

SC V10-70 Copyright © Trimble Navigation Ltd, 1996-2003  
 Serial no 4401 05-Apr-10 15:02  
 Angle Degrees Dist US Feet Press inch Hg  
 Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID 4-5-10-FG TOE AS  
 Atmos crn No C and R crn Yes Refrac cnst 0.20  
 Elev Yes Sea level crn No

NOTE TS Time Date 10/15/2009 Time 14:40:17

SITE TM 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 TM File name <no text>

PROJ TM 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 0.000 Orig Elev 0.000  
 Orient 1 0°00'00" Orient 2 0°00'00"  
 Scale 1.0000000000

LOCELL TM Local Rad 20925604.474 Flat. 298.2572229329

DATUM TM 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 0.00000000

COGO NM Azmth From North Dir North-East

PLANE TM Orig Nrth 18728.937 Orig East 15068.999  
 Trans N -24.769 Trans E -1.419  
 Rotation -0°20'39.273751" Scale 1.00000000

HGTADJ TM 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 Projection from data collector  
 Zone Name Zone from data collector  
 Datum Name (WGS 84)  
 Coord System Option Chosen from library

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

NOTE TS Time Date 10/20/2009 Time 19:12:51

F FILE FC File Used No  
 ID 00000 Name

COGO NM Azmth From North Dir North-East

NOTE TS Time Date 01/06/2010 Time 12:41:40

NOTE TS Time Date 04/05/2010 Time 09:48:38

NOTE NM Following data imported from 4-5-10 FG Toe ASB Stake.csv

F-CODE KI Code BREAK-CONCRETE START

NOTE NM Following data imported from CAMU Controll1.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 EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS SI Point ID 60000 Lat 36°03'20.28840"N Lng 115°01'24.44658"W  
 Class Control Hgt 1657.677 Code NEW BASE\_1\_7\_10  
 Obs User Input H.pr <null> V.pr <null>

GPSANT KI Antenna ht 0.000 Measuremt True

GPSPOS FD Point ID 60000 Lat 36°03'20.28840"N Lng 115°01'24.44658"W  
 Class Control Hgt 1657.677 Code NEW BASE\_1\_7\_10  
 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 5.151 Measuremt True

GPSREF KI Reference 60000

INIT	KI	Init event	Gained	Week	1578
		Init type	On the fly	seconds	147756.0
		Init counter	2	Point ID	<no text>
		Survey type	Real Time	Plate H.Dist	<null>
		Plate V.Dist	<null>	Plate azimuth	<null>
INIT	KI	Init event	Lost	Week	1578
		Init type	On the fly	seconds	147757.0
		Init counter	2	Point ID	<no text>
		Survey type	Real Time	Plate H.Dist	<null>
		Plate V.Dist	<null>	Plate azimuth	<null>
INIT	KI	Init event	Gained	Week	1578
		Init type	On the fly	seconds	147759.0
		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	R8-2	Serial no	4906165952
		Antenna	R8 GNSS/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=	4.120		
GPSANT	KI	Antenna ht	6.562	Measuremt	Uncorrected
GPSVEC	SO	Point ID 60001	DX 1976.026	DY	-3241.910
		Class Stake out	DZ -2848.466	Code	PRECHK.CP-106.4-
		Obs L1 Fixed	H.pr 0.013	V.pr	0.023
F-CODE	SO	Code	PRECHK.CP-106.4-5-10.MV		
GPSQC1	NM	Min SVs	19	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	0.9
		Monitor status	Not monitored	RMS	12.2
		Horz SD		Vert SD	
		Start wk 1578 sec	147858.8	End wk 1578 sec	147863.8
GPSQC2	NM	Ttl satellites	19	Err Scale	0.0077459668
		VCV xx	0.0000220256	VCV xy	0.0000224954
		VCV xz	-0.0000156726	VCV yy	0.0000455933
		VCV yz	-0.0000275269	VCV zz	0.0000439774
PT DGN	SO	Name	106	To the Point	
GRID D	SO	Delta N	-0.036	Delta E	-0.045
		Delta Elv	0.011		
GPSVEC	SO	Point ID 3021936	DX 1966.999	DY	-3213.135
		Class Stake out	DZ -2816.470	Code	21936
		Obs L1 Fixed	H.pr 0.014	V.pr	0.024
GPSQC1	NM	Min SVs	19	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	17.1
		Horz SD		Vert SD	
		Start wk 1578 sec	147953.2	End wk 1578 sec	147958.2
GPSQC2	NM	Ttl satellites	19	Err Scale	0.0077459668
		VCV xx	0.0000241835	VCV xy	0.0000250739
		VCV xz	-0.0000174762	VCV yy	0.0000507124
		VCV yz	-0.0000306859	VCV zz	0.0000477522
PT DGN	SO	Name	21936	To the Point	
GRID D	SO	Delta N	-0.065	Delta E	0.004
		Delta Elv	0.026		
GPSVEC	SO	Point ID 3020151	DX 1965.027	DY	-3211.939
		Class Stake out	DZ -2814.475	Code	20151
		Obs L1 Fixed	H.pr 0.014	V.pr	0.024
GPSQC1	NM	Min SVs	19	PDOP max	1.1
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk 1578 sec	148019.0	End wk 1578 sec	148024.0
GPSQC2	NM	Ttl satellites	19	Err Scale	0.0077459668
		VCV xx	0.0000236209	VCV xy	0.000024792
		VCV xz	-0.000017253	VCV yy	0.0000504657
		VCV yz	-0.0000304443	VCV zz	0.0000461191
PT DGN	SO	Name	20151	To the Point	
GRID D	SO	Delta N	-0.043	Delta E	0.018
		Delta Elv	0.034		
GPSVEC	SO	Point ID 3020205	DX 1958.854	DY	-3213.248
		Class Stake out	DZ -2819.558	Code	20205
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.1
		Horz SD		Vert SD	
		Start wk 1578 sec	148350.4	End wk 1578 sec	148355.4

GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.0000287854		VCV xy 0.0000332937
		VCV xz -0.0000230109		VCV yy 0.0000654977
		VCV yz -0.0000401834		VCV zz 0.0000516733
PT DGN	SO	Name 20205		To the Point
GRID D	SO	Delta N -0.119	Delta E 0.090	
		Delta Elv 0.097		
GPSVEC	SO	Point ID 3021935	DX 1960.371	DY -3214.358
		Class Stake out	DZ -2821.708	Code 21935
		Obs L1 Fixed	H.pr 0.014	V.pr 0.028
GPSQC1	NM	Min SVs 17	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 14.6	
		Horz SD	Vert SD	
		Start wk 1578 sec 148425.0	End wk 1578 sec 148430.0	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000293624	VCV xy 0.0000345488	
		VCV xz -0.0000240401	VCV yy 0.0000681176	
		VCV yz -0.0000421614	VCV zz 0.0000529462	
PT DGN	SO	Name 21935		To the Point
GRID D	SO	Delta N -0.193	Delta E 0.067	
		Delta Elv 0.074		
GPSVEC	SO	Point ID 3021934	DX 1937.195	DY -3212.705
		Class Stake out	DZ -2832.131	Code 21934
		Obs L1 Fixed	H.pr 0.014	V.pr 0.029
GPSQC1	NM	Min SVs 17	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 16.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 148497.6	End wk 1578 sec 148502.6	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000300411	VCV xy 0.0000357995	
		VCV xz -0.0000251216	VCV yy 0.0000711123	
		VCV yz -0.000044387	VCV zz 0.0000549528	
PT DGN	SO	Name 21934		To the Point
GRID D	SO	Delta N 0.087	Delta E 0.030	
		Delta Elv -0.084		
GPSVEC	SO	Point ID 3020207	DX 1936.500	DY -3211.371
		Class Stake out	DZ -2829.459	Code 20207
		Obs L1 Fixed	H.pr 0.013	V.pr 0.029
GPSQC1	NM	Min SVs 17	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 13.0	
		Horz SD	Vert SD	
		Start wk 1578 sec 148687.6	End wk 1578 sec 148692.6	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000293118	VCV xy 0.0000359888	
		VCV xz -0.0000258198	VCV yy 0.0000731987	
		VCV yz -0.0000466555	VCV zz 0.0000561274	
PT DGN	SO	Name 20207		To the Point
GRID D	SO	Delta N -0.155	Delta E 0.105	
		Delta Elv 0.078		
NOTE	TS	Time Date 04/05/2010 Time 10:20:17		
GPSVEC	SO	Point ID 3020210	DX 1923.341	DY -3208.644
		Class Stake out	DZ -2833.080	Code 20210
		Obs L1 Fixed	H.pr 0.018	V.pr 0.028
GPSQC1	NM	Min SVs 17	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 7	VDOP max 1.1	
		Monitor status Not monitored	RMS 15.0	
		Horz SD	Vert SD	
		Start wk 1578 sec 148824.0	End wk 1578 sec 148829.8	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077488329	
		VCV xx 0.0000297427	VCV xy 0.0000372898	
		VCV xz -0.0000271489	VCV yy 0.0000771686	
		VCV yz -0.0000498759	VCV zz 0.00005894	
PT DGN	SO	Name 20210		To the Point
GRID D	SO	Delta N -0.019	Delta E 0.054	
		Delta Elv -0.055		
GPSVEC	SO	Point ID 3021933	DX 1923.821	DY -3209.694
		Class Stake out	DZ -2835.705	Code 21933
		Obs L1 Fixed	H.pr 0.018	V.pr 0.029

GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	17.2
		Horz SD		Vert SD	
		Start wk 1578	sec 149021.8	End wk 1578	sec 149026.8
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0080190571
		VCV xx	0.0000307618	VCV xy	0.0000397212
		VCV xz	-0.0000294705	VCV yy	0.0000843082
		VCV yz	-0.0000554701	VCV zz	0.0000640558
PT DGN	SO	Name	21933	To the Point	
GRID D	SO	Delta N	-0.027	Delta E	-0.027
		Delta Elv	-0.110		
GPSVEC	SO	Point ID 3021932		DX 1914.875	DY -3207.150
		Class Stake out		DZ -2837.658	Code 21932
		Obs L1 Fixed		H.pr 0.018	V.pr 0.029
GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1578	sec 149080.4	End wk 1578	sec 149085.4
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0080654388
		VCV xx	0.0000307784	VCV xy	0.000040076
		VCV xz	-0.0000298866	VCV yy	0.0000857035
		VCV yz	-0.0000566579	VCV zz	0.0000650295
PT DGN	SO	Name	21932	To the Point	
GRID D	SO	Delta N	0.026	Delta E	0.006
		Delta Elv	0.010		
GPSVEC	SO	Point ID 3020149		DX 1914.459	DY -3206.091
		Class Stake out		DZ -2834.960	Code 20149
		Obs L1 Fixed		H.pr 0.013	V.pr 0.031
GPSQC1	NM	Min SVs	16	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	7	VDOP max	1.2
		Monitor status	Not monitored	RMS	10.7
		Horz SD		Vert SD	
		Start wk 1578	sec 149137.2	End wk 1578	sec 149143.0
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000302902	VCV xy	0.0000397678
		VCV xz	-0.0000298065	VCV yy	0.0000857013
		VCV yz	-0.000056919	VCV zz	0.0000649485
PT DGN	SO	Name	20149	To the Point	
GRID D	SO	Delta N	-0.066	Delta E	-0.019
		Delta Elv	0.042		
GPSVEC	SO	Point ID 3020147		DX 1875.567	DY -3192.342
		Class Stake out		DZ -2839.724	Code 20147
		Obs L1 Fixed		H.pr 0.014	V.pr 0.033
GPSQC1	NM	Min SVs	16	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	15.2
		Horz SD		Vert SD	
		Start wk 1578	sec 149264.2	End wk 1578	sec 149269.2
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000314712	VCV xy	0.0000422665
		VCV xz	-0.0000325923	VCV yy	0.0000920529
		VCV yz	-0.0000628609	VCV zz	0.0000713682
PT DGN	SO	Name	20147	To the Point	
GRID D	SO	Delta N	-0.058	Delta E	0.001
		Delta Elv	-0.081		
GPSVEC	SO	Point ID 3021931		DX 1875.915	DY -3193.225
		Class Stake out		DZ -2842.328	Code 21931
		Obs L1 Fixed		H.pr 0.014	V.pr 0.033
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	11.7
		Horz SD		Vert SD	
		Start wk 1578	sec 149327.8	End wk 1578	sec 149332.8
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000318235	VCV xy	0.000043099
		VCV xz	-0.0000333589	VCV yy	0.0000946384
		VCV yz	-0.0000648439	VCV zz	0.0000732109
PT DGN	SO	Name	21931	To the Point	
GRID D	SO	Delta N	-0.145	Delta E	-0.001
		Delta Elv	-0.060		

