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SC V10-70      Copyright © Trimble Navigation Ltd, 1996-2003
              Serial no 2231      02-Apr-10 18:52
              Angle Degrees      Dist US Feet      Press inch Hg
              Temp Fahrenheit     Coord N-E-Elv      H.obs Right

JOB           Job ID 20100319FG_VER
              Atmos crn No      C and R crn Yes      Refrac cnst 0.20
              Elev Yes          Sea level crn No

NOTE        TS Time Date 06/12/2009 Time 20:59:47

COGO        NM Azmth      From North      Dir      North-East

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

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

LOCELL      TM Local Rad 20925604.474          Flat.      298.2572229329

DATUM       TM Molodensky
              Srce Rad 20925604.474          Srce Flat 298.2572235630
              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

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      1.000000000

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

NOTE        TS Time Date 08/11/2009 Time 10:36:07

F FILE      FC File           Used      No
              ID           00000          Name

SURVEY      KI Elev mask 13          PDOP mask 6.0

SURVEY      KI Elev mask 13          PDOP mask 6.0

SURVEY      KI Elev mask 13          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 1575
              Init type On the fly          seconds 499304.0
              Init counter 1          Point ID <no text>
              Survey type Real Time          Plate H.Dist <null>
              Plate V.Dist <null>          Plate azimuth <null>
    
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EQUIP  NM Receiver 5800 Serial no 4516148184
        Antenna R8/5800/SPS78x 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=2.310

GPSANT  KI Antenna ht 6.890 Measurement Uncorrected

GPSVEC  TP Point ID TEST DX 1412.546 DY -2964.477
        Class Normal DZ -2755.469 Code <no text>
        Obs L1 Fixed H.pr 0.026 V.pr 0.042

GPSQC1  NM Min SVs 11 PDOP max 1.4
        Relative DOPs Yes HDOP max 0.7
        Total GPS pos 6 VDOP max 1.2
        Monitor status Not monitored RMS 21.5
        Horz SD Vert SD
        Start wk 1575 sec 499345.0 End wk 1575 sec 499350.0

GPSQC2  NM Ttl satellites 11 Err Scale 0.0065728198
        VCV xx 0.0000040441 VCV xy 0.0000032136
        VCV xz 0.0000008014 VCV yy 0.0000125197
        VCV yz -0.0000034372 VCV zz 0.0000081895

GPSVEC  TP Point ID TEMP CP DX 1419.996 DY -2972.459
        Class Normal DZ -2757.649 Code ROCK
        Obs L1 Fixed H.pr 0.018 V.pr 0.031

GPSQC1  NM Min SVs 11 PDOP max 1.4
        Relative DOPs Yes HDOP max 0.7
        Total GPS pos 6 VDOP max 1.2
        Monitor status Not monitored RMS 11.3
        Horz SD Vert SD
        Start wk 1575 sec 499936.0 End wk 1575 sec 499941.0

GPSQC2  NM Ttl satellites 11 Err Scale 0.0047219004
        VCV xx 0.0000020608 VCV xy 0.0000017806
        VCV xz 0.0000000869 VCV yy 0.0000076486
        VCV yz -0.0000018181 VCV zz 0.0000034287

GPSVEC  SO Point ID 520079 DX 1905.123 DY -3168.222
        Class Stake out DZ -2762.607 Code 20079
        Obs L1 Fixed H.pr 0.019 V.pr 0.034

GPSQC1  NM Min SVs 11 PDOP max 1.4
        Relative DOPs Yes HDOP max 0.7
        Total GPS pos 6 VDOP max 1.2
        Monitor status Not monitored RMS 10.1
        Horz SD Vert SD
        Start wk 1575 sec 500213.0 End wk 1575 sec 500218.0

GPSQC2  NM Ttl satellites 11 Err Scale 0.0051333481
        VCV xx 0.0000024311 VCV xy 0.0000021033
        VCV xz -0.0000000253 VCV yy 0.0000092498
        VCV yz -0.0000021367 VCV zz 0.0000037286

PT DGN  SO Name 20079 To the Point

GRID D  SO Delta N -0.131 Delta E 0.011
        Delta Elv 0.030

GPSVEC  SO Point ID 520078 DX 1873.933 DY -3155.773
        Class Stake out DZ -2765.109 Code 20078
        Obs L1 Fixed H.pr 0.021 V.pr 0.039

GPSQC1  NM Min SVs 11 PDOP max 1.4
        Relative DOPs Yes HDOP max 0.7
        Total GPS pos 6 VDOP max 1.2
        Monitor status Not monitored RMS 15.8
        Horz SD Vert SD
        Start wk 1575 sec 500276.0 End wk 1575 sec 500281.0

GPSQC2  NM Ttl satellites 11 Err Scale 0.0058675017
        VCV xx 0.0000035887 VCV xy 0.0000033144
        VCV xz -0.0000002793 VCV yy 0.0000118607
        VCV yz -0.0000029715 VCV zz 0.0000046144

PT DGN  SO Name 20078 To the Point

GRID D  SO Delta N 0.102 Delta E 0.084
        Delta Elv -0.039

GPSVEC  SO Point ID 520077 DX 1845.948 DY -3144.416
        Class Stake out DZ -2767.221 Code 20077
        Obs L1 Fixed H.pr 0.020 V.pr 0.036

GPSQC1  NM Min SVs 11 PDOP max 1.4
        Relative DOPs Yes HDOP max 0.7
        Total GPS pos 6 VDOP max 1.2
        Monitor status Not monitored RMS 14.7
        Horz SD Vert SD
        Start wk 1575 sec 500327.0 End wk 1575 sec 500332.0

GPSQC2  NM Ttl satellites 11 Err Scale 0.0054198736
        VCV xx 0.0000028668 VCV xy 0.0000025692
        VCV xz -0.0000001302 VCV yy 0.0000102458
        VCV yz -0.0000025684 VCV zz 0.0000039521

PT DGN  SO Name 20077 To the Point
    
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GRID D	SO	Delta N	0.088	Delta E	0.077
		Delta Elv	-0.042		
GPSVEC	SO	Point ID 520059	DX 1804.194	DY -3127.448	
		Class Stake out	DZ -2770.394	Code 20059	
		Obs L1 Fixed	H.pr 0.021	V.pr 0.039	
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	19.8
		Horz SD		Vert SD	
		Start wk 1575 sec 500426.0		End wk 1575 sec 500431.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0058872844
		VCV xx	0.0000033543	VCV xy	0.0000028696
		VCV xz	-0.0000002332	VCV yy	0.0000019779
		VCV yz	-0.0000029019	VCV zz	0.0000046579
PT DGN	SO	Name	20059	To the Point	
GRID D	SO	Delta N	0.070	Delta E	0.039
		Delta Elv	-0.017		
GPSVEC	SO	Point ID 520060	DX 1807.560	DY -3122.256	
		Class Stake out	DZ -2762.573	Code 20060	
		Obs L1 Fixed	H.pr 0.017	V.pr 0.030	
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	9.9
		Horz SD		Vert SD	
		Start wk 1575 sec 500480.0		End wk 1575 sec 500485.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0046435543
		VCV xx	0.0000019581	VCV xy	0.0000016785
		VCV xz	-0.0000001074	VCV yy	0.0000076327
		VCV yz	-0.0000016732	VCV zz	0.0000027896
PT DGN	SO	Name	20060	To the Point	
GRID D	SO	Delta N	0.052	Delta E	0.010
		Delta Elv	0.042		
GPSVEC	SO	Point ID 520065	DX 1809.374	DY -3114.220	
		Class Stake out	DZ -2752.155	Code 20065	
		Obs L1 Fixed	H.pr 0.019	V.pr 0.035	
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	9.8
		Horz SD		Vert SD	
		Start wk 1575 sec 500528.0		End wk 1575 sec 500533.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0053041689
		VCV xx	0.0000028808	VCV xy	0.0000027651
		VCV xz	-0.0000003835	VCV yy	0.0000099722
		VCV yz	-0.0000024642	VCV zz	0.0000032313
PT DGN	SO	Name	20065	To the Point	
GRID D	SO	Delta N	-0.065	Delta E	-0.058
		Delta Elv	0.025		
GPSVEC	SO	Point ID 520062	DX 1806.246	DY -3106.183	
		Class Stake out	DZ -2744.351	Code 20062	
		Obs L1 Fixed	H.pr 0.016	V.pr 0.030	
GPSQC1	NM	Min SVs	11	PDOP max	2.0
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	12.1
		Horz SD		Vert SD	
		Start wk 1575 sec 500578.0		End wk 1575 sec 500583.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0042038565
		VCV xx	0.0000019399	VCV xy	0.0000017764
		VCV xz	-0.0000002051	VCV yy	0.0000073125
		VCV yz	-0.0000015995	VCV zz	0.000002478
PT DGN	SO	Name	20062	To the Point	
GRID D	SO	Delta N	0.002	Delta E	0.044
		Delta Elv	-0.058		
GPSVEC	SO	Point ID 520063	DX 1800.885	DY -3099.245	
		Class Stake out	DZ -2739.311	Code 20063	
		Obs L1 Fixed	H.pr 0.019	V.pr 0.036	
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	13.0
		Horz SD		Vert SD	
		Start wk 1575 sec 500615.0		End wk 1575 sec 500620.0	
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0050549931
		VCV xx	0.0000027052	VCV xy	0.0000024052
		VCV xz	-0.0000003601	VCV yy	0.0000106582
		VCV yz	-0.0000021721	VCV zz	0.0000035361

PT DGN	SO	Name	20063	To the Point	
GRID D	SO	Delta N	-0.059	Delta E	0.036
		Delta Elv	0.015		
GPSVEC	SO	Point ID 520058	DX 1802.764	DY	-3132.384
		Class Stake out	DZ -2777.963	Code	20058
		Obs L1 Fixed	H.pr 0.020	V.pr	0.036
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	5	VDOP max	1.2
		Monitor status	Not monitored	RMS	16.3
		Horz SD		Vert SD	
		Start wk	1575 sec 500708.0	End wk	1575 sec 500713.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0051280572
		VCV xx	0.0000027363	VCV xy	0.0000022744
		VCV xz	-0.0000002088	VCV yy	0.0000107618
		VCV yz	-0.0000022659	VCV zz	0.0000037186
PT DGN	SO	Name	20058	To the Point	
GRID D	SO	Delta N	-0.004	Delta E	-0.046
		Delta Elv	0.055		
GPSVEC	SO	Point ID 520057	DX 1798.716	DY	-3138.422
		Class Stake out	DZ -2788.295	Code	20057
		Obs L1 Fixed	H.pr 0.018	V.pr	0.033
GPSQC1	NM	Min SVs	11	PDOP max	2.0
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	5	VDOP max	1.7
		Monitor status	Not monitored	RMS	12.4
		Horz SD		Vert SD	
		Start wk	1575 sec 500748.0	End wk	1575 sec 500753.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0042799227
		VCV xx	0.0000023233	VCV xy	0.0000019419
		VCV xz	-0.0000001948	VCV yy	0.0000089505
		VCV yz	-0.0000019891	VCV zz	0.0000030503
PT DGN	SO	Name	20057	To the Point	
GRID D	SO	Delta N	0.003	Delta E	0.058
		Delta Elv	-0.046		
GPSVEC	SO	Point ID 520056	DX 1789.541	DY	-3141.816
		Class Stake out	DZ -2798.565	Code	20056
		Obs L1 Fixed	H.pr 0.019	V.pr	0.035
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	12.1
		Horz SD		Vert SD	
		Start wk	1575 sec 500792.0	End wk	1575 sec 500797.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0053775734
		VCV xx	0.0000025275	VCV xy	0.000002088
		VCV xz	-0.0000002279	VCV yy	0.0000101287
		VCV yz	-0.0000020201	VCV zz	0.0000034133
PT DGN	SO	Name	20056	To the Point	
GRID D	SO	Delta N	0.060	Delta E	-0.047
		Delta Elv	0.024		
GRID D	SO	Delta N	0.113	Delta E	0.003
		Delta Elv	0.045		
GPSVEC	SO	Point ID 520035	DX 1774.216	DY	-3120.602
		Class Stake out	DZ -2762.222	Code	20035
		Obs L1 Fixed	H.pr 0.018	V.pr	0.033
GPSQC1	NM	Min SVs	11	PDOP max	1.9
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	5	VDOP max	1.7
		Monitor status	Not monitored	RMS	12.2
		Horz SD		Vert SD	
		Start wk	1575 sec 501045.0	End wk	1575 sec 501050.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0044095111
		VCV xx	0.000002414	VCV xy	0.000002121
		VCV xz	-0.0000003777	VCV yy	0.0000093786
		VCV yz	-0.00000177	VCV zz	0.0000028343
PT DGN	SO	Name	20035	To the Point	
GRID D	SO	Delta N	0.049	Delta E	0.130
		Delta Elv	-0.058		
GPSVEC	SO	Point ID 520034	DX 1719.387	DY	-3094.926
		Class Stake out	DZ -2762.140	Code	20034
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	16.0
		Horz SD		Vert SD	
		Start wk	1575 sec 501133.0	End wk	1575 sec 501138.0

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GPSQC2 NM Ttl satellites 11 Err Scale 0.0049682162
          VCV xx 0.0000021119 VCV xy 0.0000016989
          VCV xz -0.0000002983 VCV yy 0.0000083979
          VCV yz -0.0000015159 VCV zz 0.0000025844

PT DGN SO Name 20034 To the Point

GRID D SO Delta N -0.060 Delta E 0.030
          Delta Elv -0.038

GPSVEC SO Point ID 520033 DX 1671.654 DY -3072.711
          Class Stake out DZ -2762.276 Code 20033
          Obs L1 Fixed H.pr 0.016 V.pr 0.030

GPSQC1 NM Min SVs 11 PDOP max 1.4
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 15.6
          Horz SD Vert SD
          Start wk 1575 sec 501192.0 End wk 1575 sec 501197.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0048139845
          VCV xx 0.0000019731 VCV xy 0.0000015676
          VCV xz -0.0000002938 VCV yy 0.0000078191
          VCV yz -0.0000013758 VCV zz 0.0000023926

PT DGN SO Name 20033 To the Point

GRID D SO Delta N 0.086 Delta E 0.065
          Delta Elv 0.000

GPSVEC SO Point ID 520032 DX 1627.367 DY -3051.837
          Class Stake out DZ -2762.111 Code 20032
          Obs L1 Fixed H.pr 0.018 V.pr 0.033

GPSQC1 NM Min SVs 11 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 5 VDOP max 1.2
          Monitor status Not monitored RMS 12.9
          Horz SD Vert SD
          Start wk 1575 sec 501318.0 End wk 1575 sec 501323.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0048759934
          VCV xx 0.0000023058 VCV xy 0.0000017727
          VCV xz -0.0000003751 VCV yy 0.0000092265
          VCV yz -0.0000015193 VCV zz 0.0000027669

PT DGN SO Name 20032 To the Point

GRID D SO Delta N -0.155 Delta E -0.052
          Delta Elv 0.057

GPSVEC SO Point ID 520031 DX 1577.870 DY -3028.788
          Class Stake out DZ -2762.228 Code 20031
          Obs L1 Fixed H.pr 0.018 V.pr 0.032

GPSQC1 NM Min SVs 11 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 1575 sec 501399.0 End wk 1575 sec 501404.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0052332855
          VCV xx 0.0000022665 VCV xy 0.0000017809
          VCV xz -0.0000004136 VCV yy 0.0000090662
          VCV yz -0.0000014741 VCV zz 0.0000026023

PT DGN SO Name 20031 To the Point

GRID D SO Delta N -0.029 Delta E 0.089
          Delta Elv 0.092

GPSVEC SO Point ID 520030 DX 1519.271 DY -3001.466
          Class Stake out DZ -2762.239 Code 20030
          Obs L1 Fixed H.pr 0.018 V.pr 0.033

GPSQC1 NM Min SVs 11 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 14.6
          Horz SD Vert SD
          Start wk 1575 sec 501452.0 End wk 1575 sec 501457.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0053758658
          VCV xx 0.0000023707 VCV xy 0.0000020307
          VCV xz -0.0000004999 VCV yy 0.0000097178
          VCV yz -0.0000016724 VCV zz 0.0000024881

PT DGN SO Name 20030 To the Point

GRID D SO Delta N -0.003 Delta E -0.014
          Delta Elv 0.082

GPSVEC SO Point ID 520019 DX 1475.725 DY -2981.228
          Class Stake out DZ -2762.305 Code 20019
          Obs L1 Fixed H.pr 0.025 V.pr 0.045
    
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GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 30.9
Horz SD Vert SD
Start wk 1575 sec 501518.0 End wk 1575 sec 501523.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0073930384
VCV xx 0.0000039896 VCV xy 0.0000028587
VCV xz -0.0000006516 VCV yy 0.000018676
VCV yz -0.0000037631 VCV zz 0.0000045993

PT DGN SO Name 20019 To the Point

GRID D SO Delta N 0.098 Delta E 0.060
Delta Elv 0.062

GPSVEC SO Point ID 520020 DX 1486.002 DY -2973.135
Class Stake out DZ -2747.153 Code 20020
Obs L1 Fixed H.pr 0.024 V.pr 0.044

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 30.0
Horz SD Vert SD
Start wk 1575 sec 501566.0 End wk 1575 sec 501571.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0072990409
VCV xx 0.0000038559 VCV xy 0.0000027384
VCV xz -0.0000006506 VCV yy 0.0000180505
VCV yz -0.0000035361 VCV zz 0.0000044539

PT DGN SO Name 20020 To the Point

GRID D SO Delta N -0.020 Delta E -0.002
Delta Elv 0.020

GPSVEC SO Point ID 520021 DX 1491.803 DY -2966.106
Class Stake out DZ -2735.816 Code 20021
Obs L1 Fixed H.pr 0.019 V.pr 0.035

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 18.5
Horz SD Vert SD
Start wk 1575 sec 501620.0 End wk 1575 sec 501625.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0057494291
VCV xx 0.0000024866 VCV xy 0.0000018518
VCV xz -0.0000005415 VCV yy 0.0000109448
VCV yz -0.0000018202 VCV zz 0.0000027735

PT DGN SO Name 20021 To the Point

GRID D SO Delta N -0.034 Delta E 0.069
Delta Elv 0.052

GPSVEC SO Point ID 520022 DX 1493.748 DY -2955.377
Class Stake out DZ -2722.146 Code 20022
Obs L1 Fixed H.pr 0.017 V.pr 0.030

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 15.6
Horz SD Vert SD
Start wk 1575 sec 501667.0 End wk 1575 sec 501672.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0050336136
VCV xx 0.0000020407 VCV xy 0.0000015375
VCV xz -0.0000004219 VCV yy 0.0000080441
VCV yz -0.000001166 VCV zz 0.0000022355

PT DGN SO Name 20022 To the Point

GRID D SO Delta N 0.000 Delta E 0.018
Delta Elv 0.015

GPSVEC SO Point ID 520023 DX 1489.561 DY -2942.816
Class Stake out DZ -2709.597 Code 20023
Obs L1 Fixed H.pr 0.019 V.pr 0.034

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 14.5
Horz SD Vert SD
Start wk 1575 sec 501725.0 End wk 1575 sec 501730.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0057353326
VCV xx 0.0000026058 VCV xy 0.0000018703
VCV xz -0.0000005392 VCV yy 0.0000103374
VCV yz -0.0000014295 VCV zz 0.0000028904

PT DGN SO Name 20023 To the Point

GRID D SO Delta N -0.083 Delta E 0.029
Delta Elv -0.069
    
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GPSVEC SO Point ID 520018      DX  1469.310      DY  -2989.520
        Class Stake out      DZ  -2777.128      Code 20018
        Obs L1 Fixed         H.pr 0.022       V.pr 0.039

GPSQC1 NM Min SVs           11                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.6
        Total GPS pos      6                VDOP max  1.1
        Monitor status     Not monitored      RMS       25.7
        Horz SD            Vert SD
        Start wk 1575 sec 501784.0          End wk 1575  sec 501789.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.0066383788
        VCV xx      0.0000034322          VCV xy    0.0000026081
        VCV xz     -0.0000008298          VCV yy    0.0000141075
        VCV yz     -0.0000023177          VCV zz    0.0000034528

PT DGN SO Name              20018                To the Point

GRID D SO Delta N           0.045                Delta E    0.090
        Delta Elv        -0.026

GPSVEC SO Point ID 520017      DX  1464.912      DY  -2996.835
        Class Stake out      DZ  -2789.610      Code 20017
        Obs L1 Fixed         H.pr 0.021       V.pr 0.038

GPSQC1 NM Min SVs           11                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.6
        Total GPS pos      6                VDOP max  1.1
        Monitor status     Not monitored      RMS       22.8
        Horz SD            Vert SD
        Start wk 1575 sec 501828.0          End wk 1575  sec 501833.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.0063478933
        VCV xx      0.0000029652          VCV xy    0.0000016959
        VCV xz     -0.0000005662          VCV yy    0.0000127189
        VCV yz     -0.000001976          VCV zz    0.000003362

PT DGN SO Name              20017                To the Point

GRID D SO Delta N           -0.043           Delta E    -0.041
        Delta Elv         0.001

GPSVEC SO Point ID 520016      DX  1448.746      DY  -3003.966
        Class Stake out      DZ  -2809.075      Code 20016
        Obs L1 Fixed         H.pr 0.020       V.pr 0.036

GPSQC1 NM Min SVs           11                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.6
        Total GPS pos      6                VDOP max  1.1
        Monitor status     Not monitored      RMS       19.2
        Horz SD            Vert SD
        Start wk 1575 sec 501878.0          End wk 1575  sec 501883.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.0060311677
        VCV xx      0.0000017186          VCV xy    -0.000000298
        VCV xz     -0.0000010036          VCV yy    0.0000065682
        VCV yz     -0.000003495          VCV zz    0.0000087533

PT DGN SO Name              20016                To the Point

GRID D SO Delta N           0.132                Delta E    -0.098
        Delta Elv         0.001

GPSVEC SO Point ID 520025      DX  1435.475      DY  -3003.740
        Class Stake out      DZ  -2817.038      Code 20025
        Obs L1 Fixed         H.pr 0.019       V.pr 0.035

GPSQC1 NM Min SVs           11                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.6
        Total GPS pos      6                VDOP max  1.1
        Monitor status     Not monitored      RMS       16.7
        Horz SD            Vert SD
        Start wk 1575 sec 501913.0          End wk 1575  sec 501918.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.0059502083
        VCV xx      0.0000017039          VCV xy    -0.0000003042
        VCV xz     -0.0000007921          VCV yy    0.0000065714
        VCV yz     -0.0000033117          VCV zz    0.0000082066

PT DGN SO Name              20025                To the Point

GRID D SO Delta N           0.081                Delta E    0.116
        Delta Elv         0.025

NOTE TS Time Date 03/19/2010 Time 12:29:41

GRID D SO Delta N           0.128                Delta E    -0.075
        Delta Elv        -0.017

GPSVEC SO Point ID 520028      DX  1394.553      DY  -2957.486
        Class Stake out      DZ  -2754.342      Code 20028
        Obs L1 Fixed         H.pr 0.018       V.pr 0.031

GPSQC1 NM Min SVs           11                PDOP max  1.2
        Relative DOPs      Yes                HDOP max  0.6
        Total GPS pos      6                VDOP max  1.1
        Monitor status     Not monitored      RMS       15.2
        Horz SD            Vert SD
        Start wk 1575 sec 502307.0          End wk 1575  sec 502312.0
    
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GPSQC2 NM Ttl satellites 11 Err Scale 0.0055790525
          VCV xx 0.0000016039 VCV xy -0.0000005514
          VCV xz -0.0000006229 VCV yy 0.0000052065
          VCV yz -0.0000017094 VCV zz 0.0000066747

PT DGN SO Name 20028 To the Point

GRID D SO Delta N -0.007 Delta E 0.051
          Delta Elv 0.021

GPSVEC SO Point ID 520027 DX 1351.782 DY -2921.579
          Class Stake out DZ -2735.334 Code 20027
          Obs L1 Fixed H.pr 0.021 V.pr 0.037

GPSQC1 NM Min SVs 11 PDOP max 1.7
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 1.5
          Monitor status Not monitored RMS 19.0
          Horz SD Vert SD
          Start wk 1575 sec 502395.0 End wk 1575 sec 502400.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0060881674
          VCV xx 0.0000021242 VCV xy -0.0000010943
          VCV xz -0.0000007079 VCV yy 0.0000074547
          VCV yz -0.0000024917 VCV zz 0.0000088529

PT DGN SO Name 20027 To the Point

GRID D SO Delta N -0.022 Delta E -0.038
          Delta Elv -0.007

GPSVEC SO Point ID 520026 DX 1313.352 DY -2889.372
          Class Stake out DZ -2718.472 Code 20026
          Obs L1 Fixed H.pr 0.026 V.pr 0.045

GPSQC1 NM Min SVs 11 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.1
          Monitor status Not monitored RMS 24.0
          Horz SD Vert SD
          Start wk 1575 sec 502485.0 End wk 1575 sec 502490.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0080713406
          VCV xx 0.0000034492 VCV xy -0.0000010174
          VCV xz -0.0000008997 VCV yy 0.0000114374
          VCV yz -0.0000028809 VCV zz 0.0000124262

PT DGN SO Name 20026 To the Point

GRID D SO Delta N 0.071 Delta E 0.086
          Delta Elv 0.059

GPSVEC SO Point ID 520014 DX 1289.349 DY -2894.236
          Class Stake out DZ -2738.173 Code 20014
          Obs L1 Fixed H.pr 0.019 V.pr 0.035

GPSQC1 NM Min SVs 10 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 1575 sec 502579.0 End wk 1575 sec 502584.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0057836981
          VCV xx 0.0000021112 VCV xy -0.0000005148
          VCV xz -0.0000008832 VCV yy 0.0000067356
          VCV yz -0.0000015482 VCV zz 0.0000077838

PT DGN SO Name 20014 To the Point

GRID D SO Delta N 0.058 Delta E -0.036
          Delta Elv 0.087

GPSVEC SO Point ID 520621 DX 1233.706 DY -2894.162
          Class Stake out DZ -2769.750 Code 20621
          Obs L1 Fixed H.pr 0.025 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 1.1
          Monitor status Not monitored RMS 22.4
          Horz SD Vert SD
          Start wk 1575 sec 503236.0 End wk 1575 sec 503241.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0065922779
          VCV xx 0.0000031938 VCV xy -0.0000007494
          VCV xz -0.0000011173 VCV yy 0.0000110545
          VCV yz 0.0000010329 VCV zz 0.0000082604

PT DGN SO Name 20621 To the Point

GRID D SO Delta N -0.036 Delta E -0.117
          Delta Elv -0.017

GPSVEC SO Point ID 520620 DX 1244.282 DY -2865.380
          Class Stake out DZ -2729.315 Code 20620
          Obs L1 Fixed H.pr 0.020 V.pr 0.034
    
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GPSQC1 NM Min SVs 10 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 18.6
Horz SD Vert SD
Start wk 1575 sec 503281.0 End wk 1575 sec 503286.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0059574796
VCV xx 0.0000022908 VCV xy -0.0000007482
VCV xz 0.0000001873 VCV yy 0.0000092331
VCV yz -0.0000003646 VCV zz 0.0000048867

PT DGN SO Name 20620 To the Point

GRID D SO Delta N 0.096 Delta E -0.081
Delta Elv -0.053

GPSVEC SO Point ID 520619 DX 1254.902 DY -2836.409
Class Stake out DZ -2688.686 Code 20619
Obs L1 Fixed H.pr 0.020 V.pr 0.035

GPSQC1 NM Min SVs 10 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 19.9
Horz SD Vert SD
Start wk 1575 sec 503331.0 End wk 1575 sec 503336.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0060066967
VCV xx 0.0000025128 VCV xy -0.0000003882
VCV xz -0.0000001552 VCV yy 0.000008534
VCV yz 0.0000003234 VCV zz 0.0000054976

PT DGN SO Name 20619 To the Point

GRID D SO Delta N -0.040 Delta E -0.004
Delta Elv 0.009

GPSVEC SO Point ID 520618 DX 1265.709 DY -2807.126
Class Stake out DZ -2648.494 Code 20618
Obs L1 Fixed H.pr 0.022 V.pr 0.038

GPSQC1 NM Min SVs 10 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 17.6
Horz SD Vert SD
Start wk 1575 sec 503377.0 End wk 1575 sec 503382.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0066673141
VCV xx 0.0000030463 VCV xy -0.000000403
VCV xz -0.0000000853 VCV yy 0.0000107955
VCV yz 0.0000004828 VCV zz 0.0000063856

PT DGN SO Name 20618 To the Point

GRID D SO Delta N -0.036 Delta E 0.035
Delta Elv -0.024

GPSVEC SO Point ID 520617 DX 1276.584 DY -2777.793
Class Stake out DZ -2608.345 Code 20617
Obs L1 Fixed H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 10 PDOP max 1.8
Relative DOPs Yes HDOP max 0.9
Total GPS pos 5 VDOP max 1.5
Monitor status Not monitored RMS 22.1
Horz SD Vert SD
Start wk 1575 sec 503421.0 End wk 1575 sec 503427.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0063259974
VCV xx 0.0000027196 VCV xy -0.0000003548
VCV xz -0.0000003059 VCV yy 0.0000094838
VCV yz 0.0000008292 VCV zz 0.0000058701

