GPSVEC	SO	Point ID 23026	DX -7426.634	DY	1888.555
		Class Stake out	DZ -1879.293	Code mid	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.035
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	13.2
		Horz SD		Vert SD	
		Start wk 1539	sec 152140.0	End wk 1539	sec 152146.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000308714	VCV xy	0.0000240296
		VCV xz	-0.0000199357	VCV yy	0.0000541513
		VCV yz	-0.0000412968	VCV zz	0.000074704
LIN DGN	SO	Name	34009-34043	To the Line	
		Station	54.541	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.042
		D Elev	0.038	Grd to Line	1:1.105
GRID D	SO	Delta N	0.040	Delta E	0.014
		Delta Elv	0.038		
GPSVEC	SO	Point ID 23027	DX -7461.316	DY	1933.219
		Class Stake out	DZ -1874.609	Code toe-1	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	8	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	8.5
		Horz SD		Vert SD	
		Start wk 1539	sec 152212.0	End wk 1539	sec 152217.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000312483	VCV xy	0.0000240603
		VCV xz	-0.0000197839	VCV yy	0.0000514142
		VCV yz	-0.0000368707	VCV zz	0.0000675701
PT DGN	SO	Name	34009	To the Point	
GRID D	SO	Delta N	-0.003	Delta E	-0.818
		Delta Elv	-0.002		
GPSVEC	TP	Point ID 23028	DX -7462.875	DY	1933.815
		Class Normal	DZ -1873.754	Code toe-2	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	13.6
		Horz SD		Vert SD	
		Start wk 1539	sec 152234.0	End wk 1539	sec 152239.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000311344	VCV xy	0.0000241834
		VCV xz	-0.0000200358	VCV yy	0.0000520574
		VCV yz	-0.0000379683	VCV zz	0.0000687864
GPSVEC	SO	Point ID 23029	DX -7496.100	DY	1910.721
		Class Stake out	DZ -1921.880	Code toe-1	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	15.5
		Horz SD		Vert SD	
		Start wk 1539	sec 152316.0	End wk 1539	sec 152321.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000319494	VCV xy	0.0000250748
		VCV xz	-0.0000209232	VCV yy	0.0000530531
		VCV yz	-0.0000384753	VCV zz	0.0000686634
PT DGN	SO	Name	34010	To the Point	

GRID D	SO	Delta N	0.917	Delta E	-0.465
		Delta Elv	-0.042		
GPSVEC	TP	Point ID 23030	DX -7497.586	DY	1911.217
		Class Normal	DZ -1921.298	Code toe-2	
		Obs L1 Fixed	H.pr 0.022	V.pr	0.035
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	16.4
		Horz SD		Vert SD	
		Start wk 1539	sec 152339.0	End wk 1539	sec 152345.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000319146	VCV xy	0.0000252662
		VCV xz	-0.0000212179	VCV yy	0.000053779
		VCV yz	-0.0000395546	VCV zz	0.0000697528
GPSVEC	SO	Point ID 23031	DX -7456.424	DY	1860.796
		Class Stake out	DZ -1926.375	Code mid	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.035
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.9
		Horz SD		Vert SD	
		Start wk 1539	sec 152465.0	End wk 1539	sec 152470.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000311882	VCV xy	0.0000251617
		VCV xz	-0.0000221852	VCV yy	0.0000555817
		VCV yz	-0.0000423452	VCV zz	0.0000726229
LIN DGN	SO	Name	34010-34042	To the Line	
		Station	61.343	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.002
		D Elev	0.022	Grd to Line	1:0.081
GRID D	SO	Delta N	-0.002	Delta E	-0.001
		Delta Elv	0.022		
GPSVEC	SO	Point ID 23032	DX -7482.832	DY	1843.057
		Class Stake out	DZ -1962.829	Code mid	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.036
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	27.4
		Horz SD		Vert SD	
		Start wk 1539	sec 152604.0	End wk 1539	sec 152609.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000336965	VCV xy	0.0000280567
		VCV xz	-0.0000241865	VCV yy	0.0000587986
		VCV yz	-0.0000442007	VCV zz	0.0000723766
LIN DGN	SO	Name	34011-34041	To the Line	
		Station	61.876	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.002
		D Elev	0.045	Grd to Line	1:0.045
GRID D	SO	Delta N	-0.002	Delta E	-0.001
		Delta Elv	0.045		
GPSVEC	SO	Point ID 23033	DX -7522.567	DY	1893.932
		Class Stake out	DZ -1957.552	Code toe-1	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.037
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	24.9
		Horz SD		Vert SD	
		Start wk 1539	sec 152768.0	End wk 1539	sec 152773.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000350382	VCV xy	0.0000299131
		VCV xz	-0.0000257532	VCV yy	0.0000610309
		VCV yz	-0.0000454242	VCV zz	0.0000713469
PT DGN	SO	Name	34011	To the Point	
GRID D	SO	Delta N	-0.023	Delta E	-0.504
		Delta Elv	0.005		
NOTE	TS	Time Date	07/06/2009	Time	11:26:19
GPSVEC	TP	Point ID 23034	DX -7523.981	DY	1894.212
		Class Normal	DZ -1956.905	Code toe-2	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.037

GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	24.0
		Horz SD		Vert SD	
		Start wk 1539	sec 152788.0	End wk 1539	sec 152793.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000349163	VCV xy	0.0000298932
		VCV xz	-0.0000257357	VCV yy	0.0000608314
		VCV yz	-0.0000452273	VCV zz	0.000070709
GPSVEC	SO	Point ID 23035	DX -7564.861	DY	1866.540
		Class Stake out	DZ -2015.217	Code toe-1	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.037
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	12.0
		Horz SD		Vert SD	
		Start wk 1539	sec 152852.0	End wk 1539	sec 152857.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.000035857	VCV xy	0.0000309921
		VCV xz	-0.0000266528	VCV yy	0.0000624941
		VCV yz	-0.0000462662	VCV zz	0.0000711457
PT DGN	SO	Name	34012	To the Point	
GRID D	SO	Delta N	-0.036	Delta E	-0.498
		Delta Elv	0.046		
GPSVEC	TP	Point ID 23036	DX -7566.456	DY	1866.980
		Class Normal	DZ -2014.379	Code toe-2	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.037
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	25.2
		Horz SD		Vert SD	
		Start wk 1539	sec 152871.0	End wk 1539	sec 152877.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.000035456	VCV xy	0.0000307261
		VCV xz	-0.0000264184	VCV yy	0.0000618244
		VCV yz	-0.0000457206	VCV zz	0.0000699889
GPSVEC	SO	Point ID 23037	DX -7583.217	DY	1846.562
		Class Stake out	DZ -2050.014	Code toe-1	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.038
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	17.8
		Horz SD		Vert SD	
		Start wk 1539	sec 153043.0	End wk 1539	sec 153048.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.000036804	VCV xy	0.0000325546
		VCV xz	-0.0000280562	VCV yy	0.0000649599
		VCV yz	-0.0000475736	VCV zz	0.0000701086
PT DGN	SO	Name	34013	To the Point	
GRID D	SO	Delta N	0.048	Delta E	-1.469
		Delta Elv	0.041		
GPSVEC	TP	Point ID 23038	DX -7585.008	DY	1846.939
		Class Normal	DZ -2049.543	Code toe-2	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.038
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	18.3
		Horz SD		Vert SD	
		Start wk 1539	sec 153061.0	End wk 1539	sec 153068.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000367163	VCV xy	0.0000325977
		VCV xz	-0.0000280204	VCV yy	0.0000646838
		VCV yz	-0.0000472749	VCV zz	0.0000692594
GPSVEC	SO	Point ID 23039	DX -7590.382	DY	1824.299
		Class Stake out	DZ -2081.163	Code toe-1	
		Obs L1 Fixed	H.pr 0.021	V.pr	0.038
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	12.3
		Horz SD		Vert SD	
		Start wk 1539	sec 153166.0	End wk 1539	sec 153171.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000385538	VCV xy	0.0000348546
		VCV xz	-0.0000296187	VCV yy	0.0000678015
		VCV yz	-0.0000490666	VCV zz	0.0000695501

PT DGN	SO	Name	34014	To the Point	
GRID D	SO	Delta N	-0.119	Delta E	-1.037
		Delta Elv	-0.003		
GPSVEC	TP	Point ID 23040	DX -7592.551	DY	1824.441
		Class Normal	DZ -2080.892	Code toe-2	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.038
GPSQC1	NM	Min SVs 8	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 5	VDOP max	1.2	
		Monitor status Not monitored	RMS	16.4	
		Horz SD	Vert SD		
		Start wk 1539 sec 153185.0	End wk 1539	sec 153191.0	
GPSQC2	NM	Ttl satellites 8	Err Scale	0.0099999998	
		VCV xx 0.0000384871	VCV xy	0.0000348955	
		VCV xz -0.0000296151	VCV yy	0.0000677135	
		VCV yz -0.0000489292	VCV zz	0.000069015	
GPSVEC	SO	Point ID 23041	DX -7581.900	DY	1785.593
		Class Stake out	DZ -2123.439	Code toe-1	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.039
GPSQC1	NM	Min SVs 8	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 5	VDOP max	1.2	
		Monitor status Not monitored	RMS	10.8	
		Horz SD	Vert SD		
		Start wk 1539 sec 153266.0	End wk 1539	sec 153271.0	
GPSQC2	NM	Ttl satellites 8	Err Scale	0.0099999998	
		VCV xx 0.0000393787	VCV xy	0.0000361367	
		VCV xz -0.0000304727	VCV yy	0.0000694649	
		VCV yz -0.0000498403	VCV zz	0.0000687377	
PT DGN	SO	Name	34015	To the Point	
GRID D	SO	Delta N	-0.417	Delta E	-0.692
		Delta Elv	-0.002		
GPSVEC	TP	Point ID 23042	DX -7583.556	DY	1785.363
		Class Normal	DZ -2123.742	Code toe-2	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.039
GPSQC1	NM	Min SVs 8	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 5	VDOP max	1.2	
		Monitor status Not monitored	RMS	12.5	
		Horz SD	Vert SD		
		Start wk 1539 sec 153282.0	End wk 1539	sec 153290.0	
GPSQC2	NM	Ttl satellites 8	Err Scale	0.0099999998	
		VCV xx 0.0000389979	VCV xy	0.0000358783	
		VCV xz -0.0000302185	VCV yy	0.0000688611	
		VCV yz -0.0000493405	VCV zz	0.000067742	
GPSVEC	SO	Point ID 23043	DX -7564.642	DY	1759.861
		Class Stake out	DZ -2145.096	Code toe-1	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.039
GPSQC1	NM	Min SVs 8	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 6	VDOP max	1.2	
		Monitor status Not monitored	RMS	12.2	
		Horz SD	Vert SD		
		Start wk 1539 sec 153359.0	End wk 1539	sec 153364.0	
GPSQC2	NM	Ttl satellites 8	Err Scale	0.0099999998	
		VCV xx 0.0000401905	VCV xy	0.0000373899	
		VCV xz -0.0000312919	VCV yy	0.0000712195	
		VCV yz -0.0000506893	VCV zz	0.0000681517	
PT DGN	SO	Name	34016	To the Point	
GRID D	SO	Delta N	-0.785	Delta E	-0.491
		Delta Elv	-0.006		
GPSVEC	TP	Point ID 23044	DX -7566.361	DY	1759.201
		Class Normal	DZ -2145.821	Code toe-2	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.039
GPSQC1	NM	Min SVs 8	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 5	VDOP max	1.2	
		Monitor status Not monitored	RMS	12.8	
		Horz SD	Vert SD		
		Start wk 1539 sec 153388.0	End wk 1539	sec 153397.0	
GPSQC2	NM	Ttl satellites 8	Err Scale	0.0099999998	
		VCV xx 0.0000393957	VCV xy	0.0000368074	
		VCV xz -0.0000307318	VCV yy	0.0000699414	
		VCV yz -0.0000496528	VCV zz	0.000066242	
GPSVEC	SO	Point ID 23045	DX -7539.467	DY	1735.017
		Class Stake out	DZ -2160.454	Code toe-1	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.039

GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	18.5
		Horz SD		Vert SD	
		Start wk 1539	sec 153458.0	End wk 1539	sec 153463.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000410311	VCV xy	0.0000387281
		VCV xz	-0.0000321291	VCV yy	0.0000731174
		VCV yz	-0.0000515788	VCV zz	0.000067513
PT DGN	SO	Name	34017	To the Point	
GRID D	SO	Delta N	-0.817	Delta E	-0.219
		Delta Elv	-0.004		
GPSVEC	TP	Point ID 23046		DY	1733.977
		Class Normal		Code toe-2	
		Obs L1 Fixed		V.pr 0.039	
			DZ -2161.360		
			H.pr 0.020		
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	19.3
		Horz SD		Vert SD	
		Start wk 1539	sec 153476.0	End wk 1539	sec 153481.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000408611	VCV xy	0.0000386638
		VCV xz	-0.0000320258	VCV yy	0.0000729028
		VCV yz	-0.0000513482	VCV zz	0.0000669024
GPSVEC	SO	Point ID 23047		DY	1714.565
		Class Stake out		Code toe-1	
		Obs L1 Fixed		V.pr 0.040	
			DZ -2167.171		
			H.pr 0.020		
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	15.9
		Horz SD		Vert SD	
		Start wk 1539	sec 153546.0	End wk 1539	sec 153551.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000417995	VCV xy	0.0000399651
		VCV xz	-0.0000328732	VCV yy	0.0000749285
		VCV yz	-0.0000524229	VCV zz	0.0000669868
PT DGN	SO	Name	34028	To the Point	
GRID D	SO	Delta N	-1.505	Delta E	-0.409
		Delta Elv	-0.050		
GPSVEC	TP	Point ID 23048		DY	1713.636
		Class Normal		Code toe-2	
		Obs L1 Fixed		V.pr 0.040	
			DZ -2167.954		
			H.pr 0.020		
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	17.1
		Horz SD		Vert SD	
		Start wk 1539	sec 153564.0	End wk 1539	sec 153569.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000416639	VCV xy	0.0000399356
		VCV xz	-0.0000327941	VCV yy	0.0000747846
		VCV yz	-0.0000522396	VCV zz	0.0000664497
GPSVEC	SO	Point ID 23049		DY	1698.749
		Class Stake out		Code toe-1	
		Obs L1 Fixed		V.pr 0.038	
			DZ -2167.297		
			H.pr 0.019		
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	12.5
		Horz SD		Vert SD	
		Start wk 1539	sec 153620.0	End wk 1539	sec 153625.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000365498	VCV xy	0.0000343246
		VCV xz	-0.0000289126	VCV yy	0.0000688387
		VCV yz	-0.0000479197	VCV zz	0.0000629595
PT DGN	SO	Name	34029	To the Point	
GRID D	SO	Delta N	-0.600	Delta E	0.334
		Delta Elv	-0.006		
GPSVEC	TP	Point ID 23050		DY	1697.403
		Class Normal		Code toe-2	
		Obs L1 Fixed		V.pr 0.038	
			DZ -2168.165		
			H.pr 0.019		
GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	21.3
		Horz SD		Vert SD	
		Start wk 1539	sec 153641.0	End wk 1539	sec 153646.0

GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.0000377495		VCV xy 0.0000358416
		VCV xz -0.0000298688		VCV yy 0.0000703335
		VCV yz -0.000048849		VCV zz 0.0000630497
GPSVEC	SO	Point ID 23051	DX -7423.381	DY 1679.164
		Class Stake out	DZ -2160.970	Code toe-1
		Obs L1 Fixed	H.pr 0.020	V.pr 0.040
GPSQC1	NM	Min SVs 8		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 6		VDOP max 1.2
		Monitor status Not monitored		RMS 18.8
		Horz SD		Vert SD
		Start wk 1539 sec 153713.0		End wk 1539 sec 153718.0
GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.0000417868		VCV xy 0.0000406982
		VCV xz -0.0000331066		VCV yy 0.0000765545
		VCV yz -0.0000527295		VCV zz 0.0000650842
PT DGN	SO	Name 34018		To the Point
GRID D	SO	Delta N 0.271	Delta E -0.098	
		Delta Elv 0.034		
GPSVEC	TP	Point ID 23052	DX -7423.785	DY 1677.812
		Class Normal	DZ -2161.899	Code toe-2
		Obs L1 Fixed	H.pr 0.020	V.pr 0.040
GPSQC1	NM	Min SVs 8		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 6		VDOP max 1.3
		Monitor status Not monitored		RMS 27.1
		Horz SD		Vert SD
		Start wk 1539 sec 153730.0		End wk 1539 sec 153735.0
GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.0000419965		VCV xy 0.0000410557
		VCV xz -0.0000332886		VCV yy 0.0000768958
		VCV yz -0.0000528755		VCV zz 0.000064836
GPSVEC	SO	Point ID 23053	DX -7372.608	DY 1661.056
		Class Stake out	DZ -2153.609	Code toe-1
		Obs L1 Fixed	H.pr 0.020	V.pr 0.041
GPSQC1	NM	Min SVs 8		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 5		VDOP max 1.3
		Monitor status Not monitored		RMS 27.5
		Horz SD		Vert SD
		Start wk 1539 sec 153820.0		End wk 1539 sec 153825.0
GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.0000440381		VCV xy 0.0000437891
		VCV xz -0.0000349877		VCV yy 0.0000808514
		VCV yz -0.0000550576		VCV zz 0.000065454
PT DGN	SO	Name 34019		To the Point
GRID D	SO	Delta N -0.303	Delta E 0.163	
		Delta Elv 0.014		
GPSVEC	TP	Point ID 23054	DX -7372.813	DY 1659.979
		Class Normal	DZ -2154.343	Code toe-2
		Obs L1 Fixed	H.pr 0.019	V.pr 0.041
GPSQC1	NM	Min SVs 8		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 6		VDOP max 1.3
		Monitor status Not monitored		RMS 23.8
		Horz SD		Vert SD
		Start wk 1539 sec 153838.0		End wk 1539 sec 153843.0
GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.0000438573		VCV xy 0.0000437291
		VCV xz -0.0000348595		VCV yy 0.0000806382
		VCV yz -0.0000548163		VCV zz 0.0000648429
GPSVEC	SO	Point ID 23055	DX -7317.815	DY 1641.061
		Class Stake out	DZ -2146.248	Code toe-1
		Obs L1 Fixed	H.pr 0.019	V.pr 0.036
GPSQC1	NM	Min SVs 8		PDOP max 1.3
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 5		VDOP max 1.1
		Monitor status Not monitored		RMS 17.6
		Horz SD		Vert SD
		Start wk 1539 sec 153894.0		End wk 1539 sec 153899.0
GPSQC2	NM	Ttl satellites 8		Err Scale 0.0099999998
		VCV xx 0.000031156		VCV xy 0.0000290421
		VCV xz -0.0000246011		VCV yy 0.0000639338
		VCV yz -0.0000429359		VCV zz 0.0000561394
PT DGN	SO	Name 34020		To the Point
GRID D	SO	Delta N -0.245	Delta E 0.030	
		Delta Elv 0.003		
GPSVEC	TP	Point ID 23056	DX -7318.298	DY 1639.737
		Class Normal	DZ -2147.078	Code toe-2
		Obs L1 Fixed	H.pr 0.019	V.pr 0.037