GPSVEC	SO	Point ID 3021930	DX	1846.229	DY	-3182.648
		Class Stake out	DZ	-2846.044	Code	21930
		Obs L1 Fixed	H.pr	0.014	V.pr	0.033
GPSQC1	NM	Min SVs 16		PDOP max	1.5	
		Relative DOPs Yes		HDOP max	0.6	
		Total GPS pos 6		VDOP max	1.4	
		Monitor status Not monitored		RMS	11.0	
		Horz SD		Vert SD		
		Start wk 1578 sec 149392.4		End wk 1578 sec 149397.4		
GPSQC2	NM	Ttl satellites 16		Err Scale	0.0077459668	
		VCV xx 0.0000317935		VCV xy	0.0000434027	
		VCV xz -0.0000336825		VCV yy	0.0000961813	
		VCV yz -0.0000660344		VCV zz	0.0000741206	
PT DGN	SO	Name 21930		To the Point		
GRID D	SO	Delta N -0.123		Delta E	0.026	
		Delta Elv -0.048				
GPSVEC	SO	Point ID 3020145	DX	1846.038	DY	-3181.887
		Class Stake out	DZ	-2843.500	Code	20145
		Obs L1 Fixed	H.pr	0.014	V.pr	0.034
GPSQC1	NM	Min SVs 16		PDOP max	1.5	
		Relative DOPs Yes		HDOP max	0.6	
		Total GPS pos 6		VDOP max	1.4	
		Monitor status Not monitored		RMS	14.5	
		Horz SD		Vert SD		
		Start wk 1578 sec 149432.0		End wk 1578 sec 149437.0		
GPSQC2	NM	Ttl satellites 16		Err Scale	0.0077459668	
		VCV xx 0.000031614		VCV xy	0.0000433631	
		VCV xz -0.0000336989		VCV yy	0.0000966661	
		VCV yz -0.0000664279		VCV zz	0.0000742943	
PT DGN	SO	Name 20145		To the Point		
GRID D	SO	Delta N 0.069		Delta E	0.042	
		Delta Elv -0.069				
GPSVEC	SO	Point ID 3021929	DX	1811.348	DY	-3170.267
		Class Stake out	DZ	-2850.420	Code	21929
		Obs L1 Fixed	H.pr	0.014	V.pr	0.034
GPSQC1	NM	Min SVs 16		PDOP max	1.5	
		Relative DOPs Yes		HDOP max	0.6	
		Total GPS pos 6		VDOP max	1.4	
		Monitor status Not monitored		RMS	11.0	
		Horz SD		Vert SD		
		Start wk 1578 sec 149489.4		End wk 1578 sec 149494.4		
GPSQC2	NM	Ttl satellites 16		Err Scale	0.0077459668	
		VCV xx 0.0000316704		VCV xy	0.0000437184	
		VCV xz -0.0000340291		VCV yy	0.0000982535	
		VCV yz -0.0000675756		VCV zz	0.0000752191	
PT DGN	SO	Name 21929		To the Point		
GRID D	SO	Delta N -0.079		Delta E	-0.056	
		Delta Elv -0.060				
GPSVEC	SO	Point ID 3020143	DX	1811.292	DY	-3169.378
		Class Stake out	DZ	-2847.854	Code	20143
		Obs L1 Fixed	H.pr	0.014	V.pr	0.034
GPSQC1	NM	Min SVs 16		PDOP max	1.5	
		Relative DOPs Yes		HDOP max	0.6	
		Total GPS pos 6		VDOP max	1.4	
		Monitor status Not monitored		RMS	12.7	
		Horz SD		Vert SD		
		Start wk 1578 sec 149550.0		End wk 1578 sec 149555.0		
GPSQC2	NM	Ttl satellites 16		Err Scale	0.0077459668	
		VCV xx 0.0000314676		VCV xy	0.0000437191	
		VCV xz -0.0000340802		VCV yy	0.0000991249	
		VCV yz -0.0000682113		VCV zz	0.0000755682	
PT DGN	SO	Name 20143		To the Point		
GRID D	SO	Delta N 0.017		Delta E	0.047	
		Delta Elv 0.047				
GPSVEC	SO	Point ID 3021928	DX	1771.143	DY	-3155.845
		Class Stake out	DZ	-2855.356	Code	21928
		Obs L1 Fixed	H.pr	0.014	V.pr	0.034
GPSQC1	NM	Min SVs 16		PDOP max	1.5	
		Relative DOPs Yes		HDOP max	0.6	
		Total GPS pos 6		VDOP max	1.4	
		Monitor status Not monitored		RMS	12.7	
		Horz SD		Vert SD		
		Start wk 1578 sec 149625.8		End wk 1578 sec 149630.8		
GPSQC2	NM	Ttl satellites 16		Err Scale	0.0077459668	
		VCV xx 0.0000312073		VCV xy	0.000043682	
		VCV xz -0.0000341053		VCV yy	0.000100149	
		VCV yz -0.0000689273		VCV zz	0.0000759529	
PT DGN	SO	Name 21928		To the Point		

GRID D	SO	Delta N	-0.073	Delta E	0.070
		Delta Elv	-0.068		
GPSVEC	SO	Point ID 3020141	DX 1770.883	DY -3154.859	
		Class Stake out	DZ -2852.790	Code 20141	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.034	
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	11.6
		Horz SD		Vert SD	
		Start wk 1578 sec 149679.6		End wk 1578 sec 149685.2	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000308334	VCV xy	0.000043371
		VCV xz	-0.0000338965	VCV yy	0.0001002356
		VCV yz	-0.0000689758	VCV zz	0.0000757439
PT DGN	SO	Name	20141	To the Point	
GRID D	SO	Delta N	-0.025	Delta E	0.067
		Delta Elv	0.041		
GPSVEC	SO	Point ID 3021927	DX 1717.707	DY -3136.551	
		Class Stake out	DZ -2861.658	Code 21927	
		Obs L1 Fixed	H.pr 0.013	V.pr 0.034	
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.5
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1578 sec 149730.0		End wk 1578 sec 149735.0	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000312019	VCV xy	0.0000438437
		VCV xz	-0.0000343334	VCV yy	0.000097531
		VCV yz	-0.0000674253	VCV zz	0.000075334
PT DGN	SO	Name	21927	To the Point	
GRID D	SO	Delta N	-0.077	Delta E	0.050
		Delta Elv	-0.051		
GPSVEC	SO	Point ID 3020139	DX 1717.287	DY -3135.434	
		Class Stake out	DZ -2859.141	Code 20139	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.034	
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	7	VDOP max	1.4
		Monitor status	Not monitored	RMS	12.6
		Horz SD		Vert SD	
		Start wk 1578 sec 149790.8		End wk 1578 sec 149796.6	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000307979	VCV xy	0.0000436345
		VCV xz	-0.0000341745	VCV yy	0.0001009239
		VCV yz	-0.00006949	VCV zz	0.0000763713
PT DGN	SO	Name	20139	To the Point	
GRID D	SO	Delta N	-0.055	Delta E	0.003
		Delta Elv	-0.079		
GPSVEC	SO	Point ID 3021926	DX 1668.891	DY -3118.869	
		Class Stake out	DZ -2867.453	Code 21926	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.034	
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	14.4
		Horz SD		Vert SD	
		Start wk 1578 sec 149853.6		End wk 1578 sec 149858.6	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000302387	VCV xy	0.0000428763
		VCV xz	-0.0000337333	VCV yy	0.0001018643
		VCV yz	-0.000070022	VCV zz	0.0000769454
PT DGN	SO	Name	21926	To the Point	
GRID D	SO	Delta N	-0.088	Delta E	0.002
		Delta Elv	0.046		
GPSVEC	SO	Point ID 3020137	DX 1668.530	DY -3117.666	
		Class Stake out	DZ -2865.051	Code 20137	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.034	
GPSQC1	NM	Min SVs	16	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	7	VDOP max	1.4
		Monitor status	Not monitored	RMS	14.4
		Horz SD		Vert SD	
		Start wk 1578 sec 149941.0		End wk 1578 sec 149946.8	
GPSQC2	NM	Ttl satellites	16	Err Scale	0.0077459668
		VCV xx	0.0000301727	VCV xy	0.0000431888
		VCV xz	-0.0000338836	VCV yy	0.0001038811
		VCV yz	-0.0000711591	VCV zz	0.0000773131

PT DGN	SO	Name	20137	To the Point	
GRID D	SO	Delta N	-0.022	Delta E	0.018
		Delta Elv	-0.041		
GPSVEC	SO	Point ID 3020135	DX 1621.544	DY	-3100.549
		Class Stake out	DZ -2870.644	Code	20135
		Obs L1 Fixed	H.pr 0.018	V.pr	0.032
GPSQC1	NM	Min SVs 17	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.7	
		Total GPS pos 6	VDOP max	1.2	
		Monitor status Not monitored	RMS	15.0	
		Horz SD	Vert SD		
		Start wk 1578 sec 150042.6	End wk 1578	sec 150047.6	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0078314086	
		VCV xx 0.000029123	VCV xy	0.0000418021	
		VCV xz -0.0000320494	VCV yy	0.0001035812	
		VCV yz -0.0000692738	VCV zz	0.0000744302	
PT DGN	SO	Name	20135	To the Point	
GRID D	SO	Delta N	-0.074	Delta E	-0.002
		Delta Elv	-0.075		
GPSVEC	SO	Point ID 3021925	DX 1621.961	DY	-3101.798
		Class Stake out	DZ -2873.046	Code	21925
		Obs L1 Fixed	H.pr 0.018	V.pr	0.032
GPSQC1	NM	Min SVs 17	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.7	
		Total GPS pos 7	VDOP max	1.2	
		Monitor status Not monitored	RMS	13.8	
		Horz SD	Vert SD		
		Start wk 1578 sec 150089.2	End wk 1578	sec 150095.0	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077757877	
		VCV xx 0.0000287458	VCV xy	0.0000413397	
		VCV xz -0.000031681	VCV yy	0.0001032439	
		VCV yz -0.0000688889	VCV zz	0.000073893	
PT DGN	SO	Name	21925	To the Point	
GRID D	SO	Delta N	-0.120	Delta E	-0.021
		Delta Elv	-0.001		
GPSVEC	SO	Point ID 3021924	DX 1570.144	DY	-3082.411
		Class Stake out	DZ -2879.470	Code	21924
		Obs L1 Fixed	H.pr 0.014	V.pr	0.034
GPSQC1	NM	Min SVs 17	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.7	
		Total GPS pos 6	VDOP max	1.3	
		Monitor status Not monitored	RMS	14.6	
		Horz SD	Vert SD		
		Start wk 1578 sec 150208.0	End wk 1578	sec 150213.0	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000279811	VCV xy	0.0000403684	
		VCV xz -0.000030867	VCV yy	0.0001029035	
		VCV yz -0.0000681489	VCV zz	0.00007286	
PT DGN	SO	Name	21924	To the Point	
GRID D	SO	Delta N	-0.117	Delta E	-0.066
		Delta Elv	0.100		
GPSVEC	SO	Point ID 3020133	DX 1569.967	DY	-3081.263
		Class Stake out	DZ -2877.088	Code	20133
		Obs L1 Fixed	H.pr 0.014	V.pr	0.033
GPSQC1	NM	Min SVs 17	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.7	
		Total GPS pos 6	VDOP max	1.3	
		Monitor status Not monitored	RMS	14.5	
		Horz SD	Vert SD		
		Start wk 1578 sec 150254.6	End wk 1578	sec 150259.6	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000273006	VCV xy	0.0000394174	
		VCV xz -0.0000301035	VCV yy	0.0001013429	
		VCV yz -0.0000668838	VCV zz	0.0000714274	
PT DGN	SO	Name	20133	To the Point	
GRID D	SO	Delta N	-0.028	Delta E	-0.086
		Delta Elv	0.098		
GPSVEC	SO	Point ID 3021923	DX 1511.133	DY	-3060.328
		Class Stake out	DZ -2886.807	Code	21923
		Obs L1 Fixed	H.pr 0.014	V.pr	0.033
GPSQC1	NM	Min SVs 17	PDOP max	1.4	
		Relative DOPs Yes	HDOP max	0.7	
		Total GPS pos 6	VDOP max	1.3	
		Monitor status Not monitored	RMS	14.6	
		Horz SD	Vert SD		
		Start wk 1578 sec 150363.0	End wk 1578	sec 150368.0	

GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.000026032		VCV xy 0.0000367395
		VCV xz -0.0000283641		VCV yy 0.000096443
		VCV yz -0.000063575		VCV zz 0.0000692847
PT DGN	SO	Name 21923		To the Point
GRID D	SO	Delta N -0.022		Delta E 0.022
		Delta Elv 0.062		
GPSVEC	SO	Point ID 3021922	DX 1466.262	DY -3043.367
		Class Stake out	DZ -2892.282	Code 21922
		Obs L1 Fixed	H.pr 0.014	V.pr 0.033
GPSQC1	NM	Min SVs 17		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.7
		Total GPS pos 5		VDOP max 1.3
		Monitor status Not monitored		RMS 14.3
		Horz SD		Vert SD
		Start wk 1578 sec 150481.6		End wk 1578 sec 150486.6
GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.0000261161		VCV xy 0.0000369919
		VCV xz -0.0000283284		VCV yy 0.0000978525
		VCV yz -0.0000638694		VCV zz 0.0000690013
PT DGN	SO	Name 21922		To the Point
GRID D	SO	Delta N -0.146		Delta E 0.017
		Delta Elv 0.066		
GPSVEC	SO	Point ID 3020129	DX 1465.819	DY -3042.332
		Class Stake out	DZ -2889.842	Code 20129
		Obs L1 Fixed	H.pr 0.014	V.pr 0.032
GPSQC1	NM	Min SVs 17		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.6
		Total GPS pos 6		VDOP max 1.3
		Monitor status Not monitored		RMS 12.4
		Horz SD		Vert SD
		Start wk 1578 sec 150529.0		End wk 1578 sec 150534.0
GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.0000256587		VCV xy 0.000036268
		VCV xz -0.0000277476		VCV yy 0.0000967401
		VCV yz -0.0000628849		VCV zz 0.0000679789
PT DGN	SO	Name 20129		To the Point
GRID D	SO	Delta N -0.004		Delta E 0.009
		Delta Elv 0.073		
GPSVEC	SO	Point ID 3021921	DX 1418.024	DY -3025.330
		Class Stake out	DZ -2898.313	Code 21921
		Obs L1 Fixed	H.pr 0.013	V.pr 0.032
GPSQC1	NM	Min SVs 17		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 6		VDOP max 1.3
		Monitor status Not monitored		RMS 13.8
		Horz SD		Vert SD
		Start wk 1578 sec 150591.8		End wk 1578 sec 150596.8
GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.000023647		VCV xy 0.0000332562
		VCV xz -0.0000265951		VCV yy 0.0000917379
		VCV yz -0.0000602229		VCV zz 0.0000654835
PT DGN	SO	Name 21921		To the Point
GRID D	SO	Delta N -0.047		Delta E 0.000
		Delta Elv -0.014		
NOTE	TS	Time Date 04/05/2010 Time 10:50:26		
GPSVEC	SO	Point ID 3020127	DX 1417.853	DY -3024.359
		Class Stake out	DZ -2895.621	Code 20127
		Obs L1 Fixed	H.pr 0.013	V.pr 0.032
GPSQC1	NM	Min SVs 17		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.5
		Total GPS pos 7		VDOP max 1.3
		Monitor status Not monitored		RMS 12.0
		Horz SD		Vert SD
		Start wk 1578 sec 150632.8		End wk 1578 sec 150638.6
GPSQC2	NM	Ttl satellites 17		Err Scale 0.0077459668
		VCV xx 0.0000240408		VCV xy 0.0000337895
		VCV xz -0.0000263179		VCV yy 0.000092778
		VCV yz -0.0000601134		VCV zz 0.000065234
PT DGN	SO	Name 20127		To the Point
GRID D	SO	Delta N -0.111		Delta E -0.063
		Delta Elv 0.037		
GPSVEC	SO	Point ID 3021920	DX 1382.618	DY -3012.018
		Class Stake out	DZ -2902.624	Code 21920
		Obs L1 Fixed	H.pr 0.014	V.pr 0.032



GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	14.4
		Horz SD		Vert SD	
		Start wk 1578	sec 150674.0	End wk 1578	sec 150679.0
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000243919	VCV xy	0.0000341044
		VCV xz	-0.0000263104	VCV yy	0.000093826
		VCV yz	-0.0000604094	VCV zz	0.0000657442
PT DGN	SO	Name	21920	To the Point	
GRID D	SO	Delta N	-0.121	Delta E	-0.081
		Delta Elv	0.019		
GPSVEC	SO	Point ID 3020125		DX 1382.499	DY -3011.139
		Class Stake out		DZ -2900.014	Code 20125
		Obs L1 Fixed		H.pr 0.014	V.pr 0.032
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	1.3
		Monitor status	Not monitored	RMS	15.4
		Horz SD		Vert SD	
		Start wk 1578	sec 150725.8	End wk 1578	sec 150731.6
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000242374	VCV xy	0.00003385
		VCV xz	-0.0000258781	VCV yy	0.0000937786
		VCV yz	-0.0000598379	VCV zz	0.0000650626
PT DGN	SO	Name	20125	To the Point	
GRID D	SO	Delta N	-0.057	Delta E	-0.050
		Delta Elv	0.069		
GPSVEC	SO	Point ID 3021919		DX 1347.304	DY -2998.810
		Class Stake out		DZ -2906.971	Code 21919
		Obs L1 Fixed		H.pr 0.014	V.pr 0.032
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk 1578	sec 150765.6	End wk 1578	sec 150771.2
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000243266	VCV xy	0.0000338942
		VCV xz	-0.0000258284	VCV yy	0.0000944826
		VCV yz	-0.0000599706	VCV zz	0.0000652648
PT DGN	SO	Name	21919	To the Point	
GRID D	SO	Delta N	-0.095	Delta E	-0.027
		Delta Elv	0.029		
GPSVEC	SO	Point ID 3020123		DX 1347.094	DY -2997.907
		Class Stake out		DZ -2904.361	Code 20123
		Obs L1 Fixed		H.pr 0.014	V.pr 0.032
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	13.4
		Horz SD		Vert SD	
		Start wk 1578	sec 150804.8	End wk 1578	sec 150810.0
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000240627	VCV xy	0.0000334288
		VCV xz	-0.0000254203	VCV yy	0.0000938288
		VCV yz	-0.0000592603	VCV zz	0.0000645721
PT DGN	SO	Name	20123	To the Point	
GRID D	SO	Delta N	-0.015	Delta E	0.145
		Delta Elv	0.066		
GPSVEC	SO	Point ID 3021918		DX 1300.839	DY -2981.418
		Class Stake out		DZ -2912.764	Code 21918
		Obs L1 Fixed		H.pr 0.014	V.pr 0.031
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	7	VDOP max	1.3
		Monitor status	Not monitored	RMS	12.4
		Horz SD		Vert SD	
		Start wk 1578	sec 150876.4	End wk 1578	sec 150882.2
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000235506	VCV xy	0.0000325066
		VCV xz	-0.0000246537	VCV yy	0.0000924705
		VCV yz	-0.0000578722	VCV zz	0.0000632463
PT DGN	SO	Name	21918	To the Point	
GRID D	SO	Delta N	-0.019	Delta E	-0.011
		Delta Elv	0.095		

GPSVEC	SO	Point ID 3020121	DX 1300.437	DY -2980.544
		Class Stake out	DZ -2909.995	Code 20121
		Obs L1 Fixed	H.pr 0.014	V.pr 0.031
GPSQC1	NM	Min SVs 17	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.3	
		Monitor status Not monitored	RMS 13.1	
		Horz SD	Vert SD	
		Start wk 1578 sec 150934.4	End wk 1578 sec 150939.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000232648	VCV xy 0.0000319226	
		VCV xz -0.0000241717	VCV yy 0.0000917581	
		VCV yz -0.0000570115	VCV zz 0.000062497	
PT DGN	SO	Name 20121	To the Point	
GRID D	SO	Delta N -0.060	Delta E -0.073	
		Delta Elv -0.050		
GPSVEC	SO	Point ID 3021917	DX 1260.841	DY -2966.503
		Class Stake out	DZ -2917.599	Code 21917
		Obs L1 Fixed	H.pr 0.014	V.pr 0.030
GPSQC1	NM	Min SVs 17	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 14.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 150999.0	End wk 1578 sec 151004.0	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000221486	VCV xy 0.0000296814	
		VCV xz -0.0000232118	VCV yy 0.0000879715	
		VCV yz -0.0000552431	VCV zz 0.0000615239	
PT DGN	SO	Name 21917	To the Point	
GRID D	SO	Delta N -0.052	Delta E -0.060	
		Delta Elv 0.021		
GPSVEC	SO	Point ID 3020119	DX 1260.759	DY -2965.691
		Class Stake out	DZ -2914.802	Code 20119
		Obs L1 Fixed	H.pr 0.014	V.pr 0.030
GPSQC1	NM	Min SVs 17	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 13.3	
		Horz SD	Vert SD	
		Start wk 1578 sec 151036.8	End wk 1578 sec 151042.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000223024	VCV xy 0.0000299963	
		VCV xz -0.0000230222	VCV yy 0.0000886787	
		VCV yz -0.0000548493	VCV zz 0.0000608528	
PT DGN	SO	Name 20119	To the Point	
GRID D	SO	Delta N -0.105	Delta E -0.039	
		Delta Elv -0.075		
GPSVEC	SO	Point ID 3020594	DX 1205.574	DY -2945.293
		Class Stake out	DZ -2922.030	Code 20594
		Obs L1 Fixed	H.pr 0.024	V.pr 0.052
GPSQC1	NM	Min SVs 16	PDOP max 1.6	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 6	VDOP max 1.5	
		Monitor status Not monitored	RMS 13.4	
		Horz SD	Vert SD	
		Start wk 1578 sec 151213.8	End wk 1578 sec 151218.8	
GPSQC2	NM	Ttl satellites 16	Err Scale 0.0105787134	
		VCV xx 0.0000382985	VCV xy 0.0000498617	
		VCV xz -0.0000381204	VCV yy 0.0001555659	
		VCV yz -0.0000930544	VCV zz 0.0001057772	
PT DGN	SO	Name 20594	To the Point	
GRID D	SO	Delta N -0.092	Delta E 0.096	
		Delta Elv 0.020		
GPSVEC	SO	Point ID 3021916	DX 1205.404	DY -2946.138
		Class Stake out	DZ -2924.747	Code 21916
		Obs L1 Fixed	H.pr 0.013	V.pr 0.029
GPSQC1	NM	Min SVs 17	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.5	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 13.7	
		Horz SD	Vert SD	
		Start wk 1578 sec 151249.4	End wk 1578 sec 151254.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000192198	VCV xy 0.0000249313	
		VCV xz -0.0000202227	VCV yy 0.0000797761	
		VCV yz -0.0000485226	VCV zz 0.0000554639	
PT DGN	SO	Name 21916	To the Point	

GRID D	SO	Delta N	-0.068	Delta E	0.000
		Delta Elv	-0.044		
GPSVEC	SO	Point ID 3021915	DX 1161.690	DY -2930.142	
		Class Stake out	DZ -2930.688	Code 21915	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.029	
GPSQC1	NM	Min SVs	17	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 1578 sec 151341.8		End wk 1578 sec 151347.4	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000204649	VCV xy	0.0000262952
		VCV xz	-0.0000200349	VCV yy	0.00008062
		VCV yz	-0.0000478569	VCV zz	0.0000550662
PT DGN	SO	Name	21915	To the Point	
GRID D	SO	Delta N	-0.100	Delta E	0.011
		Delta Elv	0.040		
GPSVEC	SO	Point ID 3020591	DX 1161.612	DY -2929.361	
		Class Stake out	DZ -2928.158	Code 20591	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.029	
GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	14.2
		Horz SD		Vert SD	
		Start wk 1578 sec 151391.4		End wk 1578 sec 151396.4	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000205081	VCV xy	0.0000263152
		VCV xz	-0.0000197812	VCV yy	0.0000819484
		VCV yz	-0.0000477436	VCV zz	0.0000545416
PT DGN	SO	Name	20591	To the Point	
GRID D	SO	Delta N	0.082	Delta E	0.044
		Delta Elv	0.079		
GPSVEC	SO	Point ID 3021914	DX 1113.106	DY -2912.612	
		Class Stake out	DZ -2937.281	Code 21914	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.028	
GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	12.2
		Horz SD		Vert SD	
		Start wk 1578 sec 151505.8		End wk 1578 sec 151511.4	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000201025	VCV xy	0.0000254764
		VCV xz	-0.0000189312	VCV yy	0.0000802087
		VCV yz	-0.0000453796	VCV zz	0.0000523516
PT DGN	SO	Name	21914	To the Point	
GRID D	SO	Delta N	-0.008	Delta E	-0.049
		Delta Elv	-0.056		
GPSVEC	SO	Point ID 3020588	DX 1113.162	DY -2911.606	
		Class Stake out	DZ -2934.509	Code 20588	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.028	
GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	12.1
		Horz SD		Vert SD	
		Start wk 1578 sec 151579.2		End wk 1578 sec 151584.2	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000198342	VCV xy	0.000024769
		VCV xz	-0.0000183444	VCV yy	0.0000799032
		VCV yz	-0.0000445925	VCV zz	0.000051588
PT DGN	SO	Name	20588	To the Point	
GRID D	SO	Delta N	-0.154	Delta E	0.079
		Delta Elv	0.053		
GPSVEC	SO	Point ID 3021913	DX 1048.140	DY -2888.944	
		Class Stake out	DZ -2946.077	Code 21913	
		Obs L1 Fixed	H.pr 0.014	V.pr 0.028	
GPSQC1	NM	Min SVs	17	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	11.3
		Horz SD		Vert SD	
		Start wk 1578 sec 151656.0		End wk 1578 sec 151661.0	
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.000019444	VCV xy	0.0000243564
		VCV xz	-0.0000180456	VCV yy	0.0000777415
		VCV yz	-0.0000422445	VCV zz	0.0000494558

PT DGN	SO	Name	21913	To the Point	
GRID D	SO	Delta N	-0.013	Delta E	0.009
		Delta Elv	-0.030		
GPSVEC	SO	Point ID 3020585	DX 1047.806	DY	-2888.068
		Class Stake out	DZ -2943.470	Code	20585
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs 17	PDOP max	1.3	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 7	VDOP max	1.1	
		Monitor status Not monitored	RMS	9.6	
		Horz SD	Vert SD		
		Start wk 1578 sec 151698.0	End wk 1578	sec 151703.6	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000192292	VCV xy	0.0000236774	
		VCV xz -0.0000174705	VCV yy	0.0000773176	
		VCV yz -0.0000418769	VCV zz	0.0000491352	
PT DGN	SO	Name	20585	To the Point	
GRID D	SO	Delta N	0.078	Delta E	0.041
		Delta Elv	-0.054		
GPSVEC	SO	Point ID 3021912	DX 998.805	DY	-2870.883
		Class Stake out	DZ -2952.771	Code	21912
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs 17	PDOP max	1.3	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 6	VDOP max	1.1	
		Monitor status Not monitored	RMS	9.5	
		Horz SD	Vert SD		
		Start wk 1578 sec 151772.8	End wk 1578	sec 151777.8	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000191598	VCV xy	0.0000231074	
		VCV xz -0.0000169745	VCV yy	0.000077199	
		VCV yz -0.0000412753	VCV zz	0.0000488093	
PT DGN	SO	Name	21912	To the Point	
GRID D	SO	Delta N	-0.059	Delta E	0.046
		Delta Elv	0.062		
GPSVEC	SO	Point ID 3020582	DX 998.770	DY	-2870.195
		Class Stake out	DZ -2950.023	Code	20582
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs 17	PDOP max	1.2	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 6	VDOP max	1.1	
		Monitor status Not monitored	RMS	10.0	
		Horz SD	Vert SD		
		Start wk 1578 sec 151827.4	End wk 1578	sec 151832.4	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000189723	VCV xy	0.000022612	
		VCV xz -0.0000165644	VCV yy	0.0000764175	
		VCV yz -0.0000403792	VCV zz	0.0000480626	
PT DGN	SO	Name	20582	To the Point	
GRID D	SO	Delta N	0.003	Delta E	0.108
		Delta Elv	-0.078		
GPSVEC	SO	Point ID 3021911	DX 947.722	DY	-2852.254
		Class Stake out	DZ -2959.626	Code	21911
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs 17	PDOP max	1.2	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 7	VDOP max	1.1	
		Monitor status Not monitored	RMS	9.4	
		Horz SD	Vert SD		
		Start wk 1578 sec 151877.2	End wk 1578	sec 151882.8	
GPSQC2	NM	Ttl satellites 17	Err Scale	0.0077459668	
		VCV xx 0.0000187412	VCV xy	0.0000221068	
		VCV xz -0.0000161512	VCV yy	0.0000754331	
		VCV yz -0.0000393875	VCV zz	0.0000471849	
PT DGN	SO	Name	21911	To the Point	
GRID D	SO	Delta N	-0.147	Delta E	-0.048
		Delta Elv	0.060		
GPSVEC	SO	Point ID 3020579	DX 947.603	DY	-2851.619
		Class Stake out	DZ -2956.972	Code	20579
		Obs L1 Fixed	H.pr 0.014	V.pr	0.027
GPSQC1	NM	Min SVs 17	PDOP max	1.2	
		Relative DOPs Yes	HDOP max	0.6	
		Total GPS pos 6	VDOP max	1.1	
		Monitor status Not monitored	RMS	11.6	
		Horz SD	Vert SD		
		Start wk 1578 sec 151918.2	End wk 1578	sec 151923.2	

GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668
		VCV xx 0.0000186452	VCV xy 0.0000218155
		VCV xz -0.0000159064	VCV yy 0.0000749406
		VCV yz -0.0000387531	VCV zz 0.0000466912
PT DGN	SO	Name 20579	To the Point
GRID D	SO	Delta N 0.013	Delta E -0.103
		Delta Elv -0.094	
GPSVEC	SO	Point ID 3020576 DX 892.270 DY -2831.426	
		Class Stake out DZ -2964.464 Code 20576	
		Obs L1 Fixed H.pr 0.014 V.pr 0.026	
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 12.6	
		Horz SD Vert SD	
		Start wk 1578 sec 152040.4 End wk 1578 sec 152045.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668
		VCV xx 0.0000178843	VCV xy 0.0000200191
		VCV xz -0.0000148099	VCV yy 0.0000715469
		VCV yz -0.0000360796	VCV zz 0.0000449494
PT DGN	SO	Name 20576	To the Point
GRID D	SO	Delta N -0.013	Delta E -0.057
		Delta Elv -0.047	
GPSVEC	SO	Point ID 3021910 DX 891.824 DY -2832.079	
		Class Stake out DZ -2967.303 Code 21910	
		Obs L1 Fixed H.pr 0.014 V.pr 0.026	
GPSQC1	NM	Min SVs 17 PDOP max 1.2	
		Relative DOPs Yes HDOP max 0.6	
		Total GPS pos 7 VDOP max 1.1	
		Monitor status Not monitored RMS 11.4	
		Horz SD Vert SD	
		Start wk 1578 sec 152080.2 End wk 1578 sec 152086.0	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668
		VCV xx 0.0000178407	VCV xy 0.0000199271
		VCV xz -0.0000146041	VCV yy 0.0000708879
		VCV yz -0.0000353849	VCV zz 0.0000441353
PT DGN	SO	Name 21910	To the Point
GRID D	SO	Delta N 0.034	Delta E -0.092
		Delta Elv 0.007	
GPSVEC	SO	Point ID 3021909 DX 832.745 DY -2810.585	
		Class Stake out DZ -2975.147 Code 21909	
		Obs L1 Fixed H.pr 0.014 V.pr 0.026	
GPSQC1	NM	Min SVs 17 PDOP max 1.2	
		Relative DOPs Yes HDOP max 0.6	
		Total GPS pos 6 VDOP max 1.0	
		Monitor status Not monitored RMS 11.4	
		Horz SD Vert SD	
		Start wk 1578 sec 152152.4 End wk 1578 sec 152157.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668
		VCV xx 0.0000179658	VCV xy 0.000019905
		VCV xz -0.0000144372	VCV yy 0.0000714674
		VCV yz -0.0000348068	VCV zz 0.0000437358
PT DGN	SO	Name 21909	To the Point
GRID D	SO	Delta N -0.069	Delta E 0.016
		Delta Elv -0.083	
GPSVEC	SO	Point ID 3020573 DX 832.658 DY -2809.626	
		Class Stake out DZ -2972.445 Code 20573	
		Obs L1 Fixed H.pr 0.014 V.pr 0.025	
GPSQC1	NM	Min SVs 17 PDOP max 1.2	
		Relative DOPs Yes HDOP max 0.6	
		Total GPS pos 6 VDOP max 1.0	
		Monitor status Not monitored RMS 9.1	
		Horz SD Vert SD	
		Start wk 1578 sec 152194.0 End wk 1578 sec 152199.0	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668
		VCV xx 0.0000179119	VCV xy 0.0000197524
		VCV xz -0.0000142324	VCV yy 0.000071139
		VCV yz -0.0000341866	VCV zz 0.000043144
PT DGN	SO	Name 20573	To the Point
GRID D	SO	Delta N -0.133	Delta E 0.042
		Delta Elv -0.016	
GPSVEC	SO	Point ID 3021908 DX 778.007 DY -2790.535	
		Class Stake out DZ -2982.578 Code 21908	
		Obs L1 Fixed H.pr 0.014 V.pr 0.025	

GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1578	sec 152277.6	End wk 1578	sec 152282.6
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000177898	VCV xy	0.0000193369
		VCV xz	-0.0000138254	VCV yy	0.0000703925
		VCV yz	-0.0000329599	VCV zz	0.000042149
PT DGN	SO	Name	21908	To the Point	
GRID D	SO	Delta N	-0.140	Delta E	-0.040
		Delta Elv	0.028		
GPSVEC	SO	Point ID 3020570		DY	-2789.756
		Class Stake out		Code	20570
		Obs L1 Fixed	H.pr 0.015	V.pr	0.025
GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	11.3
		Horz SD		Vert SD	
		Start wk 1578	sec 152361.6	End wk 1578	sec 152367.2
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000177137	VCV xy	0.0000189427
		VCV xz	-0.0000134619	VCV yy	0.0000697678
		VCV yz	-0.0000318127	VCV zz	0.0000413361
PT DGN	SO	Name	20570	To the Point	
GRID D	SO	Delta N	-0.065	Delta E	-0.068
		Delta Elv	-0.009		
GPSVEC	SO	Point ID 3020567		DY	-2771.252
		Class Stake out		Code	20567
		Obs L1 Fixed	H.pr 0.015	V.pr	0.024
GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	8.9
		Horz SD		Vert SD	
		Start wk 1578	sec 152429.8	End wk 1578	sec 152434.8
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000170528	VCV xy	0.0000175426
		VCV xz	-0.0000127765	VCV yy	0.0000671745
		VCV yz	-0.0000301376	VCV zz	0.0000403659
PT DGN	SO	Name	20567	To the Point	
GRID D	SO	Delta N	-0.042	Delta E	0.030
		Delta Elv	0.071		
NOTE	TS	Time Date	04/05/2010	Time	11:21:18
GPSVEC	SO	Point ID 3021907		DY	-2772.226
		Class Stake out		Code	21907
		Obs L1 Fixed	H.pr 0.015	V.pr	0.024
GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	9.5
		Horz SD		Vert SD	
		Start wk 1578	sec 152484.2	End wk 1578	sec 152489.4
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000172707	VCV xy	0.0000178743
		VCV xz	-0.0000127199	VCV yy	0.0000676162
		VCV yz	-0.0000296758	VCV zz	0.0000397755
PT DGN	SO	Name	21907	To the Point	
GRID D	SO	Delta N	-0.019	Delta E	-0.072
		Delta Elv	-0.068		
GPSVEC	SO	Point ID 3021973		DY	-2754.243
		Class Stake out		Code	21973
		Obs L1 Fixed	H.pr 0.015	V.pr	0.024
GPSQC1	NM	Min SVs	17	PDOP max	1.2
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	11.3
		Horz SD		Vert SD	
		Start wk 1578	sec 152630.2	End wk 1578	sec 152635.2
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000174204	VCV xy	0.0000176541
		VCV xz	-0.0000123334	VCV yy	0.0000675488
		VCV yz	-0.0000281068	VCV zz	0.0000387774
PT DGN	SO	Name	21973	To the Point	
GRID D	SO	Delta N	0.064	Delta E	0.052
		Delta Elv	-0.104		

GPSVEC	SO	Point ID 3021972	DX 678.493	DY -2753.609
		Class Stake out	DZ -2993.406	Code 21972
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
GPSQC1	NM	Min SVs 17	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 12.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 152680.4	End wk 1578 sec 152685.4	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000172389	VCV xy 0.0000173084	
		VCV xz -0.0000120559	VCV yy 0.0000666876	
		VCV yz -0.0000272619	VCV zz 0.0000380542	
PT DGN	SO	Name 21972	To the Point	
GRID D	SO	Delta N -0.041	Delta E -0.156	
		Delta Elv -0.015		
GPSVEC	SO	Point ID 3020564	DX 673.720	DY -2752.543
		Class Stake out	DZ -2996.991	Code 20564
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
GPSQC1	NM	Min SVs 17	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 12.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 152774.0	End wk 1578 sec 152779.0	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000171897	VCV xy 0.0000168503	
		VCV xz -0.0000118905	VCV yy 0.0000664588	
		VCV yz -0.0000264042	VCV zz 0.0000377694	
PT DGN	SO	Name 20564	To the Point	
GRID D	SO	Delta N 0.096	Delta E 0.091	
		Delta Elv -0.096		
GPSVEC	SO	Point ID 3020565	DX 673.758	DY -2751.860
		Class Stake out	DZ -2994.179	Code 20565
		Obs L1 Fixed	H.pr 0.015	V.pr 0.024
GPSQC1	NM	Min SVs 17	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 5	VDOP max 1.0	
		Monitor status Not monitored	RMS 9.6	
		Horz SD	Vert SD	
		Start wk 1578 sec 152808.6	End wk 1578 sec 152814.6	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000171502	VCV xy 0.0000168107	
		VCV xz -0.0000116724	VCV yy 0.0000659933	
		VCV yz -0.0000257456	VCV zz 0.0000371048	
PT DGN	SO	Name 20565	To the Point	
GRID D	SO	Delta N 0.083	Delta E 0.047	
		Delta Elv 0.083		
GPSVEC	SO	Point ID 3020563	DX 639.133	DY -2736.295
		Class Stake out	DZ -2997.482	Code 20563
		Obs L1 Fixed	H.pr 0.015	V.pr 0.023
GPSQC1	NM	Min SVs 17	PDOP max 1.1	
		Relative DOPs Yes	HDOP max 0.6	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 9.7	
		Horz SD	Vert SD	
		Start wk 1578 sec 152912.2	End wk 1578 sec 152917.2	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000175101	VCV xy 0.0000169692	
		VCV xz -0.0000115343	VCV yy 0.0000667779	
		VCV yz -0.0000248473	VCV zz 0.0000368262	
PT DGN	SO	Name 20563	To the Point	
GRID D	SO	Delta N 0.161	Delta E 0.021	
		Delta Elv -0.093		
GPSVEC	SO	Point ID 3020553	DX 563.250	DY -2599.585
		Class Stake out	DZ -2872.859	Code 20553
		Obs L1 Fixed	H.pr 0.016	V.pr 0.023
GPSQC1	NM	Min SVs 17	PDOP max 1.2	
		Relative DOPs Yes	HDOP max 0.7	
		Total GPS pos 7	VDOP max 0.9	
		Monitor status Not monitored	RMS 10.1	
		Horz SD	Vert SD	
		Start wk 1578 sec 153225.0	End wk 1578 sec 153230.8	
GPSQC2	NM	Ttl satellites 17	Err Scale 0.0077459668	
		VCV xx 0.0000179769	VCV xy 0.0000164713	
		VCV xz -0.0000111034	VCV yy 0.0000676087	
		VCV yz -0.0000218374	VCV zz 0.0000360812	
PT DGN	SO	Name 20553	To the Point	

GRID D	SO	Delta N	-0.038	Delta E	-0.011
		Delta Elv	0.006		
GPSVEC	SO	Point ID 3020550	DX 582.767	DY -2579.759	
		Class Stake out	DZ -2837.423	Code 20550	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.023	
GPSQC1	NM	Min SVs 18	PDOP max 1.1		
		Relative DOPs Yes	HDOP max 0.7		
		Total GPS pos 7	VDOP max 0.9		
		Monitor status Not monitored	RMS 13.9		
		Horz SD	Vert SD		
		Start wk 1578 sec 153533.0	End wk 1578 sec 153538.8		
GPSQC2	NM	Ttl satellites 18	Err Scale 0.0077459668		
		VCV xx 0.0000186091	VCV xy 0.0000168212		
		VCV xz -0.0000100419	VCV yy 0.0000693998		
		VCV yz -0.000018126	VCV zz 0.0000324709		
PT DGN	SO	Name 20550	To the Point		
GRID D	SO	Delta N 0.058	Delta E 0.040		
		Delta Elv -0.072			
GPSVEC	SO	Point ID 3020547	DX 624.968	DY -2552.411	
		Class Stake out	DZ -2779.988	Code 20547	
		Obs L1 Fixed	H.pr 0.015	V.pr 0.021	
GPSQC1	NM	Min SVs 18	PDOP max 1.1		
		Relative DOPs Yes	HDOP max 0.6		
		Total GPS pos 6	VDOP max 0.9		
		Monitor status Not monitored	RMS 10.6		
		Horz SD	Vert SD		
		Start wk 1578 sec 153625.2	End wk 1578 sec 153630.2		
GPSQC2	NM	Ttl satellites 18	Err Scale 0.0077459668		
		VCV xx 0.0000172917	VCV xy 0.0000165421		
		VCV xz -0.000008759	VCV yy 0.0000632058		
		VCV yz -0.0000157094	VCV zz 0.0000273163		
PT DGN	SO	Name 20547	To the Point		
GRID D	SO	Delta N -0.040	Delta E -0.028		
		Delta Elv -0.044			
GPSVEC	SO	Point ID 3020546	DX 623.552	DY -2549.790	
		Class Stake out	DZ -2779.760	Code 20546	
		Obs L1 Fixed	H.pr 0.017	V.pr 0.022	
GPSQC1	NM	Min SVs 18	PDOP max 1.1		
		Relative DOPs Yes	HDOP max 0.7		
		Total GPS pos 6	VDOP max 0.9		
		Monitor status Not monitored	RMS 12.3		
		Horz SD	Vert SD		
		Start wk 1578 sec 153755.8	End wk 1578 sec 153760.8		
GPSQC2	NM	Ttl satellites 18	Err Scale 0.0077459668		
		VCV xx 0.0000191229	VCV xy 0.000017343		
		VCV xz -0.0000096814	VCV yy 0.0000708952		
		VCV yz -0.0000160596	VCV zz 0.0000310404		
PT DGN	SO	Name 20546	To the Point		
GRID D	SO	Delta N 0.019	Delta E 0.016		
		Delta Elv -0.066			
NOTE	TS	Time Date 04/05/2010 Time 11:52:22			
SURVEY	EVENTKISurvey event Survey ended				
NOTE	TS	Time Date 04/05/2010 Time 12:45:15			
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 60000	Lat 36°03'20.28840"N Lng 115°01'24.44658"W		
		Class Control	Hgt 1657.677	Code NEW_BASE_1_7_10	
		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 5.151	Measuremt True		
GPSREF	KI	Reference 60000			
INIT	KI	Init event Gained	Week 1578		
		Init type On the fly	seconds 157559.0		
		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	R8-2	Serial no	4906165952
		Antenna	R8 GNSS/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=4.120			
GPSANT	KI	Antenna ht	6.562	Measuremt	Uncorrected
GPSVEC	SO	Point ID	3020548	DX	1975.980
		Class Stake out		DZ	-2848.469
		Obs L1 Fixed		H.pr	0.026
				DY	-3241.923
				Code	PRECHK.CP-1064-5
				V.pr	0.051
F-CODE	SO	Code PRECHK.CP-1064-5-10.MV			
GPSQC1	NM	Min SVs	12	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.5
		Monitor status	Not monitored	RMS	18.1
		Horz SD		Vert SD	
		Start wk	1578 sec 157677.4	End wk	1578 sec 157682.4
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0103303622
		VCV xx	0.0001608999	VCV xy	0.0001627275
		VCV xz	-0.0001013309	VCV yy	0.000227417
		VCV yz	-0.0001214894	VCV zz	0.0001245224
PT DGN	SO	Name	106	To the Point	
GRID D	SO	Delta N	-0.015	Delta E	-0.010
		Delta Elv	-0.012		
GPSVEC	SO	Point ID	3021937	DX	1976.824
		Class Stake out		DZ	-2804.740
		Obs L1 Fixed		H.pr	0.026
				DY	-3208.039
				Code	21937
				V.pr	0.051
GPSQC1	NM	Min SVs	12	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.5
		Monitor status	Not monitored	RMS	19.2
		Horz SD		Vert SD	
		Start wk	1578 sec 157786.8	End wk	1578 sec 157791.8
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0102517083
		VCV xx	0.0001573009	VCV xy	0.0001595616
		VCV xz	-0.0001026588	VCV yy	0.0002206727
		VCV yz	-0.0001234434	VCV zz	0.0001261999
PT DGN	SO	Name	21937	To the Point	
GRID D	SO	Delta N	0.119	Delta E	-0.018
		Delta Elv	-0.086		
GPSVEC	SO	Point ID	3020203	DX	1974.452
		Class Stake out		DZ	-2803.348
		Obs L1 Fixed		H.pr	0.026
				DY	-3207.099
				Code	20203
				V.pr	0.051
GPSQC1	NM	Min SVs	12	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.5
		Monitor status	Not monitored	RMS	21.8
		Horz SD		Vert SD	
		Start wk	1578 sec 157822.2	End wk	1578 sec 157827.2
GPSQC2	NM	Ttl satellites	12	Err Scale	0.010294728
		VCV xx	0.0001575623	VCV xy	0.0001606696
		VCV xz	-0.0001041259	VCV yy	0.000222511
		VCV yz	-0.0001255995	VCV zz	0.0001279388
PT DGN	SO	Name	20203	To the Point	
GRID D	SO	Delta N	-0.044	Delta E	-0.026
		Delta Elv	-0.034		
GPSVEC	SO	Point ID	3021938	DX	1982.570
		Class Stake out		DZ	-2794.450
		Obs L1 Fixed		H.pr	0.026
				DY	-3202.052
				Code	21938
				V.pr	0.051
GPSQC1	NM	Min SVs	12	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	7	VDOP max	1.5
		Monitor status	Not monitored	RMS	17.7
		Horz SD		Vert SD	
		Start wk	1578 sec 157867.2	End wk	1578 sec 157872.8
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0103689153
		VCV xx	0.0001586223	VCV xy	0.0001626516
		VCV xz	-0.0001064745	VCV yy	0.0002252922
		VCV yz	-0.0001288595	VCV zz	0.0001308026
PT DGN	SO	Name	21938	To the Point	
GRID D	SO	Delta N	0.045	Delta E	0.035
		Delta Elv	-0.023		
GPSVEC	SO	Point ID	3020201	DX	1979.916
		Class Stake out		DZ	-2793.444
		Obs L1 Fixed		H.pr	0.024
				DY	-3201.416
				Code	20201
				V.pr	0.052