PT DGN SO Name 20617 To the Point

GRID D SO Delta N -0.041 Delta E 0.033
Delta Elv 0.029

GPSVEC SO Point ID 520616 DX 1287.545 DY -2748.591
Class Stake out DZ -2568.097 Code 20616
Obs L1 Fixed H.pr 0.019 V.pr 0.033

GPSQC1 NM Min SVs 10 PDOP max 1.8
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 12.8
Horz SD Vert SD
Start wk 1575 sec 503471.0 End wk 1575 sec 503476.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0053767958
VCV xx 0.0000022417 VCV xy -0.0000001819
VCV xz -0.0000000094 VCV yy 0.000008282
VCV yz 0.0000005888 VCV zz 0.0000045842

PT DGN SO Name 20616 To the Point

GRID D SO Delta N -0.078 Delta E -0.102
Delta Elv -0.043
    
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GPSVEC SO Point ID 520615      DX  1298.206      DY  -2719.262
        Class Stake out      DZ  -2527.954      Code 20615
        Obs L1 Fixed          H.pr 0.019        V.pr 0.033

GPSQC1 NM Min SVs           10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored RMS 11.1
        Horz SD                Vert SD
        Start wk 1575 sec 503512.0 End wk 1575 sec 503517.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0058141081
        VCV xx 0.0000022865      VCV xy -0.0000001001
        VCV xz -0.0000000142     VCV yy 0.0000083027
        VCV yz 0.0000006264      VCV zz 0.0000044512

PT DGN SO Name                20615          To the Point

GRID D SO Delta N             -0.022          Delta E 0.089
        Delta Elv            -0.064

GPSVEC SO Point ID 520614      DX  1309.272      DY  -2690.042
        Class Stake out      DZ  -2487.783      Code 20614
        Obs L1 Fixed          H.pr 0.022        V.pr 0.037

GPSQC1 NM Min SVs           10                PDOP max 1.8
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.5
        Monitor status Not monitored RMS 18.0
        Horz SD                Vert SD
        Start wk 1575 sec 503571.0 End wk 1575 sec 503576.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0061617177
        VCV xx 0.0000030385      VCV xy -0.0000005244
        VCV xz 0.0000002139     VCV yy 0.0000110249
        VCV yz 0.0000004472      VCV zz 0.0000054515

PT DGN SO Name                20614          To the Point

GRID D SO Delta N             -0.034          Delta E -0.134
        Delta Elv            -0.042

GPSVEC SO Point ID 520613      DX  1320.062      DY  -2660.731
        Class Stake out      DZ  -2447.628      Code 20613
        Obs L1 Fixed          H.pr 0.021        V.pr 0.034

GPSQC1 NM Min SVs           10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored RMS 19.0
        Horz SD                Vert SD
        Start wk 1575 sec 503618.0 End wk 1575 sec 503623.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0061564646
        VCV xx 0.0000024843      VCV xy -0.0000005796
        VCV xz 0.0000003082     VCV yy 0.0000094036
        VCV yz 0.0000001997      VCV zz 0.000004683

PT DGN SO Name                20613          To the Point

GRID D SO Delta N             -0.010          Delta E -0.068
        Delta Elv            -0.039

GPSVEC SO Point ID 520612      DX  1330.755      DY  -2631.398
        Class Stake out      DZ  -2407.502      Code 20612
        Obs L1 Fixed          H.pr 0.019        V.pr 0.034

GPSQC1 NM Min SVs           11                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored RMS 12.2
        Horz SD                Vert SD
        Start wk 1575 sec 503668.0 End wk 1575 sec 503673.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0059896903
        VCV xx 0.0000023744      VCV xy 0.0000001064
        VCV xz 0.0000001664     VCV yy 0.0000088819
        VCV yz 0.0000008471      VCV zz 0.0000039395

PT DGN SO Name                20612          To the Point

GRID D SO Delta N             0.050           Delta E 0.095
        Delta Elv            -0.035

GPSVEC SO Point ID 520633      DX  1299.776      DY  -2576.849
        Class Stake out      DZ  -2362.848      Code 20633
        Obs L1 Fixed          H.pr 0.020        V.pr 0.033

GPSQC1 NM Min SVs           10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 12.4
        Horz SD                Vert SD
        Start wk 1575 sec 503853.0 End wk 1575 sec 503858.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0060570873
        VCV xx 0.0000027624      VCV xy -0.0000006205
        VCV xz -0.0000003881     VCV yy 0.0000091696
        VCV yz 0.0000009542      VCV zz 0.0000036558

PT DGN SO Name                20633          To the Point
    
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GRID D SO Delta N      -0.036          Delta E      0.103
        Delta Elv     -0.038

GPSVEC SO Point ID 520632      DX  1286.551      DY  -2604.674
        Class Stake out      DZ  -2402.718      Code 20632
        Obs L1 Fixed          H.pr 0.024          V.pr 0.039

GPSQC1 NM Min SVs          10          PDOP max  1.2
        Relative DOPs Yes      HDOP max  0.6
        Total GPS pos  6      VDOP max  1.0
        Monitor status Not monitored      RMS      26.3
        Horz SD          Vert SD
        Start wk 1575 sec 503907.0      End wk 1575 sec 503912.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0072291573
        VCV xx  0.0000037484      VCV xy  -0.0000002502
        VCV xz  -0.000000058      VCV yy  0.000013152
        VCV yz  0.0000020187      VCV zz  0.0000051691

PT DGN SO Name          20632          To the Point

GRID D SO Delta N      -0.091          Delta E      0.028
        Delta Elv     -0.045

GPSVEC SO Point ID 520631      DX  1273.215      DY  -2632.625
        Class Stake out      DZ  -2442.768      Code 20631
        Obs L1 Fixed          H.pr 0.027          V.pr 0.047

GPSQC1 NM Min SVs          9          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored      RMS      28.7
        Horz SD          Vert SD
        Start wk 1575 sec 503961.0      End wk 1575 sec 503966.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0065922807
        VCV xx  0.0000050665      VCV xy  0.0000002388
        VCV xz  -0.0000004571      VCV yy  0.000019609
        VCV yz  0.0000036001      VCV zz  0.0000057503

PT DGN SO Name          20631          To the Point

GRID D SO Delta N      0.096          Delta E      -0.002
        Delta Elv     -0.075

NOTE TS Time Date 03/19/2010 Time 13:00:02

GPSVEC SO Point ID 520630      DX  1259.910      DY  -2660.298
        Class Stake out      DZ  -2482.533      Code 20630
        Obs L1 Fixed          H.pr 0.025          V.pr 0.044

GPSQC1 NM Min SVs          9          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored      RMS      28.6
        Horz SD          Vert SD
        Start wk 1575 sec 504009.0      End wk 1575 sec 504014.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0061918148
        VCV xx  0.0000042601      VCV xy  0.00000021103
        VCV xz  -0.0000002778      VCV yy  0.0000176233
        VCV yz  0.0000031732      VCV zz  0.0000048269

PT DGN SO Name          20630          To the Point

GRID D SO Delta N      -0.104          Delta E      0.061
        Delta Elv     -0.059

GPSVEC SO Point ID 520629      DX  1246.635      DY  -2688.203
        Class Stake out      DZ  -2522.544      Code 20629
        Obs L1 Fixed          H.pr 0.024          V.pr 0.042

GPSQC1 NM Min SVs          9          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored      RMS      19.7
        Horz SD          Vert SD
        Start wk 1575 sec 504063.0      End wk 1575 sec 504068.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.005913307
        VCV xx  0.000004055      VCV xy  0.00000023479
        VCV xz  -0.0000000323      VCV yy  0.0000161833
        VCV yz  0.0000024394      VCV zz  0.000003979

PT DGN SO Name          20629          To the Point

GRID D SO Delta N      0.011          Delta E      -0.004
        Delta Elv     -0.059

GPSVEC SO Point ID 520628      DX  1233.320      DY  -2715.962
        Class Stake out      DZ  -2562.366      Code 20628
        Obs L1 Fixed          H.pr 0.025          V.pr 0.045

GPSQC1 NM Min SVs          9          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored      RMS      23.0
        Horz SD          Vert SD
        Start wk 1575 sec 504106.0      End wk 1575 sec 504111.0
    
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GPSQC2 NM Ttl satellites 9 Err Scale 0.0062943883
          VCV xx 0.0000045382 VCV xy 0.0000027803
          VCV xz 0.0000002029 VCV yy 0.0000190489
          VCV yz 0.0000021526 VCV zz 0.000003714

PT DGN SO Name 20628 To the Point

GRID D SO Delta N -0.095 Delta E 0.030
          Delta Elv -0.077

GPSVEC SO Point ID 520626 DX 1206.748 DY -2771.568
          Class Stake out DZ -2642.236 Code 20626
          Obs L1 Fixed H.pr 0.022 V.pr 0.037

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 20.6
          Horz SD Vert SD
          Start wk 1575 sec 504238.0 End wk 1575 sec 504243.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0053359233
          VCV xx 0.0000028239 VCV xy 0.00000085
          VCV xz -0.0000001748 VCV yy 0.0000132737
          VCV yz 0.0000017781 VCV zz 0.0000031886

PT DGN SO Name 20626 To the Point

GRID D SO Delta N -0.090 Delta E 0.007
          Delta Elv -0.023

GPSVEC SO Point ID 520624 DX 1179.980 DY -2827.173
          Class Stake out DZ -2722.129 Code 20624
          Obs L1 Fixed H.pr 0.020 V.pr 0.035

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 11.8
          Horz SD Vert SD
          Start wk 1575 sec 504358.0 End wk 1575 sec 504363.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0049724085
          VCV xx 0.000002686 VCV xy 0.0000011233
          VCV xz -0.0000001029 VCV yy 0.000011381
          VCV yz 0.0000012692 VCV zz 0.000002388

PT DGN SO Name 20624 To the Point

GRID D SO Delta N -0.018 Delta E 0.163
          Delta Elv -0.024

GPSVEC SO Point ID 520622 DX 1159.642 DY -2869.902
          Class Stake out DZ -2783.307 Code 20622
          Obs L1 Fixed H.pr 0.026 V.pr 0.045

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 19.6
          Horz SD Vert SD
          Start wk 1575 sec 504493.0 End wk 1575 sec 504498.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0065013724
          VCV xx 0.0000042987 VCV xy 0.0000015827
          VCV xz -0.0000002952 VCV yy 0.0000195501
          VCV yz 0.0000021211 VCV zz 0.0000036703

PT DGN SO Name 20622 To the Point

GRID D SO Delta N 0.014 Delta E 0.073
          Delta Elv -0.078

GPSVEC SO Point ID 520640 DX 1114.043 DY -2826.615
          Class Stake out DZ -2754.675 Code 20640
          Obs L1 Fixed H.pr 0.020 V.pr 0.035

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 15.2
          Horz SD Vert SD
          Start wk 1575 sec 504555.0 End wk 1575 sec 504560.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0050658807
          VCV xx 0.0000023966 VCV xy 0.0000008603
          VCV xz -0.0000000654 VCV yy 0.0000117832
          VCV yz 0.0000013354 VCV zz 0.0000023495

PT DGN SO Name 20640 To the Point

GRID D SO Delta N 0.116 Delta E -0.051
          Delta Elv -0.077

GPSVEC SO Point ID 520639 DX 1132.921 DY -2801.652
          Class Stake out DZ -2715.398 Code 20639
          Obs L1 Fixed H.pr 0.022 V.pr 0.038
    
```

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GPSQC1 NM Min SVs          9          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  6          VDOP max  1.3
          Monitor status Not monitored RMS       18.2
          Horz SD
          Start wk 1575 sec 504600.0 End wk 1575 sec 504605.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0056278468
          VCV xx  0.0000029709      VCV xy   0.000001092
          VCV xz  0.0000000188      VCV yy   0.0000143245
          VCV yz  0.0000014688      VCV zz   0.0000029407

PT DGN SO Name          20639          To the Point

GRID D SO Delta N      -0.065          Delta E      -0.167
          Delta Elv    -0.038

GPSVEC SO Point ID 520638      DX  1151.507      DY  -2776.727
          Class Stake out      DZ  -2676.261      Code 20638
          Obs L1 Fixed          H.pr 0.030          V.pr 0.051

GPSQC1 NM Min SVs          9          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  6          VDOP max  1.3
          Monitor status Not monitored RMS       26.4
          Horz SD
          Start wk 1575 sec 504646.0 End wk 1575 sec 504651.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0075233202
          VCV xx  0.0000051151      VCV xy   0.0000017103
          VCV xz  -0.0000002628     VCV yy   0.0000247419
          VCV yz  0.0000034401      VCV zz   0.0000060014

PT DGN SO Name          20638          To the Point

GRID D SO Delta N      -0.038          Delta E      -0.035
          Delta Elv    -0.044

GPSVEC SO Point ID 520637      DX  1170.547      DY  -2751.977
          Class Stake out      DZ  -2637.048      Code 20637
          Obs L1 Fixed          H.pr 0.022          V.pr 0.034

GPSQC1 NM Min SVs          8          PDOP max  2.2
          Relative DOPs Yes        HDOP max  1.2
          Total GPS pos  6          VDOP max  1.8
          Monitor status Not monitored RMS       14.0
          Horz SD
          Start wk 1575 sec 504722.0 End wk 1575 sec 504727.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0046737939
          VCV xx  0.0000024451      VCV xy   0.0000003429
          VCV xz  -0.0000007939     VCV yy   0.0000114223
          VCV yz  0.0000027831      VCV zz   0.0000033614

PT DGN SO Name          20637          To the Point

GRID D SO Delta N      -0.096          Delta E      -0.388
          Delta Elv    -0.067

GPSVEC SO Point ID 520636      DX  1188.817      DY  -2726.796
          Class Stake out      DZ  -2597.835      Code 20636
          Obs L1 Fixed          H.pr 0.022          V.pr 0.033

GPSQC1 NM Min SVs          8          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  6          VDOP max  1.3
          Monitor status Not monitored RMS       9.6
          Horz SD
          Start wk 1575 sec 504767.0 End wk 1575 sec 504772.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0048663975
          VCV xx  0.0000025655      VCV xy   0.0000007631
          VCV xz  -0.0000005916     VCV yy   0.0000107931
          VCV yz  0.0000018201      VCV zz   0.000002539

PT DGN SO Name          20636          To the Point

GRID D SO Delta N      -0.187          Delta E      0.138
          Delta Elv    -0.038

GPSVEC SO Point ID 520635      DX  1207.611      DY  -2702.153
          Class Stake out      DZ  -2559.013      Code 20635
          Obs L1 Fixed          H.pr 0.022          V.pr 0.033

GPSQC1 NM Min SVs          8          PDOP max  2.2
          Relative DOPs Yes        HDOP max  1.2
          Total GPS pos  6          VDOP max  1.8
          Monitor status Not monitored RMS       17.3
          Horz SD
          Start wk 1575 sec 504807.0 End wk 1575 sec 504812.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0046175416
          VCV xx  0.0000026292      VCV xy   0.0000008626
          VCV xz  -0.0000005695     VCV yy   0.0000114135
          VCV yz  0.0000018483      VCV zz   0.0000025482

PT DGN SO Name          20635          To the Point

GRID D SO Delta N      0.192          Delta E      -0.040
          Delta Elv    0.005
    
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GPSVEC SO Point ID 520634      DX 1226.270      DY -2677.239
        Class Stake out      DZ -2519.750      Code 20634
        Obs L1 Fixed         H.pr 0.023      V.pr 0.035

GPSQC1 NM Min SVs           8                PDOP max 1.5
        Relative DOPs Yes    HDOP max 0.8
        Total GPS pos 6      VDOP max 1.3
        Monitor status Not monitored RMS 19.7
        Horz SD              Vert SD
        Start wk 1575 sec 504853.0 End wk 1575 sec 504858.0

GPSQC2 NM Ttl satellites 8      Err Scale 0.0052744113
        VCV xx 0.0000029968 VCV xy 0.0000012325
        VCV xz -0.0000005598 VCV yy 0.0000127871
        VCV yz 0.000001783 VCV zz 0.0000026345

PT DGN SO Name              20634          To the Point

GRID D SO Delta N           0.104          Delta E 0.021
        Delta Elv -0.059

GPSVEC SO Point ID 520652      DX 1261.578      DY -2556.210
        Class Stake out      DZ -2357.593      Code 20652
        Obs L1 Fixed         H.pr 0.019      V.pr 0.029

GPSQC1 NM Min SVs           8                PDOP max 2.1
        Relative DOPs Yes    HDOP max 1.2
        Total GPS pos 6      VDOP max 1.8
        Monitor status Not monitored RMS 10.7
        Horz SD              Vert SD
        Start wk 1575 sec 504980.0 End wk 1575 sec 504985.0

GPSQC2 NM Ttl satellites 8      Err Scale 0.0040945336
        VCV xx 0.0000019957 VCV xy 0.0000007572
        VCV xz -0.0000004019 VCV yy 0.0000088949
        VCV yz 0.0000012916 VCV zz 0.0000017891

PT DGN SO Name              20652          To the Point

GRID D SO Delta N           0.079          Delta E 0.231
        Delta Elv 0.007

GPSVEC SO Point ID 520651      DX 1242.848      DY -2581.220
        Class Stake out      DZ -2396.887      Code 20651
        Obs L1 Fixed         H.pr 0.021      V.pr 0.031

GPSQC1 NM Min SVs           8                PDOP max 2.1
        Relative DOPs Yes    HDOP max 1.2
        Total GPS pos 6      VDOP max 1.8
        Monitor status Not monitored RMS 14.6
        Horz SD              Vert SD
        Start wk 1575 sec 505036.0 End wk 1575 sec 505041.0

GPSQC2 NM Ttl satellites 8      Err Scale 0.004429637
        VCV xx 0.0000023264 VCV xy 0.0000007818
        VCV xz -0.0000005036 VCV yy 0.0000102931
        VCV yz 0.000001499 VCV zz 0.0000020813

PT DGN SO Name              20651          To the Point

GRID D SO Delta N           0.299          Delta E -0.096
        Delta Elv 0.002

GPSVEC SO Point ID 520650      DX 1223.871      DY -2605.864
        Class Stake out      DZ -2435.724      Code 20650
        Obs L1 Fixed         H.pr 0.024      V.pr 0.036

GPSQC1 NM Min SVs           8                PDOP max 1.5
        Relative DOPs Yes    HDOP max 0.8
        Total GPS pos 6      VDOP max 1.2
        Monitor status Not monitored RMS 17.8
        Horz SD              Vert SD
        Start wk 1575 sec 505076.0 End wk 1575 sec 505081.0

GPSQC2 NM Ttl satellites 8      Err Scale 0.0055487673
        VCV xx 0.0000028686 VCV xy 0.0000011024
        VCV xz -0.0000004585 VCV yy 0.0000144166
        VCV yz 0.0000015426 VCV zz 0.0000023546

PT DGN SO Name              20650          To the Point

GRID D SO Delta N           0.018          Delta E -0.041
        Delta Elv -0.089

GPSVEC SO Point ID 520649      DX 1204.964      DY -2630.649
        Class Stake out      DZ -2474.955      Code 20649
        Obs L1 Fixed         H.pr 0.032      V.pr 0.048

GPSQC1 NM Min SVs           8                PDOP max 2.1
        Relative DOPs Yes    HDOP max 1.2
        Total GPS pos 6      VDOP max 1.7
        Monitor status Not monitored RMS 19.9
        Horz SD              Vert SD
        Start wk 1575 sec 505131.0 End wk 1575 sec 505136.0

GPSQC2 NM Ttl satellites 8      Err Scale 0.0068022893
        VCV xx 0.0000053146 VCV xy 0.0000014941
        VCV xz -0.0000009897 VCV yy 0.000024322
        VCV yz 0.0000025694 VCV zz 0.0000044735

PT DGN SO Name              20649          To the Point
    
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GRID D SO Delta N      0.112          Delta E      -0.111
        Delta Elv    -0.026

GPSVEEC SO Point ID 520648      DX  1185.916      DY  -2655.250
        Class Stake out      DZ  -2513.950      Code 20648
        Obs L1 Fixed          H.pr 0.026          V.pr 0.043

GPSQC1 NM Min SVs          9          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos 6        VDOP max  1.3
        Monitor status Not monitored RMS      22.5
        Horz SD              Vert SD
        Start wk 1575 sec 505173.0 End wk 1575 sec 505178.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0064725112
        VCV xx 0.0000034246      VCV xy 0.0000006867
        VCV xz -0.0000005102      VCV yy 0.0000158756
        VCV yz 0.0000014898      VCV zz 0.0000031642

PT DGN SO Name          20648          To the Point

GRID D SO Delta N      -0.047          Delta E      0.026
        Delta Elv    -0.017

GPSVEEC SO Point ID 520647      DX  1167.064      DY  -2680.096
        Class Stake out      DZ  -2553.046      Code 20647
        Obs L1 Fixed          H.pr 0.029          V.pr 0.047

GPSQC1 NM Min SVs          9          PDOP max  1.3
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos 6        VDOP max  1.1
        Monitor status Not monitored RMS      18.1
        Horz SD              Vert SD
        Start wk 1575 sec 505217.0 End wk 1575 sec 505222.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0082762558
        VCV xx 0.0000066691      VCV xy 0.0000023395
        VCV xz -0.0000009873      VCV yy 0.0000181932
        VCV yz 0.0000026603      VCV zz 0.0000065145

PT DGN SO Name          20647          To the Point

GRID D SO Delta N      -0.042          Delta E      -0.120
        Delta Elv    -0.061

GPSVEEC SO Point ID 520646      DX  1147.915      DY  -2704.714
        Class Stake out      DZ  -2592.183      Code 20646
        Obs L1 Fixed          H.pr 0.023          V.pr 0.038

GPSQC1 NM Min SVs          9          PDOP max  1.3
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos 6        VDOP max  1.1
        Monitor status Not monitored RMS      16.9
        Horz SD              Vert SD
        Start wk 1575 sec 505263.0 End wk 1575 sec 505268.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0066999346
        VCV xx 0.0000042854      VCV xy 0.0000015722
        VCV xz -0.0000007541      VCV yy 0.0000122436
        VCV yz 0.0000018934      VCV zz 0.0000040082

PT DGN SO Name          20646          To the Point

GRID D SO Delta N      -0.052          Delta E      0.100
        Delta Elv    -0.014

SURVEY KI Elev mask 13          PDOP mask 6.0

SURVEY KI Elev mask 13          PDOP mask 6.0

SURVEY KI Elev mask 13          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 1575
        Init type On the fly      seconds 505619.0
        Init counter 1          Point ID <no text>
        Survey type Real Time      Plate H.Distance <null>
        Plate V.Distance <null>      Plate azimuth <null>

EQUIP NM Receiver 5800          Serial no 4516148184
        Antenna R8/5800/SPS78x Internal
        Meas To Bottom of antenna mount
        Tape adj 0.000          Serial no <no text>
        H.Offset 0.000          V.Offset 0.213
    
```

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NOTE    NM Receiver firmware version=2.310

GPSANT  KI Antenna ht 6.890                      Measuremt Uncorrected

GPSVEC  SO Point ID 520646CHK    DX  1147.946    DY  -2704.732
        Class Stake out        DZ  -2592.228    Code 520646
        Obs L1 Fixed           H.pr 0.017    V.pr 0.032

GPSQC1  NM Min SVs            10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6       VDOP max 1.0
        Monitor status Not monitored RMS 13.1
        Horz SD                Vert SD
        Start wk 1575 sec 505691.0 End wk 1575 sec 505696.0

GPSQC2  NM Ttl satellites 10                Err Scale 0.0058872327
        VCV xx 0.0000043911    VCV xy 0.0000018625
        VCV xz -0.0000010039   VCV yy 0.0000060941
        VCV yz 0.0000007086    VCV zz 0.0000031077

PT DGN  SO Name                520646                To the Point

GRID D  SO Delta N            0.039                Delta E -0.035
        Delta Elv            0.024

GPSVEC  SO Point ID 520645    DX  1128.969    DY  -2729.436
        Class Stake out        DZ  -2631.286    Code 20645
        Obs L1 Fixed           H.pr 0.022    V.pr 0.040

GPSQC1  NM Min SVs            10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6       VDOP max 1.0
        Monitor status Not monitored RMS 25.2
        Horz SD                Vert SD
        Start wk 1575 sec 505738.0 End wk 1575 sec 505743.0

GPSQC2  NM Ttl satellites 10                Err Scale 0.0073309257
        VCV xx 0.0000067965    VCV xy 0.0000028135
        VCV xz -0.000001473    VCV yy 0.000009663
        VCV yz 0.0000009419    VCV zz 0.0000046096

PT DGN  SO Name                20645                To the Point

GRID D  SO Delta N            -0.085                Delta E 0.093
        Delta Elv            0.004

GPSVEC  SO Point ID 520644    DX  1109.978    DY  -2754.243
        Class Stake out        DZ  -2670.436    Code 20644
        Obs L1 Fixed           H.pr 0.021    V.pr 0.037

GPSQC1  NM Min SVs            10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6       VDOP max 1.0
        Monitor status Not monitored RMS 17.8
        Horz SD                Vert SD
        Start wk 1575 sec 505782.0 End wk 1575 sec 505787.0

GPSQC2  NM Ttl satellites 10                Err Scale 0.0069356319
        VCV xx 0.0000054388    VCV xy 0.0000025902
        VCV xz -0.000000953    VCV yy 0.0000096629
        VCV yz 0.0000008923    VCV zz 0.0000037444

PT DGN  SO Name                20644                To the Point

GRID D  SO Delta N            -0.023                Delta E 0.090
        Delta Elv            -0.027

NOTE    TS Time Date 03/19/2010 Time 13:30:12

GPSVEC  SO Point ID 520643    DX  1091.048    DY  -2778.927
        Class Stake out        DZ  -2709.586    Code 20643
        Obs L1 Fixed           H.pr 0.023    V.pr 0.042

GPSQC1  NM Min SVs            10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6       VDOP max 1.0
        Monitor status Not monitored RMS 20.6
        Horz SD                Vert SD
        Start wk 1575 sec 505821.0 End wk 1575 sec 505826.0

GPSQC2  NM Ttl satellites 10                Err Scale 0.0077771591
        VCV xx 0.0000071209    VCV xy 0.0000036783
        VCV xz -0.0000015168   VCV yy 0.0000123302
        VCV yz 0.0000010221    VCV zz 0.0000042268

PT DGN  SO Name                20643                To the Point

GRID D  SO Delta N            -0.042                Delta E 0.083
        Delta Elv            0.053

GPSVEC  SO Point ID 520642    DX  1072.052    DY  -2803.668
        Class Stake out        DZ  -2748.678    Code 20642
        Obs L1 Fixed           H.pr 0.019    V.pr 0.035

GPSQC1  NM Min SVs            10                PDOP max 1.7
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 5       VDOP max 1.5
        Monitor status Not monitored RMS 17.1
        Horz SD                Vert SD
        Start wk 1575 sec 505863.0 End wk 1575 sec 505868.0
    
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GPSQC2 NM Ttl satellites 10 Err Scale 0.0059732301
VCV xx 0.0000051489 VCV xy 0.0000024733
VCV xz -0.0000011599 VCV yy 0.0000080918
VCV yz 0.0000005749 VCV zz 0.0000030365

PT DGN SO Name 20642 To the Point

GRID D SO Delta N -0.060 Delta E 0.113
Delta Elv 0.034

GPSVEC SO Point ID 520641 DX 1053.449 DY -2828.210
Class Stake out DZ -2788.145 Code 20641
Obs L1 Fixed H.pr 0.021 V.pr 0.038

GPSQC1 NM Min SVs 10 PDOP max 1.2
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 18.3
Horz SD Vert SD
Start wk 1575 sec 505908.0 End wk 1575 sec 505913.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0070480187
VCV xx 0.0000059849 VCV xy 0.0000030318
VCV xz -0.0000011888 VCV yy 0.0000095577
VCV yz 0.0000008231 VCV zz 0.0000038537

PT DGN SO Name 20641 To the Point

GRID D SO Delta N 0.018 Delta E -0.131
Delta Elv -0.016

GPSVEC SO Point ID 520664 DX 1008.770 DY -2803.100
Class Stake out DZ -2782.409 Code 20664
Obs L1 Fixed H.pr 0.023 V.pr 0.042

GPSQC1 NM Min SVs 10 PDOP max 1.2
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 22.5
Horz SD Vert SD
Start wk 1575 sec 505955.0 End wk 1575 sec 505960.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0078708353
VCV xx 0.0000084089 VCV xy 0.000003392
VCV xz -0.0000020292 VCV yy 0.0000107873
VCV yz 0.0000004202 VCV zz 0.0000049489

PT DGN SO Name 20664 To the Point

GRID D SO Delta N 0.009 Delta E 0.140
Delta Elv -0.013

GPSVEC SO Point ID 520663 DX 1025.649 DY -2777.926
Class Stake out DZ -2742.422 Code 20663
Obs L1 Fixed H.pr 0.025 V.pr 0.046

GPSQC1 NM Min SVs 10 PDOP max 1.2
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 27.1
Horz SD Vert SD
Start wk 1575 sec 505999.0 End wk 1575 sec 506004.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0085362392
VCV xx 0.0000086802 VCV xy 0.0000046524
VCV xz -0.0000017479 VCV yy 0.0000143782
VCV yz 0.000000836 VCV zz 0.0000052851