GPSQC1	NM	Min SVs	8	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	20.7
		Horz SD		Vert SD	
		Start wk 1539	sec 153910.0	End wk 1539	sec 153916.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000338667	VCV xy	0.0000323466
		VCV xz	-0.0000268148	VCV yy	0.0000675978
		VCV yz	-0.0000454043	VCV zz	0.0000574104
GPSVEC	SO	Point ID 23057		DY	1619.765
		Class Stake out		Code toe-1	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.039
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1539	sec 154031.0	End wk 1539	sec 154037.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000397767	VCV xy	0.0000397793
		VCV xz	-0.0000316314	VCV yy	0.000077258
		VCV yz	-0.0000513028	VCV zz	0.0000602227
PT DGN	SO	Name	34021	To the Point	
GRID D	SO	Delta N	-0.733	Delta E	-0.077
		Delta Elv	-0.040		
GPSVEC	TP	Point ID 23058		DY	1618.389
		Class Normal		Code toe-2	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.040
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	25.5
		Horz SD		Vert SD	
		Start wk 1539	sec 154049.0	End wk 1539	sec 154054.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000412007	VCV xy	0.0000415849
		VCV xz	-0.0000328063	VCV yy	0.0000794255
		VCV yz	-0.0000526893	VCV zz	0.0000609106
GPSVEC	SO	Point ID 23059		DY	1599.469
		Class Stake out		Code toe-1	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.038
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	25.2
		Horz SD		Vert SD	
		Start wk 1539	sec 154163.0	End wk 1539	sec 154168.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000369385	VCV xy	0.0000368715
		VCV xz	-0.0000292343	VCV yy	0.0000747831
		VCV yz	-0.0000486954	VCV zz	0.0000570956
PT DGN	SO	Name	34022	To the Point	
GRID D	SO	Delta N	-0.385	Delta E	0.354
		Delta Elv	-0.041		
GPSVEC	TP	Point ID 23060		DY	1597.809
		Class Normal		Code toe-2	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.039
GPSQC1	NM	Min SVs	7	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	26.8
		Horz SD		Vert SD	
		Start wk 1539	sec 154178.0	End wk 1539	sec 154187.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000384557	VCV xy	0.0000389932
		VCV xz	-0.0000305359	VCV yy	0.0000766676
		VCV yz	-0.0000499534	VCV zz	0.0000571651
GPSVEC	SO	Point ID 23061		DY	1580.433
		Class Stake out		Code toe-1	
		Obs L1 Fixed	H.pr 0.020	V.pr	0.047
GPSQC1	NM	Min SVs	7	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.5
		Monitor status	Not monitored	RMS	11.8
		Horz SD		Vert SD	
		Start wk 1539	sec 154259.0	End wk 1539	sec 154264.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0099999998
		VCV xx	0.0000588558	VCV xy	0.0000641833
		VCV xz	-0.0000475543	VCV yy	0.0001086494
		VCV yz	-0.0000711981	VCV zz	0.0000712934

PT DGN	SO	Name	34023	To the Point
GRID D	SO	Delta N	0.232	Delta E -0.102
		Delta Elv	0.024	
GPSVEC	SO	Point ID 23062	DX -6797.882	DY 1569.181
		Class Stake out	DZ -1861.619	Code 7-6-09chk
		Obs L1 Fixed	H.pr 0.020	V.pr 0.049
GPSQC1	NM	Min SVs 7	PDOP max 1.7	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 1.5	
		Monitor status Not monitored	RMS 9.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 154422.0	End wk 1539 sec 154427.0	
GPSQC2	NM	Ttl satellites 7	Err Scale 0.0099999998	
		VCV xx 0.00006462	VCV xy 0.0000728119	
		VCV xz -0.0000524387	VCV yy 0.0001208584	
		VCV yz -0.0000779385	VCV zz 0.0000735349	
PT DGN	SO	Name	23000	To the Point
GRID D	SO	Delta N	-0.056	Delta E 0.022
		Delta Elv	0.008	
SURVEY EVENTKISurvey event Survey ended				
NOTE	TS	Time Date 07/06/2009 Time 13:20:16		
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 1539	
		Init type On the fly	seconds 159645.0	
		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	SO	Point ID 23063	DX -6797.876	DY 1569.187
		Class Stake out	DZ -1861.610	Code 7-6-09chk
		Obs L1 Fixed	H.pr 0.020	V.pr 0.026
GPSQC1	NM	Min SVs 15	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 0.8	
		Monitor status Not monitored	RMS 16.1	
		Horz SD	Vert SD	
		Start wk 1539 sec 159678.0	End wk 1539 sec 159683.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.000017251	VCV xy 0.0000162913	
		VCV xz 0.0000021133	VCV yy 0.000055408	
		VCV yz -0.0000164789	VCV zz 0.0000280137	
PT DGN	SO	Name	23000	To the Point
GRID D	SO	Delta N	-0.067	Delta E 0.020
		Delta Elv	0.009	
GPSVEC	SO	Point ID 23064	DX -7527.220	DY 1819.477
		Class Stake out	DZ -2019.338	Code mid
		Obs L1 Fixed	H.pr 0.022	V.pr 0.027
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.8	
		Monitor status Not monitored	RMS 12.9	
		Horz SD	Vert SD	
		Start wk 1539 sec 160149.0	End wk 1539 sec 160154.0	

GPSQC2	NM	Ttl satellites 15		Err Scale 0.0099999998
		VCV xx 0.0000225021		VCV xy 0.0000205967
		VCV xz 0.00000294		VCV yy 0.0000591513
		VCV yz -0.0000162901		VCV zz 0.0000336785
LIN DGN	SO	Name 34012-34040	To the Line	
		Station 57.736	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.003
		D Elev 0.075	Grd to Line	1:0.043
GRID D	SO	Delta N 0.003	Delta E	0.001
		Delta Elv 0.075		
GPSVEC	SO	Point ID 23065	DX -7534.323	DY 1803.291
		Class Stake out	DZ -2039.760	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 11.1	
		Horz SD	Vert SD	
		Start wk 1539 sec 160251.0	End wk 1539 sec 160256.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000229414	VCV xy 0.0000202606	
		VCV xz 0.0000041282	VCV yy 0.0000615192	
		VCV yz -0.0000184514	VCV zz 0.0000387302	
LIN DGN	SO	Name 34040-34013	To the Line	
		Station 87.090	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.014
		D Elev 0.056	Grd to Line	1:0.242
GRID D	SO	Delta N 0.014	Delta E	0.000
		Delta Elv 0.056		
GPSVEC	SO	Point ID 23066	DX -7535.135	DY 1788.307
		Class Stake out	DZ -2056.408	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 12.0	
		Horz SD	Vert SD	
		Start wk 1539 sec 160305.0	End wk 1539 sec 160310.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000227923	VCV xy 0.000019926	
		VCV xz 0.0000043014	VCV yy 0.0000612025	
		VCV yz -0.000018778	VCV zz 0.0000394595	
LIN DGN	SO	Name 34040-34014	To the Line	
		Station 83.394	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.013
		D Elev 0.042	Grd to Line	1:0.305
GRID D	SO	Delta N 0.012	Delta E	-0.003
		Delta Elv 0.042		
GPSVEC	SO	Point ID 23067	DX -7528.386	DY 1766.077
		Class Stake out	DZ -2078.240	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 10	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 17.3	
		Horz SD	Vert SD	
		Start wk 1539 sec 160384.0	End wk 1539 sec 160389.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000225451	VCV xy 0.0000199961	
		VCV xz 0.0000035564	VCV yy 0.0000608841	
		VCV yz -0.0000183684	VCV zz 0.0000362853	
LIN DGN	SO	Name 34040-34015	To the Line	
		Station 80.299	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.055
		D Elev 0.035	Grd to Line	1:1.574
GRID D	SO	Delta N 0.045	Delta E	-0.032
		Delta Elv 0.035		
GPSVEC	SO	Point ID 23068	DX -7520.291	DY 1752.399
		Class Stake out	DZ -2091.311	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 18.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 160529.0	End wk 1539 sec 160534.0	

GPSQC2	NM	Ttl satellites 15		Err Scale 0.0099999998
		VCV xx 0.0000225349		VCV xy 0.000019135
		VCV xz 0.0000045185		VCV yy 0.0000603489
		VCV yz -0.0000198161		VCV zz 0.0000411926
LIN DGN	SO	Name 34040-34016	To the Line	
		Station 81.217	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.018
		D Elev 0.022	Grd to Line	1:0.798
GRID D	SO	Delta N -0.012	Delta E	0.014
		Delta Elv 0.022		
GPSVEC	SO	Point ID 23069	DX -7504.647	DY 1738.975
		Class Stake out	DZ -2096.518	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 12.0	
		Horz SD	Vert SD	
		Start wk 1539 sec 160711.0	End wk 1539 sec 160716.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000222169	VCV xy 0.0000184461	
		VCV xz 0.000004562	VCV yy 0.0000595443	
		VCV yz -0.0000208357	VCV zz 0.000042788	
LIN DGN	SO	Name 34017-34040	To the Line	
		Station 70.081	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.003
		D Elev 0.043	Grd to Line	1:0.061
GRID D	SO	Delta N -0.001	Delta E	0.002
		Delta Elv 0.043		
GPSVEC	SO	Point ID 23070	DX -7488.514	DY 1728.248
		Class Stake out	DZ -2099.908	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 19.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 160849.0	End wk 1539 sec 160854.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000217711	VCV xy 0.0000178319	
		VCV xz 0.0000044207	VCV yy 0.0000586474	
		VCV yz -0.0000215071	VCV zz 0.000043422	
LIN DGN	SO	Name 34040-34028	To the Line	
		Station 74.928	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.032
		D Elev 0.025	Grd to Line	1:1.267
GRID D	SO	Delta N -0.006	Delta E	0.031
		Delta Elv 0.025		
GPSVEC	SO	Point ID 23071	DX -7470.927	DY 1720.347
		Class Stake out	DZ -2098.874	Code mid
		Obs L1 Fixed	H.pr 0.024	V.pr 0.029
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 16.6	
		Horz SD	Vert SD	
		Start wk 1539 sec 160944.0	End wk 1539 sec 160949.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000217974	VCV xy 0.0000170134	
		VCV xz 0.0000056443	VCV yy 0.0000590692	
		VCV yz -0.0000244392	VCV zz 0.0000506782	
LIN DGN	SO	Name 34040-34029	To the Line	
		Station 72.861	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.029
		D Elev 0.076	Grd to Line	1:0.382
GRID D	SO	Delta N -0.002	Delta E	-0.029
		Delta Elv 0.076		
GPSVEC	SO	Point ID 23072	DX -7423.972	DY 1702.687
		Class Stake out	DZ -2094.033	Code mid
		Obs L1 Fixed	H.pr 0.024	V.pr 0.030
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 15.9	
		Horz SD	Vert SD	
		Start wk 1539 sec 161089.0	End wk 1539 sec 161094.0	

GPSQC2	NM	Ttl satellites 14		Err Scale 0.0099999998
		VCV xx 0.0000214529		VCV xy 0.0000165621
		VCV xz 0.000005342		VCV yy 0.0000590362
		VCV yz -0.0000259328		VCV zz 0.0000522363
LIN DGN	SO	Name 34018-34039	To the Line	
		Station 67.056	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.031
		D Elev 0.032	Grd to Line	1:0.971
GRID D	SO	Delta N 0.005	Delta E	0.031
		Delta Elv 0.032		
GPSVEC	SO	Point ID 23073	DX -7373.045	DY 1683.356
		Class Stake out	DZ -2089.485	Code mid
		Obs L1 Fixed	H.pr 0.023	V.pr 0.030
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 15.4	
		Horz SD	Vert SD	
		Start wk 1539 sec 161208.0	End wk 1539 sec 161213.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000211128	VCV xy 0.0000163104	
		VCV xz 0.0000048023	VCV yy 0.0000587726	
		VCV yz -0.0000265333	VCV zz 0.0000519095	
LIN DGN	SO	Name 34019-34038	To the Line	
		Station 64.710	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.005
		D Elev 0.042	Grd to Line	1:0.13
GRID D	SO	Delta N -0.001	Delta E	-0.005
		Delta Elv 0.042		
GPSVEC	SO	Point ID 23074	DX -7318.359	DY 1662.829
		Class Stake out	DZ -2083.853	Code mid
		Obs L1 Fixed	H.pr 0.022	V.pr 0.028
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 20.0	
		Horz SD	Vert SD	
		Start wk 1539 sec 161420.0	End wk 1539 sec 161425.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000200943	VCV xy 0.0000171501	
		VCV xz 0.000001574	VCV yy 0.0000556121	
		VCV yz -0.0000221416	VCV zz 0.0000410135	
LIN DGN	SO	Name 34020-34037	To the Line	
		Station 62.923	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.009
		D Elev 0.025	Grd to Line	1:0.366
GRID D	SO	Delta N 0.002	Delta E	0.009
		Delta Elv 0.025		
NOTE	TS	Time Date 07/06/2009 Time 13:51:31		
GPSVEC	SO	Point ID 23075	DX -7259.261	DY 1640.733
		Class Stake out	DZ -2077.622	Code mid
		Obs L1 Fixed	H.pr 0.021	V.pr 0.027
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 0.8	
		Monitor status Not monitored	RMS 17.7	
		Horz SD	Vert SD	
		Start wk 1539 sec 161499.0	End wk 1539 sec 161504.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000183784	VCV xy 0.0000148785	
		VCV xz 0.0000013741	VCV yy 0.0000515006	
		VCV yz -0.0000215201	VCV zz 0.0000398025	
LIN DGN	SO	Name 34021-34036	To the Line	
		Station 61.160	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.040
		D Elev 0.043	Grd to Line	1:0.946
GRID D	SO	Delta N -0.006	Delta E	-0.040
		Delta Elv 0.043		
GPSVEC	SO	Point ID 23076	DX -7203.498	DY 1619.947
		Class Stake out	DZ -2071.579	Code mid
		Obs L1 Fixed	H.pr 0.020	V.pr 0.027

GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	13.9
		Horz SD		Vert SD	
		Start wk 1539 sec 161588.0		End wk 1539 sec 161593.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.000017361	VCV xy	0.0000135997
		VCV xz	0.0000010872	VCV yy	0.0000488946
		VCV yz	-0.0000209843	VCV zz	0.0000386348
LIN DGN	SO	Name	34022-34035	To the Line	
		Station	59.665	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.003
		D Elev	0.064	Grd to Line	1:0.04
GRID D	SO	Delta N	0.000	Delta E	-0.002
		Delta Elv	0.064		
GPSVEC	SO	Point ID 23077	DX -7152.463	DY	1601.417
		Class Stake out	DZ -2064.471	Code mid	
		Obs L1 Fixed	H.pr 0.020	V.pr 0.027	
GPSQC1	NM	Min SVs	14	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	9.7
		Horz SD		Vert SD	
		Start wk 1539 sec 161722.0		End wk 1539 sec 161727.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000188061	VCV xy	0.0000163311
		VCV xz	-0.0000000671	VCV yy	0.0000522977
		VCV yz	-0.0000212648	VCV zz	0.0000371842
LIN DGN	SO	Name	34023-34034	To the Line	
		Station	59.848	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.033
		D Elev	0.034	Grd to Line	1:0.962
GRID D	SO	Delta N	-0.005	Delta E	-0.033
		Delta Elv	0.034		
GPSVEC	TP	Point ID 23078	DX -7152.735	DY	1579.331
		Class Normal	DZ -2125.024	Code toe-2	
		Obs L1 Fixed	H.pr 0.020	V.pr 0.028	
GPSQC1	NM	Min SVs	9	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	19.7
		Horz SD		Vert SD	
		Start wk 1539 sec 161774.0		End wk 1539 sec 161779.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000198816	VCV xy	0.0000183037
		VCV xz	-0.0000007287	VCV yy	0.000055459
		VCV yz	-0.0000220067	VCV zz	0.0000368916
GPSVEC	SO	Point ID 23079	DX -7102.540	DY	1562.822
		Class Stake out	DZ -2117.040	Code toe-1	
		Obs L1 Fixed	H.pr 0.020	V.pr 0.028	
GPSQC1	NM	Min SVs	9	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	16.4
		Horz SD		Vert SD	
		Start wk 1539 sec 161828.0		End wk 1539 sec 161833.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000176761	VCV xy	0.0000161502
		VCV xz	-0.0000006746	VCV yy	0.0000531126
		VCV yz	-0.000021692	VCV zz	0.0000363054
PT DGN	SO	Name	34024	To the Point	
GRID D	SO	Delta N	-0.375	Delta E	-0.075
		Delta Elv	0.019		
GPSVEC	TP	Point ID 23080	DX -7103.066	DY	1561.505
		Class Normal	DZ -2117.959	Code toe-2	
		Obs L1 Fixed	H.pr 0.020	V.pr 0.028	
GPSQC1	NM	Min SVs	14	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	15.7
		Horz SD		Vert SD	
		Start wk 1539 sec 161845.0		End wk 1539 sec 161850.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000181082	VCV xy	0.0000167396
		VCV xz	-0.0000008964	VCV yy	0.0000535214
		VCV yz	-0.0000217176	VCV zz	0.0000359535


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GPSVEC SO Point ID 23081      DX -7103.171      DY 1583.510
        Class Stake out      DZ -2057.745      Code mid
        Obs L1 Fixed         H.pr 0.020      V.pr 0.028

GPSQC1 NM Min SVs          14      PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6      VDOP max 0.9
        Monitor status Not monitored RMS 15.9
        Horz SD      Vert SD
        Start wk 1539 sec 161928.0 End wk 1539 sec 161933.0

GPSQC2 NM Ttl satellites 14      Err Scale 0.0099999998
        VCV xx 0.0000196938 VCV xy 0.0000186679
        VCV xz -0.0000016891 VCV yy 0.0000560987
        VCV yz -0.0000225383 VCV zz 0.0000360137

LIN DGN SO Name 34024-34033      To the Line
        Station 59.909      H.Offset <null>
        Elv <null>

LIN D SO D Station <null>      D Offset -0.009
        D Elev 0.041      Grd to Line 1:0.223

GRID D SO Delta N -0.001      Delta E -0.009
        Delta Elv 0.041

GPSVEC TP Point ID 23082      DX -7103.742      DY 1591.857
        Class Normal      DZ -2046.400      Code battery-swap
        Obs L1 Fixed      H.pr 0.020      V.pr 0.028

GPSQC1 NM Min SVs          14      PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6      VDOP max 0.9
        Monitor status Not monitored RMS 13.9
        Horz SD      Vert SD
        Start wk 1539 sec 161991.0 End wk 1539 sec 161996.0

GPSQC2 NM Ttl satellites 14      Err Scale 0.0099999998
        VCV xx 0.0000197451 VCV xy 0.0000188184
        VCV xz -0.0000020843 VCV yy 0.000056083
        VCV yz -0.0000226871 VCV zz 0.0000356701

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 1539
        Init type On the fly      seconds 162083.0
        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 SO Point ID 23083      DX -7103.738      DY 1591.854
        Class Stake out      DZ -2046.388      Code battery-swap-chk
        Obs L1 Fixed      H.pr 0.020      V.pr 0.028

GPSQC1 NM Min SVs          14      PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6      VDOP max 0.9
        Monitor status Not monitored RMS 11.8
        Horz SD      Vert SD
        Start wk 1539 sec 162101.0 End wk 1539 sec 162106.0

GPSQC2 NM Ttl satellites 14      Err Scale 0.0099999998
        VCV xx 0.0000200799 VCV xy 0.0000193707
        VCV xz -0.0000026321 VCV yy 0.0000560567
        VCV yz -0.0000223615 VCV zz 0.0000347416