GPSQC1	NM	Min SVs	11	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	7	VDOP max	2.1
		Monitor status	Not monitored	RMS	14.4
		Horz SD		Vert SD	
		Start wk 1578	sec 157919.2	End wk 1578	sec 157925.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.000158382	VCV xy	0.0001633746
		VCV xz	-0.0001093407	VCV yy	0.0002234104
		VCV yz	-0.0001317072	VCV zz	0.0001319098
PT DGN	SO	Name	20201	To the Point	
GRID D	SO	Delta N	-0.024	Delta E	0.050
		Delta Elv	-0.063		
GPSVEC	SO	Point ID 3021939	DX 1988.558	DY	-3193.920
		Class Stake out	DZ -2781.250	Code	21939
		Obs L1 Fixed	H.pr 0.025	V.pr	0.059
GPSQC1	NM	Min SVs	11	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	7	VDOP max	2.4
		Monitor status	Not monitored	RMS	15.6
		Horz SD		Vert SD	
		Start wk 1578	sec 157987.4	End wk 1578	sec 157992.8
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0002019167	VCV xy	0.0002085685
		VCV xz	-0.0001475757	VCV yy	0.0002684104
		VCV yz	-0.0001713504	VCV zz	0.0001658066
PT DGN	SO	Name	21939	To the Point	
GRID D	SO	Delta N	0.145	Delta E	-0.063
		Delta Elv	-0.084		
GPSVEC	SO	Point ID 3020153	DX 1985.891	DY	-3193.229
		Class Stake out	DZ -2780.223	Code	20153
		Obs L1 Fixed	H.pr 0.025	V.pr	0.059
GPSQC1	NM	Min SVs	11	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.4
		Monitor status	Not monitored	RMS	12.1
		Horz SD		Vert SD	
		Start wk 1578	sec 158041.4	End wk 1578	sec 158046.4
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0002009418	VCV xy	0.0002089163
		VCV xz	-0.0001503093	VCV yy	0.0002671625
		VCV yz	-0.0001750382	VCV zz	0.0001683907
PT DGN	SO	Name	20153	To the Point	
GRID D	SO	Delta N	-0.015	Delta E	0.008
		Delta Elv	-0.096		
GPSVEC	SO	Point ID 3021940	DX 1995.557	DY	-3181.872
		Class Stake out	DZ -2762.932	Code	21940
		Obs L1 Fixed	H.pr 0.025	V.pr	0.060
GPSQC1	NM	Min SVs	11	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.4
		Monitor status	Not monitored	RMS	15.9
		Horz SD		Vert SD	
		Start wk 1578	sec 158106.0	End wk 1578	sec 158111.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0002070871	VCV xy	0.0002158275
		VCV xz	-0.0001565791	VCV yy	0.0002756319
		VCV yz	-0.0001824126	VCV zz	0.0001754645
PT DGN	SO	Name	21940	To the Point	
GRID D	SO	Delta N	-0.034	Delta E	0.039
		Delta Elv	-0.096		
GPSVEC	SO	Point ID 3020199	DX 1992.826	DY	-3181.521
		Class Stake out	DZ -2762.376	Code	20199
		Obs L1 Fixed	H.pr 0.025	V.pr	0.060
GPSQC1	NM	Min SVs	11	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	5	VDOP max	2.4
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk 1578	sec 158146.6	End wk 1578	sec 158151.6
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0002052608	VCV xy	0.0002156194
		VCV xz	-0.0001577024	VCV yy	0.0002774254
		VCV yz	-0.0001855108	VCV zz	0.0001781112
PT DGN	SO	Name	20199	To the Point	
GRID D	SO	Delta N	0.119	Delta E	-0.027
		Delta Elv	-0.013		

GPSVEC	SO	Point ID 3020197	DX	1996.333	DY	-3174.480
		Class Stake out	DZ	-2751.829	Code	20197
		Obs L1 Fixed	H.pr	0.024	V.pr	0.060
GPSQC1	NM	Min SVs 11		PDOP max	2.6	
		Relative DOPs Yes		HDOP max	1.0	
		Total GPS pos 6		VDOP max	2.4	
		Monitor status Not monitored		RMS	13.7	
		Horz SD		Vert SD		
		Start wk 1578 sec 158196.2		End wk 1578 sec 158201.2		
GPSQC2	NM	Ttl satellites 11		Err Scale	0.0077459668	
		VCV xx 0.0002007184		VCV xy	0.0002121849	
		VCV xz -0.000156547		VCV yy	0.0002744832	
		VCV yz -0.0001856043		VCV zz	0.0001783815	
PT DGN	SO	Name 20197		To the Point		
GRID D	SO	Delta N 0.055		Delta E	0.079	
		Delta Elv -0.072				
GPSVEC	SO	Point ID 3021941	DX	1999.117	DY	-3174.705
		Class Stake out	DZ	-2752.399	Code	21941
		Obs L1 Fixed	H.pr	0.024	V.pr	0.060
GPSQC1	NM	Min SVs 11		PDOP max	2.6	
		Relative DOPs Yes		HDOP max	1.0	
		Total GPS pos 7		VDOP max	2.4	
		Monitor status Not monitored		RMS	14.2	
		Horz SD		Vert SD		
		Start wk 1578 sec 158276.2		End wk 1578 sec 158282.0		
GPSQC2	NM	Ttl satellites 11		Err Scale	0.0077459668	
		VCV xx 0.0001923743		VCV xy	0.0002048592	
		VCV xz -0.0001531415		VCV yy	0.0002665831	
		VCV yz -0.0001833173		VCV zz	0.0001770738	
PT DGN	SO	Name 21941		To the Point		
GRID D	SO	Delta N -0.014		Delta E	0.152	
		Delta Elv -0.076				
GPSVEC	SO	Point ID 3021942	DX	2003.461	DY	-3162.988
		Class Stake out	DZ	-2735.725	Code	21942
		Obs L1 Fixed	H.pr	0.024	V.pr	0.060
GPSQC1	NM	Min SVs 10		PDOP max	2.6	
		Relative DOPs Yes		HDOP max	1.0	
		Total GPS pos 6		VDOP max	2.5	
		Monitor status Not monitored		RMS	9.8	
		Horz SD		Vert SD		
		Start wk 1578 sec 158334.4		End wk 1578 sec 158339.4		
GPSQC2	NM	Ttl satellites 10		Err Scale	0.0077459668	
		VCV xx 0.0001942138		VCV xy	0.0002081496	
		VCV xz -0.0001577027		VCV yy	0.0002724863	
		VCV yz -0.0001909441		VCV zz	0.0001865876	
PT DGN	SO	Name 21942		To the Point		
GRID D	SO	Delta N -0.037		Delta E	0.035	
		Delta Elv -0.002				
GPSVEC	SO	Point ID 3020157	DX	2000.517	DY	-3162.988
		Class Stake out	DZ	-2735.751	Code	20157
		Obs L1 Fixed	H.pr	0.024	V.pr	0.060
GPSQC1	NM	Min SVs 10		PDOP max	2.6	
		Relative DOPs Yes		HDOP max	1.0	
		Total GPS pos 6		VDOP max	2.5	
		Monitor status Not monitored		RMS	10.3	
		Horz SD		Vert SD		
		Start wk 1578 sec 158379.0		End wk 1578 sec 158384.0		
GPSQC2	NM	Ttl satellites 10		Err Scale	0.0077459668	
		VCV xx 0.0001914848		VCV xy	0.0002059971	
		VCV xz -0.0001573844		VCV yy	0.0002706657	
		VCV yz -0.0001917679		VCV zz	0.0001885533	
PT DGN	SO	Name 20157		To the Point		
GRID D	SO	Delta N -0.009		Delta E	0.051	
		Delta Elv -0.014				
GPSVEC	SO	Point ID 3020195	DX	1994.508	DY	-3143.834
		Class Stake out	DZ	-2715.936	Code	20195
		Obs L1 Fixed	H.pr	0.023	V.pr	0.060
GPSQC1	NM	Min SVs 10		PDOP max	2.6	
		Relative DOPs Yes		HDOP max	0.9	
		Total GPS pos 6		VDOP max	2.4	
		Monitor status Not monitored		RMS	13.3	
		Horz SD		Vert SD		
		Start wk 1578 sec 158450.6		End wk 1578 sec 158455.6		
GPSQC2	NM	Ttl satellites 10		Err Scale	0.0077459668	
		VCV xx 0.0001863844		VCV xy	0.0002015918	
		VCV xz -0.0001558101		VCV yy	0.0002663627	
		VCV yz -0.0001914856		VCV zz	0.00018977	
PT DGN	SO	Name 20195		To the Point		

GRID D	SO	Delta N	0.047	Delta E	-0.046
		Delta Elv	-0.029		
GPSVEC	SO	Point ID 3021943	DX 1997.141	DY	-3143.291
		Class Stake out	DZ -2715.304	Code	21943
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs	10	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	2.4
		Monitor status	Not monitored	RMS	11.7
		Horz SD		Vert SD	
		Start wk 1578 sec 158501.6		End wk 1578 sec 158507.4	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0001855251	VCV xy	0.0002013834
		VCV xz	-0.0001568662	VCV yy	0.0002672023
		VCV yz	-0.0001939317	VCV zz	0.0001932528
PT DGN	SO	Name	21943	To the Point	
GRID D	SO	Delta N	0.038	Delta E	0.067
		Delta Elv	-0.096		
GPSVEC	SO	Point ID 3021944	DX 1992.570	DY	-3132.761
		Class Stake out	DZ -2705.448	Code	21944
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs	10	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	2.5
		Monitor status	Not monitored	RMS	11.7
		Horz SD		Vert SD	
		Start wk 1578 sec 158547.0		End wk 1578 sec 158552.8	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0001821381	VCV xy	0.000198302
		VCV xz	-0.0001554682	VCV yy	0.0002641203
		VCV yz	-0.0001932078	VCV zz	0.0001934639
PT DGN	SO	Name	21944	To the Point	
GRID D	SO	Delta N	0.003	Delta E	0.071
		Delta Elv	0.012		
GPSVEC	SO	Point ID 3020159	DX 1990.128	DY	-3134.329
		Class Stake out	DZ -2706.894	Code	20159
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs	10	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	2.4
		Monitor status	Not monitored	RMS	10.0
		Horz SD		Vert SD	
		Start wk 1578 sec 158594.4		End wk 1578 sec 158600.2	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0001800042	VCV xy	0.000196579
		VCV xz	-0.00015513	VCV yy	0.0002629289
		VCV yz	-0.0001938622	VCV zz	0.0001951319
PT DGN	SO	Name	20159	To the Point	
GRID D	SO	Delta N	0.043	Delta E	0.070
		Delta Elv	-0.056		
GPSVEC	SO	Point ID 3021945	DX 1960.282	DY	-3116.324
		Class Stake out	DZ -2704.088	Code	21945
		Obs L1 Fixed	H.pr 0.023	V.pr	0.059
GPSQC1	NM	Min SVs	10	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	2.4
		Monitor status	Not monitored	RMS	10.0
		Horz SD		Vert SD	
		Start wk 1578 sec 158660.2		End wk 1578 sec 158665.8	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0001758523	VCV xy	0.0001914902
		VCV xz	-0.0001515214	VCV yy	0.0002552276
		VCV yz	-0.0001877955	VCV zz	0.0001895511
PT DGN	SO	Name	21945	To the Point	
GRID D	SO	Delta N	0.080	Delta E	-0.116
		Delta Elv	-0.026		
GPSVEC	SO	Point ID 3020161	DX 1959.258	DY	-3118.472
		Class Stake out	DZ -2705.591	Code	20161
		Obs L1 Fixed	H.pr 0.022	V.pr	0.060
GPSQC1	NM	Min SVs	10	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	2.4
		Monitor status	Not monitored	RMS	10.2
		Horz SD		Vert SD	
		Start wk 1578 sec 158733.4		End wk 1578 sec 158738.4	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0001737631	VCV xy	0.0001910012
		VCV xz	-0.0001531926	VCV yy	0.000258333
		VCV yz	-0.0001939701	VCV zz	0.0001982757