PT DGN SO Name 20663 To the Point

GRID D SO Delta N -0.098 Delta E -0.020
Delta Elv -0.024

GPSVEC SO Point ID 520662 DX 1043.201 DY -2753.087
Class Stake out DZ -2702.798 Code 20662
Obs L1 Fixed H.pr 0.022 V.pr 0.040

GPSQC1 NM Min SVs 10 PDOP max 1.6
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 21.9
Horz SD Vert SD
Start wk 1575 sec 506046.0 End wk 1575 sec 506051.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0068014525
VCV xx 0.0000066357 VCV xy 0.0000034869
VCV xz -0.0000014886 VCV yy 0.0000105202
VCV yz 0.0000006583 VCV zz 0.0000037856

PT DGN SO Name 20662 To the Point

GRID D SO Delta N -0.026 Delta E -0.002
Delta Elv -0.015

GPSVEC SO Point ID 520661 DX 1062.526 DY -2728.588
Class Stake out DZ -2663.794 Code 20661
Obs L1 Fixed H.pr 0.020 V.pr 0.037
    
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GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.0
          Monitor status Not monitored RMS        18.8
          Horz SD
          Start wk 1575 sec 506086.0 End wk 1575 sec 506091.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.006931148
          VCV xx      0.0000060435 VCV xy    0.0000029242
          VCV xz     -0.0000014174 VCV yy    0.0000087765
          VCV yz      0.0000006623 VCV zz    0.0000037788

PT DGN SO Name          20661          To the Point

GRID D SO Delta N      0.058          Delta E      -0.030
          Delta Elv    -0.019

GPSVEC SO Point ID 520660 DX 1081.947 DY -2704.089
          Class Stake out DZ -2624.721 Code 20660
          Obs L1 Fixed H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.0
          Monitor status Not monitored RMS        16.3
          Horz SD
          Start wk 1575 sec 506141.0 End wk 1575 sec 506146.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0067220675
          VCV xx      0.0000055867 VCV xy    0.0000027573
          VCV xz     -0.0000012825 VCV yy    0.000000837
          VCV yz      0.0000005981 VCV zz    0.0000034758

PT DGN SO Name          20660          To the Point

GRID D SO Delta N      0.060          Delta E      -0.146
          Delta Elv    -0.031

GPSVEC SO Point ID 520659 DX 1101.233 DY -2679.447
          Class Stake out DZ -2585.631 Code 20659
          Obs L1 Fixed H.pr 0.020 V.pr 0.036

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.0
          Monitor status Not monitored RMS        22.1
          Horz SD
          Start wk 1575 sec 506187.0 End wk 1575 sec 506192.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0066797133
          VCV xx      0.0000056043 VCV xy    0.000002609
          VCV xz     -0.0000016959 VCV yy    0.0000078704
          VCV yz      0.0000007545 VCV zz    0.0000036835

PT DGN SO Name          20659          To the Point

GRID D SO Delta N      0.008          Delta E      -0.081
          Delta Elv    0.005

GPSVEC SO Point ID 520658 DX 1120.602 DY -2654.941
          Class Stake out DZ -2546.712 Code 20658
          Obs L1 Fixed H.pr 0.025 V.pr 0.046

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.0
          Monitor status Not monitored RMS        29.6
          Horz SD
          Start wk 1575 sec 506258.0 End wk 1575 sec 506263.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0086086402
          VCV xx      0.0000096035 VCV xy    0.0000047849
          VCV xz     -0.000002181 VCV yy    0.0000122432
          VCV yz      0.0000007956 VCV zz    0.0000064961

PT DGN SO Name          20658          To the Point

GRID D SO Delta N      0.144          Delta E      -0.149
          Delta Elv    0.070

GPSVEC SO Point ID 520657 DX 1139.818 DY -2630.144
          Class Stake out DZ -2507.404 Code 20657
          Obs L1 Fixed H.pr 0.020 V.pr 0.037

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.0
          Monitor status Not monitored RMS        22.3
          Horz SD
          Start wk 1575 sec 506298.0 End wk 1575 sec 506303.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0069684652
          VCV xx      0.0000064667 VCV xy    0.0000036177
          VCV xz     -0.000001555 VCV yy    0.0000083076
          VCV yz      0.0000001984 VCV zz    0.0000037349

PT DGN SO Name          20657          To the Point

GRID D SO Delta N      -0.149          Delta E      0.047
          Delta Elv    0.067
    
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GPSVEC SO Point ID 520656      DX  1159.090      DY  -2605.563
        Class Stake out      DZ  -2468.368      Code 20656
        Obs L1 Fixed         H.pr 0.025        V.pr 0.046

GPSQC1 NM Min SVs           10                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 31.1
        Horz SD                Vert SD
        Start wk 1575 sec 506356.0 End wk 1575 sec 506361.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0085843364
        VCV xx 0.0000096606     VCV xy 0.0000046074
        VCV xz -0.0000022088    VCV yy 0.000012289
        VCV yz 0.0000002285     VCV zz 0.0000059931

PT DGN SO Name                20656          To the Point

GRID D SO Delta N             -0.122         Delta E 0.100
        Delta Elv 0.086

GPSVEC SO Point ID 520655      DX  1178.480      DY  -2581.154
        Class Stake out      DZ  -2429.371      Code 20655
        Obs L1 Fixed         H.pr 0.021        V.pr 0.037

GPSQC1 NM Min SVs           9                PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 17.0
        Horz SD                Vert SD
        Start wk 1575 sec 506410.0 End wk 1575 sec 506415.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.006868476
        VCV xx 0.000006209     VCV xy 0.0000029155
        VCV xz -0.0000008186    VCV yy 0.0000079854
        VCV yz 0.000000301     VCV zz 0.0000049782

PT DGN SO Name                20655          To the Point

GRID D SO Delta N             -0.002         Delta E -0.029
        Delta Elv 0.042

GPSVEC SO Point ID 520654      DX  1197.767      DY  -2556.592
        Class Stake out      DZ  -2390.143      Code 20654
        Obs L1 Fixed         H.pr 0.024        V.pr 0.040

GPSQC1 NM Min SVs           8                PDOP max 1.8
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 5        VDOP max 1.6
        Monitor status Not monitored RMS 19.1
        Horz SD                Vert SD
        Start wk 1575 sec 506466.0 End wk 1575 sec 506471.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0062919674
        VCV xx 0.000007177     VCV xy 0.0000039509
        VCV xz -0.000000226     VCV yy 0.0000088716
        VCV yz 0.0000003208     VCV zz 0.0000059163

PT DGN SO Name                20654          To the Point

GRID D SO Delta N             -0.124         Delta E 0.003
        Delta Elv -0.063

GPSVEC SO Point ID 520653      DX  1217.130      DY  -2532.222
        Class Stake out      DZ  -2351.386      Code 20653
        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 10.1
        Horz SD                Vert SD
        Start wk 1575 sec 506509.0 End wk 1575 sec 506514.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0060869851
        VCV xx 0.0000052361     VCV xy 0.0000027582
        VCV xz -0.0000003084    VCV yy 0.0000074802
        VCV yz 0.0000004225     VCV zz 0.000004911

PT DGN SO Name                20653          To the Point

GRID D SO Delta N             0.217          Delta E -0.119
        Delta Elv -0.003

GPSVEC SO Point ID 520675      DX  1156.227      DY  -2531.918
        Class Stake out      DZ  -2385.641      Code 20675
        Obs L1 Fixed         H.pr 0.028        V.pr 0.046

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 1575 sec 506644.0 End wk 1575 sec 506649.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.007937979
        VCV xx 0.0000088759     VCV xy 0.0000049269
        VCV xz -0.000000562     VCV yy 0.0000131689
        VCV yz 0.0000005072     VCV zz 0.0000079194

PT DGN SO Name                20675          To the Point
    
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GRID D	SO	Delta N	-0.042	Delta E	-0.137
		Delta Elv	-0.010		
GPSVEC	SO	Point ID 520673	DX 1118.229	DY	-2581.370
		Class Stake out	DZ -2463.855	Code	20673
		Obs L1 Fixed	H.pr 0.024	V.pr	0.061
GPSQC1	NM	Min SVs	6	PDOP max	4.3
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	4.0
		Monitor status	Not monitored	RMS	15.9
		Horz SD		Vert SD	
		Start wk 1575 sec 507335.0		End wk 1575 sec 507340.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0037424364
		VCV xx	0.0000190007	VCV xy	0.0000162166
		VCV xz	-0.0000086788	VCV yy	0.0000182437
		VCV yz	-0.0000078008	VCV zz	0.0000065141
PT DGN	SO	Name	20673	To the Point	
GRID D	SO	Delta N	-0.051	Delta E	-0.206
		Delta Elv	0.027		
GPSVEC	SO	Point ID 520672	DX 1098.853	DY	-2606.044
		Class Stake out	DZ -2503.034	Code	20672
		Obs L1 Fixed	H.pr 0.023	V.pr	0.060
GPSQC1	NM	Min SVs	6	PDOP max	4.4
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	4.1
		Monitor status	Not monitored	RMS	11.7
		Horz SD		Vert SD	
		Start wk 1575 sec 507376.0		End wk 1575 sec 507381.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0036488411
		VCV xx	0.0000189211	VCV xy	0.0000158843
		VCV xz	-0.0000091963	VCV yy	0.0000165747
		VCV yz	-0.000007623	VCV zz	0.0000067798
PT DGN	SO	Name	20672	To the Point	
GRID D	SO	Delta N	0.071	Delta E	0.122
		Delta Elv	-0.003		
GPSVEC	SO	Point ID 520671	DX 1079.747	DY	-2630.788
		Class Stake out	DZ -2542.081	Code	20671
		Obs L1 Fixed	H.pr 0.027	V.pr	0.069
GPSQC1	NM	Min SVs	6	PDOP max	4.4
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	4.1
		Monitor status	Not monitored	RMS	23.8
		Horz SD		Vert SD	
		Start wk 1575 sec 507420.0		End wk 1575 sec 507425.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0041774358
		VCV xx	0.0000257377	VCV xy	0.0000211369
		VCV xz	-0.0000121031	VCV yy	0.000021705
		VCV yz	-0.0000102484	VCV zz	0.000008851
PT DGN	SO	Name	20671	To the Point	
GRID D	SO	Delta N	0.055	Delta E	0.176
		Delta Elv	-0.069		
GPSVEC	SO	Point ID 520670	DX 1061.081	DY	-2655.724
		Class Stake out	DZ -2581.208	Code	20670
		Obs L1 Fixed	H.pr 0.033	V.pr	0.085
GPSQC1	NM	Min SVs	6	PDOP max	4.4
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	4.2
		Monitor status	Not monitored	RMS	22.6
		Horz SD		Vert SD	
		Start wk 1575 sec 507490.0		End wk 1575 sec 507495.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0051109688
		VCV xx	0.0000386573	VCV xy	0.0000326801
		VCV xz	-0.0000189424	VCV yy	0.0000336948
		VCV yz	-0.0000162785	VCV zz	0.0000137477
PT DGN	SO	Name	20670	To the Point	
GRID D	SO	Delta N	0.093	Delta E	-0.249
		Delta Elv	-0.079		
GPSVEC	SO	Point ID 520669	DX 1042.018	DY	-2680.009
		Class Stake out	DZ -2619.785	Code	20669
		Obs L1 Fixed	H.pr 0.035	V.pr	0.092
GPSQC1	NM	Min SVs	6	PDOP max	4.5
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	4.2
		Monitor status	Not monitored	RMS	17.9
		Horz SD		Vert SD	
		Start wk 1575 sec 507567.0		End wk 1575 sec 507572.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0054516718
		VCV xx	0.0000426179	VCV xy	0.0000376693
		VCV xz	-0.000021023	VCV yy	0.0000413923
		VCV yz	-0.0000192077	VCV zz	0.0000157545

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PT DGN SO Name 20669 To the Point
GRID D SO Delta N -0.557 Delta E -0.036
Delta Elv -0.072
NOTE TS Time Date 03/19/2010 Time 14:01:32
GPSVEC SO Point ID 520667 DX 1003.822 DY -2729.653
Class Stake out DZ -2698.468 Code 20667
Obs L1 Fixed H.pr 0.022 V.pr 0.059
GPSQC1 NM Min SVs 6 PDOP max 4.5
Relative DOPs Yes HDOP max 1.6
Total GPS pos 6 VDOP max 4.2
Monitor status Not monitored RMS 8.5
Horz SD Vert SD
Start wk 1575 sec 507698.0 End wk 1575 sec 507703.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0034642778
VCV xx 0.0000172921 VCV xy 0.0000155301
VCV xz -0.0000093265 VCV yy 0.0000167684
VCV yz -0.0000083499 VCV zz 0.000006913
PT DGN SO Name 20667 To the Point
GRID D SO Delta N -0.035 Delta E -0.009
Delta Elv 0.032
GPSVEC SO Point ID 520666 DX 985.120 DY -2754.324
Class Stake out DZ -2737.339 Code 20666
Obs L1 Fixed H.pr 0.057 V.pr 0.154
GPSQC1 NM Min SVs 6 PDOP max 4.5
Relative DOPs Yes HDOP max 1.6
Total GPS pos 6 VDOP max 4.2
Monitor status Not monitored RMS 32.8
Horz SD Vert SD
Start wk 1575 sec 507743.0 End wk 1575 sec 507748.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0090477588
VCV xx 0.0001143875 VCV xy 0.0001049017
VCV xz -0.0000602899 VCV yy 0.0001194262
VCV yz -0.0000576375 VCV zz 0.0000461139
PT DGN SO Name 20666 To the Point
GRID D SO Delta N -0.335 Delta E -0.289
Delta Elv -0.058
GPSVEC SO Point ID 520665 DX 965.970 DY -2778.356
Class Stake out DZ -2777.252 Code 20665
Obs L1 Fixed H.pr 0.029 V.pr 0.080
GPSQC1 NM Min SVs 6 PDOP max 4.5
Relative DOPs Yes HDOP max 1.6
Total GPS pos 6 VDOP max 4.2
Monitor status Not monitored RMS 17.6
Horz SD Vert SD
Start wk 1575 sec 507787.0 End wk 1575 sec 507792.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0046737045
VCV xx 0.0000309998 VCV xy 0.000028301
VCV xz -0.000016928 VCV yy 0.0000309089
VCV yz -0.0000154269 VCV zz 0.0000127425
PT DGN SO Name 20665 To the Point
GRID D SO Delta N -0.018 Delta E 0.106
Delta Elv 0.025
GPSVEC SO Point ID 520684 DX 921.610 DY -2752.837
Class Stake out DZ -2772.105 Code 20684
Obs L1 Fixed H.pr 0.027 V.pr 0.074
GPSQC1 NM Min SVs 6 PDOP max 4.5
Relative DOPs Yes HDOP max 1.6
Total GPS pos 6 VDOP max 4.2
Monitor status Not monitored RMS 7.9
Horz SD Vert SD
Start wk 1575 sec 507840.0 End wk 1575 sec 507845.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0043670405
VCV xx 0.0000267337 VCV xy 0.0000246369
VCV xz -0.0000151346 VCV yy 0.0000269302
VCV yz -0.0000139398 VCV zz 0.0000112877
PT DGN SO Name 20684 To the Point
GRID D SO Delta N 0.135 Delta E 0.381
Delta Elv -0.041
GPSVEC SO Point ID 520683 DX 940.623 DY -2728.442
Class Stake out DZ -2732.903 Code 20683
Obs L1 Fixed H.pr 0.035 V.pr 0.096
GPSQC1 NM Min SVs 6 PDOP max 3.2
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 3.0
Monitor status Not monitored RMS 16.4
Horz SD Vert SD
Start wk 1575 sec 507900.0 End wk 1575 sec 507905.0

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GPSQC2 NM Ttl satellites 6 Err Scale 0.0060826116
VCV xx 0.0000434087 VCV xy 0.000040284
VCV xz -0.0000245207 VCV yy 0.0000450712
VCV yz -0.0000232256 VCV zz 0.0000187296

PT DGN SO Name 20683 To the Point

GRID D SO Delta N 0.243 Delta E 0.207
Delta Elv -0.046

GPSVEC SO Point ID 520682 DX 959.897 DY -2703.598
Class Stake out DZ -2693.658 Code 20682
Obs L1 Fixed H.pr 0.031 V.pr 0.086

GPSQC1 NM Min SVs 6 PDOP max 3.2
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 3.0
Monitor status Not monitored RMS 11.4
Horz SD Vert SD
Start wk 1575 sec 507947.0 End wk 1575 sec 507952.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0054684421
VCV xx 0.0000338589 VCV xy 0.0000323995
VCV xz -0.0000197611 VCV yy 0.0000371721
VCV yz -0.0000189059 VCV zz 0.0000148957

PT DGN SO Name 20682 To the Point

GRID D SO Delta N 0.010 Delta E -0.012
Delta Elv 0.035

GPSVEC SO Point ID 520681 DX 978.663 DY -2678.984
Class Stake out DZ -2654.680 Code 20681
Obs L1 Fixed H.pr 0.042 V.pr 0.114

GPSQC1 NM Min SVs 6 PDOP max 3.2
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 3.0
Monitor status Not monitored RMS 14.2
Horz SD Vert SD
Start wk 1575 sec 508005.0 End wk 1575 sec 508010.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0073099299
VCV xx 0.0000604692 VCV xy 0.0000573354
VCV xz -0.0000358305 VCV yy 0.0000637985
VCV yz -0.0000340869 VCV zz 0.0000272366

PT DGN SO Name 20681 To the Point

GRID D SO Delta N 0.244 Delta E 0.130
Delta Elv -0.070

GPSVEC SO Point ID 520680 DX 997.881 DY -2654.158
Class Stake out DZ -2615.377 Code 20680
Obs L1 Fixed H.pr 0.021 V.pr 0.058

GPSQC1 NM Min SVs 6 PDOP max 3.1
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 2.9
Monitor status Not monitored RMS 11.9
Horz SD Vert SD
Start wk 1575 sec 508053.0 End wk 1575 sec 508058.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0037519282
VCV xx 0.0000155396 VCV xy 0.0000148782
VCV xz -0.0000093271 VCV yy 0.0000167023
VCV yz -0.00000897 VCV zz 0.0000071382

PT DGN SO Name 20680 To the Point

GRID D SO Delta N -0.011 Delta E -0.046
Delta Elv -0.057

GPSVEC SO Point ID 520679 DX 1016.548 DY -2629.410
Class Stake out DZ -2576.442 Code 20679
Obs L1 Fixed H.pr 0.021 V.pr 0.057

GPSQC1 NM Min SVs 6 PDOP max 4.4
Relative DOPs Yes HDOP max 1.5
Total GPS pos 6 VDOP max 4.1
Monitor status Not monitored RMS 8.8
Horz SD Vert SD
Start wk 1575 sec 508092.0 End wk 1575 sec 508097.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0034241015
VCV xx 0.0000147953 VCV xy 0.0000142583
VCV xz -0.0000089715 VCV yy 0.0000160827
VCV yz -0.0000086935 VCV zz 0.0000069097

PT DGN SO Name 20679 To the Point

GRID D SO Delta N 0.212 Delta E 0.243
Delta Elv -0.072

GPSVEC SO Point ID 520678 DX 1035.562 DY -2604.542
Class Stake out DZ -2537.270 Code 20678
Obs L1 Fixed H.pr 0.016 V.pr 0.043

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GPSQC1 NM Min SVs 6 PDOP max 4.4  
 Relative DOPs Yes HDOP max 1.5  
 Total GPS pos 6 VDOP max 4.1  
 Monitor status Not monitored RMS 7.9  
 Horz SD Vert SD  
 Start wk 1575 sec 508132.0 End wk 1575 sec 508137.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0025812369  
 VCV xx 0.0000082352 VCV xy 0.0000079921  
 VCV xz -0.0000050648 VCV yy 0.0000090348  
 VCV yz -0.0000049266 VCV zz 0.0000039045

PT DGN SO Name 20678 To the Point

GRID D SO Delta N 0.092 Delta E 0.269  
 Delta Elv -0.021

GPSVEC SO Point ID 520677 DX 1054.984 DY -2579.868  
 Class Stake out DZ -2497.979 Code 20677  
 Obs L1 Fixed H.pr 0.026 V.pr 0.071

GPSQC1 NM Min SVs 6 PDOP max 4.3  
 Relative DOPs Yes HDOP max 1.5  
 Total GPS pos 6 VDOP max 4.1  
 Monitor status Not monitored RMS 11.4  
 Horz SD Vert SD  
 Start wk 1575 sec 508174.0 End wk 1575 sec 508179.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0043728338  
 VCV xx 0.0000230365 VCV xy 0.0000225191  
 VCV xz -0.0000143202 VCV yy 0.0000256385  
 VCV yz -0.0000140557 VCV zz 0.0000111246

PT DGN SO Name 20677 To the Point

GRID D SO Delta N -0.125 Delta E -0.156  
 Delta Elv -0.043

GPSVEC SO Point ID 520697 DX 1134.542 DY -2483.030  
 Class Stake out DZ -2341.998 Code 20697  
 Obs L1 Fixed H.pr 0.022 V.pr 0.058

GPSQC1 NM Min SVs 6 PDOP max 3.0  
 Relative DOPs Yes HDOP max 1.0  
 Total GPS pos 6 VDOP max 2.8  
 Monitor status Not monitored RMS 17.0  
 Horz SD Vert SD  
 Start wk 1575 sec 508273.0 End wk 1575 sec 508278.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0039170473  
 VCV xx 0.0000148482 VCV xy 0.0000147643  
 VCV xz -0.0000094744 VCV yy 0.0000170914  
 VCV yz -0.0000094744 VCV zz 0.0000074759

PT DGN SO Name 20697 To the Point

GRID D SO Delta N -0.110 Delta E 0.158  
 Delta Elv -0.047

GPSVEC SO Point ID 520699 DX 1102.442 DY -2465.794  
 Class Stake out DZ -2337.332 Code 20699  
 Obs L1 Fixed H.pr 0.048 V.pr 0.128

GPSQC1 NM Min SVs 6 PDOP max 3.0  
 Relative DOPs Yes HDOP max 1.0  
 Total GPS pos 6 VDOP max 2.8  
 Monitor status Not monitored RMS 7.6  
 Horz SD Vert SD  
 Start wk 1575 sec 508327.0 End wk 1575 sec 508332.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0087597361  
 VCV xx 0.0000714219 VCV xy 0.0000717955  
 VCV xz -0.0000460209 VCV yy 0.0000839838  
 VCV yz -0.000046541 VCV zz 0.0000366881

PT DGN SO Name 20699 To the Point

GRID D SO Delta N -0.115 Delta E -0.109  
 Delta Elv 0.063

GPSVEC SO Point ID 520700 DX 1075.282 DY -2485.782  
 Class Stake out DZ -2375.456 Code 20700  
 Obs L1 Fixed H.pr 0.017 V.pr 0.046

GPSQC1 NM Min SVs 6 PDOP max 2.9  
 Relative DOPs Yes HDOP max 1.0  
 Total GPS pos 6 VDOP max 2.7  
 Monitor status Not monitored RMS 9.0  
 Horz SD Vert SD  
 Start wk 1575 sec 508393.0 End wk 1575 sec 508398.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0031895768  
 VCV xx 0.0000090165 VCV xy 0.0000091417  
 VCV xz -0.0000059166 VCV yy 0.0000107898  
 VCV yz -0.0000060697 VCV zz 0.0000048205

PT DGN SO Name 20700 To the Point

GRID D SO Delta N -0.208 Delta E 0.426  
 Delta Elv 0.059

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GPSVEC SO Point ID 520696      DX  1109.342      DY  -2504.088
        Class Stake out      DZ  -2380.541      Code 20696
        Obs L1 Fixed         H.pr 0.024        V.pr 0.064

GPSQC1 NM Min SVs           6                PDOP max  4.1
        Relative DOPs Yes      HDOP max  1.4
        Total GPS pos 6        VDOP max  3.8
        Monitor status Not monitored RMS        14.9
        Horz SD                Vert SD
        Start wk 1575 sec 508430.0 End wk 1575 sec 508435.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0041980143
        VCV xx  0.0000177327    VCV xy  0.0000181129
        VCV xz  -0.0000117293    VCV yy  0.0000215154
        VCV yz  -0.0000120732    VCV zz  0.0000095402

PT DGN SO Name                20696          To the Point

GRID D SO Delta N              0.000          Delta E    0.038
        Delta Elv            0.031

GPSVEC SO Point ID 520695      DX  1084.286      DY  -2525.147
        Class Stake out      DZ  -2418.851      Code 20695
        Obs L1 Fixed         H.pr 0.038        V.pr 0.100

GPSQC1 NM Min SVs           6                PDOP max  4.0
        Relative DOPs Yes      HDOP max  1.4
        Total GPS pos 6        VDOP max  3.8
        Monitor status Not monitored RMS        9.1
        Horz SD                Vert SD
        Start wk 1575 sec 508466.0 End wk 1575 sec 508471.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0066117872
        VCV xx  0.0000428525    VCV xy  0.0000439749
        VCV xz  -0.0000286328    VCV yy  0.0000523963
        VCV yz  -0.0000295918    VCV zz  0.0000234191

PT DGN SO Name                20695          To the Point

GRID D SO Delta N              -0.113         Delta E    -0.212
        Delta Elv            0.020

GPSVEC SO Point ID 520701      DX  1048.883      DY  -2506.217
        Class Stake out      DZ  -2413.746      Code 20701
        Obs L1 Fixed         H.pr 0.018        V.pr 0.046

GPSQC1 NM Min SVs           6                PDOP max  2.8
        Relative DOPs Yes      HDOP max  1.0
        Total GPS pos 6        VDOP max  2.6
        Monitor status Not monitored RMS        9.6
        Horz SD                Vert SD
        Start wk 1575 sec 508510.0 End wk 1575 sec 508515.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0033040536
        VCV xx  0.0000088586    VCV xy  0.0000091509
        VCV xz  -0.0000059849    VCV yy  0.0000109867
        VCV yz  -0.0000062342    VCV zz  0.0000049451

PT DGN SO Name                20701          To the Point

GRID D SO Delta N              -0.123         Delta E    0.080
        Delta Elv            0.086

GPSVEC SO Point ID 520702      DX  1022.663      DY  -2526.438
        Class Stake out      DZ  -2451.605      Code 20702
        Obs L1 Fixed         H.pr 0.030        V.pr 0.076

GPSQC1 NM Min SVs           6                PDOP max  2.8
        Relative DOPs Yes      HDOP max  1.0
        Total GPS pos 6        VDOP max  2.6
        Monitor status Not monitored RMS        4.9
        Horz SD                Vert SD
        Start wk 1575 sec 508566.0 End wk 1575 sec 508571.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0056156898
        VCV xx  0.0000244443    VCV xy  0.000025505
        VCV xz  -0.0000166974    VCV yy  0.00003099
        VCV yz  -0.0000175623    VCV zz  0.0000139183

PT DGN SO Name                20702          To the Point

GRID D SO Delta N              -0.546         Delta E    -0.334
        Delta Elv            0.076

GPSVEC SO Point ID 520694      DX  1058.934      DY  -2546.011
        Class Stake out      DZ  -2457.061      Code 20694
        Obs L1 Fixed         H.pr 0.015        V.pr 0.039

GPSQC1 NM Min SVs           6                PDOP max  2.7
        Relative DOPs Yes      HDOP max  1.0
        Total GPS pos 6        VDOP max  2.6
        Monitor status Not monitored RMS        10.6
        Horz SD                Vert SD
        Start wk 1575 sec 508611.0 End wk 1575 sec 508616.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0029374792
        VCV xx  0.0000064466    VCV xy  0.0000067711
        VCV xz  -0.000004448     VCV yy  0.000008297
        VCV yz  -0.0000047116    VCV zz  0.0000037402