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PT DGN	SO	Name	23082	To the Point
GRID D	SO	Delta N	-0.009	Delta E -0.005
		Delta Elv	-0.008	
GPSVEC	SO	Point ID 23084	DX -7038.015	DY 1560.797
		Class Stake out	DZ -2046.019	Code mid
		Obs L1 Fixed	H.pr 0.019	V.pr 0.028
GPSQC1	NM	Min SVs 14	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 14.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 162224.0	End wk 1539 sec 162230.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000192898	VCV xy 0.0000185805	
		VCV xz -0.000003171	VCV yy 0.0000543781	
		VCV yz -0.0000223417	VCV zz 0.0000339631	
LIN DGN	SO	Name	34025-34032	To the Line
		Station	62.821	H.Offset <null>
		Elv	<null>	
LIN D	SO	D Station	<null>	D Offset -0.013
		D Elev	0.027	Grd to Line 1:0.468
GRID D	SO	Delta N	-0.002	Delta E -0.013
		Delta Elv	0.027	
GPSVEC	SO	Point ID 23085	DX -7037.432	DY 1539.272
		Class Stake out	DZ -2108.080	Code toe-1
		Obs L1 Fixed	H.pr 0.019	V.pr 0.028
GPSQC1	NM	Min SVs 9	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 13.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 162354.0	End wk 1539 sec 162360.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000189125	VCV xy 0.0000182344	
		VCV xz -0.0000037271	VCV yy 0.0000534695	
		VCV yz -0.0000223638	VCV zz 0.0000333893	
PT DGN	SO	Name	34025	To the Point
GRID D	SO	Delta N	-0.558	Delta E 0.055
		Delta Elv	0.033	
GPSVEC	TP	Point ID 23086	DX -7037.790	DY 1537.873
		Class Normal	DZ -2109.052	Code toe-2
		Obs L1 Fixed	H.pr 0.019	V.pr 0.028
GPSQC1	NM	Min SVs 9	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 14.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 162378.0	End wk 1539 sec 162383.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000188113	VCV xy 0.0000181352	
		VCV xz -0.0000038222	VCV yy 0.0000531569	
		VCV yz -0.0000222871	VCV zz 0.0000332135	
GPSVEC	SO	Point ID 23087	DX -6989.441	DY 1521.840
		Class Stake out	DZ -2101.467	Code toe-1
		Obs L1 Fixed	H.pr 0.019	V.pr 0.028
GPSQC1	NM	Min SVs 14	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 14.5	
		Horz SD	Vert SD	
		Start wk 1539 sec 162485.0	End wk 1539 sec 162490.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000179106	VCV xy 0.0000170697	
		VCV xz -0.0000040017	VCV yy 0.0000516444	
		VCV yz -0.0000221196	VCV zz 0.0000328847	
PT DGN	SO	Name	34026	To the Point
GRID D	SO	Delta N	-0.617	Delta E 0.394
		Delta Elv	-0.024	
GPSVEC	TP	Point ID 23088	DX -6989.727	DY 1520.225
		Class Normal	DZ -2102.507	Code toe-2
		Obs L1 Fixed	H.pr 0.018	V.pr 0.027
GPSQC1	NM	Min SVs 14	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 15.3	
		Horz SD	Vert SD	
		Start wk 1539 sec 162505.0	End wk 1539 sec 162511.0	

GPSQC2	NM	Ttl satellites 14		Err Scale	0.0099999998
		VCV xx 0.0000178948		VCV xy	0.0000171231
		VCV xz -0.0000041227		VCV yy	0.0000513054
		VCV yz -0.0000219804		VCV zz	0.000032512
GPSVEC	SO	Point ID 23089	DX -6989.715	DY	1542.347
		Class Stake out	DZ -2042.013	Code mid	
		Obs L1 Fixed	H.pr 0.018	V.pr	0.026
GPSQC1	NM	Min SVs 10		PDOP max	1.0
		Relative DOPs Yes		HDOP max	0.6
		Total GPS pos 5		VDOP max	0.8
		Monitor status Not monitored		RMS	11.6
		Horz SD		Vert SD	
		Start wk 1539 sec 162687.0		End wk 1539 sec 162692.0	
GPSQC2	NM	Ttl satellites 10		Err Scale	0.0099999998
		VCV xx 0.0000177083		VCV xy	0.0000159717
		VCV xz -0.0000044136		VCV yy	0.0000450954
		VCV yz -0.0000199326		VCV zz	0.0000310895
LIN DGN	SO	Name 34026-34031		To the Line	
		Station 60.280		H.Offset	<null>
		Elv <null>			
LIN D	SO	D Station <null>		D Offset	0.005
		D Elev 0.022		Grd to Line	1:0.204
GRID D	SO	Delta N 0.001		Delta E	0.004
		Delta Elv 0.022			
GPSVEC	SO	Point ID 23090	DX -6946.091	DY	1528.467
		Class Stake out	DZ -2030.365	Code mid	
		Obs L1 Fixed	H.pr 0.018	V.pr	0.026
GPSQC1	NM	Min SVs 10		PDOP max	1.0
		Relative DOPs Yes		HDOP max	0.6
		Total GPS pos 5		VDOP max	0.8
		Monitor status Not monitored		RMS	14.9
		Horz SD		Vert SD	
		Start wk 1539 sec 162839.0		End wk 1539 sec 162844.0	
GPSQC2	NM	Ttl satellites 10		Err Scale	0.0099999998
		VCV xx 0.0000175145		VCV xy	0.0000158244
		VCV xz -0.0000049777		VCV yy	0.0000442593
		VCV yz -0.0000198991		VCV zz	0.0000306503
LIN DGN	SO	Name 34027-34030		To the Line	
		Station 66.049		H.Offset	<null>
		Elv <null>			
LIN D	SO	D Station <null>		D Offset	-0.028
		D Elev 0.029		Grd to Line	1:0.977
GRID D	SO	Delta N -0.004		Delta E	-0.028
		Delta Elv 0.029			
GPSVEC	SO	Point ID 23091	DX -6945.494	DY	1505.814
		Class Stake out	DZ -2095.621	Code toe-1	
		Obs L1 Fixed	H.pr 0.018	V.pr	0.027
GPSQC1	NM	Min SVs 9		PDOP max	1.0
		Relative DOPs Yes		HDOP max	0.5
		Total GPS pos 5		VDOP max	0.9
		Monitor status Not monitored		RMS	8.9
		Horz SD		Vert SD	
		Start wk 1539 sec 162998.0		End wk 1539 sec 163003.0	
GPSQC2	NM	Ttl satellites 14		Err Scale	0.0099999998
		VCV xx 0.0000177527		VCV xy	0.0000171088
		VCV xz -0.0000061613		VCV yy	0.0000495811
		VCV yz -0.0000224869		VCV zz	0.0000316016
PT DGN	SO	Name 34027		To the Point	
GRID D	SO	Delta N -0.567		Delta E	0.058
		Delta Elv 0.015			
GPSVEC	TP	Point ID 23092	DX -6945.908	DY	1504.188
		Class Normal	DZ -2096.808	Code toe-2	
		Obs L1 Fixed	H.pr 0.018	V.pr	0.027
GPSQC1	NM	Min SVs 14		PDOP max	1.0
		Relative DOPs Yes		HDOP max	0.5
		Total GPS pos 5		VDOP max	0.9
		Monitor status Not monitored		RMS	13.7
		Horz SD		Vert SD	
		Start wk 1539 sec 163019.0		End wk 1539 sec 163024.0	
GPSQC2	NM	Ttl satellites 14		Err Scale	0.0099999998
		VCV xx 0.0000175697		VCV xy	0.0000170074
		VCV xz -0.0000062254		VCV yy	0.000049372
		VCV yz -0.0000224588		VCV zz	0.0000313595
GPSVEC	SO	Point ID 23093	DX -6931.571	DY	1500.462
		Class Stake out	DZ -2094.000	Code toe-1	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.027

GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	13.9
		Horz SD		Vert SD	
		Start wk 1539 sec 163163.0		End wk 1539 sec 163168.0	

GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000174726	VCV xy	0.0000167592
		VCV xz	-0.0000064543	VCV yy	0.0000480906
		VCV yz	-0.0000219981	VCV zz	0.0000300964

DTM DGN	SO	DTM	7-2-09 PH2+3A Wa	V.Offset	0.000
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DTM DELTASO	V.Distance	0.023
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GPSVEC	SO	Point ID 23094	DX -6929.025	DY 1511.295
		Class Stake out	DZ -2059.660	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.025

GPSQC1	NM	Min SVs	16	PDOP max	0.9
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	17.6
		Horz SD		Vert SD	
		Start wk 1539 sec 163240.0		End wk 1539 sec 163245.0	

GPSQC2	NM	Ttl satellites	16	Err Scale	0.0099999998
		VCV xx	0.0000169586	VCV xy	0.000014229
		VCV xz	-0.0000057464	VCV yy	0.0000365232
		VCV yz	-0.0000175588	VCV zz	0.000028547

DTM DGN	SO	DTM	7-2-09 PH2+3A Wa	V.Offset	0.000
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DTM DELTASO	V.Distance	0.013
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NOTE	TS	Time Date 07/06/2009 Time 14:23:18
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GPSVEC	SO	Point ID 23095	DX -6889.144	DY 1498.623
		Class Stake out	DZ -2048.611	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.026

GPSQC1	NM	Min SVs	16	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1539 sec 163398.0		End wk 1539 sec 163403.0	

GPSQC2	NM	Ttl satellites	16	Err Scale	0.0099999998
		VCV xx	0.0000172774	VCV xy	0.0000156773
		VCV xz	-0.0000068347	VCV yy	0.0000420336
		VCV yz	-0.0000199758	VCV zz	0.0000293553

LIN DGN	SO	Name	33118-33000	To the Line	
		Station	40.301	H.Offset	<null>
		Elv	<null>		

LIN D	SO	D Station	<null>	D Offset	0.013
		D Elev	0.024	Grd to Line	1:0.527

GRID D	SO	Delta N	0.002	Delta E	0.012
		Delta Elv	0.024		

GPSVEC	SO	Point ID 23096	DX -6849.495	DY 1484.452
		Class Stake out	DZ -2041.926	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.026

GPSQC1	NM	Min SVs	10	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	18.0
		Horz SD		Vert SD	
		Start wk 1539 sec 163491.0		End wk 1539 sec 163506.0	

GPSQC2	NM	Ttl satellites	16	Err Scale	0.0099999998
		VCV xx	0.0000165113	VCV xy	0.0000151193
		VCV xz	-0.0000068905	VCV yy	0.0000403644
		VCV yz	-0.000019379	VCV zz	0.0000280986

LIN DGN	SO	Name	33117-33001	To the Line	
		Station	42.151	H.Offset	<null>
		Elv	<null>		

LIN D	SO	D Station	<null>	D Offset	0.027
		D Elev	0.050	Grd to Line	1:0.544

GRID D	SO	Delta N	0.004	Delta E	0.027
		Delta Elv	0.050		

GPSVEC	SO	Point ID 23097	DX -6802.736	DY 1468.477
		Class Stake out	DZ -2031.722	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.026

GPSQC1	NM	Min SVs	16	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	9.4
		Horz SD		Vert SD	
		Start wk 1539 sec 163697.0		End wk 1539 sec 163702.0	

GPSQC2	NM	Ttl satellites 16		Err Scale 0.0099999998
		VCV xx 0.00001714		VCV xy 0.00001579
		VCV xz -0.0000077856		VCV yy 0.0000415095
		VCV yz -0.0000202804		VCV zz 0.0000290411
LIN DGN	SO	Name 33116-33002	To the Line	
		Station 46.625	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.019
		D Elev 0.020	Grd to Line	1:0.971
GRID D	SO	Delta N -0.003	Delta E	-0.019
		Delta Elv 0.020		
GPSVEC	SO	Point ID 23098	DX -6767.381	DY 1455.077
		Class Stake out	DZ -2028.036	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.026
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.8	
		Monitor status Not monitored	RMS 9.8	
		Horz SD	Vert SD	
		Start wk 1539 sec 163803.0	End wk 1539 sec 163808.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000171696	VCV xy 0.0000158699	
		VCV xz -0.0000081358	VCV yy 0.0000413682	
		VCV yz -0.0000204239	VCV zz 0.0000290623	
LIN DGN	SO	Name 33115-33003	To the Line	
		Station 46.005	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.025
		D Elev 0.065	Grd to Line	1:0.384
GRID D	SO	Delta N -0.003	Delta E	-0.025
		Delta Elv 0.065		
GPSVEC	SO	Point ID 23099	DX -6731.905	DY 1440.821
		Class Stake out	DZ -2026.524	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.026
GPSQC1	NM	Min SVs 10	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.8	
		Monitor status Not monitored	RMS 12.3	
		Horz SD	Vert SD	
		Start wk 1539 sec 163938.0	End wk 1539 sec 163943.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000169912	VCV xy 0.0000158173	
		VCV xz -0.0000085455	VCV yy 0.000041105	
		VCV yz -0.0000206196	VCV zz 0.0000288244	
LIN DGN	SO	Name 33114-33015	To the Line	
		Station 43.157	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.057
		D Elev 0.059	Grd to Line	1:0.965
GRID D	SO	Delta N -0.008	Delta E	-0.057
		Delta Elv 0.059		
GPSVEC	SO	Point ID 23100	DX -6683.961	DY 1422.078
		Class Stake out	DZ -2022.897	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.026
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		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 1539 sec 164027.0	End wk 1539 sec 164032.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000168693	VCV xy 0.000015778	
		VCV xz -0.0000088276	VCV yy 0.0000407602	
		VCV yz -0.0000206741	VCV zz 0.0000289552	
LIN DGN	SO	Name 33113-33054	To the Line	
		Station 40.882	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.037
		D Elev 0.032	Grd to Line	1:1.157
GRID D	SO	Delta N -0.005	Delta E	-0.037
		Delta Elv 0.032		
GPSVEC	SO	Point ID 23101	DX -6639.318	DY 1404.714
		Class Stake out	DZ -2019.321	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.027
GPSQC1	NM	Min SVs 15	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.8	
		Monitor status Not monitored	RMS 20.3	
		Horz SD	Vert SD	
		Start wk 1539 sec 164163.0	End wk 1539 sec 164168.0	

GPSQC2	NM	Ttl satellites 15		Err Scale 0.0099999998
		VCV xx 0.0000183365		VCV xy 0.0000176223
		VCV xz -0.0000098921		VCV yy 0.0000427278
		VCV yz -0.0000217604		VCV zz 0.0000293467
LIN DGN	SO	Name 33112-33053	To the Line	
		Station 38.975	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.063
		D Elev 0.023	Grd to Line	1:2.769
GRID D	SO	Delta N -0.008	Delta E	-0.062
		Delta Elv 0.023		
GPSVEC	SO	Point ID 23102	DX -6580.052	DY 1382.276
		Class Stake out	DZ -2013.027	Code mid
		Obs L1 Fixed	H.pr 0.015	V.pr 0.025
GPSQC1	NM	Min SVs 16	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.8	
		Monitor status Not monitored	RMS 8.1	
		Horz SD	Vert SD	
		Start wk 1539 sec 164309.0	End wk 1539 sec 164315.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000157783	VCV xy 0.0000143641	
		VCV xz -0.0000088929	VCV yy 0.0000380334	
		VCV yz -0.0000200307	VCV zz 0.0000285712	
LIN DGN	SO	Name 33111-33052	To the Line	
		Station 38.042	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.004
		D Elev 0.052	Grd to Line	1:0.072
GRID D	SO	Delta N 0.001	Delta E	0.004
		Delta Elv 0.052		
GPSVEC	SO	Point ID 23103	DX -6529.448	DY 1363.895
		Class Stake out	DZ -2005.559	Code mid
		Obs L1 Fixed	H.pr 0.015	V.pr 0.027
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 11.3	
		Horz SD	Vert SD	
		Start wk 1539 sec 164820.0	End wk 1539 sec 164825.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000178416	VCV xy 0.0000173887	
		VCV xz -0.0000011499	VCV yy 0.0000419771	
		VCV yz -0.0000228818	VCV zz 0.0000307006	
LIN DGN	SO	Name 33110-33051	To the Line	
		Station 39.335	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.062
		D Elev 0.018	Grd to Line	1:3.446
GRID D	SO	Delta N -0.010	Delta E	-0.061
		Delta Elv 0.018		
GPSVEC	SO	Point ID 23104	DX -6482.498	DY 1345.893
		Class Stake out	DZ -2002.304	Code mid
		Obs L1 Fixed	H.pr 0.015	V.pr 0.026
GPSQC1	NM	Min SVs 16	PDOP max 0.9	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.8	
		Monitor status Not monitored	RMS 10.0	
		Horz SD	Vert SD	
		Start wk 1539 sec 165186.0	End wk 1539 sec 165195.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000156092	VCV xy 0.0000148155	
		VCV xz -0.0000110647	VCV yy 0.0000383644	
		VCV yz -0.0000220067	VCV zz 0.0000305213	
LIN DGN	SO	Name 33109-33050	To the Line	
		Station 36.892	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.011
		D Elev 0.011	Grd to Line	1:0.997
GRID D	SO	Delta N 0.002	Delta E	0.011
		Delta Elv 0.011		
NOTE	TS	Time Date 07/06/2009 Time 14:56:08		
GPSVEC	SO	Point ID 23105	DX -6433.782	DY 1328.349
		Class Stake out	DZ -1995.960	Code mid
		Obs L1 Fixed	H.pr 0.015	V.pr 0.027

GPSQC1	NM	Min SVs	16	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1539 sec 165372.0		End wk 1539 sec 165377.0	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0099999998
		VCV xx	0.0000160328	VCV xy	0.0000153785
		VCV xz	-0.0000116817	VCV yy	0.0000394835
		VCV yz	-0.0000229172	VCV zz	0.0000315417
LIN DGN	SO	Name	33108-33049	To the Line	
		Station	37.397	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.040
		D Elev	0.034	Grd to Line	1:1.183
GRID D	SO	Delta N	0.006	Delta E	0.040
		Delta Elv	0.034		
GPSVEC	SO	Point ID 23106	DX -6380.060	DY	1308.048
		Class Stake out	DZ -1991.839	Code mid	
		Obs L1 Fixed	H.pr 0.015	V.pr	0.027
GPSQC1	NM	Min SVs	10	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	10.5
		Horz SD		Vert SD	
		Start wk 1539 sec 165488.0		End wk 1539 sec 165494.0	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000158104	VCV xy	0.0000150452
		VCV xz	-0.0000116379	VCV yy	0.0000389162
		VCV yz	-0.0000227832	VCV zz	0.0000315487
LIN DGN	SO	Name	33107-33055	To the Line	
		Station	35.091	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.048
		D Elev	0.063	Grd to Line	1:0.775
GRID D	SO	Delta N	-0.008	Delta E	-0.048
		Delta Elv	0.063		
GPSVEC	SO	Point ID 23107	DX -6340.078	DY	1293.394
		Class Stake out	DZ -1987.651	Code mid	
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	10.7
		Horz SD		Vert SD	
		Start wk 1539 sec 165609.0		End wk 1539 sec 165614.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000189824	VCV xy	0.0000198189
		VCV xz	-0.0000142861	VCV yy	0.0000460746
		VCV yz	-0.0000267071	VCV zz	0.0000338134
LIN DGN	SO	Name	33106-33076	To the Line	
		Station	34.330	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.020
		D Elev	0.050	Grd to Line	1:0.412
GRID D	SO	Delta N	0.004	Delta E	0.020
		Delta Elv	0.050		
GPSVEC	SO	Point ID 23108	DX -6305.397	DY	1281.120
		Class Stake out	DZ -1983.116	Code mid	
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	9.7
		Horz SD		Vert SD	
		Start wk 1539 sec 165716.0		End wk 1539 sec 165721.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000193466	VCV xy	0.0000204797
		VCV xz	-0.0000148423	VCV yy	0.0000473722
		VCV yz	-0.0000276395	VCV zz	0.000034613
LIN DGN	SO	Name	33105-33075	To the Line	
		Station	34.553	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.077
		D Elev	0.054	Grd to Line	1:1.416
GRID D	SO	Delta N	-0.014	Delta E	-0.075
		Delta Elv	0.054		
GPSVEC	SO	Point ID 23109	DX -6275.524	DY	1268.490
		Class Stake out	DZ -1985.128	Code mid	
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029

GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	16.1
		Horz SD		Vert SD	
		Start wk 1539 sec 165867.0		End wk 1539 sec 165872.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000189282	VCV xy	0.0000200536
		VCV xz	-0.0000148782	VCV yy	0.0000471425
		VCV yz	-0.0000278564	VCV zz	0.0000350905
LIN DGN	SO	Name	33104-33074	To the Line	
		Station	28.800	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.027
		D Elev	0.051	Grd to Line	1:0.542
GRID D	SO	Delta N	-0.005	Delta E	-0.027
		Delta Elv	0.051		
GPSVEC	SO	Point ID 23110	DX -6274.902	DY	1258.305
		Class Stake out	DZ -2013.705	Code toe-1	
		Obs L1 Fixed	H.pr 0.015	V.pr 0.031	
GPSQC1	NM	Min SVs	15	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	16.2
		Horz SD		Vert SD	
		Start wk 1539 sec 166006.0		End wk 1539 sec 166011.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000204847	VCV xy	0.000022685
		VCV xz	-0.0000165245	VCV yy	0.0000515591
		VCV yz	-0.0000305489	VCV zz	0.0000368559
PT DGN	SO	Name	33104	To the Point	
GRID D	SO	Delta N	-0.001	Delta E	0.008
		Delta Elv	0.014		
GPSVEC	TP	Point ID 23111	DX -6275.610	DY	1256.239
		Class Normal	DZ -2015.143	Code toe-2	
		Obs L1 Fixed	H.pr 0.015	V.pr 0.031	
GPSQC1	NM	Min SVs	15	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	14.5
		Horz SD		Vert SD	
		Start wk 1539 sec 166050.0		End wk 1539 sec 166055.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000206428	VCV xy	0.0000230026
		VCV xz	-0.0000167645	VCV yy	0.0000522203
		VCV yz	-0.0000310051	VCV zz	0.0000372075
GPSVEC	SO	Point ID 23112	DX -6797.866	DY	1569.159
		Class Stake out	DZ -1861.635	Code 7-6-09postchk	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.032	
GPSQC1	NM	Min SVs	10	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.0
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1539 sec 166468.0		End wk 1539 sec 166475.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000215617	VCV xy	0.000024043
		VCV xz	-0.0000181178	VCV yy	0.000053421
		VCV yz	-0.0000326173	VCV zz	0.0000402116
PT DGN	SO	Name	23000	To the Point	
GRID D	SO	Delta N	-0.035	Delta E	-0.002
		Delta Elv	0.007		
SURVEY	EVENTKISurvey event	Survey ended			
NOTE	TS	Time Date	07/06/2009	Time	15:27:39
NOTE	TS	Time Date	07/27/2009	Time	09:25:30
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	1542
		Init type	On the fly	seconds	145565.0
		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	SO	Point ID 23113	DX -6175.681	DY	1205.130
		Class Stake out	DZ -2024.119	Code	7-27-09prechk
		Obs L1 Fixed	H.pr 0.020	V.pr	0.026
GPSQC1	NM	Min SVs	8	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	13.3
		Horz SD		Vert SD	
		Start wk 1542 sec 145650.0		End wk 1542 sec 145658.0	
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000217242	VCV xy	0.0000139579
		VCV xz	-0.0000080526	VCV yy	0.000032629
		VCV yz	-0.0000200997	VCV zz	0.0000463433
PT DGN	SO	Name	106	To the Point	
GRID D	SO	Delta N	-0.025	Delta E	-0.019
		Delta Elv	-0.029		
GPSVEC	SO	Point ID 23114	DX -6380.203	DY	1310.824
		Class Stake out	DZ -1983.865	Code	1st Toe
		Obs L1 Fixed	H.pr 0.020	V.pr	0.029
GPSQC1	NM	Min SVs	7	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	13.4
		Horz SD		Vert SD	
		Start wk 1542 sec 145953.0		End wk 1542 sec 145958.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000222985	VCV xy	0.0000149639
		VCV xz	-0.0000106793	VCV yy	0.0000363091
		VCV yz	-0.0000279572	VCV zz	0.0000582294
PT DGN	SO	Name	33055	To the Point	
GRID D	SO	Delta N	0.030	Delta E	0.007
		Delta Elv	0.023		
GPSVEC	TP	Point ID 23115	DX -6368.967	DY	1308.313
		Class Normal	DZ -1980.090	Code	1st Toe
		Obs L1 Fixed	H.pr 0.020	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	18.0
		Horz SD		Vert SD	
		Start wk 1542 sec 146075.0		End wk 1542 sec 146080.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.000022256	VCV xy	0.0000153117
		VCV xz	-0.0000113414	VCV yy	0.0000378233
		VCV yz	-0.0000304125	VCV zz	0.0000612785
GPSVEC	SO	Point ID 23116	DX -6340.228	DY	1296.843
		Class Stake out	DZ -1977.956	Code	1st Top
		Obs L1 Fixed	H.pr 0.020	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	29.7
		Horz SD		Vert SD	
		Start wk 1542 sec 146208.0		End wk 1542 sec 146214.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000220246	VCV xy	0.0000154583
		VCV xz	-0.0000117771	VCV yy	0.0000380133
		VCV yz	-0.0000311443	VCV zz	0.0000611216

PT DGN	SO	Name	33076	To the Point	
GRID D	SO	Delta N	-0.021	Delta E	-0.043
		Delta Elv	0.073		
GPSVEC	SO	Point ID 23117	DX -6305.734	DY	1284.863
		Class Stake out	DZ -1972.567	Code	1st Top
		Obs L1 Fixed	H.pr 0.020	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.0
		Horz SD		Vert SD	
		Start wk 1542 sec	146246.0	End wk 1542 sec	146251.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000221613	VCV xy	0.0000156225
		VCV xz	-0.0000119089	VCV yy	0.0000383464
		VCV yz	-0.0000315337	VCV zz	0.0000617224
PT DGN	SO	Name	33075	To the Point	
GRID D	SO	Delta N	0.026	Delta E	0.001
		Delta Elv	0.020		
GPSVEC	SO	Point ID 23118	DX -6275.941	DY	1274.609
		Class Stake out	DZ -1967.896	Code	1st Top
		Obs L1 Fixed	H.pr 0.020	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	12.7
		Horz SD		Vert SD	
		Start wk 1542 sec	146309.0	End wk 1542 sec	146314.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000221442	VCV xy	0.0000157555
		VCV xz	-0.0000121313	VCV yy	0.0000385249
		VCV yz	-0.000031852	VCV zz	0.0000615493
PT DGN	SO	Name	33074	To the Point	
GRID D	SO	Delta N	-0.014	Delta E	-0.014
		Delta Elv	0.032		
GPSVEC	SO	Point ID 23119	DX -6246.264	DY	1264.337
		Class Stake out	DZ -1963.263	Code	1st Top
		Obs L1 Fixed	H.pr 0.020	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk 1542 sec	146386.0	End wk 1542 sec	146391.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000222082	VCV xy	0.0000159822
		VCV xz	-0.0000124334	VCV yy	0.000038873
		VCV yz	-0.0000322995	VCV zz	0.0000614763
PT DGN	SO	Name	33073	To the Point	
GRID D	SO	Delta N	-0.003	Delta E	-0.040
		Delta Elv	0.015		
GPSVEC	SO	Point ID 23120	DX -6242.511	DY	1256.516
		Class Stake out	DZ -1981.644	Code	mid
		Obs L1 Fixed	H.pr 0.020	V.pr	0.031
GPSQC1	NM	Min SVs	11	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	12.4
		Horz SD		Vert SD	
		Start wk 1542 sec	146469.0	End wk 1542 sec	146474.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000223956	VCV xy	0.0000163256
		VCV xz	-0.0000128317	VCV yy	0.0000394521
		VCV yz	-0.0000328981	VCV zz	0.0000615221
LIN DGN	SO	Name	33073-33103	To the Line	
		Station	19.312	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.051
		D Elev	0.052	Grd to Line	1:0.976
GRID D	SO	Delta N	0.018	Delta E	0.047
		Delta Elv	0.052		
GPSVEC	SO	Point ID 23121	DX -6236.765	DY	1244.727
		Class Stake out	DZ -2008.975	Code	toe-1
		Obs L1 Fixed	H.pr 0.019	V.pr	0.029

GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	21.8
		Horz SD		Vert SD	
		Start wk 1542 sec	146583.0	End wk 1542 sec	146588.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.000022617	VCV xy	0.0000163155
		VCV xz	-0.0000125619	VCV yy	0.0000365386
		VCV yz	-0.0000279546	VCV zz	0.0000527726
PT DGN	SO	Name	33103	To the Point	
GRID D	SO	Delta N	0.003	Delta E	-0.008
		Delta Elv	0.016		
NOTE	NM	Modified	9:44:13 AM 7/27/2009		
NOTE	NM	Old values toe			
GPSVEC	TP	Point ID 23122	DX -6236.498	DY	1243.043
		Class Normal	DZ -2009.658	Code toe-2	
		Obs L1 Fixed	H.pr 0.019	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.3
		Horz SD		Vert SD	
		Start wk 1542 sec	146680.0	End wk 1542 sec	146685.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000228291	VCV xy	0.0000167072
		VCV xz	-0.0000129824	VCV yy	0.0000370178
		VCV yz	-0.0000283086	VCV zz	0.0000521791
GPSVEC	SO	Point ID 23123	DX -6188.298	DY	1238.922
		Class Stake out	DZ -1989.163	Code toe-1	
		Obs L1 Fixed	H.pr 0.019	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	13.1
		Horz SD		Vert SD	
		Start wk 1542 sec	146758.0	End wk 1542 sec	146763.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000228831	VCV xy	0.0000169264
		VCV xz	-0.0000132013	VCV yy	0.0000371354
		VCV yz	-0.0000283097	VCV zz	0.0000513106
PT DGN	SO	Name	33102	To the Point	
GRID D	SO	Delta N	0.009	Delta E	-0.015
		Delta Elv	-0.295		
GPSVEC	TP	Point ID 23124	DX -6187.790	DY	1237.947
		Class Normal	DZ -1989.389	Code toe-2	
		Obs L1 Fixed	H.pr 0.019	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	18.8
		Horz SD		Vert SD	
		Start wk 1542 sec	146779.0	End wk 1542 sec	146784.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000227666	VCV xy	0.000016888
		VCV xz	-0.0000131838	VCV yy	0.0000369488
		VCV yz	-0.0000281365	VCV zz	0.0000507501
GPSVEC	SO	Point ID 23125	DX -6207.443	DY	1250.766
		Class Stake out	DZ -1971.921	Code mid	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.028	
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	9	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.9
		Horz SD		Vert SD	
		Start wk 1542 sec	146852.0	End wk 1542 sec	146860.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000224417	VCV xy	0.0000165295
		VCV xz	-0.0000127344	VCV yy	0.0000342916
		VCV yz	-0.0000244753	VCV zz	0.000044316
LIN DGN	SO	Name	33102-33072	To the Line	
		Station	27.183	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.024
		D Elev	0.006	Grd to Line	1:4.03
GRID D	SO	Delta N	-0.020	Delta E	-0.014
		Delta Elv	0.006		
GPSVEC	SO	Point ID 23126	DX -6227.729	DY	1262.933
		Class Stake out	DZ -1953.702	Code 1st Top	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029	

GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.3
		Horz SD		Vert SD	
		Start wk 1542 sec	146952.0	End wk 1542 sec	146957.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000231944	VCV xy	0.0000175551
		VCV xz	-0.0000137167	VCV yy	0.0000371695
		VCV yz	-0.0000276559	VCV zz	0.0000481133
PT DGN	SO	Name	33072	To the Point	
GRID D	SO	Delta N	0.073	Delta E	0.000
		Delta Elv	0.009		
GPSVEC	SO	Point ID 23127	DX -6222.568	DY	1271.910
		Class Stake out	DZ -1938.616	Code 1st crown	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	10.3
		Horz SD		Vert SD	
		Start wk 1542 sec	147001.0	End wk 1542 sec	147006.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000234376	VCV xy	0.0000179052
		VCV xz	-0.0000140296	VCV yy	0.0000378485
		VCV yz	-0.0000282269	VCV zz	0.0000483651
PT DGN	SO	Name	33071	To the Point	
GRID D	SO	Delta N	0.017	Delta E	0.049
		Delta Elv	0.020		
GPSVEC	SO	Point ID 23128	DX -6196.404	DY	1264.809
		Class Stake out	DZ -1947.340	Code mid	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	19.2
		Horz SD		Vert SD	
		Start wk 1542 sec	147094.0	End wk 1542 sec	147099.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000238288	VCV xy	0.0000184821
		VCV xz	-0.0000145019	VCV yy	0.0000387284
		VCV yz	-0.0000287712	VCV zz	0.0000480005
LIN DGN	SO	Name	33071-33101	To the Line	
		Station	27.015	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.022
		D Elev	0.040	Grd to Line	1:0.552
GRID D	SO	Delta N	0.022	Delta E	0.003
		Delta Elv	0.040		
GPSVEC	SO	Point ID 23129	DX -6168.394	DY	1256.861
		Class Stake out	DZ -1956.415	Code toe-1	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029	
GPSQC1	NM	Min SVs	8	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	15.0
		Horz SD		Vert SD	
		Start wk 1542 sec	147154.0	End wk 1542 sec	147159.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000238775	VCV xy	0.0000186798
		VCV xz	-0.0000146403	VCV yy	0.0000388859
		VCV yz	-0.00002877	VCV zz	0.0000472907
PT DGN	SO	Name	33101	To the Point	
GRID D	SO	Delta N	-0.036	Delta E	0.022
		Delta Elv	-0.418		
GPSVEC	TP	Point ID 23130	DX -6167.542	DY	1256.197
		Class Normal	DZ -1956.299	Code toe-2	
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029	
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	21.4
		Horz SD		Vert SD	
		Start wk 1542 sec	147179.0	End wk 1542 sec	147184.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000237596	VCV xy	0.0000186575
		VCV xz	-0.0000146201	VCV yy	0.0000387121
		VCV yz	-0.0000285668	VCV zz	0.000046611

GPSVEC	SO	Point ID 23131 Class Stake out Obs L1 Fixed	DX -6159.200 DZ -1929.637 H.pr 0.018	DY 1275.466 Code toe-1 V.pr 0.030
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 147295.0	PDOP max 1.1 HDOP max 0.6 VDOP max 0.9 RMS 16.9 Vert SD End wk 1542 sec 147300.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000244249 VCV xz -0.0000152725 VCV yz -0.000029135	Err Scale 0.0099999998 VCV xy 0.0000195251 VCV yy 0.000039933 VCV zz 0.00004602	
PT DGN	SO	Name 33100	To the Point	
GRID D	SO	Delta N -0.029 Delta Elv 0.035	Delta E -0.003	
GPSVEC	TP	Point ID 23132 Class Normal Obs L1 Fixed	DX -6157.537 DZ -1929.279 H.pr 0.018	DY 1274.057 Code toe-2 V.pr 0.029
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 5 Monitor status Not monitored Horz SD Start wk 1542 sec 147317.0	PDOP max 1.1 HDOP max 0.6 VDOP max 0.9 RMS 23.4 Vert SD End wk 1542 sec 147324.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000241872 VCV xz -0.0000151494 VCV yz -0.0000287995	Err Scale 0.0099999998 VCV xy 0.0000193961 VCV yy 0.000039563 VCV zz 0.0000452112	
NOTE	TS	Time Date 07/27/2009 Time 09:56:30		
GPSVEC	SO	Point ID 23133 Class Stake out Obs L1 Fixed	DX -6193.081 DZ -1924.411 H.pr 0.017	DY 1280.485 Code mid V.pr 0.030
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 147394.0	PDOP max 1.1 HDOP max 0.5 VDOP max 0.9 RMS 14.1 Vert SD End wk 1542 sec 147399.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000246796 VCV xz -0.0000156024 VCV yz -0.0000292176	Err Scale 0.0099999998 VCV xy 0.0000200217 VCV yy 0.0000404643 VCV zz 0.0000448906	
LIN DGN	SO	Name 33100-33070 Station 32.857 Elv <null>	To the Line H.Offset <null>	
LIN D	SO	D Station <null> D Elev 0.009	D Offset 0.033 Grd to Line 1:3.59	
GRID D	SO	Delta N 0.033 Delta Elv 0.009	Delta E -0.002	
GPSVEC	SO	Point ID 23134 Class Stake out Obs L1 Fixed	DX -6215.735 DZ -1920.877 H.pr 0.017	DY 1283.927 Code 1st Top V.pr 0.030
GPSQC1	NM	Min SVs 8 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 147443.0	PDOP max 1.1 HDOP max 0.6 VDOP max 0.9 RMS 9.7 Vert SD End wk 1542 sec 147449.0	
GPSQC2	NM	Ttl satellites 8 VCV xx 0.0000249712 VCV xz -0.0000158937 VCV yz -0.000029498	Err Scale 0.0099999998 VCV xy 0.0000204115 VCV yy 0.0000410349 VCV zz 0.000044754	
PT DGN	SO	Name 33070	To the Point	
GRID D	SO	Delta N -0.004 Delta Elv 0.044	Delta E 0.004	
GPSVEC	SO	Point ID 23135 Class Stake out Obs L1 Fixed	DX -6188.333 DZ -1917.591 H.pr 0.017	DY 1285.093 Code mid V.pr 0.030
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 147532.0	PDOP max 1.1 HDOP max 0.5 VDOP max 0.9 RMS 17.8 Vert SD End wk 1542 sec 147537.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000254504 VCV xz -0.0000163212 VCV yz -0.0000298311	Err Scale 0.0099999998 VCV xy 0.000021087 VCV yy 0.0000419462 VCV zz 0.0000440479	

LIN DGN	SO	Name	33070-33099	To the Line	
		Station	26.348	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.008
		D Elev	0.058	Grd to Line	1:0.138
GRID D	SO	Delta N	0.007	Delta E	-0.003
		Delta Elv	0.058		
GPSVEC	SO	Point ID 23136	DX -6197.297	DY	1294.222
		Class Stake out	DZ -1908.858	Code mid	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.030
GPSQC1	NM	Min SVs	8	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	16.6
		Horz SD		Vert SD	
		Start wk 1542	sec 147639.0	End wk 1542	sec 147645.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0099999998
		VCV xx	0.0000261745	VCV xy	0.0000220568
		VCV xz	-0.0000170018	VCV yy	0.0000433837
		VCV yz	-0.0000305071	VCV zz	0.000043715
LIN DGN	SO	Name	33070-33098	To the Line	
		Station	23.336	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.083
		D Elev	0.065	Grd to Line	1:1.285
GRID D	SO	Delta N	0.043	Delta E	-0.071
		Delta Elv	0.065		
GPSVEC	SO	Point ID 23137	DX -6206.000	DY	1302.923
		Class Stake out	DZ -1905.650	Code mid	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	19.8
		Horz SD		Vert SD	
		Start wk 1542	sec 147757.0	End wk 1542	sec 147762.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.00002668	VCV xy	0.0000228945
		VCV xz	-0.0000174676	VCV yy	0.000044486
		VCV yz	-0.0000308292	VCV zz	0.0000426046
LIN DGN	SO	Name	33070-33097	To the Line	
		Station	24.880	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.020
		D Elev	0.034	Grd to Line	1:0.582
GRID D	SO	Delta N	-0.001	Delta E	0.020
		Delta Elv	0.034		
GPSVEC	SO	Point ID 23138	DX -6193.062	DY	1328.067
		Class Stake out	DZ -1885.176	Code toe-1	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	21.1
		Horz SD		Vert SD	
		Start wk 1542	sec 147819.0	End wk 1542	sec 147824.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000270239	VCV xy	0.0000234177
		VCV xz	-0.0000177916	VCV yy	0.0000452284
		VCV yz	-0.000031115	VCV zz	0.000042229
PT DGN	SO	Name	33097	To the Point	
GRID D	SO	Delta N	0.010	Delta E	0.000
		Delta Elv	-0.241		
GPSVEC	TP	Point ID 23139	DX -6192.926	DY	1328.381
		Class Normal	DZ -1883.885	Code toe-2	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	18.5
		Horz SD		Vert SD	
		Start wk 1542	sec 147843.0	End wk 1542	sec 147848.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000269513	VCV xy	0.0000234392
		VCV xz	-0.0000177749	VCV yy	0.0000451674
		VCV yz	-0.0000309817	VCV zz	0.0000417634
GPSVEC	SO	Point ID 23140	DX -6221.276	DY	1342.694
		Class Stake out	DZ -1884.042	Code toe-1	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031

GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.2
		Horz SD		Vert SD	
		Start wk 1542 sec	147985.0	End wk 1542 sec	147990.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.00002807	VCV xy	0.0000246826
		VCV xz	-0.0000184028	VCV yy	0.0000456891
		VCV yz	-0.0000301234	VCV zz	0.0000394482
PT DGN	SO	Name	33096	To the Point	
GRID D	SO	Delta N	-0.021	Delta E	0.009
		Delta Elv	-0.049		
GPSVEC	TP	Point ID 23141	DX -6220.948	DY	1343.248
		Class Normal	DZ -1882.286	Code toe-2	
		Obs L1 Fixed	H.pr 0.016	V.pr	0.029
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	22.5
		Horz SD		Vert SD	
		Start wk 1542 sec	148007.0	End wk 1542 sec	148012.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000278005	VCV xy	0.0000239955
		VCV xz	-0.0000176571	VCV yy	0.0000420884
		VCV yz	-0.0000263308	VCV zz	0.0000351532
GPSVEC	SO	Point ID 23142	DX -6233.879	DY	1318.118
		Class Stake out	DZ -1903.819	Code mid	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.030
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	16.7
		Horz SD		Vert SD	
		Start wk 1542 sec	148068.0	End wk 1542 sec	148073.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000283187	VCV xy	0.0000248853
		VCV xz	-0.0000182936	VCV yy	0.000042868
		VCV yz	-0.000028107	VCV zz	0.0000365358
LIN DGN	SO	Name	33096-33069	To the Line	
		Station	32.228	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.005
		D Elev	0.021	Grd to Line	1:0.234
GRID D	SO	Delta N	0.000	Delta E	-0.005
		Delta Elv	0.021		
GPSVEC	SO	Point ID 23143	DX -6244.112	DY	1298.212
		Class Stake out	DZ -1919.802	Code 1st Top	
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	17.7
		Horz SD		Vert SD	
		Start wk 1542 sec	148127.0	End wk 1542 sec	148133.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000286394	VCV xy	0.0000257711
		VCV xz	-0.0000189443	VCV yy	0.0000473417
		VCV yz	-0.0000307537	VCV zz	0.0000385851
PT DGN	SO	Name	33069	To the Point	
GRID D	SO	Delta N	-0.010	Delta E	0.007
		Delta Elv	0.049		
GPSVEC	SO	Point ID 23144	DX -6270.862	DY	1311.697
		Class Stake out	DZ -1918.766	Code 1st Top	
		Obs L1 Fixed	H.pr 0.016	V.pr	0.031
GPSQC1	NM	Min SVs	12	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	21.2
		Horz SD		Vert SD	
		Start wk 1542 sec	148198.0	End wk 1542 sec	148203.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000290102	VCV xy	0.00002583
		VCV xz	-0.0000192957	VCV yy	0.0000458915
		VCV yz	-0.0000312139	VCV zz	0.0000392795
PT DGN	SO	Name	33068	To the Point	
GRID D	SO	Delta N	0.027	Delta E	-0.003
		Delta Elv	0.055		
NOTE	TS	Time Date	07/27/2009	Time	10:31:49

GPSVEC	SO	Point ID 23145	DX -6262.800	DY 1327.349
		Class Stake out	DZ -1906.191	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.042
GPSQC1	NM	Min SVs 11	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.3	
		Monitor status Not monitored	RMS 15.5	
		Horz SD	Vert SD	
		Start wk 1542 sec 149513.0	End wk 1542 sec 149518.0	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998	
		VCV xx 0.000049006	VCV xy 0.0000570884	
		VCV xz -0.0000358307	VCV yy 0.0000987005	
		VCV yz -0.0000563804	VCV zz 0.0000462748	
LIN DGN	SO	Name 33068-33095	To the Line	
		Station 20.505	H.Offset <null>	
		Elv <null>		
LIN D	SO	D Station <null>	D Offset 0.021	
		D Elev 0.036	Grd to Line 1:0.586	
GRID D	SO	Delta N -0.001	Delta E 0.021	
		Delta Elv 0.036		
GPSVEC	SO	Point ID 23146	DX -6301.072	DY 1346.918
		Class Stake out	DZ -1904.424	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.042
GPSQC1	NM	Min SVs 11	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.3	
		Monitor status Not monitored	RMS 11.6	
		Horz SD	Vert SD	
		Start wk 1542 sec 149606.0	End wk 1542 sec 149611.0	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998	
		VCV xx 0.0000485633	VCV xy 0.0000571439	
		VCV xz -0.0000355664	VCV yy 0.0000999912	
		VCV yz -0.0000565179	VCV zz 0.0000458516	
LIN DGN	SO	Name 33094-33067	To the Line	
		Station 38.078	H.Offset <null>	
		Elv <null>		
LIN D	SO	D Station <null>	D Offset 0.015	
		D Elev 0.040	Grd to Line 1:0.382	
GRID D	SO	Delta N 0.001	Delta E -0.015	
		Delta Elv 0.040		
GPSVEC	SO	Point ID 23147	DX -6309.482	DY 1331.338
		Class Stake out	DZ -1916.990	Code 1st Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.042
GPSQC1	NM	Min SVs 11	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 1.3	
		Monitor status Not monitored	RMS 11.6	
		Horz SD	Vert SD	
		Start wk 1542 sec 149674.0	End wk 1542 sec 149681.0	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998	
		VCV xx 0.0000479617	VCV xy 0.0000568445	
		VCV xz -0.0000351549	VCV yy 0.00010042	
		VCV yz -0.0000563016	VCV zz 0.0000453015	
PT DGN	SO	Name 33067	To the Point	
GRID D	SO	Delta N 0.018	Delta E -0.011	
		Delta Elv 0.017		
GPSVEC	SO	Point ID 23148	DX -6339.618	DY 1346.839
		Class Stake out	DZ -1915.476	Code 1st Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.039
GPSQC1	NM	Min SVs 12	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 9.5	
		Horz SD	Vert SD	
		Start wk 1542 sec 149757.0	End wk 1542 sec 149762.0	
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0099999998	
		VCV xx 0.0000406055	VCV xy 0.0000480342	
		VCV xz -0.0000279977	VCV yy 0.0000905886	
		VCV yz -0.0000477545	VCV zz 0.0000382432	
PT DGN	SO	Name 33066	To the Point	
GRID D	SO	Delta N 0.067	Delta E -0.025	
		Delta Elv 0.031		
GPSVEC	SO	Point ID 23149	DX -6331.227	DY 1362.513
		Class Stake out	DZ -1902.819	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.039

GPSQC1	NM	Min SVs	12	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	15.5
		Horz SD		Vert SD	
		Start wk 1542 sec	149846.0	End wk 1542 sec	149851.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000400572	VCV xy	0.0000478309
		VCV xz	-0.0000275944	VCV yy	0.000091604
		VCV yz	-0.0000477013	VCV zz	0.0000378116
LIN DGN	SO	Name	33066-33093	To the Line	
		Station	20.636	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.037
		D Elev	0.055	Grd to Line	1:0.674
GRID D	SO	Delta N	-0.002	Delta E	0.037
		Delta Elv	0.055		
GPSVEC	SO	Point ID 23150		DX -6346.495	DY 1371.306
		Class Stake out		DZ -1901.310	Code mid
		Obs L1 Fixed		H.pr 0.016	V.pr 0.036
GPSQC1	NM	Min SVs	13	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.6
		Horz SD		Vert SD	
		Start wk 1542 sec	149937.0	End wk 1542 sec	149944.0
GPSQC2	NM	Ttl satellites	13	Err Scale	0.0099999998
		VCV xx	0.0000333095	VCV xy	0.0000399324
		VCV xz	-0.0000217219	VCV yy	0.0000828937
		VCV yz	-0.0000407659	VCV zz	0.0000324125
LIN DGN	SO	Name	33092-33064	To the Line	
		Station	37.419	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	0.033
		D Elev	0.045	Grd to Line	1:0.723
GRID D	SO	Delta N	0.006	Delta E	-0.032
		Delta Elv	0.045		
GPSVEC	SO	Point ID 23151		DX -6358.013	DY 1356.655
		Class Stake out		DZ -1914.146	Code 1st Toe
		Obs L1 Fixed		H.pr 0.016	V.pr 0.036
GPSQC1	NM	Min SVs	12	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.8
		Horz SD		Vert SD	
		Start wk 1542 sec	150023.0	End wk 1542 sec	150028.0
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000318238	VCV xy	0.0000384452
		VCV xz	-0.0000204582	VCV yy	0.0000824129
		VCV yz	-0.0000396596	VCV zz	0.0000313945
PT DGN	SO	Name	33064	To the Point	
GRID D	SO	Delta N	-0.004	Delta E	-0.006
		Delta Elv	0.050		
GPSVEC	SO	Point ID 23152		DX -6349.887	DY 1350.041
		Class Stake out		DZ -1917.368	Code 1st Toe
		Obs L1 Fixed		H.pr 0.016	V.pr 0.035
GPSQC1	NM	Min SVs	13	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	19.2
		Horz SD		Vert SD	
		Start wk 1542 sec	150100.0	End wk 1542 sec	150105.0
GPSQC2	NM	Ttl satellites	13	Err Scale	0.0099999998
		VCV xx	0.0000284074	VCV xy	0.0000345087
		VCV xz	-0.0000175216	VCV yy	0.0000783127
		VCV yz	-0.0000362295	VCV zz	0.0000286601
PT DGN	SO	Name	33063	To the Point	
GRID D	SO	Delta N	0.036	Delta E	-0.070
		Delta Elv	0.027		
GPSVEC	SO	Point ID 23153		DX -6344.634	DY 1343.393
		Class Stake out		DZ -1922.269	Code 1st Toe
		Obs L1 Fixed		H.pr 0.016	V.pr 0.036
GPSQC1	NM	Min SVs	13	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.0
		Horz SD		Vert SD	
		Start wk 1542 sec	150163.0	End wk 1542 sec	150168.0

GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.0000300945		VCV xy 0.0000369152
		VCV xz -0.0000191277		VCV yy 0.000082123
		VCV yz -0.0000384974		VCV zz 0.0000300689
PT DGN	SO	Name 33062		To the Point
GRID D	SO	Delta N -0.017		Delta E 0.011
		Delta Elv 0.046		
GPSVEC	SO	Point ID 23154	DX -6341.652	DY 1335.312
		Class Stake out	DZ -1930.025	Code 1st Toe
		Obs L1 Fixed	H.pr 0.017	V.pr 0.036
GPSQC1	NM	Min SVs 13		PDOP max 1.2
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 5		VDOP max 1.1
		Monitor status Not monitored		RMS 8.3
		Horz SD		Vert SD
		Start wk 1542 sec 150308.0		End wk 1542 sec 150313.0
GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.0000303543		VCV xy 0.0000378163
		VCV xz -0.0000194487		VCV yy 0.0000853302
		VCV yz -0.0000395622		VCV zz 0.0000304111
PT DGN	SO	Name 33065		To the Point
GRID D	SO	Delta N 0.025		Delta E -0.033
		Delta Elv 0.022		
GPSVEC	SO	Point ID 23155	DX -6343.371	DY 1327.502
		Class Stake out	DZ -1940.177	Code 1st Toe
		Obs L1 Fixed	H.pr 0.016	V.pr 0.036
GPSQC1	NM	Min SVs 13		PDOP max 1.2
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 5		VDOP max 1.1
		Monitor status Not monitored		RMS 12.9
		Horz SD		Vert SD
		Start wk 1542 sec 150361.0		End wk 1542 sec 150367.0
GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.0000297483		VCV xy 0.000037203
		VCV xz -0.0000190042		VCV yy 0.0000848026
		VCV yz -0.0000390319		VCV zz 0.0000299036
PT DGN	SO	Name 33060		To the Point
GRID D	SO	Delta N -0.018		Delta E -0.007
		Delta Elv 0.080		
GPSVEC	SO	Point ID 23156	DX -6346.669	DY 1322.324
		Class Stake out	DZ -1948.012	Code 1st Toe-crown
		Obs L1 Fixed	H.pr 0.016	V.pr 0.035
GPSQC1	NM	Min SVs 13		PDOP max 1.2
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 6		VDOP max 1.1
		Monitor status Not monitored		RMS 18.8
		Horz SD		Vert SD
		Start wk 1542 sec 150435.0		End wk 1542 sec 150440.0
GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.000027861		VCV xy 0.0000350892
		VCV xz -0.0000172159		VCV yy 0.0000831681
		VCV yz -0.0000371058		VCV zz 0.0000282249
PT DGN	SO	Name 33059		To the Point
GRID D	SO	Delta N 0.001		Delta E -0.030
		Delta Elv 0.062		
GPSVEC	SO	Point ID 23157	DX -6348.283	DY 1317.334
		Class Stake out	DZ -1955.605	Code 1st Toe
		Obs L1 Fixed	H.pr 0.017	V.pr 0.035
GPSQC1	NM	Min SVs 13		PDOP max 1.2
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 5		VDOP max 1.1
		Monitor status Not monitored		RMS 13.2
		Horz SD		Vert SD
		Start wk 1542 sec 150493.0		End wk 1542 sec 150498.0
GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.0000283383		VCV xy 0.0000359173
		VCV xz -0.000017782		VCV yy 0.0000850585
		VCV yz -0.000038087		VCV zz 0.0000288704
PT DGN	SO	Name 33058		To the Point
GRID D	SO	Delta N 0.005		Delta E 0.028
		Delta Elv 0.045		
GPSVEC	SO	Point ID 23158	DX -6352.086	DY 1311.363
		Class Stake out	DZ -1965.914	Code 1st Toe
		Obs L1 Fixed	H.pr 0.016	V.pr 0.033

GPSQC1	NM	Min SVs	13	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	14.9
		Horz SD		Vert SD	
		Start wk 1542 sec 150543.0		End wk 1542 sec 150548.0	
GPSQC2	NM	Ttl satellites	13	Err Scale	0.0099999998
		VCV xx	0.0000239331	VCV xy	0.0000301222
		VCV xz	-0.0000144188	VCV yy	0.0000776121
		VCV yz	-0.0000336918	VCV zz	0.0000262166
PT DGN	SO	Name	33057	To the Point	
GRID D	SO	Delta N	0.043	Delta E	-0.047
		Delta Elv	0.062		
GPSVEC	SO	Point ID 23159	DX -6361.223	DY	1308.056
		Class Stake out	DZ -1975.948	Code 1st Toe	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.033	
GPSQC1	NM	Min SVs	14	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.3
		Horz SD		Vert SD	
		Start wk 1542 sec 150589.0		End wk 1542 sec 150594.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000225513	VCV xy	0.0000281446
		VCV xz	-0.000013679	VCV yy	0.0000751755
		VCV yz	-0.0000326705	VCV zz	0.0000258929
PT DGN	SO	Name	33056	To the Point	
GRID D	SO	Delta N	0.045	Delta E	-0.047
		Delta Elv	0.070		
GPSVEC	SO	Point ID 23160	DX -6304.493	DY	1305.163
		Class Stake out	DZ -1944.823	Code 1st crown	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.034	
GPSQC1	NM	Min SVs	9	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	14.8
		Horz SD		Vert SD	
		Start wk 1542 sec 150810.0		End wk 1542 sec 150816.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000237053	VCV xy	0.0000303209
		VCV xz	-0.0000145179	VCV yy	0.0000802369
		VCV yz	-0.0000343914	VCV zz	0.0000264454
PT DGN	SO	Name	33077	To the Point	
GRID D	SO	Delta N	0.049	Delta E	0.019
		Delta Elv	0.030		
GPSVEC	SO	Point ID 23161	DX -6276.485	DY	1293.806
		Class Stake out	DZ -1942.733	Code 1st crown	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.033	
GPSQC1	NM	Min SVs	14	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.4
		Horz SD		Vert SD	
		Start wk 1542 sec 150876.0		End wk 1542 sec 150881.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.000021909	VCV xy	0.0000282426
		VCV xz	-0.0000129764	VCV yy	0.0000781129
		VCV yz	-0.0000326074	VCV zz	0.0000250802
PT DGN	SO	Name	33078	To the Point	
GRID D	SO	Delta N	0.058	Delta E	0.014
		Delta Elv	0.053		
GPSVEC	SO	Point ID 23162	DX -6245.438	DY	1281.223
		Class Stake out	DZ -1940.351	Code 1st crown	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.033	
GPSQC1	NM	Min SVs	9	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	19.4
		Horz SD		Vert SD	
		Start wk 1542 sec 150936.0		End wk 1542 sec 150943.0	
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000221827	VCV xy	0.0000287119
		VCV xz	-0.0000133244	VCV yy	0.0000789178
		VCV yz	-0.0000330388	VCV zz	0.0000252894
PT DGN	SO	Name	33079	To the Point	
GRID D	SO	Delta N	0.029	Delta E	0.011
		Delta Elv	0.046		

GPSVEC	SO	Point ID 23163	DX -6378.545	DY 1322.852
		Class Stake out	DZ -1949.429	Code 2nd Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 15.4	
		Horz SD	Vert SD	
		Start wk 1542 sec 151107.0	End wk 1542 sec 151112.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000222111	VCV xy 0.0000288114	
		VCV xz -0.0000132235	VCV yy 0.0000811888	
		VCV yz -0.000033541	VCV zz 0.000025724	
PT DGN	SO	Name 33046	To the Point	
GRID D	SO	Delta N 0.007	Delta E -0.010	
		Delta Elv 0.038		
GPSVEC	SO	Point ID 23164	DX -6379.069	DY 1321.892
		Class Stake out	DZ -1951.069	Code 2nd Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 10.7	
		Horz SD	Vert SD	
		Start wk 1542 sec 151176.0	End wk 1542 sec 151181.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.000021837	VCV xy 0.0000283858	
		VCV xz -0.000012912	VCV yy 0.0000811068	
		VCV yz -0.000033256	VCV zz 0.0000255242	
PT DGN	SO	Name 33047	To the Point	
GRID D	SO	Delta N 0.026	Delta E 0.077	
		Delta Elv 0.055		
GPSVEC	SO	Point ID 23165	DX -6380.607	DY 1322.285
		Class Stake out	DZ -1951.553	Code 2nd Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 20.1	
		Horz SD	Vert SD	
		Start wk 1542 sec 151221.0	End wk 1542 sec 151226.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000215475	VCV xy 0.0000280324	
		VCV xz -0.000012677	VCV yy 0.0000808208	
		VCV yz -0.0000329841	VCV zz 0.0000253439	
PT DGN	SO	Name 33048	To the Point	
GRID D	SO	Delta N -0.008	Delta E 0.000	
		Delta Elv 0.076		
GPSVEC	SO	Point ID 23166	DX -6376.185	DY 1328.951
		Class Stake out	DZ -1939.830	Code 2nd Crown
		Obs L1 Fixed	H.pr 0.017	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 13.9	
		Horz SD	Vert SD	
		Start wk 1542 sec 151304.0	End wk 1542 sec 151309.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000211753	VCV xy 0.0000276484	
		VCV xz -0.0000123485	VCV yy 0.0000810427	
		VCV yz -0.0000327578	VCV zz 0.0000251862	
PT DGN	SO	Name 33035	To the Point	
GRID D	SO	Delta N -0.024	Delta E 0.035	
		Delta Elv 0.011		
NOTE	TS	Time Date 07/27/2009 Time 11:02:24		
GPSVEC	SO	Point ID 23167	DX -6374.435	DY 1332.497
		Class Stake out	DZ -1934.829	Code 2nd Top
		Obs L1 Fixed	H.pr 0.017	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 18.0	
		Horz SD	Vert SD	
		Start wk 1542 sec 151352.0	End wk 1542 sec 151357.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000208504	VCV xy 0.0000272224	
		VCV xz -0.0000120842	VCV yy 0.0000805386	
		VCV yz -0.0000324087	VCV zz 0.0000249749	