PT DGN	SO	Name	20161	To the Point	
GRID D	SO	Delta N	0.043	Delta E	-0.116
		Delta Elv	0.009		
GPSVEC	SO	Point ID 3020163	DX 1930.985	DY	-3103.973
		Class Stake out	DZ -2704.268	Code	20163
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs 10	PDOP max	2.6	
		Relative DOPs Yes	HDOP max	0.9	
		Total GPS pos 6	VDOP max	2.4	
		Monitor status Not monitored	RMS	12.2	
		Horz SD	Vert SD		
		Start wk 1578 sec 158794.6	End wk 1578	sec 158799.6	
GPSQC2	NM	Ttl satellites 10	Err Scale	0.0077459668	
		VCV xx 0.0001735991	VCV xy	0.000191777	
		VCV xz -0.0001551935	VCV yy	0.000261662	
		VCV yz -0.0001987669	VCV zz	0.0002049969	
PT DGN	SO	Name	20163	To the Point	
GRID D	SO	Delta N	-0.064	Delta E	0.029
		Delta Elv	-0.024		
GPSVEC	SO	Point ID 3021946	DX 1931.946	DY	-3101.803
		Class Stake out	DZ -2702.782	Code	21946
		Obs L1 Fixed	H.pr 0.023	V.pr	0.062
GPSQC1	NM	Min SVs 10	PDOP max	2.7	
		Relative DOPs Yes	HDOP max	0.9	
		Total GPS pos 6	VDOP max	2.5	
		Monitor status Not monitored	RMS	14.9	
		Horz SD	Vert SD		
		Start wk 1578 sec 158844.0	End wk 1578	sec 158849.2	
GPSQC2	NM	Ttl satellites 10	Err Scale	0.0077459668	
		VCV xx 0.0001829272	VCV xy	0.0002027618	
		VCV xz -0.0001650851	VCV yy	0.0002783518	
		VCV yz -0.0002130333	VCV zz	0.0002211954	
PT DGN	SO	Name	21946	To the Point	
GRID D	SO	Delta N	-0.008	Delta E	0.081
		Delta Elv	-0.001		
GPSVEC	SO	Point ID 3021947	DX 1905.215	DY	-3088.210
		Class Stake out	DZ -2701.780	Code	21947
		Obs L1 Fixed	H.pr 0.023	V.pr	0.062
GPSQC1	NM	Min SVs 10	PDOP max	2.7	
		Relative DOPs Yes	HDOP max	0.9	
		Total GPS pos 7	VDOP max	2.5	
		Monitor status Not monitored	RMS	11.0	
		Horz SD	Vert SD		
		Start wk 1578 sec 158905.4	End wk 1578	sec 158910.8	
GPSQC2	NM	Ttl satellites 10	Err Scale	0.0077459668	
		VCV xx 0.0001777185	VCV xy	0.0001977247	
		VCV xz -0.0001621694	VCV yy	0.0002736079	
		VCV yz -0.0002112577	VCV zz	0.0002212609	
PT DGN	SO	Name	21947	To the Point	
GRID D	SO	Delta N	0.157	Delta E	0.072
		Delta Elv	0.068		
GPSVEC	SO	Point ID 3020165	DX 1904.215	DY	-3090.288
		Class Stake out	DZ -2703.194	Code	20165
		Obs L1 Fixed	H.pr 0.023	V.pr	0.062
GPSQC1	NM	Min SVs 10	PDOP max	2.7	
		Relative DOPs Yes	HDOP max	0.9	
		Total GPS pos 7	VDOP max	2.5	
		Monitor status Not monitored	RMS	11.1	
		Horz SD	Vert SD		
		Start wk 1578 sec 158942.8	End wk 1578	sec 158948.6	
GPSQC2	NM	Ttl satellites 10	Err Scale	0.0077459668	
		VCV xx 0.0001767013	VCV xy	0.0001970263	
		VCV xz -0.0001622933	VCV yy	0.0002739984	
		VCV yz -0.0002126456	VCV zz	0.0002239354	
PT DGN	SO	Name	20165	To the Point	
GRID D	SO	Delta N	0.008	Delta E	0.008
		Delta Elv	0.019		
GPSVEC	SO	Point ID 3021948	DX 1868.424	DY	-3069.387
		Class Stake out	DZ -2700.006	Code	21948
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs 11	PDOP max	2.6	
		Relative DOPs Yes	HDOP max	1.0	
		Total GPS pos 6	VDOP max	2.4	
		Monitor status Not monitored	RMS	14.9	
		Horz SD	Vert SD		
		Start wk 1578 sec 159020.2	End wk 1578	sec 159025.2	

GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668
		VCV xx 0.0001686482	VCV xy 0.0001871069
		VCV xz -0.0001547438	VCV yy 0.0002602507
		VCV yz -0.0002022265	VCV zz 0.0002154356
PT DGN	SO	Name 21948	To the Point
GRID D	SO	Delta N 0.128	Delta E -0.032
		Delta Elv 0.024	
GPSVEC	SO	Point ID 3021949 DX 1867.787 DY -3068.837	
		Class Stake out DZ -2699.890 Code 21949	
		Obs L1 Fixed H.pr 0.022 V.pr 0.060	
GPSQC1	NM	Min SVs 11 PDOP max 2.6	
		Relative DOPs Yes HDOP max 1.0	
		Total GPS pos 6 VDOP max 2.4	
		Monitor status Not monitored RMS 14.3	
		Horz SD Vert SD	
		Start wk 1578 sec 159083.8 End wk 1578 sec 159088.8	
GPSQC2	NM	Ttl satellites 11 Err Scale 0.0077459668	
		VCV xx 0.0001609551 VCV xy 0.0001792824	
		VCV xz -0.000149949 VCV yy 0.0002517688	
		VCV yz -0.0001987735 VCV zz 0.0002150482	
PT DGN	SO	Name 21949	To the Point
GRID D	SO	Delta N 0.005	Delta E -0.003
		Delta Elv 0.116	
GPSVEC	SO	Point ID 3020167 DX 1866.376 DY -3070.955	
		Class Stake out DZ -2701.394 Code 20167	
		Obs L1 Fixed H.pr 0.022 V.pr 0.059	
GPSQC1	NM	Min SVs 11 PDOP max 2.5	
		Relative DOPs Yes HDOP max 1.0	
		Total GPS pos 7 VDOP max 2.4	
		Monitor status Not monitored RMS 12.6	
		Horz SD Vert SD	
		Start wk 1578 sec 159129.8 End wk 1578 sec 159135.6	
GPSQC2	NM	Ttl satellites 11 Err Scale 0.0077459668	
		VCV xx 0.0001572677 VCV xy 0.0001756932	
		VCV xz -0.0001477516 VCV yy 0.0002484436	
		VCV yz -0.0001975613 VCV zz 0.0002155115	
PT DGN	SO	Name 20167	To the Point
GRID D	SO	Delta N 0.066	Delta E 0.068
		Delta Elv -0.051	
GPSVEC	SO	Point ID 3021950 DX 1837.618 DY -3053.373	
		Class Stake out DZ -2698.213 Code 21950	
		Obs L1 Fixed H.pr 0.022 V.pr 0.059	
GPSQC1	NM	Min SVs 11 PDOP max 2.5	
		Relative DOPs Yes HDOP max 1.0	
		Total GPS pos 6 VDOP max 2.3	
		Monitor status Not monitored RMS 16.2	
		Horz SD Vert SD	
		Start wk 1578 sec 159196.0 End wk 1578 sec 159201.0	
GPSQC2	NM	Ttl satellites 11 Err Scale 0.0077459668	
		VCV xx 0.0001534948 VCV xy 0.0001721632	
		VCV xz -0.0001457608 VCV yy 0.0002461411	
		VCV yz -0.0001974538 VCV zz 0.0002177314	
PT DGN	SO	Name 21950	To the Point
GRID D	SO	Delta N 0.035	Delta E -0.050
		Delta Elv 0.003	
GPSVEC	SO	Point ID 3020169 DX 1836.554 DY -3055.513	
		Class Stake out DZ -2699.679 Code 20169	
		Obs L1 Fixed H.pr 0.022 V.pr 0.058	
GPSQC1	NM	Min SVs 11 PDOP max 2.5	
		Relative DOPs Yes HDOP max 1.0	
		Total GPS pos 6 VDOP max 2.3	
		Monitor status Not monitored RMS 12.8	
		Horz SD Vert SD	
		Start wk 1578 sec 159267.4 End wk 1578 sec 159272.4	
GPSQC2	NM	Ttl satellites 11 Err Scale 0.0077459668	
		VCV xx 0.0001465091 VCV xy 0.0001648506	
		VCV xz -0.0001404979 VCV yy 0.0002382982	
		VCV yz -0.0001928016 VCV zz 0.0002152294	
PT DGN	SO	Name 20169	To the Point
GRID D	SO	Delta N -0.023	Delta E -0.086
		Delta Elv -0.082	
GPSVEC	SO	Point ID 3021951 DX 1827.307 DY -3048.045	
		Class Stake out DZ -2697.738 Code 21951	
		Obs L1 Fixed H.pr 0.022 V.pr 0.057	

GPSQC1	NM	Min SVs	11	PDOP max	2.5
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	7	VDOP max	2.3
		Monitor status	Not monitored	RMS	16.1
		Horz SD		Vert SD	
		Start wk 1578	sec 159319.0	End wk 1578	sec 159324.8
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0001402702	VCV xy	0.0001581412
		VCV xz	-0.0001353761	VCV yy	0.0002303904
		VCV yz	-0.0001874824	VCV zz	0.0002112567
PT DGN	SO	Name	21951	To the Point	
GRID D	SO	Delta N	0.092	Delta E	0.152
		Delta Elv	0.056		
NOTE	TS	Time Date	04/05/2010	Time	13:16:14
GPSVEC	SO	Point ID 3020171	DX 1825.970	DY	-3050.017
		Class Stake out	DZ -2699.141	Code	20171
		Obs L1 Fixed	H.pr 0.022	V.pr	0.057
GPSQC1	NM	Min SVs	11	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.3
		Monitor status	Not monitored	RMS	14.9
		Horz SD		Vert SD	
		Start wk 1578	sec 159382.2	End wk 1578	sec 159387.2
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0001348955	VCV xy	0.0001522936
		VCV xz	-0.0001309434	VCV yy	0.000223685
		VCV yz	-0.0001835964	VCV zz	0.0002096226
PT DGN	SO	Name	20171	To the Point	
GRID D	SO	Delta N	-0.014	Delta E	0.033
		Delta Elv	-0.039		
GPSVEC	SO	Point ID 3021952	DX 1803.020	DY	-3030.404
		Class Stake out	DZ -2690.004	Code	21952
		Obs L1 Fixed	H.pr 0.022	V.pr	0.056
GPSQC1	NM	Min SVs	11	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.2
		Monitor status	Not monitored	RMS	16.7
		Horz SD		Vert SD	
		Start wk 1578	sec 159446.4	End wk 1578	sec 159451.4
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0001295793	VCV xy	0.0001467768
		VCV xz	-0.0001267974	VCV yy	0.0002186145
		VCV yz	-0.0001804617	VCV zz	0.0002081801
PT DGN	SO	Name	21952	To the Point	
GRID D	SO	Delta N	0.007	Delta E	0.107
		Delta Elv	-0.006		
GPSVEC	SO	Point ID 3020173	DX 1801.421	DY	-3032.170
		Class Stake out	DZ -2691.445	Code	20173
		Obs L1 Fixed	H.pr 0.021	V.pr	0.055
GPSQC1	NM	Min SVs	11	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	2.2
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk 1578	sec 159503.8	End wk 1578	sec 159508.8
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0001239853	VCV xy	0.0001406062
		VCV xz	-0.0001219685	VCV yy	0.0002112492
		VCV yz	-0.0001753902	VCV zz	0.0002046913
PT DGN	SO	Name	20173	To the Point	
GRID D	SO	Delta N	-0.014	Delta E	0.007
		Delta Elv	-0.019		
GPSVEC	SO	Point ID 3021953	DX 1773.398	DY	-3008.851
		Class Stake out	DZ -2680.705	Code	21953
		Obs L1 Fixed	H.pr 0.021	V.pr	0.054
GPSQC1	NM	Min SVs	11	PDOP max	2.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	2.2
		Monitor status	Not monitored	RMS	14.3
		Horz SD		Vert SD	
		Start wk 1578	sec 159583.2	End wk 1578	sec 159588.8
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0001161545	VCV xy	0.000132193
		VCV xz	-0.0001152538	VCV yy	0.0002020111
		VCV yz	-0.0001689865	VCV zz	0.0001999279
PT DGN	SO	Name	21953	To the Point	
GRID D	SO	Delta N	0.006	Delta E	0.026
		Delta Elv	0.025		