PT DGN SO Name                20694          To the Point
    
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GRID D	SO	Delta N	-0.336	Delta E	-0.110
		Delta Elv	-0.008		
GPSVEC	SO	Point ID 520693	DX 1033.480	DY	-2567.124
		Class Stake out	DZ -2495.846	Code	20693
		Obs L1 Fixed	H.pr 0.015	V.pr	0.038
GPSQC1	NM	Min SVs	6	PDOP max	2.7
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.5
		Monitor status	Not monitored	RMS	12.7
		Horz SD		Vert SD	
		Start wk 1575 sec	508653.0	End wk 1575 sec	508658.0
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0028759073
		VCV xx	0.000005967	VCV xy	0.0000063048
		VCV xz	-0.0000041563	VCV yy	0.0000077916
		VCV yz	-0.0000044313	VCV zz	0.0000035235
PT DGN	SO	Name	20693	To the Point	
GRID D	SO	Delta N	0.064	Delta E	-0.024
		Delta Elv	0.084		
GPSVEC	SO	Point ID 520703	DX 995.617	DY	-2547.045
		Class Stake out	DZ -2490.286	Code	20703
		Obs L1 Fixed	H.pr 0.016	V.pr	0.041
GPSQC1	NM	Min SVs	6	PDOP max	3.8
		Relative DOPs	Yes	HDOP max	1.4
		Total GPS pos	6	VDOP max	3.5
		Monitor status	Not monitored	RMS	10.9
		Horz SD		Vert SD	
		Start wk 1575 sec	508710.0	End wk 1575 sec	508715.0
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0028949536
		VCV xx	0.000006718	VCV xy	0.0000071602
		VCV xz	-0.0000047392	VCV yy	0.000008949
		VCV yz	-0.0000051025	VCV zz	0.0000040727
PT DGN	SO	Name	20703	To the Point	
GRID D	SO	Delta N	0.111	Delta E	-0.169
		Delta Elv	-0.015		
GPSVEC	SO	Point ID 520704	DX 968.994	DY	-2567.311
		Class Stake out	DZ -2528.608	Code	20704
		Obs L1 Fixed	H.pr 0.045	V.pr	0.112
GPSQC1	NM	Min SVs	6	PDOP max	2.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	2.4
		Monitor status	Not monitored	RMS	49.7
		Horz SD		Vert SD	
		Start wk 1575 sec	508759.0	End wk 1575 sec	508764.0
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0087281251
		VCV xx	0.0000505683	VCV xy	0.0000541416
		VCV xz	-0.0000361379	VCV yy	0.0000677155
		VCV yz	-0.0000389003	VCV zz	0.0000310859
PT DGN	SO	Name	20704	To the Point	
GRID D	SO	Delta N	0.189	Delta E	-0.241
		Delta Elv	0.078		
GPSVEC	SO	Point ID 520692	DX 1008.077	DY	-2588.179
		Class Stake out	DZ -2534.322	Code	20692
		Obs L1 Fixed	H.pr 0.052	V.pr	0.130
GPSQC1	NM	Min SVs	6	PDOP max	3.7
		Relative DOPs	Yes	HDOP max	1.4
		Total GPS pos	6	VDOP max	3.4
		Monitor status	Not monitored	RMS	36.6
		Horz SD		Vert SD	
		Start wk 1575 sec	508805.0	End wk 1575 sec	508810.0
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0095629618
		VCV xx	0.0000696469	VCV xy	0.0000736645
		VCV xz	-0.0000503364	VCV yy	0.0000913473
		VCV yz	-0.0000529678	VCV zz	0.000042404
PT DGN	SO	Name	20692	To the Point	
GRID D	SO	Delta N	0.170	Delta E	0.042
		Delta Elv	0.054		
GPSVEC	TP	Point ID 520691B	DX 982.501	DY	-2609.087
		Class Del stake out	DZ -2572.913	Code	20691
		Obs L1 Fixed	H.pr 0.081	V.pr	0.199
GPSQC1	NM	Min SVs	6	PDOP max	3.6
		Relative DOPs	Yes	HDOP max	1.4
		Total GPS pos	6	VDOP max	3.3
		Monitor status	Not monitored	RMS	33.0
		Horz SD		Vert SD	
		Start wk 1575 sec	508866.0	End wk 1575 sec	508871.0
GPSQC2	NM	Ttl satellites	6	Err Scale	0.014924855
		VCV xx	0.000159255	VCV xy	0.000172336
		VCV xz	-0.0001148859	VCV yy	0.000219849
		VCV yz	-0.00012399	VCV zz	0.0000983909

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PT DGN TP Name          20691          To the Point
GRID D TP Delta N      0.336          Delta E      0.327
        Delta Elv      0.141
NOTE NM Deleted 3:04:00 PM 3/19/2010
GPSVEC SO Point ID 520705      DX  941.935      DY  -2587.336
        Class Stake out      DZ  -2566.751      Code 20705
        Obs L1 Fixed          H.pr 0.037      V.pr 0.089
GPSQC1 NM Min SVs          6          PDOP max 3.5
        Relative DOPs Yes      HDOP max 1.3
        Total GPS pos 6      VDOP max 3.2
        Monitor status Not monitored      RMS 33.6
        Horz SD          Vert SD
        Start wk 1575 sec 508964.0      End wk 1575 sec 508969.0
GPSQC2 NM Ttl satellites 6      Err Scale 0.0069227149
        VCV xx 0.0000313845      VCV xy 0.0000346268
        VCV xz -0.0000231387      VCV yy 0.0000449779
        VCV yz -0.0000255116      VCV zz 0.0000204928
PT DGN SO Name          20705          To the Point
GRID D SO Delta N      0.105          Delta E      0.186
        Delta Elv      0.092
GPSVEC SO Point ID 520706      DX  915.373      DY  -2607.522
        Class Stake out      DZ  -2604.763      Code 20706
        Obs L1 Fixed          H.pr 0.063      V.pr 0.147
GPSQC1 NM Min SVs          6          PDOP max 2.4
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6      VDOP max 2.2
        Monitor status Not monitored      RMS 44.7
        Horz SD          Vert SD
        Start wk 1575 sec 509053.0      End wk 1575 sec 509058.0
GPSQC2 NM Ttl satellites 6      Err Scale 0.0126939956
        VCV xx 0.0000816789      VCV xy 0.0000930222
        VCV xz -0.0000617874      VCV yy 0.000124986
        VCV yz -0.0000712197      VCV zz 0.0000582111
PT DGN SO Name          20706          To the Point
GRID D SO Delta N      -0.126          Delta E      0.096
        Delta Elv      0.082
GPSVEC SO Point ID 520690      DX  957.788      DY  -2630.055
        Class Stake out      DZ  -2610.835      Code 20690
        Obs L1 Fixed          H.pr 0.065      V.pr 0.151
GPSQC1 NM Min SVs          6          PDOP max 3.3
        Relative DOPs Yes      HDOP max 1.3
        Total GPS pos 6      VDOP max 3.1
        Monitor status Not monitored      RMS 59.5
        Horz SD          Vert SD
        Start wk 1575 sec 509122.0      End wk 1575 sec 509127.0
GPSQC2 NM Ttl satellites 6      Err Scale 0.0123101827
        VCV xx 0.0000840823      VCV xy 0.0000971383
        VCV xz -0.000064744      VCV yy 0.0001325843
        VCV yz -0.0000757199      VCV zz 0.0000624237
PT DGN SO Name          20690          To the Point
GRID D SO Delta N      -0.227          Delta E      -0.193
        Delta Elv      0.085
GPSVEC SO Point ID 520689      DX  932.140      DY  -2651.024
        Class Stake out      DZ  -2649.351      Code 20689
        Obs L1 Fixed          H.pr 0.053      V.pr 0.121
GPSQC1 NM Min SVs          6          PDOP max 3.3
        Relative DOPs Yes      HDOP max 1.3
        Total GPS pos 6      VDOP max 3.0
        Monitor status Not monitored      RMS 48.4
        Horz SD          Vert SD
        Start wk 1575 sec 509167.0      End wk 1575 sec 509172.0
GPSQC2 NM Ttl satellites 6      Err Scale 0.0100142583
        VCV xx 0.0000536789      VCV xy 0.0000619385
        VCV xz -0.0000420477      VCV yy 0.000085169
        VCV yz -0.0000492177      VCV zz 0.0000411415
PT DGN SO Name          20689          To the Point
GRID D SO Delta N      -0.072          Delta E      0.131
        Delta Elv      0.058
GPSVEC SO Point ID 520707      DX  888.927      DY  -2627.961
        Class Stake out      DZ  -2642.927      Code 20707
        Obs L1 Fixed          H.pr 0.025      V.pr 0.056
GPSQC1 NM Min SVs          6          PDOP max 3.2
        Relative DOPs Yes      HDOP max 1.3
        Total GPS pos 6      VDOP max 2.9
        Monitor status Not monitored      RMS 11.1
        Horz SD          Vert SD
        Start wk 1575 sec 509246.0      End wk 1575 sec 509251.0
    
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GPSQC2 NM Ttl satellites 6 Err Scale 0.0047881613
          VCV xx 0.000010771 VCV xy 0.0000086814
          VCV xz -0.0000092349 VCV yy 0.0000112826
          VCV yz -0.0000120729 VCV zz 0.0000173059

PT DGN SO Name 20707 To the Point

GRID D SO Delta N -0.129 Delta E -0.209
          Delta Elv 0.015

GPSVEC SO Point ID 520708 DX 862.252 DY -2648.138
          Class Stake out DZ -2681.495 Code 20708
          Obs L1 Fixed H.pr 0.036 V.pr 0.080

GPSQC1 NM Min SVs 6 PDOP max 2.2
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 2.0
          Monitor status Not monitored RMS 9.8
          Horz SD Vert SD
          Start wk 1575 sec 509296.0 End wk 1575 sec 509301.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0074041253
          VCV xx 0.0000230625 VCV xy 0.0000175375
          VCV xz -0.0000187778 VCV yy 0.0000218707
          VCV yz -0.0000227002 VCV zz 0.0000335698

PT DGN SO Name 20708 To the Point

GRID D SO Delta N 0.114 Delta E -0.195
          Delta Elv 0.016

GPSVEC SO Point ID 520688 DX 906.961 DY -2672.119
          Class Stake out DZ -2687.836 Code 20688
          Obs L1 Fixed H.pr 0.026 V.pr 0.057

GPSQC1 NM Min SVs 6 PDOP max 3.1
          Relative DOPs Yes HDOP max 1.3
          Total GPS pos 6 VDOP max 2.8
          Monitor status Not monitored RMS 23.8
          Horz SD Vert SD
          Start wk 1575 sec 509379.0 End wk 1575 sec 509384.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0049985908
          VCV xx 0.0000122995 VCV xy 0.0000093162
          VCV xz -0.0000101936 VCV yy 0.0000111474
          VCV yz -0.0000116124 VCV zz 0.0000164678

PT DGN SO Name 20688 To the Point

GRID D SO Delta N 0.006 Delta E -0.023
          Delta Elv 0.080

GPSVEC SO Point ID 520687 DX 881.639 DY -2693.176
          Class Stake out DZ -2726.153 Code 20687
          Obs L1 Fixed H.pr 0.026 V.pr 0.056

GPSQC1 NM Min SVs 6 PDOP max 2.2
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 2.0
          Monitor status Not monitored RMS 16.4
          Horz SD Vert SD
          Start wk 1575 sec 509428.0 End wk 1575 sec 509433.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0054689441
          VCV xx 0.0000119539 VCV xy 0.0000091502
          VCV xz -0.0000098657 VCV yy 0.0000112391
          VCV yz -0.0000118132 VCV zz 0.0000167376

PT DGN SO Name 20687 To the Point

GRID D SO Delta N -0.035 Delta E -0.031
          Delta Elv -0.017

NOTE TS Time Date 03/19/2010 Time 14:32:08

GPSVEC SO Point ID 520709 DX 835.689 DY -2667.642
          Class Stake out DZ -2719.769 Code 20709
          Obs L1 Fixed H.pr 0.039 V.pr 0.095

GPSQC1 NM Min SVs 5 PDOP max 4.3
          Relative DOPs Yes HDOP max 1.7
          Total GPS pos 6 VDOP max 4.0
          Monitor status Not monitored RMS 6.1
          Horz SD Vert SD
          Start wk 1575 sec 509536.0 End wk 1575 sec 509541.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.0058985511
          VCV xx 0.0000122745 VCV xy 0.0000145948
          VCV xz -0.000017825 VCV yy 0.0000343008
          VCV yz -0.0000437262 VCV zz 0.0000622054

PT DGN SO Name 20709 To the Point

GRID D SO Delta N -0.267 Delta E 0.005
          Delta Elv -0.021

GPSVEC SO Point ID 520710 DX 808.958 DY -2687.911
          Class Stake out DZ -2758.373 Code 20710
          Obs L1 Fixed H.pr 0.048 V.pr 0.116
    
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GPSQC1 NM Min SVs 5 PDOP max 4.3
Relative DOPs Yes HDOP max 1.7
Total GPS pos 6 VDOP max 4.0
Monitor status Not monitored RMS 6.5
Horz SD Vert SD
Start wk 1575 sec 509578.0 End wk 1575 sec 509583.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.007288733
VCV xx 0.0000179419 VCV xy 0.0000210521
VCV xz -0.0000258061 VCV yy 0.0000511064
VCV yz -0.0000657502 VCV zz 0.0000948378

PT DGN SO Name 20710 To the Point

GRID D SO Delta N 0.068 Delta E 0.029
Delta Elv -0.046

GPSVEC SO Point ID 520686 DX 856.079 DY -2714.475
Class Stake out DZ -2765.049 Code 20686
Obs L1 Fixed H.pr 0.059 V.pr 0.139

GPSQC1 NM Min SVs 5 PDOP max 4.3
Relative DOPs Yes HDOP max 1.7
Total GPS pos 6 VDOP max 3.9
Monitor status Not monitored RMS 6.0
Horz SD Vert SD
Start wk 1575 sec 509634.0 End wk 1575 sec 509639.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.0088219019
VCV xx 0.000025663 VCV xy 0.0000296249
VCV xz -0.0000363976 VCV yy 0.0000739447
VCV yz -0.0000946022 VCV zz 0.0001360868

PT DGN SO Name 20686 To the Point

GRID D SO Delta N 0.580 Delta E 0.071
Delta Elv -0.032

GPSVEC SO Point ID 520685 DX 830.615 DY -2735.151
Class Stake out DZ -2803.375 Code 20685
Obs L1 Fixed H.pr 0.050 V.pr 0.116

GPSQC1 NM Min SVs 5 PDOP max 4.2
Relative DOPs Yes HDOP max 1.7
Total GPS pos 6 VDOP max 3.9
Monitor status Not monitored RMS 6.4
Horz SD Vert SD
Start wk 1575 sec 509684.0 End wk 1575 sec 509689.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.0074283518
VCV xx 0.0000172423 VCV xy 0.0000194458
VCV xz -0.0000239543 VCV yy 0.000049949
VCV yz -0.0000654062 VCV zz 0.0000971051

PT DGN SO Name 20685 To the Point

GRID D SO Delta N -0.150 Delta E 0.066
Delta Elv -0.036

GPSVEC SO Point ID 520711 DX 782.311 DY -2707.759
Class Stake out DZ -2796.601 Code 20711
Obs L1 Fixed H.pr 0.015 V.pr 0.035

GPSQC1 NM Min SVs 5 PDOP max 4.2
Relative DOPs Yes HDOP max 1.7
Total GPS pos 6 VDOP max 3.9
Monitor status Not monitored RMS 18.3
Horz SD Vert SD
Start wk 1575 sec 509729.0 End wk 1575 sec 509734.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.0022421989
VCV xx 0.0000015169 VCV xy 0.0000016734
VCV xz -0.0000020636 VCV yy 0.0000044324
VCV yz -0.0000058432 VCV zz 0.0000087865

PT DGN SO Name 20711 To the Point

GRID D SO Delta N -0.146 Delta E 0.157
Delta Elv -0.036

GPSVEC SO Point ID 520623 DX 1166.823 DY -2855.025
Class Stake out DZ -2761.892 Code 20623
Obs L1 Fixed H.pr 0.034 V.pr 0.075

GPSQC1 NM Min SVs 5 PDOP max 4.1
Relative DOPs Yes HDOP max 1.7
Total GPS pos 6 VDOP max 3.7
Monitor status Not monitored RMS 9.3
Horz SD Vert SD
Start wk 1575 sec 509910.0 End wk 1575 sec 509915.0

GPSQC2 NM Ttl satellites 5 Err Scale 0.0050281868
VCV xx 0.0000068387 VCV xy 0.0000068329
VCV xz -0.0000083458 VCV yy 0.0000199229
VCV yz -0.0000269542 VCV zz 0.0000425752

PT DGN SO Name 20623 To the Point

GRID D SO Delta N -0.162 Delta E 0.015
Delta Elv -0.092
    
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GPSVEC SO Point ID 520625      DX  1193.608      DY  -2799.851
        Class Stake out      DZ  -2682.523      Code 20625
        Obs L1 Fixed         H.pr 0.022       V.pr 0.048

GPSQC1 NM Min SVs           5                PDOP max  4.0
        Relative DOPs Yes    HDOP max  1.7
        Total GPS pos 6      VDOP max  3.6
        Monitor status Not monitored RMS        8.2
        Horz SD              Vert SD
        Start wk 1575 sec 509992.0 End wk 1575 sec 509997.0

GPSQC2 NM Ttl satellites 5      Err Scale 0.0032953839
        VCV xx 0.0000027953 VCV xy 0.0000026219
        VCV xz -0.0000031548 VCV yy 0.0000080848
        VCV yz -0.0000110762 VCV zz 0.0000179751

PT DGN SO Name              20625      To the Point

GRID D SO Delta N           0.414      Delta E    -0.342
        Delta Elv          -0.093

GPSVEC SO Point ID 520013      DX  1317.458      DY  -2864.461
        Class Stake out      DZ  -2685.562      Code 20013
        Obs L1 Fixed         H.pr 0.033       V.pr 0.070

GPSQC1 NM Min SVs           5                PDOP max  2.8
        Relative DOPs Yes    HDOP max  1.2
        Total GPS pos 6      VDOP max  2.5
        Monitor status Not monitored RMS        5.1
        Horz SD              Vert SD
        Start wk 1575 sec 510081.0 End wk 1575 sec 510086.0

GPSQC2 NM Ttl satellites 5      Err Scale 0.0053183609
        VCV xx 0.0000060346 VCV xy 0.0000052996
        VCV xz -0.0000062888 VCV yy 0.0000170276
        VCV yz -0.000023505 VCV zz 0.0000391477

PT DGN SO Name              20013      To the Point

GRID D SO Delta N           -0.288      Delta E    -0.015
        Delta Elv           0.033

GPSVEC SO Point ID 520012      DX  1336.010      DY  -2844.828
        Class Stake out      DZ  -2650.850      Code 20012
        Obs L1 Fixed         H.pr 0.022       V.pr 0.047

GPSQC1 NM Min SVs           5                PDOP max  2.7
        Relative DOPs Yes    HDOP max  1.2
        Total GPS pos 6      VDOP max  2.5
        Monitor status Not monitored RMS        7.9
        Horz SD              Vert SD
        Start wk 1575 sec 510150.0 End wk 1575 sec 510155.0

GPSQC2 NM Ttl satellites 5      Err Scale 0.0035874099
        VCV xx 0.000002703 VCV xy 0.0000022822
        VCV xz -0.0000026703 VCV yy 0.0000073886
        VCV yz -0.0000102716 VCV zz 0.0000174413

PT DGN SO Name              20012      To the Point

GRID D SO Delta N           0.008      Delta E     0.089
        Delta Elv           0.034

GPSVEC SO Point ID 520627      DX  1219.999      DY  -2743.759
        Class Stake out      DZ  -2602.318      Code 20627
        Obs L1 Fixed         H.pr 0.033       V.pr 0.041

GPSQC1 NM Min SVs           6                PDOP max  2.6
        Relative DOPs Yes    HDOP max  1.6
        Total GPS pos 6      VDOP max  2.0
        Monitor status Not monitored RMS       11.0
        Horz SD              Vert SD
        Start wk 1575 sec 510858.0 End wk 1575 sec 510863.0

GPSQC2 NM Ttl satellites 6      Err Scale 0.0050339829
        VCV xx 0.0000042112 VCV xy 0.0000016817
        VCV xz -0.0000005749 VCV yy 0.0000047312
        VCV yz -0.0000070622 VCV zz 0.0000195349

PT DGN SO Name              20627      To the Point

GRID D SO Delta N           -0.073      Delta E     0.053
        Delta Elv          -0.049

GPSVEC SO Point ID 520668      DX  1022.848      DY  -2704.853
        Class Stake out      DZ  -2659.106      Code 20668
        Obs L1 Fixed         H.pr 0.033       V.pr 0.041

GPSQC1 NM Min SVs           6                PDOP max  2.6
        Relative DOPs Yes    HDOP max  1.6
        Total GPS pos 6      VDOP max  2.0
        Monitor status Not monitored RMS       15.4
        Horz SD              Vert SD
        Start wk 1575 sec 510989.0 End wk 1575 sec 510994.0

GPSQC2 NM Ttl satellites 6      Err Scale 0.0050683599
        VCV xx 0.0000044415 VCV xy 0.0000016729
        VCV xz -0.0000001985 VCV yy 0.0000042897
        VCV yz -0.0000063744 VCV zz 0.0000196308

PT DGN SO Name              20668      To the Point
    
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GRID D	SO	Delta N	-0.282	Delta E	0.034
		Delta Elv	-0.073		
GPSVEC	SO	Point ID 520674	DX 1136.917	DY	-2556.468
		Class Stake out	DZ -2424.834	Code	20674
		Obs L1 Fixed	H.pr 0.048	V.pr	0.058
GPSQC1	NM	Min SVs	7	PDOP max	2.3
		Relative DOPs	Yes	HDOP max	1.5
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	23.0
		Horz SD		Vert SD	
		Start wk 1575 sec 511148.0		End wk 1575 sec 511153.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0080750603
		VCV xx	0.0000066607	VCV xy	0.0000014459
		VCV xz	0.000001391	VCV yy	0.0000072606
		VCV yz	-0.0000127264	VCV zz	0.0000444906
PT DGN	SO	Name	20674	To the Point	
GRID D	SO	Delta N	0.008	Delta E	0.184
		Delta Elv	0.082		
GPSVEC	SO	Point ID 520676	DX 1174.908	DY	-2507.465
		Class Stake out	DZ -2347.207	Code	20676
		Obs L1 Fixed	H.pr 0.037	V.pr	0.044
GPSQC1	NM	Min SVs	7	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	27.9
		Horz SD		Vert SD	
		Start wk 1575 sec 511307.0		End wk 1575 sec 511312.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0067189229
		VCV xx	0.0000036266	VCV xy	0.0000008187
		VCV xz	0.0000004577	VCV yy	0.0000046265
		VCV yz	-0.0000073088	VCV zz	0.0000257881
PT DGN	SO	Name	20676	To the Point	
GRID D	SO	Delta N	0.733	Delta E	0.066
		Delta Elv	0.058		
NOTE	TS	Time Date	03/19/2010	Time	15:06:18
GPSVEC	SO	Point ID 520691	DX 982.763	DY	-2609.127
		Class Stake out	DZ -2572.582	Code	20691
		Obs L1 Fixed	H.pr 0.036	V.pr	0.044
GPSQC1	NM	Min SVs	7	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	28.2
		Horz SD		Vert SD	
		Start wk 1575 sec 511584.0		End wk 1575 sec 511589.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0068272334
		VCV xx	0.0000043577	VCV xy	0.0000005866
		VCV xz	0.000002314	VCV yy	0.0000047909
		VCV yz	-0.0000055392	VCV zz	0.0000246616
PT DGN	SO	Name	20691	To the Point	
GRID D	SO	Delta N	0.023	Delta E	0.074
		Delta Elv	0.007		
GPSVEC	SO	Point ID 520611	DX 1341.676	DY	-2602.099
		Class Stake out	DZ -2367.213	Code	20611
		Obs L1 Fixed	H.pr 0.061	V.pr	0.077
GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	51.9
		Horz SD		Vert SD	
		Start wk 1575 sec 512154.0		End wk 1575 sec 512159.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0122573758
		VCV xx	0.0000171963	VCV xy	0.0000041015
		VCV xz	0.0000098569	VCV yy	0.0000155799
		VCV yz	-0.0000083098	VCV zz	0.000066708
PT DGN	SO	Name	20611	To the Point	
GRID D	SO	Delta N	-0.062	Delta E	0.039
		Delta Elv	-0.075		
GPSVEC	SO	Point ID 521526	DX 1363.533	DY	-2543.654
		Class Stake out	DZ -2287.041	Code	21526
		Obs L1 Fixed	H.pr 0.051	V.pr	0.065
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.3
		Total GPS pos	6	VDOP max	1.7
		Monitor status	Not monitored	RMS	50.1
		Horz SD		Vert SD	
		Start wk 1575 sec 512234.0		End wk 1575 sec 512239.0	

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GPSQC2 NM Ttl satellites 7 Err Scale 0.0095737418
          VCV xx 0.0000101073 VCV xy 0.0000018612
          VCV xz 0.000004882 VCV yy 0.0000100287
          VCV yz -0.0000080201 VCV zz 0.0000497821

PT DGN SO Name 21526 To the Point

GRID D SO Delta N 0.120 Delta E -0.157
          Delta Elv -0.022

GPSVEC SO Point ID 521527 DX 1326.656 DY -2521.308
          Class Stake out DZ -2283.084 Code 21527
          Obs L1 Fixed H.pr 0.049 V.pr 0.062

GPSQC1 NM Min SVs 7 PDOP max 2.1
          Relative DOPs Yes HDOP max 1.3
          Total GPS pos 6 VDOP max 1.7
          Monitor status Not monitored RMS 36.2
          Horz SD Vert SD
          Start wk 1575 sec 512273.0 End wk 1575 sec 512278.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0092415651
          VCV xx 0.0000088358 VCV xy 0.0000012919
          VCV xz 0.0000050385 VCV yy 0.0000084796
          VCV yz -0.0000007263 VCV zz 0.0000474445

PT DGN SO Name 21527 To the Point

GRID D SO Delta N 0.002 Delta E -0.181
          Delta Elv 0.028

GPSVEC SO Point ID 521528 DX 1299.661 DY -2506.776
          Class Stake out DZ -2279.412 Code 21528
          Obs L1 Fixed H.pr 0.039 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 38.5
          Horz SD Vert SD
          Start wk 1575 sec 512311.0 End wk 1575 sec 512316.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0080532879
          VCV xx 0.0000084537 VCV xy 0.0000020192
          VCV xz 0.0000056483 VCV yy 0.0000063527
          VCV yz -0.0000026143 VCV zz 0.0000271053

PT DGN SO Name 21528 To the Point

GRID D SO Delta N 0.122 Delta E 0.069
          Delta Elv 0.040

GPSVEC SO Point ID 521529 DX 1255.657 DY -2483.091
          Class Stake out DZ -2273.260 Code 21529
          Obs L1 Fixed H.pr 0.039 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 34.3
          Horz SD Vert SD
          Start wk 1575 sec 512353.0 End wk 1575 sec 512358.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0080145504
          VCV xx 0.0000071517 VCV xy 0.0000010443
          VCV xz 0.0000051148 VCV yy 0.0000058571
          VCV yz -0.0000027204 VCV zz 0.0000282397

PT DGN SO Name 21529 To the Point

GRID D SO Delta N 0.249 Delta E -0.013
          Delta Elv -0.028

GPSVEC SO Point ID 521530 DX 1213.590 DY -2457.845
          Class Stake out DZ -2268.195 Code 21530
          Obs L1 Fixed H.pr 0.031 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 23.5
          Horz SD Vert SD
          Start wk 1575 sec 512433.0 End wk 1575 sec 512438.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0065123956
          VCV xx 0.0000054726 VCV xy 0.0000014622
          VCV xz 0.0000033466 VCV yy 0.0000045183
          VCV yz -0.0000012265 VCV zz 0.0000169267

PT DGN SO Name 21530 To the Point

GRID D SO Delta N -0.167 Delta E -0.409
          Delta Elv -0.093

GPSVEC SO Point ID 521531 DX 1185.340 DY -2441.181
          Class Stake out DZ -2265.297 Code 21531
          Obs L1 Fixed H.pr 0.029 V.pr 0.037
    
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GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	10.6
		Horz SD		Vert SD	
		Start wk 1575 sec	512474.0	End wk 1575 sec	512479.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0060231234
		VCV xx	0.0000047674	VCV xy	0.0000012111
		VCV xz	0.0000030449	VCV yy	0.0000036534
		VCV yz	-0.0000010511	VCV zz	0.0000144696
PT DGN	SO	Name	21531	To the Point	
GRID D	SO	Delta N	0.020	Delta E	-0.079
		Delta Elv	-0.035		
GPSVEC	SO	Point ID 520698		DY	-2445.576
		Class Stake out		Code	20698
		Obs L1 Fixed	H.pr 0.030	V.pr	0.040
GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	22.8
		Horz SD		Vert SD	
		Start wk 1575 sec	512538.0	End wk 1575 sec	512543.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0064128484
		VCV xx	0.0000043248	VCV xy	0.0000010363
		VCV xz	0.0000019996	VCV yy	0.0000041706
		VCV yz	-0.0000014473	VCV zz	0.0000172224
PT DGN	SO	Name	20698	To the Point	
GRID D	SO	Delta N	-0.233	Delta E	-0.193
		Delta Elv	-0.036		
GPSVEC	SO	Point ID 521532		DY	-2425.327
		Class Stake out		Code	21532
		Obs L1 Fixed	H.pr 0.028	V.pr	0.036
GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	22.8
		Horz SD		Vert SD	
		Start wk 1575 sec	512576.0	End wk 1575 sec	512581.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0059055868
		VCV xx	0.0000036595	VCV xy	0.0000008727
		VCV xz	0.0000016752	VCV yy	0.0000035805
		VCV yz	-0.0000011476	VCV zz	0.0000144579
PT DGN	SO	Name	21532	To the Point	
GRID D	SO	Delta N	-0.131	Delta E	-0.071
		Delta Elv	-0.050		
GPSVEC	SO	Point ID 521533		DY	-2404.955
		Class Stake out		Code	21533
		Obs L1 Fixed	H.pr 0.025	V.pr	0.033
GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	19.3
		Horz SD		Vert SD	
		Start wk 1575 sec	512622.0	End wk 1575 sec	512627.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0052970657
		VCV xx	0.0000030073	VCV xy	0.0000007475
		VCV xz	0.0000013833	VCV yy	0.0000029481
		VCV yz	-0.0000008208	VCV zz	0.0000113949
PT DGN	SO	Name	21533	To the Point	
GRID D	SO	Delta N	-0.082	Delta E	0.031
		Delta Elv	0.074		
GPSVEC	SO	Point ID 521534		DY	-2420.146
		Class Stake out		Code	21534
		Obs L1 Fixed	H.pr 0.026	V.pr	0.034
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.3
		Total GPS pos	6	VDOP max	1.6
		Monitor status	Not monitored	RMS	12.4
		Horz SD		Vert SD	
		Start wk 1575 sec	512666.0	End wk 1575 sec	512671.0
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0051637804
		VCV xx	0.0000039644	VCV xy	0.0000012943
		VCV xz	0.0000020445	VCV yy	0.0000039797
		VCV yz	-0.0000001744	VCV zz	0.0000111816
PT DGN	SO	Name	21534	To the Point	
GRID D	SO	Delta N	0.167	Delta E	0.077
		Delta Elv	0.022		