PT DGN	SO	Name	33045	To the Point	
GRID D	SO	Delta N	0.010	Delta E	0.051
		Delta Elv	0.067		
GPSVEC	SO	Point ID 23168	DX -6378.651	DY	1335.722
		Class Stake out	DZ -1933.289	Code	2nd Top
		Obs L1 Fixed	H.pr 0.017	V.pr	0.033
GPSQC1	NM	Min SVs	14	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	15.6
		Horz SD		Vert SD	
		Start wk 1542 sec	151497.0	End wk 1542 sec	151502.0
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000200677	VCV xy	0.00002618
		VCV xz	-0.0000114056	VCV yy	0.0000796123
		VCV yz	-0.0000316252	VCV zz	0.0000245666
PT DGN	SO	Name	33044	To the Point	
GRID D	SO	Delta N	-0.038	Delta E	0.013
		Delta Elv	0.019		
GPSVEC	SO	Point ID 23169	DX -6175.653	DY	1205.151
		Class Stake out	DZ -2024.131	Code	7-27-09postchk
		Obs L1 Fixed	H.pr 0.015	V.pr	0.028
GPSQC1	NM	Min SVs	9	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	
		Horz SD		Vert SD	
		Start wk 1542 sec	151962.0	End wk 1542 sec	152016.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.000013009	VCV xy	0.0000171474
		VCV xz	-0.0000062729	VCV yy	0.0000630462
		VCV yz	-0.0000229335	VCV zz	0.0000185801
PT DGN	SO	Name	106	To the Point	
GRID D	SO	Delta N	-0.034	Delta E	-0.036
		Delta Elv	0.003		
SURVEY EVENTKISurvey event Survey ended					
NOTE	TS	Time Date	07/27/2009	Time	11:34:05
NOTE	TS	Time Date	07/28/2009	Time	08:20:04
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	1542
		Init type	On the fly	seconds	228039.0
		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	SO	Point ID 23170	DX -6797.845	DY	1569.201
		Class Stake out	DZ -1861.647	Code	7-28-09prechk
		Obs L1 Fixed	H.pr 0.026	V.pr	0.036

GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	20.5
		Horz SD		Vert SD	
		Start wk 1542 sec	228102.0	End wk 1542 sec	228107.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.000047002	VCV xy	0.0000573972
		VCV xz	-0.0000087994	VCV yy	0.0001122821
		VCV yz	-0.0000157092	VCV zz	0.0000264621
PT DGN	SO	Name	23000	To the Point	
GRID D	SO	Delta N	-0.053	Delta E	-0.003
		Delta Elv	0.052		
GPSVEC	SO	Point ID 23171	DX -6433.983	DY	1340.953
		Class Stake out	DZ -1959.715	Code	2nd Top
		Obs L1 Fixed	H.pr 0.024	V.pr	0.032
GPSQC1	NM	Min SVs	11	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	19.2
		Horz SD		Vert SD	
		Start wk 1542 sec	228299.0	End wk 1542 sec	228304.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000328065	VCV xy	0.0000387366
		VCV xz	-0.0000072815	VCV yy	0.0000886681
		VCV yz	-0.0000145065	VCV zz	0.000024734
PT DGN	SO	Name	33049	To the Point	
GRID D	SO	Delta N	0.014	Delta E	-0.049
		Delta Elv	0.012		
GPSVEC	SO	Point ID 23172	DX -6482.774	DY	1358.274
		Class Stake out	DZ -1966.953	Code	2nd Top
		Obs L1 Fixed	H.pr 0.023	V.pr	0.032
GPSQC1	NM	Min SVs	11	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	14.9
		Horz SD		Vert SD	
		Start wk 1542 sec	228389.0	End wk 1542 sec	228394.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000323902	VCV xy	0.0000380465
		VCV xz	-0.0000073345	VCV yy	0.0000877207
		VCV yz	-0.0000149618	VCV zz	0.0000245664
PT DGN	SO	Name	33050	To the Point	
GRID D	SO	Delta N	-0.051	Delta E	0.041
		Delta Elv	0.017		
GPSVEC	SO	Point ID 23173	DX -6529.601	DY	1375.096
		Class Stake out	DZ -1973.680	Code	2nd Top
		Obs L1 Fixed	H.pr 0.024	V.pr	0.034
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	16.6
		Horz SD		Vert SD	
		Start wk 1542 sec	228481.0	End wk 1542 sec	228486.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000384414	VCV xy	0.0000454584
		VCV xz	-0.0000096645	VCV yy	0.0000973692
		VCV yz	-0.0000183582	VCV zz	0.0000256361
PT DGN	SO	Name	33051	To the Point	
GRID D	SO	Delta N	-0.048	Delta E	-0.049
		Delta Elv	0.048		
GPSVEC	SO	Point ID 23174	DX -6579.430	DY	1393.422
		Class Stake out	DZ -1980.227	Code	2nd Top
		Obs L1 Fixed	H.pr 0.024	V.pr	0.035
GPSQC1	NM	Min SVs	10	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	5	VDOP max	1.1
		Monitor status	Not monitored	RMS	9.1
		Horz SD		Vert SD	
		Start wk 1542 sec	228537.0	End wk 1542 sec	228542.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000420275	VCV xy	0.0000498342
		VCV xz	-0.000011068	VCV yy	0.0001030273
		VCV yz	-0.00002044	VCV zz	0.0000262324
PT DGN	SO	Name	33052	To the Point	
GRID D	SO	Delta N	-0.021	Delta E	0.000
		Delta Elv	0.055		

GPSVEC	SO	Point ID 23175	DX -6638.823	DY 1415.495
		Class Stake out	DZ -1987.697	Code 2nd Top
		Obs L1 Fixed	H.pr 0.025	V.pr 0.037
GPSQC1	NM	Min SVs 6	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 5	VDOP max 1.1	
		Monitor status Not monitored	RMS 10.6	
		Horz SD	Vert SD	
		Start wk 1542 sec 228591.0	End wk 1542 sec 228596.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000465035	VCV xy 0.0000553174	
		VCV xz -0.0000131896	VCV yy 0.0001100853	
		VCV yz -0.0000234249	VCV zz 0.0000270624	
PT DGN	SO	Name 33053	To the Point	
GRID D	SO	Delta N -0.012	Delta E 0.001	
		Delta Elv 0.047		
GPSVEC	SO	Point ID 23176	DX -6683.422	DY 1432.139
		Class Stake out	DZ -1993.164	Code 2nd Top
		Obs L1 Fixed	H.pr 0.025	V.pr 0.038
GPSQC1	NM	Min SVs 10	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 10.1	
		Horz SD	Vert SD	
		Start wk 1542 sec 228683.0	End wk 1542 sec 228688.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000479023	VCV xy 0.0000568024	
		VCV xz -0.0000142317	VCV yy 0.0001124521	
		VCV yz -0.0000253059	VCV zz 0.0000277935	
PT DGN	SO	Name 33054	To the Point	
GRID D	SO	Delta N -0.026	Delta E -0.027	
		Delta Elv 0.011		
GPSVEC	SO	Point ID 23177	DX -6731.437	DY 1450.150
		Class Stake out	DZ -1999.065	Code 3rd Toe
		Obs L1 Fixed	H.pr 0.025	V.pr 0.037
GPSQC1	NM	Min SVs 10	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 5	VDOP max 1.2	
		Monitor status Not monitored	RMS 13.2	
		Horz SD	Vert SD	
		Start wk 1542 sec 228738.0	End wk 1542 sec 228743.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000471914	VCV xy 0.0000557348	
		VCV xz -0.0000140942	VCV yy 0.0001109942	
		VCV yz -0.000025398	VCV zz 0.0000278224	
PT DGN	SO	Name 33015	To the Point	
GRID D	SO	Delta N -0.068	Delta E -0.018	
		Delta Elv 0.050		
GPSVEC	SO	Point ID 23178	DX -6672.715	DY 1520.500
		Class Stake out	DZ -1877.699	Code 3rd Toe
		Obs L1 Fixed	H.pr 0.024	V.pr 0.037
GPSQC1	NM	Min SVs 6	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 21.4	
		Horz SD	Vert SD	
		Start wk 1542 sec 228837.0	End wk 1542 sec 228842.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000454221	VCV xy 0.0000530433	
		VCV xz -0.0000137333	VCV yy 0.0001076126	
		VCV yz -0.0000254504	VCV zz 0.0000280378	
PT DGN	SO	Name 33024	To the Point	
GRID D	SO	Delta N -0.061	Delta E 0.027	
		Delta Elv 0.054		
GPSVEC	SO	Point ID 23179	DX -6643.723	DY 1496.353
		Class Stake out	DZ -1890.074	Code 2nd Top
		Obs L1 Fixed	H.pr 0.024	V.pr 0.036
GPSQC1	NM	Min SVs 10	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 5.9	
		Horz SD	Vert SD	
		Start wk 1542 sec 228921.0	End wk 1542 sec 228926.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000433954	VCV xy 0.0000501193	
		VCV xz -0.0000131648	VCV yy 0.0001034391	
		VCV yz -0.0000250775	VCV zz 0.0000278958	
PT DGN	SO	Name 33036	To the Point	

GRID D	SO	Delta N	0.008	Delta E	-0.022
		Delta Elv	0.021		
GPSVEC	SO	Point ID 23180	DX -6635.793	DY	1491.387
		Class Stake out	DZ -1891.536	Code	2nd Top
		Obs L1 Fixed	H.pr 0.023	V.pr	0.036
GPSQC1	NM	Min SVs	10	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	7.6
		Horz SD		Vert SD	
		Start wk 1542 sec	228967.0	End wk 1542 sec	228972.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000419437	VCV xy	0.0000481456
		VCV xz	-0.000012805	VCV yy	0.0001004062
		VCV yz	-0.0000247324	VCV zz	0.0000275945
PT DGN	SO	Name	33037	To the Point	
GRID D	SO	Delta N	0.007	Delta E	0.008
		Delta Elv	0.010		
GPSVEC	SO	Point ID 23181	DX -6587.564	DY	1465.859
		Class Stake out	DZ -1895.090	Code	2nd Top
		Obs L1 Fixed	H.pr 0.023	V.pr	0.035
GPSQC1	NM	Min SVs	10	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	9.0
		Horz SD		Vert SD	
		Start wk 1542 sec	229023.0	End wk 1542 sec	229028.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000406588	VCV xy	0.000046237
		VCV xz	-0.0000123749	VCV yy	0.0000975469
		VCV yz	-0.0000244011	VCV zz	0.0000275264
PT DGN	SO	Name	33038	To the Point	
GRID D	SO	Delta N	-0.015	Delta E	0.021
		Delta Elv	0.021		
GPSVEC	SO	Point ID 23182	DX -6543.014	DY	1442.323
		Class Stake out	DZ -1898.311	Code	2nd Top
		Obs L1 Fixed	H.pr 0.023	V.pr	0.035
GPSQC1	NM	Min SVs	10	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	9.9
		Horz SD		Vert SD	
		Start wk 1542 sec	229087.0	End wk 1542 sec	229092.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000392471	VCV xy	0.0000441442
		VCV xz	-0.000011967	VCV yy	0.0000945009
		VCV yz	-0.0000241394	VCV zz	0.0000274869
PT DGN	SO	Name	33039	To the Point	
GRID D	SO	Delta N	-0.013	Delta E	-0.003
		Delta Elv	0.024		
GPSVEC	SO	Point ID 23183	DX -6505.821	DY	1422.700
		Class Stake out	DZ -1900.982	Code	2nd Top
		Obs L1 Fixed	H.pr 0.023	V.pr	0.034
GPSQC1	NM	Min SVs	10	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	9.3
		Horz SD		Vert SD	
		Start wk 1542 sec	229151.0	End wk 1542 sec	229156.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000377779	VCV xy	0.0000420005
		VCV xz	-0.0000115541	VCV yy	0.0000912973
		VCV yz	-0.0000238408	VCV zz	0.0000273886
PT DGN	SO	Name	33040	To the Point	
GRID D	SO	Delta N	-0.018	Delta E	0.027
		Delta Elv	0.035		
GPSVEC	SO	Point ID 23184	DX -6468.474	DY	1402.940
		Class Stake out	DZ -1903.698	Code	2nd Top
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	10	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.4
		Horz SD		Vert SD	
		Start wk 1542 sec	229241.0	End wk 1542 sec	229246.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000360346	VCV xy	0.0000393401
		VCV xz	-0.0000109993	VCV yy	0.0000873835
		VCV yz	-0.0000235182	VCV zz	0.000027431

PT DGN	SO	Name	33041	To the Point	
GRID D	SO	Delta N	0.013	Delta E	-0.016
		Delta Elv	0.025		
GPSVEC	SO	Point ID 23185	DX -6437.660	DY	1379.899
		Class Stake out	DZ -1913.802	Code	2nd Top
		Obs L1 Fixed	H.pr 0.022	V.pr	0.033
GPSQC1	NM	Min SVs	10	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	5.6
		Horz SD		Vert SD	
		Start wk 1542 sec	229327.0	End wk 1542 sec	229332.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000344396	VCV xy	0.0000369132
		VCV xz	-0.0000104964	VCV yy	0.0000837855
		VCV yz	-0.000023243	VCV zz	0.0000274766
PT DGN	SO	Name	33042	To the Point	
GRID D	SO	Delta N	-0.060	Delta E	0.038
		Delta Elv	0.008		
GPSVEC	SO	Point ID 23186	DX -6408.013	DY	1357.695
		Class Stake out	DZ -1923.625	Code	2nd Top
		Obs L1 Fixed	H.pr 0.022	V.pr	0.033
GPSQC1	NM	Min SVs	10	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.9
		Horz SD		Vert SD	
		Start wk 1542 sec	229378.0	End wk 1542 sec	229383.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000333112	VCV xy	0.000035321
		VCV xz	-0.0000101613	VCV yy	0.0000812453
		VCV yz	-0.0000229573	VCV zz	0.0000273103
PT DGN	SO	Name	33043	To the Point	
GRID D	SO	Delta N	-0.007	Delta E	-0.004
		Delta Elv	0.026		
GPSVEC	SO	Point ID 23187	DX -6431.083	DY	1354.623
		Class Stake out	DZ -1939.850	Code	2nd Crown
		Obs L1 Fixed	H.pr 0.017	V.pr	0.025
GPSQC1	NM	Min SVs	11	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	12.9
		Horz SD		Vert SD	
		Start wk 1542 sec	229520.0	End wk 1542 sec	229525.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0079710977
		VCV xx	0.0000314769	VCV xy	0.000032124
		VCV xz	-0.0000094388	VCV yy	0.0000745037
		VCV yz	-0.0000203659	VCV zz	0.0000253307
PT DGN	SO	Name	33034	To the Point	
GRID D	SO	Delta N	-0.032	Delta E	-0.005
		Delta Elv	0.065		
GPSVEC	SO	Point ID 23188	DX -6478.744	DY	1376.794
		Class Stake out	DZ -1939.839	Code	2nd Crown
		Obs L1 Fixed	H.pr 0.021	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.0
		Monitor status	Not monitored	RMS	9.1
		Horz SD		Vert SD	
		Start wk 1542 sec	229606.0	End wk 1542 sec	229611.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0099999998
		VCV xx	0.0000305622	VCV xy	0.0000304731
		VCV xz	-0.0000090609	VCV yy	0.0000713632
		VCV yz	-0.0000194734	VCV zz	0.0000248573
PT DGN	SO	Name	33033	To the Point	
GRID D	SO	Delta N	0.001	Delta E	-0.053
		Delta Elv	0.009		
GPSVEC	SO	Point ID 23189	DX -6523.247	DY	1397.585
		Class Stake out	DZ -1939.842	Code	2nd Crown
		Obs L1 Fixed	H.pr 0.021	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1542 sec	229671.0	End wk 1542 sec	229676.0

GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998
		VCV xx 0.0000299004	VCV xy 0.0000293697
		VCV xz -0.0000088937	VCV yy 0.0000702529
		VCV yz -0.0000199011	VCV zz 0.0000254976
PT DGN	SO	Name 33032	To the Point
GRID D	SO	Delta N -0.005	Delta E -0.010
		Delta Elv 0.029	
GPSVEC	SO	Point ID 23190	DX -6572.648
		Class Stake out	DZ -1939.820
		Obs L1 Fixed	H.pr 0.021
			DY 1420.636
			Code 2nd Crown
			V.pr 0.030
GPSQC1	NM	Min SVs 7	PDOP max 1.1
		Relative DOPs Yes	HDOP max 0.6
		Total GPS pos 5	VDOP max 0.9
		Monitor status Not monitored	RMS 15.3
		Horz SD	Vert SD
		Start wk 1542 sec 229740.0	End wk 1542 sec 229745.0
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998
		VCV xx 0.0000292226	VCV xy 0.0000282263
		VCV xz -0.0000087182	VCV yy 0.0000687895
		VCV yz -0.0000200326	VCV zz 0.000025872
PT DGN	SO	Name 33031	To the Point
GRID D	SO	Delta N -0.018	Delta E 0.046
		Delta Elv 0.017	
NOTE	TS	Time Date 07/28/2009 Time 08:50:20	
GPSVEC	SO	Point ID 23191	DX -6631.342
		Class Stake out	DZ -1939.820
		Obs L1 Fixed	H.pr 0.021
			DY 1448.043
			Code 2nd Crown
			V.pr 0.030
GPSQC1	NM	Min SVs 11	PDOP max 1.1
		Relative DOPs Yes	HDOP max 0.6
		Total GPS pos 6	VDOP max 0.9
		Monitor status Not monitored	RMS 9.7
		Horz SD	Vert SD
		Start wk 1542 sec 229829.0	End wk 1542 sec 229834.0
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998
		VCV xx 0.0000286337	VCV xy 0.0000270674
		VCV xz -0.0000085831	VCV yy 0.0000674749
		VCV yz -0.0000202453	VCV zz 0.0000264062
PT DGN	SO	Name 33030	To the Point
GRID D	SO	Delta N -0.021	Delta E 0.065
		Delta Elv 0.032	
GPSVEC	SO	Point ID 23192	DX -6639.549
		Class Stake out	DZ -1851.846
		Obs L1 Fixed	H.pr 0.019
			DY 1547.273
			Code mid
			V.pr 0.028
GPSQC1	NM	Min SVs 11	PDOP max 1.0
		Relative DOPs Yes	HDOP max 0.6
		Total GPS pos 5	VDOP max 0.9
		Monitor status Not monitored	RMS 7.7
		Horz SD	Vert SD
		Start wk 1542 sec 230355.0	End wk 1542 sec 230361.0
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0099999998
		VCV xx 0.0000242688	VCV xy 0.0000200051
		VCV xz -0.0000074733	VCV yy 0.0000550315
		VCV yz -0.0000184937	VCV zz 0.0000265239
LIN DGN	SO	Name 33024-33084	To the Line
		Station 47.347	H.Offset <null>
		Elv <null>	
LIN D	SO	D Station <null>	D Offset -0.006
		D Elev 0.025	Grd to Line 1:0.231
GRID D	SO	Delta N 0.002	Delta E -0.005
		Delta Elv 0.025	
GPSVEC	SO	Point ID 23193	DX -6614.636
		Class Stake out	DZ -1859.814
		Obs L1 Fixed	H.pr 0.019
			DY 1530.378
			Code mid
			V.pr 0.026
GPSQC1	NM	Min SVs 12	PDOP max 1.0
		Relative DOPs Yes	HDOP max 0.6
		Total GPS pos 6	VDOP max 0.8
		Monitor status Not monitored	RMS 9.2
		Horz SD	Vert SD
		Start wk 1542 sec 230458.0	End wk 1542 sec 230463.0
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0099999998
		VCV xx 0.0000235223	VCV xy 0.0000181828
		VCV xz -0.0000069117	VCV yy 0.000049029
		VCV yz -0.0000171352	VCV zz 0.0000269876
LIN DGN	SO	Name 33036-33085	To the Line
		Station 51.262	H.Offset <null>
		Elv <null>	
LIN D	SO	D Station <null>	D Offset 0.006
		D Elev 0.018	Grd to Line 1:0.331