GPSVEC	SO	Point ID 3020175	DX 1771.557	DY -3010.498
		Class Stake out	DZ -2682.210	Code 20175
		Obs L1 Fixed	H.pr 0.021	V.pr 0.053
GPSQC1	NM	Min SVs 11	PDOP max 2.3	
		Relative DOPs Yes	HDOP max 0.9	
		Total GPS pos 6	VDOP max 2.1	
		Monitor status Not monitored	RMS 12.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 159632.6	End wk 1578 sec 159637.6	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668	
		VCV xx 0.0001122316	VCV xy 0.000127926	
		VCV xz -0.000111856	VCV yy 0.0001974735	
		VCV yz -0.0001659714	VCV zz 0.0001981837	
PT DGN	SO	Name 20175	To the Point	
GRID D	SO	Delta N 0.109	Delta E -0.037	
		Delta Elv 0.054		
GPSVEC	SO	Point ID 3021954	DX 1733.181	DY -2979.725
		Class Stake out	DZ -2668.214	Code 21954
		Obs L1 Fixed	H.pr 0.024	V.pr 0.044
GPSQC1	NM	Min SVs 12	PDOP max 1.7	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 6	VDOP max 1.5	
		Monitor status Not monitored	RMS 15.4	
		Horz SD	Vert SD	
		Start wk 1578 sec 159710.6	End wk 1578 sec 159715.6	
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0090457378	
		VCV xx 0.0000803754	VCV xy 0.0000896669	
		VCV xz -0.0000762895	VCV yy 0.0001513024	
		VCV yz -0.0001239096	VCV zz 0.0001595458	
PT DGN	SO	Name 21954	To the Point	
GRID D	SO	Delta N 0.130	Delta E 0.030	
		Delta Elv 0.046		
GPSVEC	SO	Point ID 3020177	DX 1731.706	DY -2981.572
		Class Stake out	DZ -2669.672	Code 20177
		Obs L1 Fixed	H.pr 0.024	V.pr 0.044
GPSQC1	NM	Min SVs 12	PDOP max 1.7	
		Relative DOPs Yes	HDOP max 0.8	
		Total GPS pos 6	VDOP max 1.5	
		Monitor status Not monitored	RMS 15.2	
		Horz SD	Vert SD	
		Start wk 1578 sec 159761.0	End wk 1578 sec 159766.0	
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0089845452	
		VCV xx 0.0000779168	VCV xy 0.0000869522	
		VCV xz -0.0000741116	VCV yy 0.0001484019	
		VCV yz -0.0001221503	VCV zz 0.0001588784	
PT DGN	SO	Name 20177	To the Point	
GRID D	SO	Delta N 0.049	Delta E 0.055	
		Delta Elv 0.029		
NOTE	TS	Time Date 04/05/2010 Time 14:08:01		
GPSVEC	SO	Point ID 3021955	DX 1685.929	DY -2954.294
		Class Stake out	DZ -2664.278	Code 21955
		Obs L1 Fixed	H.pr 0.022	V.pr 0.027
GPSQC1	NM	Min SVs 11	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 0.9	
		Total GPS pos 6	VDOP max 1.1	
		Monitor status Not monitored	RMS 12.1	
		Horz SD	Vert SD	
		Start wk 1578 sec 162489.0	End wk 1578 sec 162494.0	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668	
		VCV xx 0.0000270912	VCV xy 0.0000218066	
		VCV xz -0.0000061803	VCV yy 0.0000543255	
		VCV yz -0.0000344088	VCV zz 0.0001013188	
PT DGN	SO	Name 21955	To the Point	
GRID D	SO	Delta N -0.065	Delta E -0.036	
		Delta Elv -0.025		
GPSVEC	SO	Point ID 3020179	DX 1684.942	DY -2956.512
		Class Stake out	DZ -2665.920	Code 20179
		Obs L1 Fixed	H.pr 0.021	V.pr 0.025
GPSQC1	NM	Min SVs 11	PDOP max 1.3	
		Relative DOPs Yes	HDOP max 0.9	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 12.6	
		Horz SD	Vert SD	
		Start wk 1578 sec 162544.6	End wk 1578 sec 162550.4	
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668	
		VCV xx 0.0000266388	VCV xy 0.0000207237	
		VCV xz -0.0000039828	VCV yy 0.0000493472	
		VCV yz -0.0000301026	VCV zz 0.0000907954	



PT DGN	SO	Name	20179	To the Point	
GRID D	SO	Delta N	0.025	Delta E	0.001
		Delta Elv	-0.038		
GPSVEC	SO	Point ID 3021956	DX 1649.840	DY -2935.153	
		Class Stake out	DZ -2661.625	Code 21956	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.026	
GPSQC1	NM	Min SVs 11	PDOP max 1.4		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 14.6		
		Horz SD	Vert SD		
		Start wk 1578 sec 162613.4	End wk 1578 sec 162618.4		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.0000270086	VCV xy 0.0000212889		
		VCV xz -0.0000048421	VCV yy 0.0000516154		
		VCV yz -0.0000305216	VCV zz 0.0000948781		
PT DGN	SO	Name	21956	To the Point	
GRID D	SO	Delta N	0.012	Delta E	-0.166
		Delta Elv	-0.063		
GPSVEC	SO	Point ID 3020181	DX 1648.567	DY -2937.055	
		Class Stake out	DZ -2663.237	Code 20181	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.026	
GPSQC1	NM	Min SVs 11	PDOP max 1.4		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.1		
		Monitor status Not monitored	RMS 10.4		
		Horz SD	Vert SD		
		Start wk 1578 sec 162647.0	End wk 1578 sec 162652.0		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.0000270423	VCV xy 0.0000214745		
		VCV xz -0.0000050272	VCV yy 0.0000525721		
		VCV yz -0.0000303752	VCV zz 0.0000951436		
PT DGN	SO	Name	20181	To the Point	
GRID D	SO	Delta N	0.005	Delta E	-0.001
		Delta Elv	0.040		
GPSVEC	SO	Point ID 3021957	DX 1604.822	DY -2911.222	
		Class Stake out	DZ -2658.294	Code 21957	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs 12	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.8		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 11.9		
		Horz SD	Vert SD		
		Start wk 1578 sec 162705.4	End wk 1578 sec 162710.4		
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0077459668		
		VCV xx 0.0000272742	VCV xy 0.0000222034		
		VCV xz -0.0000055332	VCV yy 0.0000509817		
		VCV yz -0.0000239323	VCV zz 0.0000814038		
PT DGN	SO	Name	21957	To the Point	
GRID D	SO	Delta N	0.035	Delta E	0.053
		Delta Elv	-0.081		
GPSVEC	SO	Point ID 3020183	DX 1603.465	DY -2913.132	
		Class Stake out	DZ -2659.856	Code 20183	
		Obs L1 Fixed	H.pr 0.020	V.pr 0.024	
GPSQC1	NM	Min SVs 12	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.8		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 12.6		
		Horz SD	Vert SD		
		Start wk 1578 sec 162760.8	End wk 1578 sec 162765.8		
GPSQC2	NM	Ttl satellites 12	Err Scale 0.0077459668		
		VCV xx 0.000027103	VCV xy 0.0000225133		
		VCV xz -0.0000071565	VCV yy 0.0000487012		
		VCV yz -0.0000212657	VCV zz 0.0000759373		
PT DGN	SO	Name	20183	To the Point	
GRID D	SO	Delta N	0.036	Delta E	-0.019
		Delta Elv	-0.042		
GPSVEC	SO	Point ID 3020185	DX 1560.580	DY -2890.309	
		Class Stake out	DZ -2656.615	Code 20185	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.025	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 12.2		
		Horz SD	Vert SD		
		Start wk 1578 sec 162825.6	End wk 1578 sec 162830.6		

GPSQC2	NM	Ttl satellites 11		Err Scale 0.0077459668
		VCV xx 0.0000275818		VCV xy 0.0000223914
		VCV xz -0.0000058328		VCV yy 0.0000518583
		VCV yz -0.0000245011		VCV zz 0.0000856897
PT DGN	SO	Name 20185		To the Point
GRID D	SO	Delta N 0.004		Delta E 0.009
		Delta Elv -0.081		
GPSVEC	SO	Point ID 3021958	DX 1562.232	DY -2888.426
		Class Stake out	DZ -2655.080	Code 21958
		Obs L1 Fixed	H.pr 0.021	V.pr 0.025
GPSQC1	NM	Min SVs 11		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.9
		Total GPS pos 7		VDOP max 1.0
		Monitor status Not monitored		RMS 13.2
		Horz SD		Vert SD
		Start wk 1578 sec 162871.2		End wk 1578 sec 162877.0
GPSQC2	NM	Ttl satellites 11		Err Scale 0.0077459668
		VCV xx 0.0000275417		VCV xy 0.0000223283
		VCV xz -0.0000053581		VCV yy 0.0000532671
		VCV yz -0.0000254048		VCV zz 0.0000880397
PT DGN	SO	Name 21958		To the Point
GRID D	SO	Delta N -0.049		Delta E -0.040
		Delta Elv -0.023		
GPSVEC	SO	Point ID 3021959	DX 1543.822	DY -2873.416
		Class Stake out	DZ -2647.181	Code 21959
		Obs L1 Fixed	H.pr 0.022	V.pr 0.025
GPSQC1	NM	Min SVs 10		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.9
		Total GPS pos 7		VDOP max 1.0
		Monitor status Not monitored		RMS 8.8
		Horz SD		Vert SD
		Start wk 1578 sec 162931.0		End wk 1578 sec 162936.8
GPSQC2	NM	Ttl satellites 10		Err Scale 0.0077459668
		VCV xx 0.0000278519		VCV xy 0.0000224961
		VCV xz -0.0000049306		VCV yy 0.00005487
		VCV yz -0.000025912		VCV zz 0.0000898908
PT DGN	SO	Name 21959		To the Point
GRID D	SO	Delta N 0.025		Delta E -0.006
		Delta Elv -0.054		
GPSVEC	SO	Point ID 3020187	DX 1541.471	DY -2874.642
		Class Stake out	DZ -2648.341	Code 20187
		Obs L1 Fixed	H.pr 0.022	V.pr 0.025
GPSQC1	NM	Min SVs 10		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.9
		Total GPS pos 6		VDOP max 1.0
		Monitor status Not monitored		RMS 11.3
		Horz SD		Vert SD
		Start wk 1578 sec 162985.4		End wk 1578 sec 162990.4
GPSQC2	NM	Ttl satellites 10		Err Scale 0.0077459668
		VCV xx 0.0000281839		VCV xy 0.0000227598
		VCV xz -0.0000047393		VCV yy 0.0000559273
		VCV yz -0.0000257138		VCV zz 0.0000902813
PT DGN	SO	Name 20187		To the Point
GRID D	SO	Delta N -0.033		Delta E 0.094
		Delta Elv -0.091		
GPSVEC	SO	Point ID 3021960	DX 1522.787	DY -2842.741
		Class Stake out	DZ -2621.545	Code 21960
		Obs L1 Fixed	H.pr 0.022	V.pr 0.025
GPSQC1	NM	Min SVs 10		PDOP max 1.4
		Relative DOPs Yes		HDOP max 0.9
		Total GPS pos 7		VDOP max 1.0
		Monitor status Not monitored		RMS 12.5
		Horz SD		Vert SD
		Start wk 1578 sec 163145.0		End wk 1578 sec 163150.8
GPSQC2	NM	Ttl satellites 10		Err Scale 0.0077459668
		VCV xx 0.0000284497		VCV xy 0.0000231988
		VCV xz -0.000004098		VCV yy 0.0000568451
		VCV yz -0.0000226676		VCV zz 0.0000849726
PT DGN	SO	Name 21960		To the Point
GRID D	SO	Delta N 0.023		Delta E 0.085
		Delta Elv -0.032		
GPSVEC	SO	Point ID 3020189	DX 1520.199	DY -2843.490
		Class Stake out	DZ -2622.360	Code 20189
		Obs L1 Fixed	H.pr 0.022	V.pr 0.025

GPSQC1	NM	Min SVs	10	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.1
		Horz SD		Vert SD	
		Start wk 1578	sec 163205.0	End wk 1578	sec 163210.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0000287115	VCV xy	0.0000236203
		VCV xz	-0.0000043626	VCV yy	0.0000577977
		VCV yz	-0.0000221032	VCV zz	0.0000845969
PT DGN	SO	Name	20189	To the Point	
GRID D	SO	Delta N	0.127	Delta E	-0.038
		Delta Elv	-0.005		
GPSVEC	SO	Point ID 3021961	DX 1501.329	DY	-2811.150
		Class Stake out	DZ -2595.078	Code	21961
		Obs L1 Fixed	H.pr 0.026	V.pr	0.039
GPSQC1	NM	Min SVs	11	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	17.3
		Horz SD		Vert SD	
		Start wk 1578	sec 163280.6	End wk 1578	sec 163285.6
GPSQC2	NM	Ttl satellites	11	Err Scale	0.009268011
		VCV xx	0.0000443288	VCV xy	0.0000376464
		VCV xz	-0.0000087069	VCV yy	0.000084735
		VCV yz	-0.0000225367	VCV zz	0.0001093298
PT DGN	SO	Name	21961	To the Point	
GRID D	SO	Delta N	0.023	Delta E	-0.048
		Delta Elv	0.022		
GPSVEC	SO	Point ID 3020191	DX 1498.806	DY	-2812.117
		Class Stake out	DZ -2595.906	Code	20191
		Obs L1 Fixed	H.pr 0.032	V.pr	0.045
GPSQC1	NM	Min SVs	10	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	16.5
		Horz SD		Vert SD	
		Start wk 1578	sec 163372.0	End wk 1578	sec 163377.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0100281639
		VCV xx	0.0000540379	VCV xy	0.0000466675
		VCV xz	-0.0000101062	VCV yy	0.0001045736
		VCV yz	-0.0000252697	VCV zz	0.0001286245
PT DGN	SO	Name	20191	To the Point	
GRID D	SO	Delta N	0.003	Delta E	-0.084
		Delta Elv	-0.079		
GPSVEC	SO	Point ID 3021962	DX 1484.297	DY	-2785.915
		Class Stake out	DZ -2573.629	Code	21962
		Obs L1 Fixed	H.pr 0.037	V.pr	0.040
GPSQC1	NM	Min SVs	9	PDOP max	1.8
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	17.7
		Horz SD		Vert SD	
		Start wk 1578	sec 163453.0	End wk 1578	sec 163458.0
GPSQC2	NM	Ttl satellites	9	Err Scale	0.0096916892
		VCV xx	0.0000526394	VCV xy	0.0000454907
		VCV xz	-0.0000093787	VCV yy	0.0001059751
		VCV yz	-0.0000293882	VCV zz	0.0001348617
PT DGN	SO	Name	21962	To the Point	
GRID D	SO	Delta N	0.045	Delta E	-0.011
		Delta Elv	-0.082		
GPSVEC	SO	Point ID 3020193	DX 1481.795	DY	-2786.712
		Class Stake out	DZ -2574.506	Code	20193
		Obs L1 Fixed	H.pr 0.039	V.pr	0.044
GPSQC1	NM	Min SVs	9	PDOP max	1.9
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	16.1
		Horz SD		Vert SD	
		Start wk 1578	sec 163544.8	End wk 1578	sec 163549.8
GPSQC2	NM	Ttl satellites	9	Err Scale	0.0099999998
		VCV xx	0.0000568887	VCV xy	0.0000494845
		VCV xz	-0.0000101479	VCV yy	0.0001175626
		VCV yz	-0.0000325248	VCV zz	0.0001473158
PT DGN	SO	Name	20193	To the Point	
GRID D	SO	Delta N	-0.086	Delta E	0.060
		Delta Elv	-0.020		