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GPSVEC SO Point ID 521535 DX 1232.094 DY -2433.010
Class Stake out DZ -2229.281 Code 21535
Obs L1 Fixed H.pr 0.030 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.6
Monitor status Not monitored RMS 22.2
Horz SD Vert SD
Start wk 1575 sec 512697.0 End wk 1575 sec 512702.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0059187193
VCV xx 0.000005357 VCV xy 0.0000019646
VCV xz 0.0000026718 VCV yy 0.0000054864
VCV yz -0.0000001288 VCV zz 0.0000141849

PT DGN SO Name 21535 To the Point

GRID D SO Delta N 0.061 Delta E 0.119
Delta Elv -0.088

GPSVEC SO Point ID 521536 DX 1274.759 DY -2458.508
Class Stake out DZ -2234.332 Code 21536
Obs L1 Fixed H.pr 0.059 V.pr 0.077

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 57.4
Horz SD Vert SD
Start wk 1575 sec 512743.0 End wk 1575 sec 512748.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.012616544
VCV xx 0.0000085293 VCV xy 0.0000038796
VCV xz -0.0000057505 VCV yy 0.0000091241
VCV yz -0.0000097453 VCV zz 0.0000792784

PT DGN SO Name 21536 To the Point

GRID D SO Delta N 0.405 Delta E 0.194
Delta Elv -0.003

GPSVEC SO Point ID 521537 DX 1318.590 DY -2481.939
Class Stake out DZ -2240.204 Code 21537
Obs L1 Fixed H.pr 0.048 V.pr 0.063

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.6
Monitor status Not monitored RMS 43.2
Horz SD Vert SD
Start wk 1575 sec 512784.0 End wk 1575 sec 512789.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.009510871
VCV xx 0.0000097232 VCV xy 0.0000041629
VCV xz 0.0000006986 VCV yy 0.0000103327
VCV yz -0.0000034153 VCV zz 0.000043889

PT DGN SO Name 21537 To the Point

GRID D SO Delta N 0.013 Delta E 0.142
Delta Elv 0.036

GPSVEC SO Point ID 521538 DX 1339.907 DY -2493.459
Class Stake out DZ -2243.086 Code 21538
Obs L1 Fixed H.pr 0.033 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.6
Monitor status Not monitored RMS 22.7
Horz SD Vert SD
Start wk 1575 sec 512815.0 End wk 1575 sec 512820.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0065883831
VCV xx 0.0000050652 VCV xy 0.000001432
VCV xz 0.0000019152 VCV yy 0.0000056133
VCV yz -0.0000009926 VCV zz 0.0000198948

PT DGN SO Name 21538 To the Point

GRID D SO Delta N -0.067 Delta E -0.118
Delta Elv -0.015

GPSVEC SO Point ID 521539 DX 1374.231 DY -2514.248
Class Stake out DZ -2246.698 Code 21539
Obs L1 Fixed H.pr 0.035 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.6
Monitor status Not monitored RMS 27.2
Horz SD Vert SD
Start wk 1575 sec 512849.0 End wk 1575 sec 512854.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0069520269
VCV xx 0.000006423 VCV xy 0.0000027434
VCV xz 0.0000018752 VCV yy 0.0000070382
VCV yz -0.0000003207 VCV zz 0.0000204477

PT DGN SO Name 21539 To the Point
    
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GRID D	SO	Delta N	-0.036	Delta E	0.034
		Delta Elv	-0.092		
GPSVEC	SO	Point ID 521540	DX 1385.240	DY -2484.940	
		Class Stake out	DZ -2206.511	Code 21540	
		Obs L1 Fixed	H.pr 0.022	V.pr 0.028	
GPSQC1	NM	Min SVs	7	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	10.3
		Horz SD		Vert SD	
		Start wk 1575 sec 512896.0		End wk 1575 sec 512901.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.004701294
		VCV xx	0.0000024782	VCV xy	0.0000007341
		VCV xz	0.0000010378	VCV yy	0.0000027292
		VCV yz	-0.0000001175	VCV zz	0.0000080155
PT DGN	SO	Name	21540	To the Point	
GRID D	SO	Delta N	-0.092	Delta E	-0.099
		Delta Elv	-0.036		
GPSVEC	SO	Point ID 521541	DX 1353.315	DY -2465.490	
		Class Stake out	DZ -2202.794	Code 21541	
		Obs L1 Fixed	H.pr 0.046	V.pr 0.060	
GPSQC1	NM	Min SVs	7	PDOP max	2.0
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.6
		Monitor status	Not monitored	RMS	39.3
		Horz SD		Vert SD	
		Start wk 1575 sec 512959.0		End wk 1575 sec 512964.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0092383036
		VCV xx	0.0000124934	VCV xy	0.0000053304
		VCV xz	0.000004801	VCV yy	0.0000139358
		VCV yz	0.0000009713	VCV zz	0.0000327364
PT DGN	SO	Name	21541	To the Point	
GRID D	SO	Delta N	-0.477	Delta E	-0.144
		Delta Elv	-0.089		
GPSVEC	SO	Point ID 521542	DX 1294.271	DY -2434.045	
		Class Stake out	DZ -2195.288	Code 21542	
		Obs L1 Fixed	H.pr 0.041	V.pr 0.055	
GPSQC1	NM	Min SVs	7	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	33.2
		Horz SD		Vert SD	
		Start wk 1575 sec 513004.0		End wk 1575 sec 513009.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0090488009
		VCV xx	0.0000108131	VCV xy	0.0000047791
		VCV xz	0.0000044069	VCV yy	0.0000117744
		VCV yz	0.0000012959	VCV zz	0.0000258449
PT DGN	SO	Name	21542	To the Point	
GRID D	SO	Delta N	0.428	Delta E	-0.021
		Delta Elv	-0.025		
GPSVEC	SO	Point ID 521543	DX 1235.998	DY -2399.091	
		Class Stake out	DZ -2188.276	Code 21543	
		Obs L1 Fixed	H.pr 0.032	V.pr 0.040	
GPSQC1	NM	Min SVs	8	PDOP max	1.8
		Relative DOPs	Yes	HDOP max	1.1
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	19.2
		Horz SD		Vert SD	
		Start wk 1575 sec 513067.0		End wk 1575 sec 513072.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0072297603
		VCV xx	0.0000056247	VCV xy	0.0000028137
		VCV xz	0.0000006643	VCV yy	0.0000070825
		VCV yz	0.0000028474	VCV zz	0.0000145864
PT DGN	SO	Name	21543	To the Point	
GRID D	SO	Delta N	-0.200	Delta E	-0.085
		Delta Elv	-0.084		
GPSVEC	SO	Point ID 521544	DX 1209.108	DY -2384.782	
		Class Stake out	DZ -2184.583	Code 21544	
		Obs L1 Fixed	H.pr 0.043	V.pr 0.052	
GPSQC1	NM	Min SVs	7	PDOP max	2.0
		Relative DOPs	Yes	HDOP max	1.3
		Total GPS pos	6	VDOP max	1.6
		Monitor status	Not monitored	RMS	9.2
		Horz SD		Vert SD	
		Start wk 1575 sec 513111.0		End wk 1575 sec 513116.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0082820384
		VCV xx	0.0000132883	VCV xy	0.0000096604
		VCV xz	0.0000021013	VCV yy	0.0000145552
		VCV yz	0.0000040547	VCV zz	0.0000198938

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PT DGN SO Name 21544 To the Point
GRID D SO Delta N -0.007 Delta E -0.006
Delta Elv 0.028
GPSVEC SO Point ID 521545 DX 1235.770 DY -2364.395
Class Stake out DZ -2146.204 Code 21545
Obs L1 Fixed H.pr 0.047 V.pr 0.048
GPSQC1 NM Min SVs 6 PDOP max 1.8
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 23.9
Horz SD Vert SD
Start wk 1575 sec 513152.0 End wk 1575 sec 513157.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0070727137
VCV xx 0.0000100751 VCV xy 0.0000062442
VCV xz -0.000008069 VCV yy 0.00000755
VCV yz -0.0000020058 VCV zz 0.0000299085
PT DGN SO Name 21545 To the Point
GRID D SO Delta N -0.205 Delta E 0.081
Delta Elv 0.003
GPSVEC SO Point ID 521546 DX 1260.803 DY -2377.887
Class Stake out DZ -2150.013 Code 21546
Obs L1 Fixed H.pr 0.050 V.pr 0.050
GPSQC1 NM Min SVs 6 PDOP max 1.8
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 24.9
Horz SD Vert SD
Start wk 1575 sec 513202.0 End wk 1575 sec 513207.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0073532653
VCV xx 0.0000120232 VCV xy 0.0000079679
VCV xz -0.0000083322 VCV yy 0.0000095719
VCV yz -0.0000018233 VCV zz 0.0000299298
PT DGN SO Name 21546 To the Point
GRID D SO Delta N -0.062 Delta E 0.453
Delta Elv -0.025
GPSVEC SO Point ID 521547 DX 1313.397 DY -2408.974
Class Stake out DZ -2155.880 Code 21547
Obs L1 Fixed H.pr 0.051 V.pr 0.051
GPSQC1 NM Min SVs 6 PDOP max 1.8
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 28.5
Horz SD Vert SD
Start wk 1575 sec 513316.0 End wk 1575 sec 513321.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0074454956
VCV xx 0.0000116412 VCV xy 0.0000077841
VCV xz -0.000008543 VCV yy 0.000009732
VCV yz -0.0000015822 VCV zz 0.0000317796
PT DGN SO Name 21547 To the Point
GRID D SO Delta N -0.069 Delta E 0.373
Delta Elv -0.089
GPSVEC SO Point ID 521548 DX 1366.284 DY -2437.745
Class Stake out DZ -2163.176 Code 21548
Obs L1 Fixed H.pr 0.027 V.pr 0.027
GPSQC1 NM Min SVs 6 PDOP max 1.8
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 9.0
Horz SD Vert SD
Start wk 1575 sec 513377.0 End wk 1575 sec 513382.0
GPSQC2 NM Ttl satellites 6 Err Scale 0.0039536958
VCV xx 0.0000030693 VCV xy 0.0000019664
VCV xz -0.0000023353 VCV yy 0.0000026358
VCV yz -0.000001026 VCV zz 0.0000093301
PT DGN SO Name 21548 To the Point
GRID D SO Delta N -0.112 Delta E 0.127
Delta Elv -0.081
NOTE TS Time Date 03/19/2010 Time 15:44:01
GPSVEC SO Point ID 521549 DX 1395.971 DY -2455.545
Class Stake out DZ -2166.276 Code 21549
Obs L1 Fixed H.pr 0.034 V.pr 0.034
GPSQC1 NM Min SVs 6 PDOP max 1.9
Relative DOPs Yes HDOP max 1.3
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 9.3
Horz SD Vert SD
Start wk 1575 sec 513849.0 End wk 1575 sec 513854.0

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GPSQC2 NM Ttl satellites 6 Err Scale 0.0048228172
          VCV xx 0.0000042271 VCV xy 0.0000030291
          VCV xz -0.0000028059 VCV yy 0.0000048724
          VCV yz 0.0000008902 VCV zz 0.0000137168

PT DGN SO Name 21549 To the Point

GRID D SO Delta N -0.163 Delta E 0.056
          Delta Elv -0.039

GPSVEC SO Point ID 521550 DX 1439.449 DY -2481.973
          Class Stake out DZ -2171.264 Code 21550
          Obs L1 Fixed H.pr 0.047 V.pr 0.043

GPSQC1 NM Min SVs 6 PDOP max 2.6
          Relative DOPs Yes HDOP max 1.9
          Total GPS pos 6 VDOP max 1.8
          Monitor status Not monitored RMS 14.6
          Horz SD Vert SD
          Start wk 1575 sec 514195.0 End wk 1575 sec 514200.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0059727547
          VCV xx 0.0000084376 VCV xy 0.0000071236
          VCV xz -0.0000051901 VCV yy 0.0000113095
          VCV yz 0.000000052 VCV zz 0.0000214352

PT DGN SO Name 21550 To the Point

GRID D SO Delta N 0.302 Delta E -0.116
          Delta Elv 0.026

GPSVEC SO Point ID 521554 DX 1450.349 DY -2452.546
          Class Stake out DZ -2130.734 Code 21554
          Obs L1 Fixed H.pr 0.028 V.pr 0.026

GPSQC1 NM Min SVs 6 PDOP max 2.6
          Relative DOPs Yes HDOP max 1.9
          Total GPS pos 6 VDOP max 1.8
          Monitor status Not monitored RMS 11.1
          Horz SD Vert SD
          Start wk 1575 sec 514268.0 End wk 1575 sec 514273.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0036102759
          VCV xx 0.0000025815 VCV xy 0.0000021085
          VCV xz -0.0000014147 VCV yy 0.0000040755
          VCV yz 0.0000013771 VCV zz 0.0000084072

PT DGN SO Name 21554 To the Point

GRID D SO Delta N -0.067 Delta E -0.098
          Delta Elv -0.070

GPSVEC SO Point ID 521555 DX 1407.045 DY -2426.394
          Class Stake out DZ -2126.199 Code 21555
          Obs L1 Fixed H.pr 0.025 V.pr 0.037

GPSQC1 NM Min SVs 7 PDOP max 2.1
          Relative DOPs Yes HDOP max 1.2
          Total GPS pos 6 VDOP max 1.7
          Monitor status Not monitored RMS 11.6
          Horz SD Vert SD
          Start wk 1575 sec 514312.0 End wk 1575 sec 514317.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0053277747
          VCV xx 0.0000062421 VCV xy 0.0000060867
          VCV xz -0.0000007965 VCV yy 0.0000101236
          VCV yz 0.0000002467 VCV zz 0.0000040246

PT DGN SO Name 21555 To the Point

GRID D SO Delta N -0.064 Delta E -0.204
          Delta Elv -0.011

GPSVEC SO Point ID 521556 DX 1379.833 DY -2409.930
          Class Stake out DZ -2123.115 Code 21556
          Obs L1 Fixed H.pr 0.023 V.pr 0.035

GPSQC1 NM Min SVs 7 PDOP max 2.1
          Relative DOPs Yes HDOP max 1.2
          Total GPS pos 6 VDOP max 1.7
          Monitor status Not monitored RMS 16.7
          Horz SD Vert SD
          Start wk 1575 sec 514367.0 End wk 1575 sec 514372.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0049652038
          VCV xx 0.0000051755 VCV xy 0.0000049856
          VCV xz -0.0000007111 VCV yy 0.0000089244
          VCV yz 0.0000001112 VCV zz 0.0000036738

PT DGN SO Name 21556 To the Point

GRID D SO Delta N -0.288 Delta E -0.094
          Delta Elv -0.084

GPSVEC SO Point ID 521557 DX 1333.232 DY -2384.192
          Class Stake out DZ -2116.649 Code 21557
          Obs L1 Fixed H.pr 0.045 V.pr 0.067
    
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GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 16.2
Horz SD Vert SD
Start wk 1575 sec 514409.0 End wk 1575 sec 514414.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0096179741
VCV xx 0.0000198504 VCV xy 0.0000198961
VCV xz -0.0000028998 VCV yy 0.0000335527
VCV yz 0.0000006589 VCV zz 0.0000134646

PT DGN SO Name 21557 To the Point

GRID D SO Delta N -0.450 Delta E 0.002
Delta Elv -0.021

GPSVEC SO Point ID 521558 DX 1286.525 DY -2357.011
Class Stake out DZ -2111.625 Code 21558
Obs L1 Fixed H.pr 0.022 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 11.7
Horz SD Vert SD
Start wk 1575 sec 514469.0 End wk 1575 sec 514474.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.004780482
VCV xx 0.0000048568 VCV xy 0.000004949
VCV xz -0.0000007451 VCV yy 0.0000084356
VCV yz 0.0000001299 VCV zz 0.000003286

PT DGN SO Name 21558 To the Point

GRID D SO Delta N -0.083 Delta E 0.023
Delta Elv 0.033

GPSVEC SO Point ID 521559 DX 1264.986 DY -2345.977
Class Stake out DZ -2108.934 Code 21559
Obs L1 Fixed H.pr 0.021 V.pr 0.032

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 12.0
Horz SD Vert SD
Start wk 1575 sec 514524.0 End wk 1575 sec 514529.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0046095219
VCV xx 0.000004466 VCV xy 0.0000045387
VCV xz -0.0000006397 VCV yy 0.0000079358
VCV yz 0.0000001119 VCV zz 0.0000030593

PT DGN SO Name 21559 To the Point

GRID D SO Delta N -0.118 Delta E -0.027
Delta Elv -0.024

GPSVEC SO Point ID 521560 DX 1289.222 DY -2324.170
Class Stake out DZ -2070.136 Code 21560
Obs L1 Fixed H.pr 0.027 V.pr 0.040

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 20.9
Horz SD Vert SD
Start wk 1575 sec 514570.0 End wk 1575 sec 514575.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0062380717
VCV xx 0.0000064572 VCV xy 0.0000064765
VCV xz -0.0000010264 VCV yy 0.0000115893
VCV yz 0.0000005761 VCV zz 0.0000062819

PT DGN SO Name 21560 To the Point

GRID D SO Delta N 0.215 Delta E -0.098
Delta Elv 0.000

GPSVEC SO Point ID 521706 DX 1316.093 DY -2303.986
Class Stake out DZ -2031.934 Code 21706
Obs L1 Fixed H.pr 0.020 V.pr 0.031

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 13.4
Horz SD Vert SD
Start wk 1575 sec 514775.0 End wk 1575 sec 514780.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0047309725
VCV xx 0.0000032691 VCV xy 0.0000030108
VCV xz 0.0000004019 VCV yy 0.0000084929
VCV yz 0.0000005249 VCV zz 0.0000023533

PT DGN SO Name 21706 To the Point

GRID D SO Delta N 0.215 Delta E -0.286
Delta Elv 0.001
    
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GPSVEC SO Point ID 521705 DX 1337.046 DY -2314.965
Class Stake out DZ -2034.712 Code 21705
Obs L1 Fixed H.pr 0.021 V.pr 0.032

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 12.9
Horz SD Vert SD
Start wk 1575 sec 514827.0 End wk 1575 sec 514832.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0049355957
VCV xx 0.0000035806 VCV xy 0.0000032699
VCV xz 0.0000004487 VCV yy 0.0000092452
VCV yz 0.0000005493 VCV zz 0.0000025625

PT DGN SO Name 21705 To the Point

GRID D SO Delta N -0.158 Delta E 0.122
Delta Elv -0.032

GPSVEC SO Point ID 521704 DX 1371.826 DY -2335.053
Class Stake out DZ -2039.095 Code 21704
Obs L1 Fixed H.pr 0.033 V.pr 0.050

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.8
Monitor status Not monitored RMS 19.2
Horz SD Vert SD
Start wk 1575 sec 514866.0 End wk 1575 sec 514871.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0070404699
VCV xx 0.0000072918 VCV xy 0.0000067856
VCV xz 0.0000010999 VCV yy 0.0000219021
VCV yz 0.0000025742 VCV zz 0.0000073775

PT DGN SO Name 21704 To the Point

GRID D SO Delta N 0.022 Delta E 0.049
Delta Elv -0.025

GPSVEC SO Point ID 521703 DX 1406.323 DY -2354.317
Class Stake out DZ -2043.403 Code 21703
Obs L1 Fixed H.pr 0.026 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 22.0
Horz SD Vert SD
Start wk 1575 sec 514903.0 End wk 1575 sec 514908.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.005917978
VCV xx 0.0000056287 VCV xy 0.000005312
VCV xz 0.0000006715 VCV yy 0.0000134176
VCV yz 0.0000004143 VCV zz 0.0000031218

PT DGN SO Name 21703 To the Point

GRID D SO Delta N -0.148 Delta E 0.005
Delta Elv -0.070

GPSVEC SO Point ID 521702 DX 1428.512 DY -2367.659
Class Stake out DZ -2045.751 Code 21702
Obs L1 Fixed H.pr 0.028 V.pr 0.043

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.8
Monitor status Not monitored RMS 20.9
Horz SD Vert SD
Start wk 1575 sec 514940.0 End wk 1575 sec 514945.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0060928646
VCV xx 0.0000071087 VCV xy 0.000006771
VCV xz 0.0000008603 VCV yy 0.0000164292
VCV yz 0.0000008012 VCV zz 0.000003898

PT DGN SO Name 21702 To the Point

GRID D SO Delta N -0.160 Delta E 0.079
Delta Elv -0.044

GPSVEC SO Point ID 521701 DX 1472.009 DY -2394.007
Class Stake out DZ -2050.502 Code 21701
Obs L1 Fixed H.pr 0.029 V.pr 0.044

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 17.7
Horz SD Vert SD
Start wk 1575 sec 514988.0 End wk 1575 sec 514993.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0066739097
VCV xx 0.0000062607 VCV xy 0.0000059774
VCV xz 0.0000006115 VCV yy 0.0000169916
VCV yz 0.0000017574 VCV zz 0.0000049865

PT DGN SO Name 21701 To the Point
    
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GRID D	SO	Delta N	0.066	Delta E	-0.074
		Delta Elv	-0.053		
GPSVEC	SO	Point ID 521565	DX 1461.450	DY	-2423.307
		Class Stake out	DZ -2090.483	Code	21565
		Obs L1 Fixed	H.pr 0.025	V.pr	0.038
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	12.7
		Horz SD		Vert SD	
		Start wk 1575 sec 515047.0		End wk 1575 sec 515052.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0053042858
		VCV xx	0.0000047719	VCV xy	0.0000043178
		VCV xz	0.0000004988	VCV yy	0.0000118901
		VCV yz	0.0000015823	VCV zz	0.0000041642
PT DGN	SO	Name	21565	To the Point	
GRID D	SO	Delta N	-0.162	Delta E	-0.343
		Delta Elv	-0.071		
GPSVEC	SO	Point ID 521564	DX 1417.772	DY	-2397.125
		Class Stake out	DZ -2086.054	Code	21564
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	7	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	17.2
		Horz SD		Vert SD	
		Start wk 1575 sec 515087.0		End wk 1575 sec 515092.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0051455591
		VCV xx	0.0000033217	VCV xy	0.0000029752
		VCV xz	0.0000004811	VCV yy	0.0000097324
		VCV yz	0.0000016636	VCV zz	0.0000037497
PT DGN	SO	Name	21564	To the Point	
GRID D	SO	Delta N	0.005	Delta E	-0.099
		Delta Elv	-0.055		
GPSVEC	SO	Point ID 521563	DX 1393.174	DY	-2382.299
		Class Stake out	DZ -2083.461	Code	21563
		Obs L1 Fixed	H.pr 0.022	V.pr	0.033
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	20.1
		Horz SD		Vert SD	
		Start wk 1575 sec 515118.0		End wk 1575 sec 515123.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0046902993
		VCV xx	0.0000032419	VCV xy	0.0000028205
		VCV xz	0.0000005107	VCV yy	0.0000094747
		VCV yz	0.0000013367	VCV zz	0.0000035744
PT DGN	SO	Name	21563	To the Point	
GRID D	SO	Delta N	0.014	Delta E	-0.207
		Delta Elv	-0.054		
GPSVEC	SO	Point ID 521562	DX 1352.679	DY	-2359.704
		Class Stake out	DZ -2077.992	Code	21562
		Obs L1 Fixed	H.pr 0.023	V.pr	0.034
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1575 sec 515159.0		End wk 1575 sec 515164.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.004858085
		VCV xx	0.0000048345	VCV xy	0.0000041166
		VCV xz	0.0000006844	VCV yy	0.0000096852
		VCV yz	0.0000006086	VCV zz	0.0000029584
PT DGN	SO	Name	21562	To the Point	
GRID D	SO	Delta N	-0.111	Delta E	-0.145
		Delta Elv	0.040		
GPSVEC	SO	Point ID 521561	DX 1311.886	DY	-2335.993
		Class Stake out	DZ -2073.069	Code	21561
		Obs L1 Fixed	H.pr 0.022	V.pr	0.034
GPSQC1	NM	Min SVs	7	PDOP max	2.1
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.8
		Monitor status	Not monitored	RMS	9.9
		Horz SD		Vert SD	
		Start wk 1575 sec 515198.0		End wk 1575 sec 515203.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0047782762
		VCV xx	0.0000038969	VCV xy	0.0000033377
		VCV xz	0.0000005611	VCV yy	0.0000098314
		VCV yz	0.0000008726	VCV zz	0.0000031783

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PT DGN SO Name 21561 To the Point
GRID D SO Delta N -0.224 Delta E -0.021
Delta Elv -0.027
GPSVEC SO Point ID 521707 DX 1342.648 DY -2283.473
Class Stake out DZ -1993.448 Code 21707
Obs L1 Fixed H.pr 0.021 V.pr 0.032
GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 9.4
Horz SD Vert SD
Start wk 1575 sec 515296.0 End wk 1575 sec 515301.0
GPSQC2 NM Ttl satellites 7 Err Scale 0.0049444479
VCV xx 0.0000035492 VCV xy 0.0000029767
VCV xz 0.0000005225 VCV yy 0.0000089064
VCV yz 0.0000008805 VCV zz 0.0000030466
PT DGN SO Name 21707 To the Point
GRID D SO Delta N -0.110 Delta E -0.048
Delta Elv -0.032
GPSVEC SO Point ID 521708 DX 1362.348 DY -2294.238
Class Stake out DZ -1996.623 Code 21708
Obs L1 Fixed H.pr 0.030 V.pr 0.046
GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.8
Monitor status Not monitored RMS 23.2
Horz SD Vert SD
Start wk 1575 sec 515330.0 End wk 1575 sec 515335.0
GPSQC2 NM Ttl satellites 7 Err Scale 0.0064720511
VCV xx 0.0000068406 VCV xy 0.0000055578
VCV xz 0.0000006548 VCV yy 0.00001704
VCV yz 0.0000025945 VCV zz 0.0000070895
PT DGN SO Name 21708 To the Point
GRID D SO Delta N 0.248 Delta E 0.006
Delta Elv -0.051
GPSVEC SO Point ID 521709 DX 1390.920 DY -2310.176
Class Stake out DZ -2000.022 Code 21709
Obs L1 Fixed H.pr 0.027 V.pr 0.041
GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 17.3
Horz SD Vert SD
Start wk 1575 sec 515365.0 End wk 1575 sec 515370.0
GPSQC2 NM Ttl satellites 7 Err Scale 0.0061975257
VCV xx 0.0000058308 VCV xy 0.0000047975
VCV xz 0.000000648 VCV yy 0.000013329
VCV yz 0.000001751 VCV zz 0.0000051653
PT DGN SO Name 21709 To the Point
GRID D SO Delta N -0.061 Delta E 0.145
Delta Elv -0.046
GPSVEC SO Point ID 521710 DX 1419.597 DY -2326.647
Class Stake out DZ -2003.684 Code 21710
Obs L1 Fixed H.pr 0.020 V.pr 0.030
GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 11.8
Horz SD Vert SD
Start wk 1575 sec 515402.0 End wk 1575 sec 515407.0
GPSQC2 NM Ttl satellites 7 Err Scale 0.0046503227
VCV xx 0.0000031573 VCV xy 0.0000025905
VCV xz 0.000000463 VCV yy 0.0000077672
VCV yz 0.0000007979 VCV zz 0.0000027595
PT DGN SO Name 21710 To the Point
GRID D SO Delta N 0.098 Delta E -0.031
Delta Elv -0.073
GPSVEC SO Point ID 521711 DX 1439.429 DY -2338.502
Class Stake out DZ -2005.646 Code 21711
Obs L1 Fixed H.pr 0.020 V.pr 0.030
GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.8
Monitor status Not monitored RMS 9.1
Horz SD Vert SD
Start wk 1575 sec 515433.0 End wk 1575 sec 515438.0

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GPSQC2 NM Ttl satellites 7 Err Scale 0.0041901977
          VCV xx 0.0000032806 VCV xy 0.0000027495
          VCV xz 0.000000377 VCV yy 0.0000072633
          VCV yz 0.0000006304 VCV zz 0.000002407

PT DGN SO Name 21711 To the Point

GRID D SO Delta N -0.047 Delta E -0.036
          Delta Elv -0.080

GPSVEC SO Point ID 521712 DX 1482.728 DY -2364.273
          Class Stake out DZ -2009.832 Code 21712
          Obs L1 Fixed H.pr 0.019 V.pr 0.029

GPSQC1 NM Min SVs 7 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 8.4
          Horz SD Vert SD
          Start wk 1575 sec 515490.0 End wk 1575 sec 515495.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0043985578
          VCV xx 0.0000027933 VCV xy 0.0000022192
          VCV xz 0.0000004483 VCV yy 0.0000068974
          VCV yz 0.0000006906 VCV zz 0.0000025201