GRID D	SO	Delta N	-0.001	Delta E	0.006
		Delta Elv	0.018		
GPSVEC	SO	Point ID 23194	DX -6611.115	DY	1528.331
		Class Stake out	DZ -1860.361	Code mid	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.026
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	14.9
		Horz SD		Vert SD	
		Start wk 1542 sec 230521.0		End wk 1542 sec 230526.0	
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000230706	VCV xy	0.000017547
		VCV xz	-0.0000068128	VCV yy	0.0000480655
		VCV yz	-0.0000172594	VCV zz	0.0000273293
LIN DGN	SO	Name	33085-33037	To the Line	
		Station	39.606	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.036
		D Elev	0.017	Grd to Line	1:2.061
GRID D	SO	Delta N	-0.004	Delta E	0.035
		Delta Elv	0.017		
GPSVEC	SO	Point ID 23195	DX -6566.357	DY	1502.695
		Class Stake out	DZ -1864.926	Code mid	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.026
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	11.0
		Horz SD		Vert SD	
		Start wk 1542 sec 230678.0		End wk 1542 sec 230683.0	
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.000022422	VCV xy	0.0000163777
		VCV xz	-0.0000067302	VCV yy	0.0000461824
		VCV yz	-0.0000175403	VCV zz	0.000028415
LIN DGN	SO	Name	33038-33086	To the Line	
		Station	49.456	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.050
		D Elev	0.030	Grd to Line	1:1.69
GRID D	SO	Delta N	0.003	Delta E	-0.050
		Delta Elv	0.030		
NOTE	NM	Modified 9:06:04 AM 7/28/2009			
NOTE	NM	Old values			
GPSVEC	SO	Point ID 23196	DX -6522.031	DY	1478.791
		Class Stake out	DZ -1868.414	Code mid	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.025
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	7	VDOP max	0.8
		Monitor status	Not monitored	RMS	12.4
		Horz SD		Vert SD	
		Start wk 1542 sec 230752.0		End wk 1542 sec 230758.0	
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000218014	VCV xy	0.0000154081
		VCV xz	-0.0000064956	VCV yy	0.0000421448
		VCV yz	-0.0000161566	VCV zz	0.0000278862
LIN DGN	SO	Name	33039-33087	To the Line	
		Station	48.985	H.Offset	<null>
		Elv	<null>		
LIN D	SO	D Station	<null>	D Offset	-0.039
		D Elev	0.010	Grd to Line	1:3.873
GRID D	SO	Delta N	0.003	Delta E	-0.039
		Delta Elv	0.010		
GPSVEC	SO	Point ID 23197	DX -6483.673	DY	1461.268
		Class Stake out	DZ -1869.378	Code mid	
		Obs L1 Fixed	H.pr 0.019	V.pr	0.025
GPSQC1	NM	Min SVs	12	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	12.8
		Horz SD		Vert SD	
		Start wk 1542 sec 230889.0		End wk 1542 sec 230895.0	
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0099999998
		VCV xx	0.0000210495	VCV xy	0.0000145841
		VCV xz	-0.0000064917	VCV yy	0.0000422521
		VCV yz	-0.0000172311	VCV zz	0.0000289659

LIN DGN	SO	Name Station Elv	33040-33088 51.784 <null>	To the Line H.Offset	<null>
LIN D	SO	D Station D Elev	<null> 0.026	D Offset Grd to Line	-0.010 1:0.361
GRID D	SO	Delta N Delta Elv	0.001 0.026	Delta E	-0.009
GPSVEC	SO	Point ID 23198 Class Stake out Obs L1 Fixed	DX -6441.751 DZ -1873.219 H.pr 0.019	DY 1437.947 Code mid V.pr 0.025	
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 5 Monitor status Not monitored Horz SD Start wk 1542 sec 230994.0		PDOP max 1.0 HDOP max 0.6 VDOP max 0.8 RMS 12.7 Vert SD End wk 1542 sec 230999.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000206219 VCV xz -0.000006511 VCV yz -0.0000174806		Err Scale 0.0099999998 VCV xy 0.0000140171 VCV yy 0.0000413158 VCV zz 0.000029655	
LIN DGN	SO	Name Station Elv	33041-33089 50.830 <null>	To the Line H.Offset	<null>
LIN D	SO	D Station D Elev	<null> 0.037	D Offset Grd to Line	0.021 1:0.561
GRID D	SO	Delta N Delta Elv	-0.004 0.037	Delta E	0.021
GPSVEC	SO	Point ID 23199 Class Stake out Obs L1 Fixed	DX -6405.949 DZ -1884.415 H.pr 0.018	DY 1412.000 Code mid V.pr 0.025	
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 231099.0		PDOP max 1.0 HDOP max 0.6 VDOP max 0.8 RMS 11.9 Vert SD End wk 1542 sec 231104.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000201502 VCV xz -0.0000064792 VCV yz -0.0000166517		Err Scale 0.0099999998 VCV xy 0.0000133467 VCV yy 0.0000382819 VCV zz 0.0000297556	
LIN DGN	SO	Name Station Elv	33042-33090 51.118 <null>	To the Line H.Offset	<null>
LIN D	SO	D Station D Elev	<null> 0.038	D Offset Grd to Line	0.012 1:0.318
GRID D	SO	Delta N Delta Elv	-0.004 0.038	Delta E	0.012
GPSVEC	SO	Point ID 23200 Class Stake out Obs L1 Fixed	DX -6374.731 DZ -1892.609 H.pr 0.018	DY 1391.529 Code mid V.pr 0.025	
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 6 Monitor status Not monitored Horz SD Start wk 1542 sec 231229.0		PDOP max 1.0 HDOP max 0.6 VDOP max 0.8 RMS 13.8 Vert SD End wk 1542 sec 231234.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.00001965 VCV xz -0.0000066793 VCV yz -0.0000176775		Err Scale 0.0099999998 VCV xy 0.0000129646 VCV yy 0.0000385919 VCV zz 0.0000310462	
LIN DGN	SO	Name Station Elv	33043-33091 53.798 <null>	To the Line H.Offset	<null>
LIN D	SO	D Station D Elev	<null> 0.011	D Offset Grd to Line	0.019 1:1.778
GRID D	SO	Delta N Delta Elv	-0.006 0.011	Delta E	0.018
GPSVEC	SO	Point ID 23201 Class Stake out Obs L1 Fixed	DX -6797.856 DZ -1861.671 H.pr 0.018	DY 1569.187 Code 7-28-09postchk V.pr 0.025	
GPSQC1	NM	Min SVs 12 Relative DOPs Yes Total GPS pos 5 Monitor status Not monitored Horz SD Start wk 1542 sec 231393.0		PDOP max 1.0 HDOP max 0.6 VDOP max 0.8 RMS 16.2 Vert SD End wk 1542 sec 231398.0	
GPSQC2	NM	Ttl satellites 12 VCV xx 0.0000202985 VCV xz -0.0000071092 VCV yz -0.0000169306		Err Scale 0.0099999998 VCV xy 0.0000128445 VCV yy 0.0000359274 VCV zz 0.0000321844	

PT DGN	SO	Name	23000	To the Point	
GRID D	SO	Delta N	-0.024	Delta E	0.001
		Delta Elv	0.052		
SURVEY EVENTKISurvey event Survey ended					
NOTE	TS	Time Date	07/28/2009	Time	09:27:56
NOTE	TS	Time Date	08/01/2009	Time	11:19:25
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	1542
		Init type	On the fly	seconds	584392.0
		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	SO	Point ID 23202	DX -6414.113	DY	2243.232
		Class Stake out	DZ -906.864	Code	8-1-09prechk
		Obs L1 Fixed	H.pr 0.019	V.pr	0.027
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	17.5
		Horz SD		Vert SD	
		Start wk 1542 sec 584444.0		End wk 1542 sec 584449.0	
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000167166	VCV xy	0.0000183331
		VCV xz	-0.0000018709	VCV yy	0.0000587095
		VCV yz	-0.0000198782	VCV zz	0.0000277472
PT DGN	SO	Name	CP426	To the Point	
GRID D	SO	Delta N	-0.020	Delta E	-0.125
		Delta Elv	0.004		
GPSVEC	SO	Point ID 23203	DX -6175.689	DY	1205.065
		Class Stake out	DZ -2024.150	Code	8-1-09prechk
		Obs L1 Fixed	H.pr 0.017	V.pr	0.024
GPSQC1	NM	Min SVs	17	PDOP max	0.9
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	17.1
		Horz SD		Vert SD	
		Start wk 1542 sec 585019.0		End wk 1542 sec 585025.0	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0099999998
		VCV xx	0.0000129472	VCV xy	0.000011876
		VCV xz	0.0000001498	VCV yy	0.0000463631
		VCV yz	-0.0000165659	VCV zz	0.000022309
PT DGN	SO	Name	106	To the Point	
GRID D	SO	Delta N	0.036	Delta E	-0.040
		Delta Elv	-0.062		
GPSVEC	TP	Point ID 23204	DX -6773.889	DY	1935.009
		Class Normal	DZ -1471.268	Code	ph-1 temp cp
		Obs L1 Fixed	H.pr 0.019	V.pr	0.025

GPSQC1 NM Min SVs 16 PDOP max 1.0
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 0.8
Monitor status Not monitored RMS 16.3
Horz SD Vert SD
Start wk 1542 sec 585279.0 End wk 1542 sec 585284.0

GPSQC2 NM Ttl satellites 16 Err Scale 0.0099999998
VCV xx 0.0000155749 VCV xy 0.000014327
VCV xz 0.0000010582 VCV yy 0.0000493998
VCV yz -0.0000168545 VCV zz 0.0000254676

SURVEY EVENTKISurvey event Survey ended

NOTE TS Time Date 08/01/2009 Time 12:48:54

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 1542
Init type On the fly seconds 590554.0
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

GPSVEEC SO Point ID 23205 DX -6773.916 DY 1934.961
Class Stake out DZ -1471.268 Code 8-1-09prechk
Obs L1 Fixed H.pr 0.015 V.pr 0.027

GPSQC1 NM Min SVs 16 PDOP max 1.2
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 21.7
Horz SD Vert SD
Start wk 1542 sec 590601.0 End wk 1542 sec 590606.0

GPSQC2 NM Ttl satellites 16 Err Scale 0.0099999998
VCV xx 0.0000176941 VCV xy 0.0000167174
VCV xz -0.0000115478 VCV yy 0.0000416097
VCV yz -0.0000227804 VCV zz 0.0000303279

PT DGN SO Name 23204 To the Point

GRID D SO Delta N 0.032 Delta E 0.003
Delta Elv -0.044

GPSVEEC SO Point ID 23206 DX -6661.483 DY 1506.956
Class Stake out DZ -1887.398 Code 3rd Toe
Obs L1 Fixed H.pr 0.015 V.pr 0.027

GPSQC1 NM Min SVs 16 PDOP max 1.0
Relative DOPs Yes HDOP max 0.5
Total GPS pos 6 VDOP max 0.9
Monitor status Not monitored RMS 13.9
Horz SD Vert SD
Start wk 1542 sec 590863.0 End wk 1542 sec 590868.0

GPSQC2 NM Ttl satellites 16 Err Scale 0.0099999998
VCV xx 0.0000174993 VCV xy 0.00001704
VCV xz -0.0000123891 VCV yy 0.0000422915
VCV yz -0.0000239636 VCV zz 0.0000316008

PT DGN SO Name 33023 To the Point

GRID D SO Delta N 0.044 Delta E -0.035
Delta Elv 0.046

GPSVEEC SO Point ID 23207 DX -6657.216 DY 1494.250
Class Stake out DZ -1899.884 Code 3rd Toe
Obs L1 Fixed H.pr 0.015 V.pr 0.028

GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	21.0
		Horz SD		Vert SD	
		Start wk 1542 sec	590923.0	End wk 1542 sec	590929.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000176978	VCV xy	0.0000173297
		VCV xz	-0.0000127014	VCV yy	0.0000423275
		VCV yz	-0.0000241165	VCV zz	0.000031597
PT DGN	SO	Name	33022	To the Point	
GRID D	SO	Delta N	-0.027	Delta E	0.003
		Delta Elv	0.024		
GPSVEC	SO	Point ID 23208	DX -6659.074	DY	1483.478
		Class Stake out	DZ -1913.500	Code	3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr	0.028
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	13.5
		Horz SD		Vert SD	
		Start wk 1542 sec	590971.0	End wk 1542 sec	590976.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000179819	VCV xy	0.0000177337
		VCV xz	-0.0000131096	VCV yy	0.0000428805
		VCV yz	-0.0000246066	VCV zz	0.0000320748
PT DGN	SO	Name	33021	To the Point	
GRID D	SO	Delta N	0.063	Delta E	-0.070
		Delta Elv	0.027		
GPSVEC	SO	Point ID 23209	DX -6665.006	DY	1476.609
		Class Stake out	DZ -1924.748	Code	3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr	0.028
GPSQC1	NM	Min SVs	10	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	10.0
		Horz SD		Vert SD	
		Start wk 1542 sec	591036.0	End wk 1542 sec	591041.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000182817	VCV xy	0.0000182
		VCV xz	-0.0000135996	VCV yy	0.000043675
		VCV yz	-0.000025298	VCV zz	0.0000328229
PT DGN	SO	Name	33020	To the Point	
GRID D	SO	Delta N	-0.031	Delta E	0.032
		Delta Elv	0.017		
GPSVEC	SO	Point ID 23210	DX -6675.055	DY	1468.548
		Class Stake out	DZ -1939.664	Code	3rd Toe-crown
		Obs L1 Fixed	H.pr 0.015	V.pr	0.028
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	21.7
		Horz SD		Vert SD	
		Start wk 1542 sec	591075.0	End wk 1542 sec	591080.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.000018362	VCV xy	0.0000183844
		VCV xz	-0.0000138141	VCV yy	0.0000439633
		VCV yz	-0.0000255776	VCV zz	0.0000330903
PT DGN	SO	Name	33019	To the Point	
GRID D	SO	Delta N	-0.065	Delta E	-0.064
		Delta Elv	0.020		
GPSVEC	SO	Point ID 23211	DX -6681.583	DY	1460.200
		Class Stake out	DZ -1954.803	Code	3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	8.7
		Horz SD		Vert SD	
		Start wk 1542 sec	591143.0	End wk 1542 sec	591148.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000186129	VCV xy	0.0000188111
		VCV xz	-0.0000142612	VCV yy	0.0000447867
		VCV yz	-0.0000262589	VCV zz	0.0000338433
PT DGN	SO	Name	33018	To the Point	
GRID D	SO	Delta N	0.041	Delta E	0.020
		Delta Elv	0.036		

GPSVEC	SO	Point ID 23212	DX -6686.073	DY 1452.881
		Class Stake out	DZ -1967.314	Code 3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr 0.029
GPSQC1	NM	Min SVs 15	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 12.1	
		Horz SD	Vert SD	
		Start wk 1542 sec 591226.0	End wk 1542 sec 591231.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000188797	VCV xy 0.0000192974	
		VCV xz -0.000014773	VCV yy 0.0000457443	
		VCV yz -0.000027047	VCV zz 0.0000347008	
PT DGN	SO	Name 33017	To the Point	
GRID D	SO	Delta N 0.029	Delta E -0.032	
		Delta Elv 0.044		
GPSVEC	SO	Point ID 23213	DX -6702.099	DY 1446.022
		Class Stake out	DZ -1986.323	Code 3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr 0.029
GPSQC1	NM	Min SVs 15	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 16.6	
		Horz SD	Vert SD	
		Start wk 1542 sec 591271.0	End wk 1542 sec 591278.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000187959	VCV xy 0.0000193302	
		VCV xz -0.0000148692	VCV yy 0.000045734	
		VCV yz -0.0000271683	VCV zz 0.0000347904	
PT DGN	SO	Name 33016	To the Point	
GRID D	SO	Delta N -0.027	Delta E 0.033	
		Delta Elv 0.025		
GPSVEC	SO	Point ID 23214	DX -6715.753	DY 1446.182
		Class Stake out	DZ -1994.579	Code 3rd Toe
		Obs L1 Fixed	H.pr 0.015	V.pr 0.030
GPSQC1	NM	Min SVs 15	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 16.7	
		Horz SD	Vert SD	
		Start wk 1542 sec 591390.0	End wk 1542 sec 591395.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000192918	VCV xy 0.0000201631	
		VCV xz -0.0000156857	VCV yy 0.0000474666	
		VCV yz -0.0000285069	VCV zz 0.0000362852	
PT DGN	SO	Name 33025	To the Point	
GRID D	SO	Delta N 0.006	Delta E 0.007	
		Delta Elv 0.031		
GPSVEC	SO	Point ID 23215	DX -6731.423	DY 1468.461
		Class Stake out	DZ -1945.953	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.029
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 16.1	
		Horz SD	Vert SD	
		Start wk 1542 sec 591463.0	End wk 1542 sec 591468.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000193044	VCV xy 0.0000197725	
		VCV xz -0.0000157608	VCV yy 0.0000452954	
		VCV yz -0.0000278438	VCV zz 0.0000364305	
PT DGN	SO	Name 33004	To the Point	
GRID D	SO	Delta N 0.002	Delta E -0.065	
		Delta Elv 0.001		
GPSVEC	SO	Point ID 23216	DX -6727.280	DY 1473.050
		Class Stake out	DZ -1938.318	Code 3rd FL
		Obs L1 Fixed	H.pr 0.015	V.pr 0.030
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 20.7	
		Horz SD	Vert SD	
		Start wk 1542 sec 591528.0	End wk 1542 sec 591535.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000193223	VCV xy 0.0000201142	
		VCV xz -0.0000160492	VCV yy 0.0000462402	
		VCV yz -0.0000284772	VCV zz 0.0000368188	
PT DGN	SO	Name 33029	To the Point	

GRID D	SO	Delta N	0.025	Delta E	0.030
		Delta Elv	0.004		
NOTE	TS	Time Date 08/01/2009 Time 13:19:36			
GPSVEC	SO	Point ID 23217	DX -6719.414	DY	1481.225
		Class Stake out	DZ -1923.383	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.030
GPSQC1	NM	Min SVs 16	PDOP max	1.1	
		Relative DOPs Yes	HDOP max	0.5	
		Total GPS pos 5	VDOP max	0.9	
		Monitor status Not monitored	RMS	12.5	
		Horz SD	Vert SD		
		Start wk 1542 sec 591584.0	End wk 1542	sec 591589.0	
GPSQC2	NM	Ttl satellites 16	Err Scale	0.0099999998	
		VCV xx 0.0000195713	VCV xy	0.0000205668	
		VCV xz -0.0000164457	VCV yy	0.0000472996	
		VCV yz -0.0000291946	VCV zz	0.0000375803	
PT DGN	SO	Name	33005	To the Point	
GRID D	SO	Delta N	-0.076	Delta E	-0.032
		Delta Elv	0.025		
GPSVEC	SO	Point ID 23218	DX -6710.891	DY	1490.208
		Class Stake out	DZ -1907.040	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.030
GPSQC1	NM	Min SVs 10	PDOP max	1.0	
		Relative DOPs Yes	HDOP max	0.5	
		Total GPS pos 5	VDOP max	0.9	
		Monitor status Not monitored	RMS	22.3	
		Horz SD	Vert SD		
		Start wk 1542 sec 591639.0	End wk 1542	sec 591644.0	
GPSQC2	NM	Ttl satellites 10	Err Scale	0.0099999998	
		VCV xx 0.0000196995	VCV xy	0.0000208634	
		VCV xz -0.0000167254	VCV yy	0.0000479679	
		VCV yz -0.0000296924	VCV zz	0.0000380969	
PT DGN	SO	Name	33006	To the Point	
GRID D	SO	Delta N	-0.019	Delta E	0.026
		Delta Elv	0.047		
GPSVEC	SO	Point ID 23219	DX -6721.125	DY	1498.778
		Class Stake out	DZ -1902.497	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.030
GPSQC1	NM	Min SVs 16	PDOP max	1.1	
		Relative DOPs Yes	HDOP max	0.5	
		Total GPS pos 6	VDOP max	1.0	
		Monitor status Not monitored	RMS	20.9	
		Horz SD	Vert SD		
		Start wk 1542 sec 591709.0	End wk 1542	sec 591714.0	
GPSQC2	NM	Ttl satellites 16	Err Scale	0.0099999998	
		VCV xx 0.0000199778	VCV xy	0.0000213706	
		VCV xz -0.0000171919	VCV yy	0.000049008	
		VCV yz -0.0000304835	VCV zz	0.0000389734	
PT DGN	SO	Name	33007	To the Point	
GRID D	SO	Delta N	0.004	Delta E	0.086
		Delta Elv	0.042		
GPSVEC	SO	Point ID 23220	DX -6738.647	DY	1518.238
		Class Stake out	DZ -1888.757	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.031
GPSQC1	NM	Min SVs 10	PDOP max	1.1	
		Relative DOPs Yes	HDOP max	0.5	
		Total GPS pos 5	VDOP max	0.9	
		Monitor status Not monitored	RMS	12.8	
		Horz SD	Vert SD		
		Start wk 1542 sec 591754.0	End wk 1542	sec 591759.0	
GPSQC2	NM	Ttl satellites 16	Err Scale	0.0099999998	
		VCV xx 0.0000199868	VCV xy	0.0000215044	
		VCV xz -0.0000173305	VCV yy	0.0000492545	
		VCV yz -0.0000307162	VCV zz	0.0000392386	
PT DGN	SO	Name	33008	To the Point	
GRID D	SO	Delta N	-0.063	Delta E	-0.009
		Delta Elv	0.037		
GPSVEC	SO	Point ID 23221	DX -6766.159	DY	1559.107
		Class Stake out	DZ -1854.413	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.030
GPSQC1	NM	Min SVs 16	PDOP max	1.1	
		Relative DOPs Yes	HDOP max	0.5	
		Total GPS pos 6	VDOP max	0.9	
		Monitor status Not monitored	RMS	10.3	
		Horz SD	Vert SD		
		Start wk 1542 sec 591854.0	End wk 1542	sec 591859.0	