GPSVEC	SO	Point ID 3021963	DX 1478.502	DY -2777.289
		Class Stake out	DZ -2566.388	Code 21963
		Obs L1 Fixed	H.pr 0.037	V.pr 0.041
GPSQC1	NM	Min SVs 9	PDOP max 1.8	
		Relative DOPs Yes	HDOP max 1.2	
		Total GPS pos 6	VDOP max 1.4	
		Monitor status Not monitored	RMS 18.6	
		Horz SD	Vert SD	
		Start wk 1578 sec 163626.6	End wk 1578 sec 163631.6	
GPSQC2	NM	Ttl satellites 9	Err Scale 0.0096458718	
		VCV xx 0.0000536465	VCV xy 0.0000471028	
		VCV xz -0.000009917	VCV yy 0.0001124571	
		VCV yz -0.0000292974	VCV zz 0.0001365003	
PT DGN	SO	Name 21963	To the Point	
GRID D	SO	Delta N 0.012	Delta E 0.082	
		Delta Elv -0.054		
GPSVEC	SO	Point ID 2300597	DX 1475.668	DY -2777.763
		Class Stake out	DZ -2566.832	Code 20597
		Obs L1 Fixed	H.pr 0.029	V.pr 0.032
GPSQC1	NM	Min SVs 9	PDOP max 1.6	
		Relative DOPs Yes	HDOP max 1.1	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 14.9	
		Horz SD	Vert SD	
		Start wk 1578 sec 163749.8	End wk 1578 sec 163754.8	
GPSQC2	NM	Ttl satellites 9	Err Scale 0.0085600587	
		VCV xx 0.0000431356	VCV xy 0.0000384525	
		VCV xz -0.0000085029	VCV yy 0.000092239	
		VCV yz -0.0000215351	VCV zz 0.0001062182	
PT DGN	SO	Name 20597	To the Point	
GRID D	SO	Delta N 0.032	Delta E 0.010	
		Delta Elv -0.126		
GPSVEC	SO	Point ID 3021964	DX 1481.874	DY -2744.879
		Class Stake out	DZ -2524.545	Code 21964
		Obs L1 Fixed	H.pr 0.030	V.pr 0.032
GPSQC1	NM	Min SVs 9	PDOP max 1.6	
		Relative DOPs Yes	HDOP max 1.1	
		Total GPS pos 6	VDOP max 1.2	
		Monitor status Not monitored	RMS 15.7	
		Horz SD	Vert SD	
		Start wk 1578 sec 163823.2	End wk 1578 sec 163828.2	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0087842094	
		VCV xx 0.0000451416	VCV xy 0.0000413676	
		VCV xz -0.0000089851	VCV yy 0.0000932192	
		VCV yz -0.000012136	VCV zz 0.0000927657	
PT DGN	SO	Name 21964	To the Point	
GRID D	SO	Delta N -0.009	Delta E 0.125	
		Delta Elv 0.006		
GPSVEC	SO	Point ID 3020600	DX 1479.178	DY -2744.788
		Class Stake out	DZ -2524.182	Code 20600
		Obs L1 Fixed	H.pr 0.033	V.pr 0.035
GPSQC1	NM	Min SVs 9	PDOP max 1.7	
		Relative DOPs Yes	HDOP max 1.2	
		Total GPS pos 7	VDOP max 1.2	
		Monitor status Not monitored	RMS 14.2	
		Horz SD	Vert SD	
		Start wk 1578 sec 163863.0	End wk 1578 sec 163868.6	
GPSQC2	NM	Ttl satellites 9	Err Scale 0.0091682216	
		VCV xx 0.0000460761	VCV xy 0.0000403734	
		VCV xz -0.000013556	VCV yy 0.0000959124	
		VCV yz -0.00001308	VCV zz 0.0001124751	
PT DGN	SO	Name 20600	To the Point	
GRID D	SO	Delta N -0.053	Delta E -0.021	
		Delta Elv -0.083		
GPSVEC	SO	Point ID 3021965	DX 1485.710	DY -2708.069
		Class Stake out	DZ -2476.831	Code 21965
		Obs L1 Fixed	H.pr 0.023	V.pr 0.026
GPSQC1	NM	Min SVs 10	PDOP max 1.4	
		Relative DOPs Yes	HDOP max 1.0	
		Total GPS pos 6	VDOP max 1.0	
		Monitor status Not monitored	RMS 12.5	
		Horz SD	Vert SD	
		Start wk 1578 sec 163935.6	End wk 1578 sec 163940.8	
GPSQC2	NM	Ttl satellites 10	Err Scale 0.0077459668	
		VCV xx 0.0000358384	VCV xy 0.0000315474	
		VCV xz -0.0000140164	VCV yy 0.0000717085	
		VCV yz -0.0000116439	VCV zz 0.0000790601	
PT DGN	SO	Name 21965	To the Point	

GRID D	SO	Delta N	-0.066	Delta E	0.144
		Delta Elv	-0.039		
GPSVEC	SO	Point ID 3020603	DX 1483.139	DY -2707.826	
		Class Stake out	DZ -2476.536	Code 20603	
		Obs L1 Fixed	H.pr 0.023	V.pr 0.026	
GPSQC1	NM	Min SVs	10	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	14.3
		Horz SD		Vert SD	
		Start wk 1578 sec 163989.0		End wk 1578 sec 163994.0	
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0000360345	VCV xy	0.0000319934
		VCV xz	-0.0000144248	VCV yy	0.0000718918
		VCV yz	-0.0000112552	VCV zz	0.000077283
PT DGN	SO	Name	20603	To the Point	
GRID D	SO	Delta N	0.099	Delta E	-0.107
		Delta Elv	0.065		
GPSVEC	SO	Point ID 3021966	DX 1490.046	DY -2667.394	
		Class Stake out	DZ -2424.145	Code 21966	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	1.0
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1578 sec 164075.4		End wk 1578 sec 164081.2	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0000336607	VCV xy	0.0000308868
		VCV xz	-0.0000097206	VCV yy	0.000070506
		VCV yz	-0.0000102356	VCV zz	0.0000542791
PT DGN	SO	Name	21966	To the Point	
GRID D	SO	Delta N	-0.010	Delta E	0.052
		Delta Elv	-0.037		
GPSVEC	SO	Point ID 3020606	DX 1487.264	DY -2667.355	
		Class Stake out	DZ -2423.991	Code 20606	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	7	VDOP max	1.0
		Monitor status	Not monitored	RMS	10.1
		Horz SD		Vert SD	
		Start wk 1578 sec 164122.2		End wk 1578 sec 164128.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0000344107	VCV xy	0.0000318502
		VCV xz	-0.0000102061	VCV yy	0.0000719471
		VCV yz	-0.000010455	VCV zz	0.0000537356
PT DGN	SO	Name	20606	To the Point	
GRID D	SO	Delta N	0.063	Delta E	-0.018
		Delta Elv	-0.067		
GPSVEC	SO	Point ID 3021967	DX 1494.260	DY -2629.262	
		Class Stake out	DZ -2374.558	Code 21967	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.6
		Horz SD		Vert SD	
		Start wk 1578 sec 164202.6		End wk 1578 sec 164207.6	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.000034843	VCV xy	0.0000326522
		VCV xz	-0.0000103785	VCV yy	0.0000735314
		VCV yz	-0.0000104024	VCV zz	0.0000517807
PT DGN	SO	Name	21967	To the Point	
GRID D	SO	Delta N	0.067	Delta E	0.041
		Delta Elv	-0.074		
GPSVEC	SO	Point ID 3020609	DX 1491.467	DY -2629.077	
		Class Stake out	DZ -2374.304	Code 20609	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1578 sec 164242.0		End wk 1578 sec 164247.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0000350437	VCV xy	0.0000330339
		VCV xz	-0.0000103614	VCV yy	0.0000745946
		VCV yz	-0.0000098575	VCV zz	0.0000523001

PT DGN	SO	Name	20609	To the Point	
GRID D	SO	Delta N	-0.113	Delta E	0.063
		Delta Elv	-0.057		
NOTE	TS	Time Date	04/05/2010	Time	14:38:36
GPSVEC	SO	Point ID 3021968	DX 1497.218	DY -2602.500	
		Class Stake out	DZ -2339.813	Code 21968	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 13.7		
		Horz SD	Vert SD		
		Start wk 1578 sec 164324.4	End wk 1578 sec 164329.4		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.0000353423	VCV xy 0.0000336964		
		VCV xz -0.0000103644	VCV yy 0.0000762573		
		VCV yz -0.000009837	VCV zz 0.0000501204		
PT DGN	SO	Name	21968	To the Point	
GRID D	SO	Delta N	-0.078	Delta E	0.114
		Delta Elv	-0.077		
GPSVEC	SO	Point ID 3021524	DX 1494.429	DY -2602.403	
		Class Stake out	DZ -2339.723	Code 21524	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 7	VDOP max 1.0		
		Monitor status Not monitored	RMS 14.4		
		Horz SD	Vert SD		
		Start wk 1578 sec 164373.4	End wk 1578 sec 164379.0		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.0000355052	VCV xy 0.0000340705		
		VCV xz -0.000010373	VCV yy 0.0000772126		
		VCV yz -0.0000098575	VCV zz 0.0000489096		
PT DGN	SO	Name	21524	To the Point	
GRID D	SO	Delta N	0.021	Delta E	0.074
		Delta Elv	-0.031		
GPSVEC	SO	Point ID 3021969	DX 1498.850	DY -2588.703	
		Class Stake out	DZ -2321.822	Code 21969	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.025	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 10.2		
		Horz SD	Vert SD		
		Start wk 1578 sec 164436.8	End wk 1578 sec 164441.8		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.000036035	VCV xy 0.0000348523		
		VCV xz -0.0000105025	VCV yy 0.0000791311		
		VCV yz -0.0000100114	VCV zz 0.0000478729		
PT DGN	SO	Name	21969	To the Point	
GRID D	SO	Delta N	0.036	Delta E	-0.001
		Delta Elv	-0.070		
GPSVEC	SO	Point ID 3021522	DX 1495.983	DY -2588.282	
		Class Stake out	DZ -2321.390	Code 21522	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 12.5		
		Horz SD	Vert SD		
		Start wk 1578 sec 164480.4	End wk 1578 sec 164485.4		
GPSQC2	NM	Ttl satellites 11	Err Scale 0.0077459668		
		VCV xx 0.0000342258	VCV xy 0.0000326912		
		VCV xz -0.0000099762	VCV yy 0.0000770912		
		VCV yz -0.0000093741	VCV zz 0.0000470062		
PT DGN	SO	Name	21522	To the Point	
GRID D	SO	Delta N	-0.043	Delta E	0.117
		Delta Elv	-0.009		
GPSVEC	SO	Point ID 3021970	DX 1500.939	DY -2579.642	
		Class Stake out	DZ -2309.378	Code 21970	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.024	
GPSQC1	NM	Min SVs 11	PDOP max 1.3		
		Relative DOPs Yes	HDOP max 0.9		
		Total GPS pos 6	VDOP max 1.0		
		Monitor status Not monitored	RMS 13.6		
		Horz SD	Vert SD		
		Start wk 1578 sec 164537.8	End wk 1578 sec 164542.8		

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668  
VCV xx 0.0000354112 VCV xy 0.000034348  
VCV xz -0.0000103058 VCV yy 0.0000797028  
VCV yz -0.0000098432 VCV zz 0.0000458646

PT DGN SO Name 21970 To the Point

GRID D SO Delta N 0.002 Delta E 0.047  
Delta Elv -0.093

GPSVEC SO Point ID 3021519 DX 1498.154 DY -2579.316  
Class Stake out DZ -2309.029 Code 21519  
Obs L1 Fixed H.pr 0.021 V.pr 0.025

GPSQC1 NM Min SVs 11 PDOP max 1.3  
Relative DOPs Yes HDOP max 0.9  
Total GPS pos 7 VDOP max 1.0  
Monitor status Not monitored RMS 10.2  
Horz SD Vert SD  
Start wk 1578 sec 164576.8 End wk 1578 sec 164582.6

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668  
VCV xx 0.0000358581 VCV xy 0.0000351167  
VCV xz -0.0000104353 VCV yy 0.0000807365  
VCV yz -0.0000100765 VCV zz 0.0000447689

PT DGN SO Name 21519 To the Point

GRID D SO Delta N 0.109 Delta E 0.054  
Delta Elv -0.025

GPSVEC SO Point ID 106 DX 1975.957 DY -3241.881  
Class Stake out DZ -2848.443 Code POSTCHK.CP-106.4  
Obs L1 Fixed H.pr 0.024 V.pr 0.031

F-CODE SO Code POSTCHK.CP-106.4-5-10.MV

GPSQC1 NM Min SVs 9 PDOP max 1.6  
Relative DOPs Yes HDOP max 1.0  
Total GPS pos 6 VDOP max 1.3  
Monitor status Not monitored RMS 13.7  
Horz SD Vert SD  
Start wk 1578 sec 165075.0 End wk 1578 sec 165080.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0077459668  
VCV xx 0.000057975 VCV xy 0.0000618959  
VCV xz -0.0000176116 VCV yy 0.0001302675  
VCV yz -0.000018768 VCV zz 0.0000497367

PT DGN SO Name 106 To the Point

GRID D SO Delta N -0.053 Delta E 0.030  
Delta Elv -0.005

SURVEY EVENTKISurvey event Survey ended