PT DGN SO Name 21712 To the Point

GRID D SO Delta N -0.534 Delta E 0.239
          Delta Elv -0.068

GPSVEC SO Point ID 521827 DX 1493.490 DY -2335.244
          Class Stake out DZ -1970.017 Code 21827
          Obs L1 Fixed H.pr 0.019 V.pr 0.029

GPSQC1 NM Min SVs 7 PDOP max 2.1
          Relative DOPs Yes HDOP max 1.2
          Total GPS pos 5 VDOP max 1.8
          Monitor status Not monitored RMS 12.4
          Horz SD Vert SD
          Start wk 1575 sec 515545.0 End wk 1575 sec 515550.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0041163052
          VCV xx 0.0000028724 VCV xy 0.0000022564
          VCV xz 0.0000004632 VCV yy 0.0000069882
          VCV yz 0.0000007013 VCV zz 0.0000025903

PT DGN SO Name 21827 To the Point

GRID D SO Delta N -0.078 Delta E 0.208
          Delta Elv -0.079

GPSVEC SO Point ID 521828 DX 1449.788 DY -2308.829
          Class Stake out DZ -1965.304 Code 21828
          Obs L1 Fixed H.pr 0.021 V.pr 0.031

GPSQC1 NM Min SVs 7 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.8
          Total GPS pos 6 VDOP max 1.2
          Monitor status Not monitored RMS 14.6
          Horz SD Vert SD
          Start wk 1575 sec 515608.0 End wk 1575 sec 515613.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0047588209
          VCV xx 0.0000032322 VCV xy 0.0000024782
          VCV xz 0.0000005446 VCV yy 0.0000079185
          VCV yz 0.0000008489 VCV zz 0.0000030756

PT DGN SO Name 21828 To the Point

GRID D SO Delta N -0.258 Delta E 0.575
          Delta Elv -0.072

NOTE TS Time Date 03/19/2010 Time 16:15:07

GPSVEC SO Point ID 521829 DX 1432.492 DY -2298.574
          Class Stake out DZ -1963.665 Code 21829
          Obs L1 Fixed H.pr 0.019 V.pr 0.029

GPSQC1 NM Min SVs 7 PDOP max 2.1
          Relative DOPs Yes HDOP max 1.2
          Total GPS pos 6 VDOP max 1.7
          Monitor status Not monitored RMS 10.2
          Horz SD Vert SD
          Start wk 1575 sec 515715.0 End wk 1575 sec 515720.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0041160458
          VCV xx 0.0000027802 VCV xy 0.0000020703
          VCV xz 0.0000004628 VCV yy 0.0000067782
          VCV yz 0.0000007889 VCV zz 0.0000027907

PT DGN SO Name 21829 To the Point

GRID D SO Delta N -0.016 Delta E 0.450
          Delta Elv -0.087

GPSVEC SO Point ID 521830 DX 1409.999 DY -2285.306
          Class Stake out DZ -1961.084 Code 21830
          Obs L1 Fixed H.pr 0.020 V.pr 0.029
    
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GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 12.2
Horz SD Vert SD
Start wk 1575 sec 515754.0 End wk 1575 sec 515759.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0042075915
VCV xx 0.000002918 VCV xy 0.0000021593
VCV xz 0.0000004768 VCV yy 0.0000069807
VCV yz 0.0000008736 VCV zz 0.0000029769

PT DGN SO Name 21830 To the Point

GRID D SO Delta N -0.012 Delta E 0.130
Delta Elv 0.002

GPSVEC SO Point ID 521831 DX 1387.738 DY -2273.107
Class Stake out DZ -1958.022 Code 21831
Obs L1 Fixed H.pr 0.026 V.pr 0.039

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 13.9
Horz SD Vert SD
Start wk 1575 sec 515799.0 End wk 1575 sec 515804.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0056104339
VCV xx 0.0000054305 VCV xy 0.0000040687
VCV xz 0.0000007361 VCV yy 0.0000122831
VCV yz 0.0000014407 VCV zz 0.0000051156

PT DGN SO Name 21831 To the Point

GRID D SO Delta N 0.003 Delta E -0.016
Delta Elv -0.045

GPSVEC SO Point ID 521832 DX 1369.291 DY -2263.310
Class Stake out DZ -1955.314 Code 21832
Obs L1 Fixed H.pr 0.030 V.pr 0.046

GPSQC1 NM Min SVs 7 PDOP max 2.1
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.7
Monitor status Not monitored RMS 29.7
Horz SD Vert SD
Start wk 1575 sec 515843.0 End wk 1575 sec 515848.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0065429397
VCV xx 0.0000077612 VCV xy 0.0000057459
VCV xz 0.0000008135 VCV yy 0.0000162214
VCV yz 0.0000017181 VCV zz 0.0000069764

PT DGN SO Name 21832 To the Point

GRID D SO Delta N 0.014 Delta E -0.040
Delta Elv -0.084

GPSVEC SO Point ID 521833 DX 1389.727 DY -2248.099
Class Stake out DZ -1926.457 Code 21833
Obs L1 Fixed H.pr 0.022 V.pr 0.033

GPSQC1 NM Min SVs 7 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 15.7
Horz SD Vert SD
Start wk 1575 sec 515900.0 End wk 1575 sec 515905.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0051910882
VCV xx 0.0000038655 VCV xy 0.0000027584
VCV xz 0.0000006169 VCV yy 0.000008812
VCV yz 0.0000010986 VCV zz 0.0000039599

PT DGN SO Name 21833 To the Point

GRID D SO Delta N 0.095 Delta E -0.292
Delta Elv -0.045

GPSVEC SO Point ID 521834 DX 1421.413 DY -2271.724
Class Stake out DZ -1939.243 Code 21834
Obs L1 Fixed H.pr 0.021 V.pr 0.036

GPSQC1 NM Min SVs 6 PDOP max 3.6
Relative DOPs Yes HDOP max 1.8
Total GPS pos 6 VDOP max 3.1
Monitor status Not monitored RMS 7.4
Horz SD Vert SD
Start wk 1575 sec 515963.0 End wk 1575 sec 515968.0

GPSQC2 NM Ttl satellites 6 Err Scale 0.0029184436
VCV xx 0.0000069511 VCV xy 0.0000059266
VCV xz -0.0000001785 VCV yy 0.0000088791
VCV yz 0.0000001101 VCV zz 0.0000022433

PT DGN SO Name 21834 To the Point

GRID D SO Delta N -0.034 Delta E -0.209
Delta Elv 0.003
    
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GPSVEC SO Point ID 521835      DX  1457.964      DY  -2288.812
        Class Stake out      DZ  -1937.420      Code 21835
        Obs L1 Fixed          H.pr 0.022        V.pr 0.039

GPSQC1 NM Min SVs           6                PDOP max  2.5
        Relative DOPs Yes      HDOP max  1.2
        Total GPS pos 6        VDOP max  2.2
        Monitor status Not monitored RMS        14.1
        Horz SD                Vert SD
        Start wk 1575 sec 516012.0 End wk 1575 sec 516017.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0033610247
        VCV xx  0.0000078215    VCV xy  0.0000065968
        VCV xz  -0.0000002182    VCV yy  0.0000099292
        VCV yz  0.0000001238    VCV zz  0.0000026163

PT DGN SO Name                21835          To the Point

GRID D SO Delta N             0.075          Delta E    -0.158
        Delta Elv            -0.093

GPSVEC SO Point ID 521836      DX  1502.770      DY  -2311.009
        Class Stake out      DZ  -1936.657      Code 21836
        Obs L1 Fixed          H.pr 0.020        V.pr 0.036

GPSQC1 NM Min SVs           6                PDOP max  3.5
        Relative DOPs Yes      HDOP max  1.7
        Total GPS pos 6        VDOP max  3.1
        Monitor status Not monitored RMS        7.5
        Horz SD                Vert SD
        Start wk 1575 sec 516056.0 End wk 1575 sec 516061.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0028649829
        VCV xx  0.0000065318    VCV xy  0.0000054719
        VCV xz  -0.0000002005    VCV yy  0.0000083362
        VCV yz  0.0000000873    VCV zz  0.0000022477

PT DGN SO Name                21836          To the Point

GRID D SO Delta N             0.033          Delta E    -0.079
        Delta Elv            -0.054

GPSVEC SO Point ID 521872      DX  1513.411      DY  -2282.101
        Class Stake out      DZ  -1896.994      Code 21872
        Obs L1 Fixed          H.pr 0.026        V.pr 0.047

GPSQC1 NM Min SVs           6                PDOP max  3.5
        Relative DOPs Yes      HDOP max  1.7
        Total GPS pos 6        VDOP max  3.1
        Monitor status Not monitored RMS        13.7
        Horz SD                Vert SD
        Start wk 1575 sec 516146.0 End wk 1575 sec 516151.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0038237011
        VCV xx  0.000011333      VCV xy  0.0000092834
        VCV xz  -0.0000004541    VCV yy  0.0000143551
        VCV yz  0.0000001253    VCV zz  0.0000042114

PT DGN SO Name                21872          To the Point

GRID D SO Delta N             -0.013         Delta E    -0.011
        Delta Elv            -0.094

GPSVEC SO Point ID 521873      DX  1466.728      DY  -2258.646
        Class Stake out      DZ  -1897.736      Code 21873
        Obs L1 Fixed          H.pr 0.024        V.pr 0.043

GPSQC1 NM Min SVs           6                PDOP max  3.5
        Relative DOPs Yes      HDOP max  1.7
        Total GPS pos 6        VDOP max  3.0
        Monitor status Not monitored RMS        12.7
        Horz SD                Vert SD
        Start wk 1575 sec 516191.0 End wk 1575 sec 516196.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0035439688
        VCV xx  0.0000096059    VCV xy  0.0000078077
        VCV xz  -0.0000003829    VCV yy  0.0000121645
        VCV yz  0.000000095      VCV zz  0.000003643

PT DGN SO Name                21873          To the Point

GRID D SO Delta N             -0.082         Delta E     0.254
        Delta Elv            -0.081

GPSVEC SO Point ID 521874      DX  1432.165      DY  -2257.817
        Class Stake out      DZ  -1917.409      Code 21874
        Obs L1 Fixed          H.pr 0.029        V.pr 0.053

GPSQC1 NM Min SVs           6                PDOP max  2.5
        Relative DOPs Yes      HDOP max  1.2
        Total GPS pos 6        VDOP max  2.1
        Monitor status Not monitored RMS        16.1
        Horz SD                Vert SD
        Start wk 1575 sec 516236.0 End wk 1575 sec 516241.0

GPSQC2 NM Ttl satellites 6          Err Scale 0.0046777958
        VCV xx  0.0000141758    VCV xy  0.0000114184
        VCV xz  -0.0000005907    VCV yy  0.0000178515
        VCV yz  0.0000001396    VCV zz  0.000005506

PT DGN SO Name                21874          To the Point
    
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GRID D	SO	Delta N	-0.005	Delta E	-0.094
		Delta Elv	0.020		
GPSVEC	SO	Point ID 521876	DX 1443.106	DY	-2244.052
		Class Stake out	DZ -1895.472	Code	21876
		Obs L1 Fixed	H.pr 0.025	V.pr	0.045
GPSQC1	NM	Min SVs	6	PDOP max	3.5
		Relative DOPs	Yes	HDOP max	1.7
		Total GPS pos	4	VDOP max	3.0
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1575 sec 516268.0		End wk 1575 sec 516274.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0040106163
		VCV xx	0.0000102875	VCV xy	0.0000082028
		VCV xz	-0.0000004857	VCV yy	0.0000129323
		VCV yz	0.0000000848	VCV zz	0.0000041357
PT DGN	SO	Name	21876	To the Point	
GRID D	SO	Delta N	0.269	Delta E	0.091
		Delta Elv	-0.064		
GPSVEC	SO	Point ID 521875	DX 1410.526	DY	-2232.753
		Class Stake out	DZ -1897.213	Code	21875
		Obs L1 Fixed	H.pr 0.024	V.pr	0.044
GPSQC1	NM	Min SVs	6	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	2.1
		Monitor status	Not monitored	RMS	6.4
		Horz SD		Vert SD	
		Start wk 1575 sec 516353.0		End wk 1575 sec 516358.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.003939217
		VCV xx	0.0000104026	VCV xy	0.0000082328
		VCV xz	-0.0000001589	VCV yy	0.0000117601
		VCV yz	0.0000001675	VCV zz	0.0000036277
PT DGN	SO	Name	21875	To the Point	
GRID D	SO	Delta N	-0.010	Delta E	0.004
		Delta Elv	-0.095		
GPSVEC	SO	Point ID 521879	DX 1473.892	DY	-2236.672
		Class Stake out	DZ -1868.497	Code	21879
		Obs L1 Fixed	H.pr 0.018	V.pr	0.033
GPSQC1	NM	Min SVs	6	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	2.1
		Monitor status	Not monitored	RMS	5.2
		Horz SD		Vert SD	
		Start wk 1575 sec 516407.0		End wk 1575 sec 516412.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0030254119
		VCV xx	0.0000056152	VCV xy	0.0000043442
		VCV xz	-0.0000003326	VCV yy	0.0000069257
		VCV yz	0.0000000369	VCV zz	0.0000024353
PT DGN	SO	Name	21879	To the Point	
GRID D	SO	Delta N	0.078	Delta E	-0.218
		Delta Elv	-0.006		
GPSVEC	SO	Point ID 521878	DX 1454.716	DY	-2229.213
		Class Stake out	DZ -1872.053	Code	21878
		Obs L1 Fixed	H.pr 0.016	V.pr	0.030
GPSQC1	NM	Min SVs	6	PDOP max	2.4
		Relative DOPs	Yes	HDOP max	1.1
		Total GPS pos	6	VDOP max	2.1
		Monitor status	Not monitored	RMS	6.0
		Horz SD		Vert SD	
		Start wk 1575 sec 516439.0		End wk 1575 sec 516444.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0027186261
		VCV xx	0.0000045061	VCV xy	0.0000034254
		VCV xz	-0.0000002796	VCV yy	0.0000054404
		VCV yz	0.0000000235	VCV zz	0.000002031
PT DGN	SO	Name	21878	To the Point	
GRID D	SO	Delta N	-0.075	Delta E	0.128
		Delta Elv	-0.004		
GPSVEC	SO	Point ID 521877	DX 1438.915	DY	-2212.296
		Class Stake out	DZ -1858.370	Code	21877
		Obs L1 Fixed	H.pr 0.026	V.pr	0.048
GPSQC1	NM	Min SVs	6	PDOP max	3.3
		Relative DOPs	Yes	HDOP max	1.6
		Total GPS pos	6	VDOP max	2.9
		Monitor status	Not monitored	RMS	5.7
		Horz SD		Vert SD	
		Start wk 1575 sec 516504.0		End wk 1575 sec 516509.0	
GPSQC2	NM	Ttl satellites	6	Err Scale	0.0040758727
		VCV xx	0.0000115482	VCV xy	0.0000086359
		VCV xz	-0.0000006885	VCV yy	0.0000138386
		VCV yz	0.0000000412	VCV zz	0.0000053916

PT DGN SO Name 21877 To the Point  
 GRID D SO Delta N 0.032 Delta E -0.123  
 Delta Elv -0.064  
 GPSVEC SO Point ID 521881 DX 1505.196 DY -2228.947  
 Class Stake out DZ -1840.603 Code 21881  
 Obs L1 Fixed H.pr 0.029 V.pr 0.053  
 GPSQC1 NM Min SVs 6 PDOP max 2.3  
 Relative DOPs Yes HDOP max 1.1  
 Total GPS pos 6 VDOP max 2.0  
 Monitor status Not monitored RMS 5.9  
 Horz SD Vert SD  
 Start wk 1575 sec 516613.0 End wk 1575 sec 516618.0  
 GPSQC2 NM Ttl satellites 6 Err Scale 0.0049268268  
 VCV xx 0.0000138626 VCV xy 0.0000100874  
 VCV xz -0.0000010058 VCV yy 0.0000164463  
 VCV yz -0.0000000176 VCV zz 0.0000068989

PT DGN SO Name 21881 To the Point  
 GRID D SO Delta N -0.129 Delta E -0.087  
 Delta Elv -0.059  
 GPSVEC SO Point ID 521880 DX 1527.253 DY -2263.750  
 Class Stake out DZ -1867.814 Code 21880  
 Obs L1 Fixed H.pr 0.020 V.pr 0.036  
 GPSQC1 NM Min SVs 6 PDOP max 2.3  
 Relative DOPs Yes HDOP max 1.1  
 Total GPS pos 6 VDOP max 2.0  
 Monitor status Not monitored RMS 6.3  
 Horz SD Vert SD  
 Start wk 1575 sec 516668.0 End wk 1575 sec 516673.0  
 GPSQC2 NM Ttl satellites 6 Err Scale 0.0034140835  
 VCV xx 0.0000065105 VCV xy 0.0000046824  
 VCV xz -0.0000005024 VCV yy 0.0000077069  
 VCV yz -0.0000000223 VCV zz 0.000003319

PT DGN SO Name 21880 To the Point  
 GRID D SO Delta N -0.259 Delta E 0.008  
 Delta Elv -0.004  
 GPSVEC SO Point ID 521871 DX 1549.396 DY -2298.816  
 Class Stake out DZ -1895.122 Code 21871  
 Obs L1 Fixed H.pr 0.026 V.pr 0.048  
 GPSQC1 NM Min SVs 6 PDOP max 3.2  
 Relative DOPs Yes HDOP max 1.5  
 Total GPS pos 6 VDOP max 2.8  
 Monitor status Not monitored RMS 5.7  
 Horz SD Vert SD  
 Start wk 1575 sec 516725.0 End wk 1575 sec 516730.0  
 GPSQC2 NM Ttl satellites 6 Err Scale 0.0042293128  
 VCV xx 0.0000113967 VCV xy 0.0000080636  
 VCV xz -0.0000008673 VCV yy 0.0000133815  
 VCV yz -0.0000000713 VCV zz 0.0000059971

PT DGN SO Name 21871 To the Point  
 GRID D SO Delta N -0.201 Delta E -0.088  
 Delta Elv -0.055  
 GPSVEC SO Point ID 521870 DX 1571.758 DY -2314.974  
 Class Stake out DZ -1900.524 Code 21870  
 Obs L1 Fixed H.pr 0.035 V.pr 0.065  
 GPSQC1 NM Min SVs 6 PDOP max 3.2  
 Relative DOPs Yes HDOP max 1.5  
 Total GPS pos 6 VDOP max 2.8  
 Monitor status Not monitored RMS 8.3  
 Horz SD Vert SD  
 Start wk 1575 sec 516784.0 End wk 1575 sec 516789.0  
 GPSQC2 NM Ttl satellites 6 Err Scale 0.00577879  
 VCV xx 0.0000207525 VCV xy 0.0000143908  
 VCV xz -0.0000017839 VCV yy 0.000024105  
 VCV yz -0.0000002078 VCV zz 0.0000114084

PT DGN SO Name 21870 To the Point  
 GRID D SO Delta N -0.032 Delta E -0.206  
 Delta Elv -0.069

SURVEY EVENTKISurvey event Survey ended  
 NOTE TS Time Date 04/02/2010 Time 09:20:13  
 SURVEY KI Elev mask 13 PDOP mask 6.0  
 SURVEY KI Elev mask 13 PDOP mask 6.0  
 SURVEY KI Elev mask 13 PDOP mask 6.0  
 SURVEY EVENTKISurvey event Rover survey started  
 GPSANT KI Antenna ht 0.000 Measurement True

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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 1577
          Init type On the fly      seconds 490848.0
          Init counter 1          Point ID <no text>
          Survey type Real Time      Plate H.Dist <null>
          Plate V.Dist <null>        Plate azimuth <null>

INIT    KI  Init event Lost          Week 1577
          Init type On the fly      seconds 490904.0
          Init counter 1          Point ID <no text>
          Survey type Real Time      Plate H.Dist <null>
          Plate V.Dist <null>        Plate azimuth <null>

INIT    KI  Init event Gained          Week 1577
          Init type On the fly      seconds 490904.0
          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 5800          Serial no 4516148184
          Antenna R8/5800/SPS78x 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=2.310

GPSANT  KI  Antenna ht 6.890          Measuremt Uncorrected

GPSVEC  SO  Point ID 520079CHK      DX 1905.166          DY -3168.272
          Class Stake out      DZ -2762.535          Code 520079
          Obs L1 Fixed          H.pr 0.020          V.pr 0.028

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 13.0
          Horz SD          Vert SD
          Start wk 1577 sec 491141.0 End wk 1577 sec 491146.0

GPSQC2  NM  Ttl satellites 10          Err Scale 0.005393663
          VCV xx 0.0000043697      VCV xy 0.0000018849
          VCV xz -0.0000000267      VCV yy 0.0000047486
          VCV yz -0.00000007114      VCV zz 0.0000031968

PT DGN  SO  Name 520079          To the Point

GRID D  SO  Delta N -0.043          Delta E -0.060
          Delta Elv -0.063

GPSVEC  SO  Point ID 520070      DX 1935.261          DY -3165.447
          Class Stake out      DZ -2742.838          Code 20070
          Obs L1 Fixed          H.pr 0.020          V.pr 0.029

GPSQC1  NM  Min SVs 9          PDOP max 1.3
          Relative DOPs Yes      HDOP max 0.8
          Total GPS pos 6          VDOP max 1.1
          Monitor status Not monitored RMS 10.6
          Horz SD          Vert SD
          Start wk 1577 sec 491190.0 End wk 1577 sec 491195.0

GPSQC2  NM  Ttl satellites 9          Err Scale 0.0051518125
          VCV xx 0.0000043626      VCV xy 0.0000015398
          VCV xz 0.0000002953      VCV yy 0.0000049421
          VCV yz -0.00000011756      VCV zz 0.0000035847

PT DGN  SO  Name 20070          To the Point

GRID D  SO  Delta N -0.058          Delta E 0.146
          Delta Elv 0.054

GPSVEC  SO  Point ID 520071      DX 1928.282          DY -3177.717
          Class Stake out      DZ -2760.940          Code 20071
          Obs L1 Fixed          H.pr 0.021          V.pr 0.030

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 12.5
          Horz SD          Vert SD
          Start wk 1577 sec 491264.0 End wk 1577 sec 491269.0

GPSQC2  NM  Ttl satellites 10          Err Scale 0.0057432633
          VCV xx 0.0000050085      VCV xy 0.0000023113
          VCV xz -0.0000001244      VCV yy 0.0000053498
          VCV yz -0.0000006814      VCV zz 0.0000034197
    
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PT DGN SO Name          20071          To the Point
GRID D SO Delta N      -0.040          Delta E      -0.294
        Delta Elv      0.010
GPSVEC SO Point ID 520072      DX  1923.191      DY  -3186.745
        Class Stake out      DZ  -2776.096      Code 20072
        Obs L1 Fixed          H.pr 0.022          V.pr 0.032
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      14.9
        Horz SD          Vert SD
        Start wk 1577 sec 491324.0      End wk 1577 sec 491329.0
GPSQC2 NM Ttl satellites 11          Err Scale 0.006499554
        VCV xx  0.0000062894      VCV xy  0.0000030668
        VCV xz  -0.0000004953      VCV yy  0.0000067695
        VCV yz  -0.0000006495      VCV zz  0.0000025679
PT DGN SO Name          20072          To the Point
GRID D SO Delta N      -0.194          Delta E      0.034
        Delta Elv      0.020
GPSVEC SO Point ID 520073      DX  1904.161      DY  -3185.311
        Class Stake out      DZ  -2785.927      Code 20073
        Obs L1 Fixed          H.pr 0.027          V.pr 0.038
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      19.6
        Horz SD          Vert SD
        Start wk 1577 sec 491410.0      End wk 1577 sec 491415.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0075128484
        VCV xx  0.0000084128      VCV xy  0.0000036594
        VCV xz  -0.0000002424      VCV yy  0.0000098984
        VCV yz  -0.0000016589      VCV zz  0.0000041513
PT DGN SO Name          20073          To the Point
GRID D SO Delta N      -0.126          Delta E      0.180
        Delta Elv      0.042
GPSVEC SO Point ID 520074      DX  1874.507      DY  -3174.988
        Class Stake out      DZ  -2790.499      Code 20074
        Obs L1 Fixed          H.pr 0.029          V.pr 0.041
GPSQC1 NM Min SVs          11          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  6      VDOP max  1.3
        Monitor status Not monitored      RMS      24.3
        Horz SD          Vert SD
        Start wk 1577 sec 491472.0      End wk 1577 sec 491477.0
GPSQC2 NM Ttl satellites 11          Err Scale 0.0077961059
        VCV xx  0.0000106981      VCV xy  0.0000060374
        VCV xz  -0.0000007497      VCV yy  0.0000116988
        VCV yz  -0.0000012424      VCV zz  0.0000037446
PT DGN SO Name          20074          To the Point
GRID D SO Delta N      -0.232          Delta E      0.130
        Delta Elv      0.071
GPSVEC SO Point ID 520075      DX  1844.949      DY  -3164.967
        Class Stake out      DZ  -2795.346      Code 20075
        Obs L1 Fixed          H.pr 0.023          V.pr 0.034
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      20.4
        Horz SD          Vert SD
        Start wk 1577 sec 491676.0      End wk 1577 sec 491681.0
GPSQC2 NM Ttl satellites 11          Err Scale 0.0069086934
        VCV xx  0.0000065321      VCV xy  0.0000034873
        VCV xz  -0.000000534      VCV yy  0.0000081876
        VCV yz  -0.0000008149      VCV zz  0.0000027204
PT DGN SO Name          20075          To the Point
GRID D SO Delta N      0.020          Delta E      -0.131
        Delta Elv      0.073
GPSVEC SO Point ID 520076      DX  1810.401      DY  -3152.914
        Class Stake out      DZ  -2800.573      Code 20076
        Obs L1 Fixed          H.pr 0.026          V.pr 0.037
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      22.0
        Horz SD          Vert SD
        Start wk 1577 sec 491734.0      End wk 1577 sec 491739.0
    
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GPSQC2 NM Ttl satellites 11 Err Scale 0.0076727467
          VCV xx 0.000084186 VCV xy 0.0000047376
          VCV xz -0.000009961 VCV yy 0.0000098312
          VCV yz -0.000007955 VCV zz 0.0000031878

PT DGN SO Name 20076 To the Point

GRID D SO Delta N -0.185 Delta E -0.105
          Delta Elv 0.066

GPSVEC SO Point ID 520055 DX 1770.360 DY -3138.811
          Class Stake out DZ -2806.457 Code 20055
          Obs L1 Fixed H.pr 0.033 V.pr 0.048

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 34.6
          Horz SD Vert SD
          Start wk 1577 sec 491790.0 End wk 1577 sec 491795.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0098499395
          VCV xx 0.0000121762 VCV xy 0.0000069453
          VCV xz -0.0000013666 VCV yy 0.0000176466
          VCV yz -0.0000013801 VCV zz 0.0000053783

PT DGN SO Name 20055 To the Point

GRID D SO Delta N -0.204 Delta E 0.040
          Delta Elv 0.066

GPSVEC SO Point ID 520064 DX 1792.760 DY -3092.566
          Class Stake out DZ -2735.901 Code 20064
          Obs L1 Fixed H.pr 0.021 V.pr 0.031

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 13.3
          Horz SD Vert SD
          Start wk 1577 sec 491905.0 End wk 1577 sec 491910.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0060417485
          VCV xx 0.0000053671 VCV xy 0.0000026139
          VCV xz -0.0000004487 VCV yy 0.0000068415
          VCV yz -0.0000011041 VCV zz 0.0000022535

PT DGN SO Name 20064 To the Point

GRID D SO Delta N -0.256 Delta E 0.058
          Delta Elv -0.024

GPSVEC SO Point ID 520066 DX 1810.993 DY -3102.169
          Class Stake out DZ -2737.216 Code 20066
          Obs L1 Fixed H.pr 0.023 V.pr 0.032

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 13.9
          Horz SD Vert SD
          Start wk 1577 sec 491943.0 End wk 1577 sec 491948.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0063745757
          VCV xx 0.0000056064 VCV xy 0.0000027181
          VCV xz -0.0000006786 VCV yy 0.0000076878
          VCV yz -0.0000012593 VCV zz 0.0000027849

PT DGN SO Name 20066 To the Point

GRID D SO Delta N -0.243 Delta E 0.145
          Delta Elv 0.050

GPSVEC SO Point ID 520067 DX 1841.291 DY -3117.899
          Class Stake out DZ -2738.849 Code 20067
          Obs L1 Fixed H.pr 0.024 V.pr 0.034

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 15.9
          Horz SD Vert SD
          Start wk 1577 sec 491998.0 End wk 1577 sec 492003.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0067252815
          VCV xx 0.000006227 VCV xy 0.0000033294
          VCV xz -0.0000005902 VCV yy 0.0000084145
          VCV yz -0.0000014624 VCV zz 0.0000032187

PT DGN SO Name 20067 To the Point

GRID D SO Delta N -0.117 Delta E -0.043
          Delta Elv -0.008

GPSVEC SO Point ID 520068 DX 1879.716 DY -3137.519
          Class Stake out DZ -2740.757 Code 20068
          Obs L1 Fixed H.pr 0.024 V.pr 0.033
    