GPSQC2	NM	Ttl satellites 16		Err Scale 0.0099999998
		VCV xx 0.000020315		VCV xy 0.0000216436
		VCV xz -0.0000176904		VCV yy 0.0000476374
		VCV yz -0.0000301945		VCV zz 0.0000395756
PT DGN	SO	Name 33009		To the Point
GRID D	SO	Delta N -0.100	Delta E -0.077	
		Delta Elv 0.010		
GPSVEC	SO	Point ID 23222	DX -6785.602	DY 1590.731
		Class Stake out	DZ -1827.740	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.029
GPSQC1	NM	Min SVs 16	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 17.9	
		Horz SD	Vert SD	
		Start wk 1542 sec 591898.0	End wk 1542 sec 591903.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000202509	VCV xy 0.0000208405	
		VCV xz -0.0000173523	VCV yy 0.000042829	
		VCV yz -0.0000276773	VCV zz 0.0000384519	
PT DGN	SO	Name 33010		To the Point
GRID D	SO	Delta N -0.023	Delta E -0.007	
		Delta Elv 0.071		
GPSVEC	SO	Point ID 23223	DX -6800.227	DY 1617.215
		Class Stake out	DZ -1805.374	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.030
GPSQC1	NM	Min SVs 10	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 0.9	
		Monitor status Not monitored	RMS 20.1	
		Horz SD	Vert SD	
		Start wk 1542 sec 591952.0	End wk 1542 sec 591958.0	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0099999998	
		VCV xx 0.0000191644	VCV xy 0.000019922	
		VCV xz -0.0000168904	VCV yy 0.0000450794	
		VCV yz -0.0000289336	VCV zz 0.0000394209	
PT DGN	SO	Name 33011		To the Point
GRID D	SO	Delta N 0.018	Delta E -0.018	
		Delta Elv 0.030		
GPSVEC	SO	Point ID 23224	DX -6814.470	DY 1604.624
		Class Stake out	DZ -1828.445	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.031
GPSQC1	NM	Min SVs 16	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 12.3	
		Horz SD	Vert SD	
		Start wk 1542 sec 591992.0	End wk 1542 sec 591997.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000199712	VCV xy 0.0000214686	
		VCV xz -0.0000178412	VCV yy 0.0000487286	
		VCV yz -0.0000310714	VCV zz 0.0000407947	
PT DGN	SO	Name 33012		To the Point
GRID D	SO	Delta N -0.003	Delta E 0.023	
		Delta Elv 0.015		
GPSVEC	SO	Point ID 23225	DX -6833.060	DY 1584.930
		Class Stake out	DZ -1863.430	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.030
GPSQC1	NM	Min SVs 16	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 11.2	
		Horz SD	Vert SD	
		Start wk 1542 sec 592045.0	End wk 1542 sec 592050.0	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0099999998	
		VCV xx 0.0000197285	VCV xy 0.0000214594	
		VCV xz -0.0000166255	VCV yy 0.000050025	
		VCV yz -0.0000300927	VCV zz 0.000037687	
PT DGN	SO	Name 33013		To the Point
GRID D	SO	Delta N -0.036	Delta E -0.073	
		Delta Elv 0.040		
GPSVEC	SO	Point ID 23226	DX -6861.156	DY 1555.224
		Class Stake out	DZ -1915.754	Code 3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr 0.029

GPSQC1	NM	Min SVs	10	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	22.3
		Horz SD		Vert SD	
		Start wk 1542 sec	592106.0	End wk 1542 sec	592112.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0099999998
		VCV xx	0.0000188784	VCV xy	0.0000204471
		VCV xz	-0.0000143597	VCV yy	0.0000494544
		VCV yz	-0.0000272952	VCV zz	0.000032632
PT DGN	SO	Name	33014	To the Point	
GRID D	SO	Delta N	0.038	Delta E	-0.075
		Delta Elv	0.026		
GPSVEC	SO	Point ID 23227	DX -6887.554	DY	1527.224
		Class Stake out	DZ -1964.094	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.4
		Horz SD		Vert SD	
		Start wk 1542 sec	592157.0	End wk 1542 sec	592163.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000188019	VCV xy	0.0000200579
		VCV xz	-0.0000140166	VCV yy	0.0000464102
		VCV yz	-0.0000255977	VCV zz	0.0000315161
PT DGN	SO	Name	33000	To the Point	
GRID D	SO	Delta N	-0.021	Delta E	-0.018
		Delta Elv	0.007		
GPSVEC	SO	Point ID 23228	DX -6847.902	DY	1512.387
		Class Stake out	DZ -1959.392	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.031
GPSQC1	NM	Min SVs	14	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	16.6
		Horz SD		Vert SD	
		Start wk 1542 sec	592205.0	End wk 1542 sec	592210.0
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000209675	VCV xy	0.0000237185
		VCV xz	-0.0000178923	VCV yy	0.0000539091
		VCV yz	-0.0000322414	VCV zz	0.0000391475
PT DGN	SO	Name	33001	To the Point	
GRID D	SO	Delta N	-0.037	Delta E	-0.036
		Delta Elv	0.049		
GPSVEC	SO	Point ID 23229	DX -6801.314	DY	1494.863
		Class Stake out	DZ -1953.962	Code	3rd Top
		Obs L1 Fixed	H.pr 0.015	V.pr	0.029
GPSQC1	NM	Min SVs	15	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	5	VDOP max	0.9
		Monitor status	Not monitored	RMS	16.7
		Horz SD		Vert SD	
		Start wk 1542 sec	592251.0	End wk 1542 sec	592257.0
GPSQC2	NM	Ttl satellites	15	Err Scale	0.0099999998
		VCV xx	0.0000177114	VCV xy	0.0000185284
		VCV xz	-0.0000154509	VCV yy	0.0000460055
		VCV yz	-0.0000283712	VCV zz	0.0000383232
PT DGN	SO	Name	33002	To the Point	
GRID D	SO	Delta N	0.035	Delta E	0.010
		Delta Elv	0.071		
GPSVEC	SO	Point ID 23230	DX -6766.010	DY	1481.623
		Class Stake out	DZ -1949.746	Code	3rd Top
		Obs L1 Fixed	H.pr 0.016	V.pr	0.032
GPSQC1	NM	Min SVs	14	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	17.7
		Horz SD		Vert SD	
		Start wk 1542 sec	592292.0	End wk 1542 sec	592297.0
GPSQC2	NM	Ttl satellites	14	Err Scale	0.0099999998
		VCV xx	0.0000205223	VCV xy	0.000023256
		VCV xz	-0.0000186272	VCV yy	0.0000541302
		VCV yz	-0.0000336994	VCV zz	0.0000423038
PT DGN	SO	Name	33003	To the Point	
GRID D	SO	Delta N	-0.013	Delta E	0.057
		Delta Elv	0.057		

GPSVEC	SO	Point ID 23231		DX	-6755.912		DY	1491.983
		Class Stake out		DZ	-1931.968		Code	3rd FL
		Obs L1 Fixed		H.pr	0.016		V.pr	0.034
GPSQC1	NM	Min SVs	14			PDOP max	1.2	
		Relative DOPs	Yes			HDOP max	0.5	
		Total GPS pos	6			VDOP max	1.1	
		Monitor status	Not monitored			RMS	17.4	
		Horz SD				Vert SD		
		Start wk 1542 sec	592353.0			End wk 1542 sec	592358.0	
GPSQC2	NM	Ttl satellites	14			Err Scale	0.0099999998	
		VCV xx	0.0000232986			VCV xy	0.0000279435	
		VCV xz	-0.0000217714			VCV yy	0.0000623418	
		VCV yz	-0.0000390635			VCV zz	0.0000463388	
PT DGN	SO	Name	33028			To the Point		
GRID D	SO	Delta N	-0.006			Delta E	-0.021	
		Delta Elv	0.017					
GPSVEC	SO	Point ID 23232		DX	-6798.732		DY	1527.952
		Class Stake out		DZ	-1912.998		Code	3rd FL
		Obs L1 Fixed		H.pr	0.016		V.pr	0.034
GPSQC1	NM	Min SVs	8			PDOP max	1.5	
		Relative DOPs	Yes			HDOP max	0.6	
		Total GPS pos	6			VDOP max	1.4	
		Monitor status	Not monitored			RMS	22.6	
		Horz SD				Vert SD		
		Start wk 1542 sec	592412.0			End wk 1542 sec	592417.0	
GPSQC2	NM	Ttl satellites	13			Err Scale	0.0099999998	
		VCV xx	0.0000228406			VCV xy	0.0000275499	
		VCV xz	-0.0000199191			VCV yy	0.0000625085	
		VCV yz	-0.0000366758			VCV zz	0.0000419615	
PT DGN	SO	Name	33027			To the Point		
GRID D	SO	Delta N	-0.010			Delta E	-0.039	
		Delta Elv	0.041					
GPSVEC	SO	Point ID 23233		DX	-6837.040		DY	1560.062
		Class Stake out		DZ	-1896.073		Code	3rd FL
		Obs L1 Fixed		H.pr	0.016		V.pr	0.035
GPSQC1	NM	Min SVs	13			PDOP max	1.2	
		Relative DOPs	Yes			HDOP max	0.5	
		Total GPS pos	6			VDOP max	1.1	
		Monitor status	Not monitored			RMS	14.1	
		Horz SD				Vert SD		
		Start wk 1542 sec	592467.0			End wk 1542 sec	592472.0	
GPSQC2	NM	Ttl satellites	13			Err Scale	0.0099999998	
		VCV xx	0.0000243334			VCV xy	0.00002997	
		VCV xz	-0.0000226299			VCV yy	0.0000665678	
		VCV yz	-0.0000410018			VCV zz	0.0000471299	
PT DGN	SO	Name	33026			To the Point		
GRID D	SO	Delta N	0.053			Delta E	-0.067	
		Delta Elv	0.040					
GPSVEC	SO	Point ID 23234		DX	-6710.898		DY	1530.266
		Class Stake out		DZ	-1875.362		Code	mid
		Obs L1 Fixed		H.pr	0.016		V.pr	0.035
GPSQC1	NM	Min SVs	14			PDOP max	1.2	
		Relative DOPs	Yes			HDOP max	0.5	
		Total GPS pos	6			VDOP max	1.1	
		Monitor status	Not monitored			RMS	20.8	
		Horz SD				Vert SD		
		Start wk 1542 sec	592622.0			End wk 1542 sec	592627.0	
GPSQC2	NM	Ttl satellites	14			Err Scale	0.0099999998	
		VCV xx	0.0000243409			VCV xy	0.000030478	
		VCV xz	-0.0000226086			VCV yy	0.0000684327	
		VCV yz	-0.0000414949			VCV zz	0.0000475848	
LIN DGN	SO	Name	33083-33008			To the Line		
		Station	111.760			H.Offset	<null>	
		Elv	<null>					
LIN D	SO	D Station	<null>			D Offset	-0.034	
		D Elev	0.010			Grd to Line	1:3.308	
GRID D	SO	Delta N	-0.022			Delta E	0.026	
		Delta Elv	0.010					
GPSVEC	SO	Point ID 23235		DX	-6646.794		DY	1558.056
		Class Stake out		DZ	-1844.454		Code	<no text>
		Obs L1 Fixed		H.pr	0.016		V.pr	0.036
GPSQC1	NM	Min SVs	13			PDOP max	1.2	
		Relative DOPs	Yes			HDOP max	0.5	
		Total GPS pos	6			VDOP max	1.1	
		Monitor status	Not monitored			RMS	13.9	
		Horz SD				Vert SD		
		Start wk 1542 sec	592779.0			End wk 1542 sec	592784.0	

GPSQC2	NM	Ttl satellites 13		Err Scale 0.0099999998
		VCV xx 0.0000257975		VCV xy 0.0000315851
		VCV xz -0.0000258089		VCV yy 0.0000656367
		VCV yz -0.0000437123		VCV zz 0.0000539077
LIN DGN	SO	Name 33083-33008	To the Line	
		Station 39.259	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.019
		D Elev 0.022	Grd to Line	1:0.88
GRID D	SO	Delta N -0.012	Delta E	0.015
		Delta Elv 0.022		
GPSVEC	SO	Point ID 23236	DX -6665.811	DY 1593.911
		Class Stake out	DZ -1813.975	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.037
GPSQC1	NM	Min SVs 13	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 1.2	
		Monitor status Not monitored	RMS 8.8	
		Horz SD	Vert SD	
		Start wk 1542 sec 592919.0	End wk 1542 sec 592924.0	
GPSQC2	NM	Ttl satellites 13	Err Scale 0.0099999998	
		VCV xx 0.0000254411	VCV xy 0.0000319874	
		VCV xz -0.0000258404	VCV yy 0.0000685986	
		VCV yz -0.00004543	VCV zz 0.0000547497	
LIN DGN	SO	Name 33082-33009	To the Line	
		Station 34.331	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.011
		D Elev 0.052	Grd to Line	1:0.207
GRID D	SO	Delta N 0.008	Delta E	-0.008
		Delta Elv 0.052		
GPSVEC	SO	Point ID 23237	DX -6719.169	DY 1575.400
		Class Stake out	DZ -1835.491	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.034
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 27.4	
		Horz SD	Vert SD	
		Start wk 1542 sec 592997.0	End wk 1542 sec 593002.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000228204	VCV xy 0.0000281976	
		VCV xz -0.0000210088	VCV yy 0.0000632832	
		VCV yz -0.0000384559	VCV zz 0.0000464604	
LIN DGN	SO	Name 33082-33009	To the Line	
		Station 91.656	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.008
		D Elev 0.014	Grd to Line	1:0.528
GRID D	SO	Delta N 0.005	Delta E	-0.005
		Delta Elv 0.014		
GPSVEC	SO	Point ID 23238	DX -6736.220	DY 1608.009
		Class Stake out	DZ -1807.687	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.033
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 18.6	
		Horz SD	Vert SD	
		Start wk 1542 sec 593084.0	End wk 1542 sec 593089.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000219758	VCV xy 0.0000268611	
		VCV xz -0.0000190734	VCV yy 0.0000608093	
		VCV yz -0.0000352043	VCV zz 0.0000434499	
LIN DGN	SO	Name 33010-33081	To the Line	
		Station 53.166	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.012
		D Elev 0.070	Grd to Line	1:0.166
GRID D	SO	Delta N -0.008	Delta E	0.008
		Delta Elv 0.070		
GPSVEC	SO	Point ID 23239	DX -6686.121	DY 1625.524
		Class Stake out	DZ -1787.276	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.029
GPSQC1	NM	Min SVs 14	PDOP max 1.0	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 18.5	
		Horz SD	Vert SD	
		Start wk 1542 sec 593140.0	End wk 1542 sec 593145.0	

GPSQC2	NM	Ttl satellites 14		Err Scale 0.0099999998
		VCV xx 0.0000168391		VCV xy 0.0000191876
		VCV xz -0.0000135093		VCV yy 0.0000481612
		VCV yz -0.0000267867		VCV zz 0.000035826
LIN DGN	SO	Name 33010-33081	To the Line	
		Station 107.121	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.040
		D Elev 0.012	Grd to Line	1:3.365
GRID D	SO	Delta N -0.028	Delta E	0.029
		Delta Elv 0.012		
GPSVEC	SO	Point ID 23240	DX -6697.392	DY 1652.875
		Class Stake out	DZ -1763.589	Code mid
		Obs L1 Fixed	H.pr 0.017	V.pr 0.034
GPSQC1	NM	Min SVs 14	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 20.2	
		Horz SD	Vert SD	
		Start wk 1542 sec 593278.0	End wk 1542 sec 593283.0	
GPSQC2	NM	Ttl satellites 14	Err Scale 0.0099999998	
		VCV xx 0.0000214313	VCV xy 0.0000270573	
		VCV xz -0.0000182831	VCV yy 0.0000650021	
		VCV yz -0.0000359587	VCV zz 0.0000433967	
LIN DGN	SO	Name 33080-33011	To the Line	
		Station 27.059	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	-0.058
		D Elev 0.021	Grd to Line	1:2.774
GRID D	SO	Delta N -0.041	Delta E	0.042
		Delta Elv 0.021		
GPSVEC	SO	Point ID 23241	DX -6672.276	DY 1661.526
		Class Stake out	DZ -1753.469	Code toe-1
		Obs L1 Fixed	H.pr 0.016	V.pr 0.032
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 14.3	
		Horz SD	Vert SD	
		Start wk 1542 sec 593360.0	End wk 1542 sec 593366.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000196293	VCV xy 0.0000243966	
		VCV xz -0.0000169384	VCV yy 0.0000595978	
		VCV yz -0.0000334421	VCV zz 0.0000418352	
PT DGN	SO	Name 33080	To the Point	
GRID D	SO	Delta N 0.068	Delta E	0.053
		Delta Elv 0.016		
GPSVEC	TP	Point ID 23242	DX -6671.235	DY 1661.079
		Class Normal	DZ -1752.243	Code toe-2
		Obs L1 Fixed	H.pr 0.016	V.pr 0.031
GPSQC1	NM	Min SVs 14	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 5	VDOP max 1.0	
		Monitor status Not monitored	RMS 18.7	
		Horz SD	Vert SD	
		Start wk 1542 sec 593384.0	End wk 1542 sec 593390.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.000018321	VCV xy 0.0000226418	
		VCV xz -0.0000142755	VCV yy 0.0000576644	
		VCV yz -0.0000301261	VCV zz 0.000036792	
NOTE	TS	Time Date 08/01/2009 Time 13:51:37		
GPSVEC	SO	Point ID 23243	DX -6750.275	DY 1634.546
		Class Stake out	DZ -1785.105	Code mid
		Obs L1 Fixed	H.pr 0.016	V.pr 0.030
GPSQC1	NM	Min SVs 15	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 0.9	
		Monitor status Not monitored	RMS 16.8	
		Horz SD	Vert SD	
		Start wk 1542 sec 593504.0	End wk 1542 sec 593509.0	
GPSQC2	NM	Ttl satellites 15	Err Scale 0.0099999998	
		VCV xx 0.0000192459	VCV xy 0.000022312	
		VCV xz -0.0000149137	VCV yy 0.0000524976	
		VCV yz -0.0000287656	VCV zz 0.0000383916	
LIN DGN	SO	Name 33011-33080	To the Line	
		Station 53.738	H.Offset	<null>
		Elv <null>		
LIN D	SO	D Station <null>	D Offset	0.006
		D Elev 0.054	Grd to Line	1:0.106

GRID D	SO	Delta N	-0.004	Delta E	0.004
		Delta Elv	0.054		
GPSVEC	SO	Point ID 23244	DX -6773.916	DY	1934.957
		Class Stake out	DZ -1471.258	Code	8-1-09postchk
		Obs L1 Fixed	H.pr 0.016	V.pr	0.030
GPSQC1	NM	Min SVs	16	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1542 sec 593738.0		End wk 1542 sec 593743.0	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0099999998
		VCV xx	0.0000190168	VCV xy	0.0000229476
		VCV xz	-0.0000123228	VCV yy	0.0000597317
		VCV yz	-0.0000261956	VCV zz	0.0000287485
PT DGN	SO	Name	23204	To the Point	
GRID D	SO	Delta N	0.026	Delta E	0.002
		Delta Elv	-0.053		
SURVEY EVENTKISurvey event Survey ended					