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GPSQC1	NM	Min SVs	11	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	21.0
		Horz SD		Vert SD	
		Start wk 1577 sec	492047.0	End wk 1577 sec	492052.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0075346469
		VCV xx	0.0000052852	VCV xy	0.0000025375
		VCV xz	0.0000000782	VCV yy	0.000008931
		VCV yz	-0.0000011757	VCV zz	0.0000030026
PT DGN	SO	Name	20068	To the Point	
GRID D	SO	Delta N	0.039	Delta E	0.084
		Delta Elv	0.057		
GPSVEC	SO	Point ID 520069		DY	-3151.012
		Class Stake out		Code	20069
		Obs L1 Fixed	H.pr 0.022	V.pr	0.030
GPSQC1	NM	Min SVs	11	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	15.3
		Horz SD		Vert SD	
		Start wk 1577 sec	492091.0	End wk 1577 sec	492096.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0068175844
		VCV xx	0.0000040304	VCV xy	0.0000019472
		VCV xz	0.0000002012	VCV yy	0.000007696
		VCV yz	-0.0000008977	VCV zz	0.0000024005
PT DGN	SO	Name	20069	To the Point	
GRID D	SO	Delta N	-0.048	Delta E	0.141
		Delta Elv	-0.006		
GPSVEC	SO	Point ID 520044		DY	-3113.722
		Class Stake out		Code	20044
		Obs L1 Fixed	H.pr 0.023	V.pr	0.032
GPSQC1	NM	Min SVs	11	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	5	VDOP max	0.8
		Monitor status	Not monitored	RMS	23.0
		Horz SD		Vert SD	
		Start wk 1577 sec	492213.0	End wk 1577 sec	492218.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0072802557
		VCV xx	0.0000053636	VCV xy	0.0000029872
		VCV xz	-0.0000003382	VCV yy	0.0000083062
		VCV yz	-0.0000011533	VCV zz	0.0000025209
PT DGN	SO	Name	20044	To the Point	
GRID D	SO	Delta N	0.104	Delta E	0.042
		Delta Elv	-0.015		
GPSVEC	SO	Point ID 520045		DY	-3117.159
		Class Stake out		Code	20045
		Obs L1 Fixed	H.pr 0.021	V.pr	0.029
GPSQC1	NM	Min SVs	11	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	17.2
		Horz SD		Vert SD	
		Start wk 1577 sec	492263.0	End wk 1577 sec	492268.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0065763486
		VCV xx	0.0000037022	VCV xy	0.0000018405
		VCV xz	0.0000001086	VCV yy	0.000007342
		VCV yz	-0.0000008817	VCV zz	0.00000219
PT DGN	SO	Name	20045	To the Point	
GRID D	SO	Delta N	0.089	Delta E	-0.131
		Delta Elv	0.029		
GPSVEC	SO	Point ID 520046		DY	-3126.593
		Class Stake out		Code	20046
		Obs L1 Fixed	H.pr 0.020	V.pr	0.027
GPSQC1	NM	Min SVs	11	PDOP max	1.0
		Relative DOPs	Yes	HDOP max	0.6
		Total GPS pos	6	VDOP max	0.8
		Monitor status	Not monitored	RMS	13.7
		Horz SD		Vert SD	
		Start wk 1577 sec	492334.0	End wk 1577 sec	492339.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0061968733
		VCV xx	0.0000032769	VCV xy	0.0000016778
		VCV xz	0.00000007	VCV yy	0.000006569
		VCV yz	-0.0000007877	VCV zz	0.0000019301
PT DGN	SO	Name	20046	To the Point	
GRID D	SO	Delta N	-0.095	Delta E	0.411
		Delta Elv	0.060		

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GPSVEC SO Point ID 520047      DX  1771.903      DY  -3128.001
        Class Stake out      DZ  -2773.553      Code 20047
        Obs L1 Fixed         H.pr 0.023        V.pr 0.031

GPSQC1 NM Min SVs           11                PDOP max 1.0
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.8
        Monitor status Not monitored RMS 14.0
        Horz SD                Vert SD
        Start wk 1577 sec 492419.0 End wk 1577 sec 492424.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0070948377
        VCV xx 0.0000042733      VCV xy 0.0000022376
        VCV xz 0.0000000524      VCV yy 0.0000086425
        VCV yz -0.0000010367     VCV zz 0.0000025518

PT DGN SO Name                20047          To the Point

GRID D SO Delta N             -0.025          Delta E -0.055
        Delta Elv            -0.015

GPSVEC SO Point ID 520048      DX  1770.010      DY  -3127.582
        Class Stake out      DZ  -2774.158      Code 20048
        Obs L1 Fixed         H.pr 0.024        V.pr 0.033

GPSQC1 NM Min SVs           11                PDOP max 1.0
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.8
        Monitor status Not monitored RMS 27.0
        Horz SD                Vert SD
        Start wk 1577 sec 492452.0 End wk 1577 sec 492457.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0075852098
        VCV xx 0.0000049662      VCV xy 0.0000025957
        VCV xz -0.0000001418     VCV yy 0.0000100373
        VCV yz -0.0000014033     VCV zz 0.0000026874

PT DGN SO Name                20048          To the Point

GRID D SO Delta N             -0.133          Delta E -0.165
        Delta Elv            -0.024

GPSVEC SO Point ID 520049      DX  1716.700      DY  -3108.833
        Class Stake out      DZ  -2782.454      Code 20049
        Obs L1 Fixed         H.pr 0.024        V.pr 0.033

GPSQC1 NM Min SVs           11                PDOP max 1.0
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.8
        Monitor status Not monitored RMS 24.0
        Horz SD                Vert SD
        Start wk 1577 sec 492526.0 End wk 1577 sec 492531.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.007474788
        VCV xx 0.0000049339      VCV xy 0.0000029525
        VCV xz -0.0000003277     VCV yy 0.0000099004
        VCV yz -0.0000014398     VCV zz 0.0000023649

PT DGN SO Name                20049          To the Point

GRID D SO Delta N             -0.063          Delta E -0.245
        Delta Elv            0.072

GPSVEC SO Point ID 520050      DX  1667.874      DY  -3091.371
        Class Stake out      DZ  -2789.535      Code 20050
        Obs L1 Fixed         H.pr 0.022        V.pr 0.030

GPSQC1 NM Min SVs           11                PDOP max 1.0
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.8
        Monitor status Not monitored RMS 14.5
        Horz SD                Vert SD
        Start wk 1577 sec 492581.0 End wk 1577 sec 492586.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0068405969
        VCV xx 0.0000043828      VCV xy 0.0000027677
        VCV xz -0.0000003396     VCV yy 0.0000079459
        VCV yz -0.0000011887     VCV zz 0.000002084

PT DGN SO Name                20050          To the Point

GRID D SO Delta N             -0.318          Delta E -0.044
        Delta Elv            0.076

NOTE TS Time Date 04/02/2010 Time 09:50:45

GPSVEC SO Point ID 520051      DX  1620.937      DY  -3074.778
        Class Stake out      DZ  -2796.528      Code 20051
        Obs L1 Fixed         H.pr 0.029        V.pr 0.040

GPSQC1 NM Min SVs           11                PDOP max 1.0
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.8
        Monitor status Not monitored RMS 38.6
        Horz SD                Vert SD
        Start wk 1577 sec 492652.0 End wk 1577 sec 492657.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0091407653
        VCV xx 0.0000074876      VCV xy 0.0000041574
        VCV xz -0.0000004583     VCV yy 0.0000135297
        VCV yz -0.0000018759     VCV zz 0.0000047281
    
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PT DGN SO Name          20051          To the Point
GRID D SO Delta N      0.053          Delta E      -0.120
        Delta Elv      0.058
GPSVEC SO Point ID 520052      DX  1571.243      DY  -3056.255
        Class Stake out      DZ  -2802.766      Code 20052
        Obs L1 Fixed          H.pr 0.026          V.pr 0.036
GPSQC1 NM Min SVs          11          PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.2
        Monitor status Not monitored RMS 15.9
        Horz SD              Vert SD
        Start wk 1577 sec 492715.0 End wk 1577 sec 492720.0
GPSQC2 NM Ttl satellites 11          Err Scale 0.0075446498
        VCV xx 0.0000059317      VCV xy 0.0000033505
        VCV xz -0.0000004327      VCV yy 0.0000113404
        VCV yz -0.0000015776      VCV zz 0.0000031914
PT DGN SO Name          20052          To the Point
GRID D SO Delta N      -0.307          Delta E      -0.091
        Delta Elv      0.075
GPSVEC SO Point ID 520053      DX  1511.549      DY  -3034.230
        Class Stake out      DZ  -2810.396      Code 20053
        Obs L1 Fixed          H.pr 0.024          V.pr 0.031
GPSQC1 NM Min SVs          10          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 20.8
        Horz SD              Vert SD
        Start wk 1577 sec 492791.0 End wk 1577 sec 492796.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0066160723
        VCV xx 0.000003898      VCV xy 0.0000020726
        VCV xz -0.0000004253      VCV yy 0.0000075165
        VCV yz -0.0000010007      VCV zz 0.0000046713
PT DGN SO Name          20053          To the Point
GRID D SO Delta N      -0.080          Delta E      0.070
        Delta Elv      0.022
GPSVEC SO Point ID 520054      DX  1466.932      DY  -3017.574
        Class Stake out      DZ  -2815.891      Code 20054
        Obs L1 Fixed          H.pr 0.021          V.pr 0.027
GPSQC1 NM Min SVs          10          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 16.9
        Horz SD              Vert SD
        Start wk 1577 sec 492851.0 End wk 1577 sec 492856.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0057340479
        VCV xx 0.0000029044      VCV xy 0.0000016295
        VCV xz -0.0000002747      VCV yy 0.000006261
        VCV yz -0.000000727      VCV zz 0.0000030096
PT DGN SO Name          20054          To the Point
GRID D SO Delta N      -0.071          Delta E      0.078
        Delta Elv      0.005
GPSVEC SO Point ID 520015      DX  1419.209      DY  -2999.523
        Class Stake out      DZ  -2821.572      Code 20015
        Obs L1 Fixed          H.pr 0.023          V.pr 0.031
GPSQC1 NM Min SVs          10          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 20.1
        Horz SD              Vert SD
        Start wk 1577 sec 492934.0 End wk 1577 sec 492939.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0063699111
        VCV xx 0.0000035126      VCV xy 0.0000017454
        VCV xz -0.0000003715      VCV yy 0.0000074569
        VCV yz -0.0000010674      VCV zz 0.0000042152
PT DGN SO Name          20015          To the Point
GRID D SO Delta N      -0.378          Delta E      -0.107
        Delta Elv      0.044
GPSVEC SO Point ID 520024      DX  1478.183      DY  -2929.066
        Class Stake out      DZ  -2699.789      Code 20024
        Obs L1 Fixed          H.pr 0.022          V.pr 0.029
GPSQC1 NM Min SVs          10          PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 11.8
        Horz SD              Vert SD
        Start wk 1577 sec 493048.0 End wk 1577 sec 493053.0
    
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GPSQC2 NM Ttl satellites 10 Err Scale 0.0060948059
          VCV xx 0.0000032945 VCV xy 0.0000018788
          VCV xz -0.0000004508 VCV yy 0.0000073079
          VCV yz -0.000000945 VCV zz 0.0000035045

PT DGN SO Name 20024 To the Point

GRID D SO Delta N 0.079 Delta E -0.104
          Delta Elv -0.033

GPSVEC SO Point ID 520036 DX 1507.039 DY -2952.951
          Class Stake out DZ -2712.086 Code 20036
          Obs L1 Fixed H.pr 0.035 V.pr 0.046

GPSQC1 NM Min SVs 10 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 0.9
          Monitor status Not monitored RMS 12.1
          Horz SD Vert SD
          Start wk 1577 sec 493096.0 End wk 1577 sec 493101.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0094697289
          VCV xx 0.0000082283 VCV xy 0.0000050208
          VCV xz -0.0000014672 VCV yy 0.0000169269
          VCV yz -0.0000024824 VCV zz 0.0000091133

PT DGN SO Name 20036 To the Point

GRID D SO Delta N 0.020 Delta E -0.015
          Delta Elv 0.034

GPSVEC SO Point ID 520037 DX 1514.906 DY -2957.934
          Class Stake out DZ -2713.648 Code 20037
          Obs L1 Fixed H.pr 0.021 V.pr 0.028

GPSQC1 NM Min SVs 10 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 0.9
          Monitor status Not monitored RMS 14.8
          Horz SD Vert SD
          Start wk 1577 sec 493137.0 End wk 1577 sec 493142.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0056652818
          VCV xx 0.0000028423 VCV xy 0.0000016401
          VCV xz -0.0000004241 VCV yy 0.0000063588
          VCV yz -0.0000008483 VCV zz 0.0000031296

PT DGN SO Name 20037 To the Point

GRID D SO Delta N 0.149 Delta E -0.075
          Delta Elv 0.048

GPSVEC SO Point ID 520038 DX 1563.202 DY -2983.385
          Class Stake out DZ -2716.936 Code 20038
          Obs L1 Fixed H.pr 0.024 V.pr 0.031

GPSQC1 NM Min SVs 10 PDOP max 1.7
          Relative DOPs Yes HDOP max 1.0
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 13.0
          Horz SD Vert SD
          Start wk 1577 sec 493233.0 End wk 1577 sec 493238.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0059135691
          VCV xx 0.000003964 VCV xy 0.0000024362
          VCV xz -0.0000010163 VCV yy 0.0000079506
          VCV yz -0.0000014433 VCV zz 0.0000039602

PT DGN SO Name 20038 To the Point

GRID D SO Delta N -0.154 Delta E -0.049
          Delta Elv -0.019

GPSVEC SO Point ID 520039 DX 1607.680 DY -3006.975
          Class Stake out DZ -2720.301 Code 20039
          Obs L1 Fixed H.pr 0.023 V.pr 0.031

GPSQC1 NM Min SVs 10 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 0.9
          Monitor status Not monitored RMS 18.9
          Horz SD Vert SD
          Start wk 1577 sec 493289.0 End wk 1577 sec 493294.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0061999811
          VCV xx 0.0000036596 VCV xy 0.000002211
          VCV xz -0.0000009729 VCV yy 0.0000074836
          VCV yz -0.0000012999 VCV zz 0.0000039245

PT DGN SO Name 20039 To the Point

GRID D SO Delta N 0.013 Delta E -0.040
          Delta Elv 0.005

GPSVEC SO Point ID 520040 DX 1644.933 DY -3026.564
          Class Stake out DZ -2722.918 Code 20040
          Obs L1 Fixed H.pr 0.021 V.pr 0.028
    
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GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos 6          VDOP max  0.9
          Monitor status Not monitored RMS       12.7
          Horz SD                               Vert SD
          Start wk 1577 sec 493334.0        End wk 1577 sec 493339.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0055750199
          VCV xx 0.000002792        VCV xy 0.0000016671
          VCV xz -0.0000005696      VCV yy 0.0000063129
          VCV yz -0.0000009432      VCV zz 0.0000031518

PT DGN SO Name          20040          To the Point

GRID D SO Delta N      -0.074        Delta E    0.017
          Delta Elv    0.029

GPSVEC SO Point ID 520041      DX 1682.244      DY -3046.468
          Class Stake out      DZ -2725.920      Code 20041
          Obs L1 Fixed          H.pr 0.026        V.pr 0.035

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos 6          VDOP max  0.9
          Monitor status Not monitored RMS       19.0
          Horz SD                               Vert SD
          Start wk 1577 sec 493385.0        End wk 1577 sec 493390.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0069874623
          VCV xx 0.0000046104      VCV xy 0.0000030037
          VCV xz -0.0000013629      VCV yy 0.0000098322
          VCV yz -0.0000019122      VCV zz 0.0000049439

PT DGN SO Name          20041          To the Point

GRID D SO Delta N      0.273         Delta E    -0.048
          Delta Elv    0.070

GPSVEC SO Point ID 520042      DX 1713.181      DY -3069.413
          Class Stake out      DZ -2735.776      Code 20042
          Obs L1 Fixed          H.pr 0.026        V.pr 0.035

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos 6          VDOP max  0.9
          Monitor status Not monitored RMS       11.1
          Horz SD                               Vert SD
          Start wk 1577 sec 493429.0        End wk 1577 sec 493434.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0069414652
          VCV xx 0.0000044072      VCV xy 0.0000031437
          VCV xz -0.0000012071      VCV yy 0.0000104577
          VCV yz -0.0000019951      VCV zz 0.0000043815

PT DGN SO Name          20042          To the Point

GRID D SO Delta N      -0.103        Delta E    -0.007
          Delta Elv    0.020

GPSVEC SO Point ID 520043      DX 1742.890      DY -3091.657
          Class Stake out      DZ -2745.650      Code 20043
          Obs L1 Fixed          H.pr 0.029        V.pr 0.038

GPSQC1 NM Min SVs      10          PDOP max  1.2
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos 6          VDOP max  0.9
          Monitor status Not monitored RMS       23.9
          Horz SD                               Vert SD
          Start wk 1577 sec 493480.0        End wk 1577 sec 493485.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0076794149
          VCV xx 0.0000051171      VCV xy 0.0000028447
          VCV xz -0.0000012932      VCV yy 0.0000125101
          VCV yz -0.0000022693      VCV zz 0.0000060932

PT DGN SO Name          20043          To the Point

GRID D SO Delta N      -0.007        Delta E    -0.106
          Delta Elv    0.060

GPSVEC SO Point ID 520006      DX 1440.237      DY -2959.323
          Class Stake out      DZ -2729.095      Code 20006
          Obs L1 Fixed          H.pr 0.020        V.pr 0.027

GPSQC1 NM Min SVs      11          PDOP max  1.1
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos 6          VDOP max  0.9
          Monitor status Not monitored RMS       11.8
          Horz SD                               Vert SD
          Start wk 1577 sec 493878.0        End wk 1577 sec 493883.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0056869118
          VCV xx 0.0000031548      VCV xy 0.0000016703
          VCV xz -0.0000010211      VCV yy 0.000004597
          VCV yz -0.0000008509      VCV zz 0.0000039516

PT DGN SO Name          20006          To the Point

GRID D SO Delta N      -0.123        Delta E    0.026
          Delta Elv    0.047
    
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GPSVEC SO Point ID 520005      DX  1431.215      DY  -2968.384
        Class Stake out      DZ  -2745.917      Code 20005
        Obs L1 Fixed         H.pr 0.021       V.pr 0.028

GPSQC1 NM Min SVs           11                PDOP max  1.1
        Relative DOPs      Yes                HDOP max  0.7
        Total GPS pos      6                VDOP max  0.9
        Monitor status      Not monitored      RMS       16.1
        Horz SD              Vert SD
        Start wk 1577 sec 493936.0           End wk 1577  sec 493941.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.00585532
        VCV xx      0.0000033131           VCV xy    0.0000017493
        VCV xz      -0.0000010994          VCV yy    0.0000049649
        VCV yz      -0.0000009243          VCV zz    0.0000042816

PT DGN SO Name              20005                To the Point

GRID D SO Delta N           -0.016            Delta E    0.309
        Delta Elv          0.076

GPSVEC SO Point ID 520029      DX  1423.521      DY  -2976.771
        Class Stake out      DZ  -2760.910      Code 20029
        Obs L1 Fixed         H.pr 0.021       V.pr 0.028

GPSQC1 NM Min SVs           11                PDOP max  1.1
        Relative DOPs      Yes                HDOP max  0.7
        Total GPS pos      6                VDOP max  0.9
        Monitor status      Not monitored      RMS       13.8
        Horz SD              Vert SD
        Start wk 1577 sec 494001.0           End wk 1577  sec 494006.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.005773535
        VCV xx      0.0000032753           VCV xy    0.0000017553
        VCV xz      -0.000001176          VCV yy    0.0000048343
        VCV yz      -0.0000009625          VCV zz    0.0000042699

PT DGN SO Name              20029                To the Point

GRID D SO Delta N           0.209             Delta E    0.126
        Delta Elv          -0.007

GPSVEC SO Point ID 520004      DX  1419.160      DY  -2981.198
        Class Stake out      DZ  -2768.590      Code 20004
        Obs L1 Fixed         H.pr 0.024       V.pr 0.031

GPSQC1 NM Min SVs           11                PDOP max  1.1
        Relative DOPs      Yes                HDOP max  0.7
        Total GPS pos      6                VDOP max  0.9
        Monitor status      Not monitored      RMS       16.9
        Horz SD              Vert SD
        Start wk 1577 sec 494072.0           End wk 1577  sec 494077.0

GPSQC2 NM Ttl satellites 11                Err Scale 0.0064788349
        VCV xx      0.0000044537           VCV xy    0.0000028343
        VCV xz      -0.0000018205          VCV yy    0.0000064774
        VCV yz      -0.0000017434          VCV zz    0.0000048916

PT DGN SO Name              20004                To the Point

GRID D SO Delta N           -0.154            Delta E    0.231
        Delta Elv          0.062

GPSVEC SO Point ID 520003      DX  1384.655      DY  -2967.948
        Class Stake out      DZ  -2772.165      Code 20003
        Obs L1 Fixed         H.pr 0.052       V.pr 0.072

GPSQC1 NM Min SVs           10                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.7
        Total GPS pos      6                VDOP max  1.0
        Monitor status      Not monitored      RMS       21.4
        Horz SD              Vert SD
        Start wk 1577 sec 494169.0           End wk 1577  sec 494174.0

GPSQC2 NM Ttl satellites 10                Err Scale 0.0132793384
        VCV xx      0.0000261715           VCV xy    0.0000220732
        VCV xz      -0.0000148376          VCV yy    0.0000341177
        VCV yz      -0.0000144631          VCV zz    0.0000220211

PT DGN SO Name              20003                To the Point

GRID D SO Delta N           -0.457            Delta E    -0.020
        Delta Elv          0.080

GPSVEC SO Point ID 520002      DX  1349.341      DY  -2954.593
        Class Stake out      DZ  -2776.171      Code 20002
        Obs L1 Fixed         H.pr 0.023       V.pr 0.033

GPSQC1 NM Min SVs           10                PDOP max  1.3
        Relative DOPs      Yes                HDOP max  0.8
        Total GPS pos      6                VDOP max  1.1
        Monitor status      Not monitored      RMS       20.6
        Horz SD              Vert SD
        Start wk 1577 sec 494325.0           End wk 1577  sec 494330.0

GPSQC2 NM Ttl satellites 10                Err Scale 0.0057935249
        VCV xx      0.0000048721           VCV xy    0.0000042576
        VCV xz      -0.0000030207          VCV yy    0.0000068321
        VCV yz      -0.0000030009          VCV zz    0.0000046495

PT DGN SO Name              20002                To the Point
    
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GRID D SO Delta N      -0.628          Delta E      0.046
        Delta Elv     0.052
NOTE    TS Time Date 04/02/2010 Time 10:20:59
GPSVEC SO Point ID 520001      DX 1302.735      DY -2937.027
        Class Stake out      DZ -2781.602      Code 20001
        Obs L1 Fixed          H.pr 0.026        V.pr 0.038
GPSQC1 NM Min SVs          10                PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored RMS 24.4
        Horz SD                Vert SD
        Start wk 1577 sec 494465.0 End wk 1577 sec 494470.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0065959007
        VCV xx 0.000003785      VCV xy 0.0000030122
        VCV xz 0.0000003186      VCV yy 0.0000095156
        VCV yz -0.0000029236     VCV zz 0.0000087416
PT DGN SO Name          20001          To the Point
GRID D SO Delta N      -0.723          Delta E      -0.003
        Delta Elv     0.055
GPSVEC SO Point ID 520000      DX 1263.013      DY -2922.264
        Class Stake out      DZ -2786.566      Code 20000
        Obs L1 Fixed          H.pr 0.037        V.pr 0.055
GPSQC1 NM Min SVs          10                PDOP max 1.4
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored RMS 41.6
        Horz SD                Vert SD
        Start wk 1577 sec 494635.0 End wk 1577 sec 494640.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0092458436
        VCV xx 0.0000063616      VCV xy 0.0000049936
        VCV xz 0.000001864      VCV yy 0.0000195815
        VCV yz -0.0000058072     VCV zz 0.0000194949
PT DGN SO Name          20000          To the Point
GRID D SO Delta N      -0.439          Delta E      0.041
        Delta Elv     0.089
GPSVEC SO Point ID 520595      DX 1204.329      DY -2900.913
        Class Stake out      DZ -2794.400      Code 20595
        Obs L1 Fixed          H.pr 0.032        V.pr 0.049
GPSQC1 NM Min SVs          10                PDOP max 2.0
        Relative DOPs Yes      HDOP max 1.1
        Total GPS pos 6        VDOP max 1.6
        Monitor status Not monitored RMS 33.0
        Horz SD                Vert SD
        Start wk 1577 sec 494778.0 End wk 1577 sec 494783.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0073225563
        VCV xx 0.0000051951      VCV xy 0.0000043637
        VCV xz 0.00000069        VCV yy 0.0000164619
        VCV yz -0.0000053182     VCV zz 0.0000129711
PT DGN SO Name          20595          To the Point
GRID D SO Delta N      -0.042          Delta E      -0.418
        Delta Elv     0.084
GPSVEC SO Point ID 520590      DX 1151.340      DY -2880.744
        Class Stake out      DZ -2800.697      Code 20590
        Obs L1 Fixed          H.pr 0.032        V.pr 0.050
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 26.5
        Horz SD                Vert SD
        Start wk 1577 sec 494865.0 End wk 1577 sec 494870.0
GPSQC2 NM Ttl satellites 10          Err Scale 0.0079383357
        VCV xx 0.0000060618      VCV xy 0.0000039868
        VCV xz 0.000001402      VCV yy 0.0000141461
        VCV yz -0.0000043529     VCV zz 0.0000155364
PT DGN SO Name          20590          To the Point
GRID D SO Delta N      -0.502          Delta E      0.105
        Delta Elv     0.093
GPSVEC SO Point ID 520589      DX 1112.164      DY -2865.488
        Class Stake out      DZ -2802.140      Code 20589
        Obs L1 Fixed          H.pr 0.023        V.pr 0.037
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 21.7
        Horz SD                Vert SD
        Start wk 1577 sec 494944.0 End wk 1577 sec 494949.0

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GPSQC2 NM Ttl satellites 10 Err Scale 0.0057986206
VCV xx 0.0000034487 VCV xy 0.000002592
VCV xz 0.0000003659 VCV yy 0.0000082084
VCV yz -0.0000025849 VCV zz 0.0000078421

PT DGN SO Name 20589 To the Point

GRID D SO Delta N -0.565 Delta E -0.282
Delta Elv 0.035

GPSVEC SO Point ID 520584 DX 1046.813 DY -2840.409
Class Stake out DZ -2806.719 Code 20584
Obs L1 Fixed H.pr 0.025 V.pr 0.041

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 22.4
Horz SD Vert SD
Start wk 1577 sec 495028.0 End wk 1577 sec 495033.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0063094781
VCV xx 0.0000042679 VCV xy 0.0000030262
VCV xz 0.0000006094 VCV yy 0.0000099581
VCV yz -0.00000030976 VCV zz 0.0000094051

PT DGN SO Name 20584 To the Point

GRID D SO Delta N -0.203 Delta E -0.017
Delta Elv 0.083

GPSVEC SO Point ID 520583 DX 997.388 DY -2821.880
Class Stake out DZ -2811.614 Code 20583
Obs L1 Fixed H.pr 0.027 V.pr 0.044

GPSQC1 NM Min SVs 10 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 20.0
Horz SD Vert SD
Start wk 1577 sec 495093.0 End wk 1577 sec 495098.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0067137298
VCV xx 0.0000053697 VCV xy 0.0000040009
VCV xz 0.0000001712 VCV yy 0.0000121453
VCV yz -0.0000039251 VCV zz 0.0000097234

PT DGN SO Name 20583 To the Point

GRID D SO Delta N -0.435 Delta E -0.044
Delta Elv 0.064

GPSVEC SO Point ID 520578 DX 946.527 DY -2803.291
Class Stake out DZ -2818.276 Code 20578
Obs L1 Fixed H.pr 0.019 V.pr 0.031

GPSQC1 NM Min SVs 10 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 19.9
Horz SD Vert SD
Start wk 1577 sec 495156.0 End wk 1577 sec 495161.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0047778594
VCV xx 0.0000024711 VCV xy 0.0000020871
VCV xz 0.000000163 VCV yy 0.0000065573
VCV yz -0.0000020432 VCV zz 0.0000050044

PT DGN SO Name 20578 To the Point

GRID D SO Delta N -0.214 Delta E -0.174
Delta Elv 0.025

GPSVEC SO Point ID 520577 DX 890.527 DY -2782.886
Class Stake out DZ -2825.822 Code 20577
Obs L1 Fixed H.pr 0.029 V.pr 0.048

GPSQC1 NM Min SVs 10 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 17.9
Horz SD Vert SD
Start wk 1577 sec 495238.0 End wk 1577 sec 495243.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0071437415
VCV xx 0.0000051101 VCV xy 0.0000053301
VCV xz -0.0000003201 VCV yy 0.0000170605
VCV yz -0.0000058378 VCV zz 0.000009894

PT DGN SO Name 20577 To the Point

GRID D SO Delta N -0.157 Delta E 0.076
Delta Elv 0.049

GPSVEC SO Point ID 520572 DX 831.419 DY -2761.388
Class Stake out DZ -2833.867 Code 20572
Obs L1 Fixed H.pr 0.022 V.pr 0.038
    
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GPSQC1 NM Min SVs      10          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos 6          VDOP max  1.3
          Monitor status Not monitored RMS       15.1
          Horz SD                               Vert SD
          Start wk 1577 sec 495307.0        End wk 1577 sec 495312.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0055786008
          VCV xx 0.0000034851        VCV xy 0.0000037189
          VCV xz -0.0000004882        VCV yy 0.0000107269
          VCV yz -0.0000037064        VCV zz 0.0000056969

PT DGN SO Name          20572          To the Point

GRID D SO Delta N      -0.129         Delta E      0.105
          Delta Elv     0.064

GPSVEC SO Point ID 520712          DX 807.716          DY -2752.673
          Class Stake out          DZ -2837.016         Code 20712
          Obs L1 Fixed              H.pr 0.022          V.pr 0.038

GPSQC1 NM Min SVs      10          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos 6          VDOP max  1.3
          Monitor status Not monitored RMS       22.9
          Horz SD                               Vert SD
          Start wk 1577 sec 495366.0        End wk 1577 sec 495371.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0055180844
          VCV xx 0.0000029395        VCV xy 0.000002959
          VCV xz -0.0000001077        VCV yy 0.000010652
          VCV yz -0.0000035855        VCV zz 0.0000061834

PT DGN SO Name          20712          To the Point

GRID D SO Delta N      0.229          Delta E      0.139
          Delta Elv     0.071

GPSVEC SO Point ID 520571          DX 776.766          DY -2741.075
          Class Stake out          DZ -2839.906         Code 20571
          Obs L1 Fixed              H.pr 0.019          V.pr 0.033

GPSQC1 NM Min SVs      10          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos 6          VDOP max  1.3
          Monitor status Not monitored RMS       14.1
          Horz SD                               Vert SD
          Start wk 1577 sec 495421.0        End wk 1577 sec 495426.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.004806492
          VCV xx 0.0000024029        VCV xy 0.0000020997
          VCV xz 0.000000064          VCV yy 0.0000076613
          VCV yz -0.0000025273        VCV zz 0.0000051467

PT DGN SO Name          20571          To the Point

GRID D SO Delta N      -0.082         Delta E      0.072
          Delta Elv     0.042

GPSVEC SO Point ID 520566          DX 726.195          DY -2721.873
          Class Stake out          DZ -2844.570         Code 20566
          Obs L1 Fixed              H.pr 0.019          V.pr 0.034

GPSQC1 NM Min SVs      10          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos 6          VDOP max  1.3
          Monitor status Not monitored RMS       12.0
          Horz SD                               Vert SD
          Start wk 1577 sec 495480.0        End wk 1577 sec 495485.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0048454995
          VCV xx 0.0000027797        VCV xy 0.000002383
          VCV xz 0.0000000466        VCV yy 0.0000077068
          VCV yz -0.000002369         VCV zz 0.0000051959

PT DGN SO Name          20566          To the Point

GRID D SO Delta N      -0.264         Delta E      -0.215
          Delta Elv     0.040

GPSVEC SO Point ID 520549          DX 683.709          DY -2705.995
          Class Stake out          DZ -2848.764         Code 20549
          Obs L1 Fixed              H.pr 0.020          V.pr 0.034

GPSQC1 NM Min SVs      10          PDOP max  1.5
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos 6          VDOP max  1.3
          Monitor status Not monitored RMS       10.5
          Horz SD                               Vert SD
          Start wk 1577 sec 495557.0        End wk 1577 sec 495562.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0048761629
          VCV xx 0.0000029196        VCV xy 0.0000025037
          VCV xz 0.0000000068        VCV yy 0.0000079986
          VCV yz -0.0000024401        VCV zz 0.0000052535

PT DGN SO Name          20549          To the Point

GRID D SO Delta N      0.103          Delta E      -0.135
          Delta Elv     0.046
    
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GPSVEC SO Point ID 520548 DX 723.661 DY -2677.632
Class Stake out DZ -2792.300 Code 20548
Obs L1 Fixed H.pr 0.021 V.pr 0.038

GPSQC1 NM Min SVs 10 PDOP max 2.2
Relative DOPs Yes HDOP max 1.1
Total GPS pos 4 VDOP max 1.9
Monitor status Not monitored RMS 10.2
Horz SD Vert SD
Start wk 1577 sec 495639.0 End wk 1577 sec 495644.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0049088034
VCV xx 0.0000035671 VCV xy 0.0000030925
VCV xz -0.0000000673 VCV yy 0.0000009749
VCV yz -0.0000029664 VCV zz 0.0000061613

PT DGN SO Name 20548 To the Point

GRID D SO Delta N -0.008 Delta E -0.224
Delta Elv 0.021

GPSVEC SO Point ID 520543 DX 749.355 DY -2659.013
Class Stake out DZ -2755.861 Code 20543
Obs L1 Fixed H.pr 0.017 V.pr 0.031

GPSQC1 NM Min SVs 10 PDOP max 1.6
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 10.7
Horz SD Vert SD
Start wk 1577 sec 495717.0 End wk 1577 sec 495722.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0042692409
VCV xx 0.000002332 VCV xy 0.0000020333
VCV xz -0.0000000689 VCV yy 0.0000065093
VCV yz -0.0000019634 VCV zz 0.000003996

PT DGN SO Name 20543 To the Point

GRID D SO Delta N 0.132 Delta E -0.282
Delta Elv 0.006

GPSVEC SO Point ID 521517 DX 1400.685 DY -2552.611
Class Stake out DZ -2275.534 Code 21517
Obs L1 Fixed H.pr 0.020 V.pr 0.038

GPSQC1 NM Min SVs 10 PDOP max 1.6
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 14.3
Horz SD Vert SD
Start wk 1577 sec 496070.0 End wk 1577 sec 496075.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0050484668
VCV xx 0.0000039481 VCV xy 0.0000037601
VCV xz -0.000000679 VCV yy 0.0000102124
VCV yz -0.0000032721 VCV zz 0.0000049201

PT DGN SO Name 21517 To the Point

GRID D SO Delta N 0.147 Delta E 0.406
Delta Elv 0.028

GPSVEC SO Point ID 521518 DX 1392.439 DY -2564.788
Class Stake out DZ -2294.504 Code 21518
Obs L1 Fixed H.pr 0.017 V.pr 0.033

GPSQC1 NM Min SVs 10 PDOP max 1.6
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 9.5
Horz SD Vert SD
Start wk 1577 sec 496126.0 End wk 1577 sec 496131.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0043104403
VCV xx 0.000002581 VCV xy 0.0000022995
VCV xz -0.0000002474 VCV yy 0.0000074948
VCV yz -0.0000021742 VCV zz 0.0000039356

PT DGN SO Name 21518 To the Point

GRID D SO Delta N 0.061 Delta E 0.588
Delta Elv 0.079

GPSVEC SO Point ID 521523 DX 1387.245 DY -2579.542
Class Stake out DZ -2314.617 Code 21523
Obs L1 Fixed H.pr 0.017 V.pr 0.033

GPSQC1 NM Min SVs 10 PDOP max 1.6
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 9.0
Horz SD Vert SD
Start wk 1577 sec 496177.0 End wk 1577 sec 496182.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0043402393
VCV xx 0.0000026487 VCV xy 0.000002411
VCV xz -0.0000003165 VCV yy 0.000007749
VCV yz -0.0000022675 VCV zz 0.0000038936

PT DGN SO Name 21523 To the Point
    
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GRID D SO Delta N      0.117          Delta E      0.359
        Delta Elv    0.094

GPSVEC SO Point ID 520608      DX  1375.955      DY  -2621.811
        Class Stake out      DZ  -2369.913      Code 20608
        Obs L1 Fixed          H.pr 0.015          V.pr 0.030

GPSQC1 NM Min SVs          10          PDOP max  2.3
        Relative DOPs Yes      HDOP max  1.1
        Total GPS pos  6          VDOP max  2.1
        Monitor status Not monitored      RMS      8.4
        Horz SD          Vert SD
        Start wk 1577 sec 496250.0      End wk 1577 sec 496255.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0036118757
        VCV xx  0.0000021757      VCV xy  0.0000019616
        VCV xz  -0.000000272      VCV yy  0.0000063168
        VCV yz  -0.0000018173      VCV zz  0.0000031419

PT DGN SO Name          20608          To the Point

GRID D SO Delta N      -0.083          Delta E      0.337
        Delta Elv    0.039

NOTE TS Time Date 04/02/2010 Time 10:51:52

GPSVEC SO Point ID 520607      DX  1366.187      DY  -2659.804
        Class Stake out      DZ  -2419.535      Code 20607
        Obs L1 Fixed          H.pr 0.018          V.pr 0.035

GPSQC1 NM Min SVs          10          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6          VDOP max  1.5
        Monitor status Not monitored      RMS      10.5
        Horz SD          Vert SD
        Start wk 1577 sec 496319.0      End wk 1577 sec 496324.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0045850086
        VCV xx  0.0000029691      VCV xy  0.0000026949
        VCV xz  -0.0000003946      VCV yy  0.000008903
        VCV yz  -0.0000025581      VCV zz  0.0000042921

PT DGN SO Name          20607          To the Point

GRID D SO Delta N      0.192          Delta E      0.289
        Delta Elv    0.063

GPSVEC SO Point ID 520602      DX  1356.612      DY  -2700.408
        Class Stake out      DZ  -2471.936      Code 20602
        Obs L1 Fixed          H.pr 0.019          V.pr 0.038

GPSQC1 NM Min SVs          10          PDOP max  2.3
        Relative DOPs Yes      HDOP max  1.1
        Total GPS pos  5          VDOP max  2.1
        Monitor status Not monitored      RMS      8.1
        Horz SD          Vert SD
        Start wk 1577 sec 496395.0      End wk 1577 sec 496400.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0045634918
        VCV xx  0.0000038304      VCV xy  0.0000037796
        VCV xz  -0.0000008915      VCV yy  0.0000105376
        VCV yz  -0.0000031716      VCV zz  0.0000044105

PT DGN SO Name          20602          To the Point

GRID D SO Delta N      0.012          Delta E      -0.372
        Delta Elv    0.010

GPSVEC SO Point ID 520601      DX  1346.861      DY  -2736.575
        Class Stake out      DZ  -2519.355      Code 20601
        Obs L1 Fixed          H.pr 0.016          V.pr 0.033

GPSQC1 NM Min SVs          10          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6          VDOP max  1.5
        Monitor status Not monitored      RMS      13.2
        Horz SD          Vert SD
        Start wk 1577 sec 496463.0      End wk 1577 sec 496468.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0041992161
        VCV xx  0.0000025344      VCV xy  0.0000023112
        VCV xz  -0.0000003904      VCV yy  0.0000076327
        VCV yz  -0.0000021544      VCV zz  0.000003507

PT DGN SO Name          20601          To the Point

GRID D SO Delta N      -0.123          Delta E      0.313
        Delta Elv    0.014

GPSVEC SO Point ID 560001      DX  1336.204      DY  -2780.150
        Class Stake out      DZ  -2575.766      Code 60001
        Obs L1 Fixed          H.pr 0.015          V.pr 0.030

GPSQC1 NM Min SVs          10          PDOP max  1.7
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6          VDOP max  1.5
        Monitor status Not monitored      RMS      9.0
        Horz SD          Vert SD
        Start wk 1577 sec 496548.0      End wk 1577 sec 496553.0
    
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GPSQC2 NM Ttl satellites 10 Err Scale 0.0039007559
VCV xx 0.0000022101 VCV xy 0.0000020163
VCV xz -0.0000003718 VCV yy 0.0000066517
VCV yz -0.0000018775 VCV zz 0.0000029675

PT DGN SO Name 60001 To the Point

GRID D SO Delta N 0.095 Delta E -0.077
Delta Elv -0.076

GPSVEC SO Point ID 520596 DX 1344.295 DY -2816.171
Class Stake out DZ -2612.692 Code 20596
Obs L1 Fixed H.pr 0.018 V.pr 0.037

GPSQC1 NM Min SVs 10 PDOP max 1.7
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 11.7
Horz SD Vert SD
Start wk 1577 sec 496605.0 End wk 1577 sec 496610.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0047215289
VCV xx 0.0000032298 VCV xy 0.0000029449
VCV xz -0.0000005532 VCV yy 0.0000098037
VCV yz -0.0000027219 VCV zz 0.000004309

PT DGN SO Name 20596 To the Point

GRID D SO Delta N 0.043 Delta E 0.117
Delta Elv 0.027

GPSVEC SO Point ID 520011 DX 1350.459 DY -2832.220
Class Stake out DZ -2627.409 Code 20011
Obs L1 Fixed H.pr 0.016 V.pr 0.032

GPSQC1 NM Min SVs 10 PDOP max 1.7
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 9.0
Horz SD Vert SD
Start wk 1577 sec 496660.0 End wk 1577 sec 496665.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0041657011
VCV xx 0.0000025218 VCV xy 0.0000023009
VCV xz -0.0000004507 VCV yy 0.0000076662
VCV yz -0.0000021106 VCV zz 0.0000033098

PT DGN SO Name 20011 To the Point

GRID D SO Delta N -0.022 Delta E 0.248
Delta Elv 0.025

GPSVEC SO Point ID 520010 DX 1365.115 DY -2858.718
Class Stake out DZ -2649.927 Code 20010
Obs L1 Fixed H.pr 0.018 V.pr 0.036

GPSQC1 NM Min SVs 10 PDOP max 1.7
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 10.0
Horz SD Vert SD
Start wk 1577 sec 496723.0 End wk 1577 sec 496728.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0045790719
VCV xx 0.0000030714 VCV xy 0.000002826
VCV xz -0.0000005986 VCV yy 0.0000093083
VCV yz -0.0000025669 VCV zz 0.0000039117

PT DGN SO Name 20010 To the Point

GRID D SO Delta N 0.068 Delta E 0.217
Delta Elv 0.061

GPSVEC SO Point ID 520009 DX 1384.645 DY -2890.442
Class Stake out DZ -2676.718 Code 20009
Obs L1 Fixed H.pr 0.015 V.pr 0.031

GPSQC1 NM Min SVs 10 PDOP max 2.3
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.1
Monitor status Not monitored RMS 10.4
Horz SD Vert SD
Start wk 1577 sec 496774.0 End wk 1577 sec 496779.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0037337199
VCV xx 0.0000025004 VCV xy 0.0000024327
VCV xz -0.0000005913 VCV yy 0.0000072642
VCV yz -0.0000020408 VCV zz 0.0000028514

PT DGN SO Name 20009 To the Point

GRID D SO Delta N 0.080 Delta E 0.063
Delta Elv 0.031

GPSVEC SO Point ID 520008 DX 1412.175 DY -2931.380
Class Stake out DZ -2711.042 Code 20008
Obs L1 Fixed H.pr 0.015 V.pr 0.031

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GPSQC1 NM Min SVs      10          PDOP max  1.6
          Relative DOPs Yes        HDOP max  0.7
          Total GPS pos  6          VDOP max  1.5
          Monitor status Not monitored RMS        9.1
          Horz SD
          Start wk 1577 sec 496821.0 End wk 1577 sec 496826.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0039285477
          VCV xx  0.0000022391      VCV xy   0.0000020679
          VCV xz  -0.0000004573      VCV yy   0.0000069042
          VCV yz  -0.0000018769      VCV zz   0.0000028039

PT DGN SO Name          20008          To the Point

GRID D SO Delta N      0.188          Delta E      0.035
          Delta Elv    0.001

GPSVEC SO Point ID 520007      DX  1429.929      DY  -2950.640
          Class Stake out      DZ  -2724.294      Code 20007
          Obs L1 Fixed          H.pr 0.017          V.pr 0.034

GPSQC1 NM Min SVs      10          PDOP max  1.3
          Relative DOPs Yes        HDOP max  0.6
          Total GPS pos  6          VDOP max  1.2
          Monitor status Not monitored RMS        8.3
          Horz SD
          Start wk 1577 sec 496876.0 End wk 1577 sec 496881.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0046577719
          VCV xx  0.0000027328      VCV xy   0.000002507
          VCV xz  -0.0000005655      VCV yy   0.0000084997
          VCV yz  -0.0000022791      VCV zz   0.0000034176

PT DGN SO Name          20007          To the Point

GRID D SO Delta N      -0.198          Delta E      -0.148
          Delta Elv    -0.055

GPSVEC SO Point ID 521882      DX  1479.872      DY  -2216.441
          Class Stake out      DZ  -1842.097      Code 21882
          Obs L1 Fixed          H.pr 0.020          V.pr 0.039

GPSQC1 NM Min SVs      9           PDOP max  1.7
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  6          VDOP max  1.5
          Monitor status Not monitored RMS        13.4
          Horz SD
          Start wk 1577 sec 497454.0 End wk 1577 sec 497459.0

GPSQC2 NM Ttl satellites 9           Err Scale 0.0049054157
          VCV xx  0.0000025335      VCV xy   0.0000025292
          VCV xz  -0.0000007655      VCV yy   0.0000133499
          VCV yz  -0.000003666        VCV zz   0.000003401

PT DGN SO Name          21882          To the Point

GRID D SO Delta N      0.028          Delta E      -0.026
          Delta Elv    0.079

GPSVEC SO Point ID 521883      DX  1463.851      DY  -2214.713
          Class Stake out      DZ  -1849.754      Code 21883
          Obs L1 Fixed          H.pr 0.018          V.pr 0.034

GPSQC1 NM Min SVs      9           PDOP max  1.7
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  5          VDOP max  1.5
          Monitor status Not monitored RMS        12.2
          Horz SD
          Start wk 1577 sec 497569.0 End wk 1577 sec 497574.0

GPSQC2 NM Ttl satellites 9           Err Scale 0.0044400427
          VCV xx  0.0000022286      VCV xy   0.0000028504
          VCV xz  -0.0000009472      VCV yy   0.0000108083
          VCV yz  -0.0000031237      VCV zz   0.000002363

PT DGN SO Name          21883          To the Point

GRID D SO Delta N      0.329          Delta E      0.167
          Delta Elv    0.079

GPSVEC SO Point ID 521884      DX  1451.308      DY  -2203.112
          Class Stake out      DZ  -1841.482      Code 21884
          Obs L1 Fixed          H.pr 0.019          V.pr 0.038

GPSQC1 NM Min SVs      9           PDOP max  1.6
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  6          VDOP max  1.5
          Monitor status Not monitored RMS        11.8
          Horz SD
          Start wk 1577 sec 497621.0 End wk 1577 sec 497626.0

GPSQC2 NM Ttl satellites 9           Err Scale 0.0049248906
          VCV xx  0.0000025082      VCV xy   0.0000024147
          VCV xz  -0.000000764        VCV yy   0.0000130124
          VCV yz  -0.0000034524      VCV zz   0.0000031996

PT DGN SO Name          21884          To the Point

GRID D SO Delta N      -0.163          Delta E      -0.116
          Delta Elv    -0.036
    
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GPSVEC SO Point ID 521885      DX  1465.573      DY  -2192.546
        Class Stake out      DZ  -1821.880      Code 21885
        Obs L1 Fixed         H.pr 0.018        V.pr 0.035

GPSQC1 NM Min SVs          9                PDOP max 1.6
        Relative DOPs Yes    HDOP max 0.7
        Total GPS pos 6      VDOP max 1.5
        Monitor status Not monitored RMS 14.2
        Horz SD              Vert SD
        Start wk 1577 sec 497677.0 End wk 1577 sec 497682.0

GPSQC2 NM Ttl satellites 9      Err Scale 0.0045363759
        VCV xx 0.0000021817 VCV xy 0.0000024816
        VCV xz -0.0000008744 VCV yy 0.0000110064
        VCV yz -0.0000028209 VCV zz 0.0000024859

PT DGN SO Name              21885          To the Point

GRID D SO Delta N          -0.133          Delta E 0.020
        Delta Elv         0.046

GPSVEC SO Point ID 521886      DX  1471.907      DY  -2202.391
        Class Stake out      DZ  -1830.387      Code 21886
        Obs L1 Fixed         H.pr 0.020        V.pr 0.038

GPSQC1 NM Min SVs          9                PDOP max 2.3
        Relative DOPs Yes    HDOP max 1.1
        Total GPS pos 6      VDOP max 2.0
        Monitor status Not monitored RMS 13.5
        Horz SD              Vert SD
        Start wk 1577 sec 497721.0 End wk 1577 sec 497726.0

GPSQC2 NM Ttl satellites 9      Err Scale 0.0046863491
        VCV xx 0.0000027853 VCV xy 0.0000033399
        VCV xz -0.0000011072 VCV yy 0.0000135788
        VCV yz -0.000003802  VCV zz 0.0000029432

PT DGN SO Name              21886          To the Point

GRID D SO Delta N          0.160           Delta E -0.070
        Delta Elv         0.005

GPSVEC SO Point ID 521887      DX  1483.757      DY  -2202.992
        Class Stake out      DZ  -1824.384      Code 21887
        Obs L1 Fixed         H.pr 0.022        V.pr 0.043

GPSQC1 NM Min SVs          9                PDOP max 1.6
        Relative DOPs Yes    HDOP max 0.7
        Total GPS pos 6      VDOP max 1.4
        Monitor status Not monitored RMS 19.0
        Horz SD              Vert SD
        Start wk 1577 sec 497754.0 End wk 1577 sec 497759.0

GPSQC2 NM Ttl satellites 9      Err Scale 0.0056764847
        VCV xx 0.0000035777 VCV xy 0.0000047371
        VCV xz -0.0000016087 VCV yy 0.0000170515
        VCV yz -0.0000049047 VCV zz 0.0000034597

PT DGN SO Name              21887          To the Point

GRID D SO Delta N          -0.049          Delta E 0.177
        Delta Elv         0.083

GPSVEC SO Point ID 521888      DX  1478.591      DY  -2191.307
        Class Stake out      DZ  -1813.498      Code 21888
        Obs L1 Fixed         H.pr 0.018        V.pr 0.034

GPSQC1 NM Min SVs          9                PDOP max 1.6
        Relative DOPs Yes    HDOP max 0.7
        Total GPS pos 6      VDOP max 1.4
        Monitor status Not monitored RMS 12.5
        Horz SD              Vert SD
        Start wk 1577 sec 497789.0 End wk 1577 sec 497794.0

GPSQC2 NM Ttl satellites 9      Err Scale 0.0045156307
        VCV xx 0.000002083  VCV xy 0.0000019881
        VCV xz -0.0000006405 VCV yy 0.0000105534
        VCV yz -0.0000027369 VCV zz 0.0000024764

PT DGN SO Name              21888          To the Point

GRID D SO Delta N          0.045           Delta E 0.074
        Delta Elv         0.052

GPSVEC SO Point ID 521837      DX  1551.507      DY  -2335.201
        Class Stake out      DZ  -1935.912      Code 21837
        Obs L1 Fixed         H.pr 0.021        V.pr 0.040

GPSQC1 NM Min SVs          9                PDOP max 2.2
        Relative DOPs Yes    HDOP max 1.0
        Total GPS pos 6      VDOP max 2.0
        Monitor status Not monitored RMS 15.9
        Horz SD              Vert SD
        Start wk 1577 sec 498040.0 End wk 1577 sec 498045.0

GPSQC2 NM Ttl satellites 9      Err Scale 0.0051287361
        VCV xx 0.0000030107 VCV xy 0.0000028908
        VCV xz -0.0000010816 VCV yy 0.0000149832
        VCV yz -0.0000037236 VCV zz 0.0000033378

PT DGN SO Name              21837          To the Point
    
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GRID D SO Delta N      0.006          Delta E      -0.191
        Delta Elv    -0.014

GPSVEC SO Point ID 521826      DX  1538.359      DY  -2362.287
        Class Stake out      DZ  -1974.849      Code 21826
        Obs L1 Fixed          H.pr 0.017          V.pr 0.032

GPSQC1 NM Min SVs          9          PDOP max  1.6
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored RMS      10.1
        Horz SD          Vert SD
        Start wk 1577 sec 498094.0 End wk 1577 sec 498099.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0044266973
        VCV xx  0.0000018934      VCV xy  0.0000015219
        VCV xz  -0.0000005751      VCV yy  0.000009392
        VCV yz  -0.000002156      VCV zz  0.0000021466

PT DGN SO Name          21826          To the Point

GRID D SO Delta N      0.043          Delta E      -0.017
        Delta Elv    -0.037

NOTE TS Time Date 04/02/2010 Time 11:22:12

GPSVEC SO Point ID 521713      DX  1524.763      DY  -2389.981
        Class Stake out      DZ  -2014.738      Code 21713
        Obs L1 Fixed          H.pr 0.017          V.pr 0.031

GPSQC1 NM Min SVs          9          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6      VDOP max  1.4
        Monitor status Not monitored RMS      10.6
        Horz SD          Vert SD
        Start wk 1577 sec 498140.0 End wk 1577 sec 498145.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0043896302
        VCV xx  0.0000018565      VCV xy  0.0000014724
        VCV xz  -0.0000005617      VCV yy  0.0000091235
        VCV yz  -0.0000020751      VCV zz  0.0000020693

PT DGN SO Name          21713          To the Point

GRID D SO Delta N      0.030          Delta E      0.299
        Delta Elv    -0.062

GPSVEC SO Point ID 521700      DX  1511.962      DY  -2417.913
        Class Stake out      DZ  -2054.564      Code 21700
        Obs L1 Fixed          H.pr 0.017          V.pr 0.032

GPSQC1 NM Min SVs          9          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6      VDOP max  1.3
        Monitor status Not monitored RMS      12.1
        Horz SD          Vert SD
        Start wk 1577 sec 498188.0 End wk 1577 sec 498193.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0045418912
        VCV xx  0.000001972      VCV xy  0.0000015198
        VCV xz  -0.0000005888      VCV yy  0.0000096445
        VCV yz  -0.0000021772      VCV zz  0.0000021779

PT DGN SO Name          21700          To the Point

GRID D SO Delta N      -0.111         Delta E      -0.206
        Delta Elv    -0.026

GPSVEC SO Point ID 521566      DX  1498.565      DY  -2445.784
        Class Stake out      DZ  -2094.582      Code 21566
        Obs L1 Fixed          H.pr 0.020          V.pr 0.037

GPSQC1 NM Min SVs          9          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6      VDOP max  1.3
        Monitor status Not monitored RMS      11.0
        Horz SD          Vert SD
        Start wk 1577 sec 498229.0 End wk 1577 sec 498234.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0052514421
        VCV xx  0.0000026136      VCV xy  0.0000019656
        VCV xz  -0.0000007697      VCV yy  0.000012763
        VCV yz  -0.0000028539      VCV zz  0.0000028654

PT DGN SO Name          21566          To the Point

GRID D SO Delta N      0.022          Delta E      -0.146
        Delta Elv    -0.038

GPSVEC SO Point ID 521553      DX  1486.494      DY  -2470.796
        Class Stake out      DZ  -2130.624      Code 21553
        Obs L1 Fixed          H.pr 0.023          V.pr 0.041

GPSQC1 NM Min SVs          9          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos  6      VDOP max  1.3
        Monitor status Not monitored RMS      12.0
        Horz SD          Vert SD
        Start wk 1577 sec 498290.0 End wk 1577 sec 498295.0
    
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GPSQC2 NM Ttl satellites 9 Err Scale 0.0059412909
          VCV xx 0.0000033395 VCV xy 0.0000025021
          VCV xz -0.0000010044 VCV yy 0.0000160686
          VCV yz -0.0000034999 VCV zz 0.0000035666

PT DGN SO Name 21553 To the Point

GRID D SO Delta N -0.041 Delta E -0.049
          Delta Elv 0.021

GPSVEC SO Point ID 521551 DX 1467.402 DY -2490.918
          Class Stake out DZ -2164.935 Code 21551
          Obs L1 Fixed H.pr 0.018 V.pr 0.032

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 9.3
          Horz SD Vert SD
          Start wk 1577 sec 498352.0 End wk 1577 sec 498357.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0046357112
          VCV xx 0.000002016 VCV xy 0.0000015073
          VCV xz -0.0000006185 VCV yy 0.0000096349
          VCV yz -0.0000020677 VCV zz 0.0000021076

PT DGN SO Name 21551 To the Point

GRID D SO Delta N -0.027 Delta E 0.234
          Delta Elv -0.058

GPSVEC SO Point ID 521552 DX 1530.581 DY -2494.924
          Class Stake out DZ -2133.707 Code 21552
          Obs L1 Fixed H.pr 0.018 V.pr 0.033

GPSQC1 NM Min SVs 9 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 1.3
          Monitor status Not monitored RMS 10.2
          Horz SD Vert SD
          Start wk 1577 sec 498427.0 End wk 1577 sec 498432.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0047875107
          VCV xx 0.0000021242 VCV xy 0.000001533
          VCV xz -0.000000065 VCV yy 0.0000100762
          VCV yz -0.0000021064 VCV zz 0.0000021843

PT DGN SO Name 21552 To the Point

GRID D SO Delta N 0.021 Delta E -0.228
          Delta Elv -0.078

GPSVEC SO Point ID 521567 DX 1543.537 DY -2467.105
          Class Stake out DZ -2094.209 Code 21567
          Obs L1 Fixed H.pr 0.019 V.pr 0.031

GPSQC1 NM Min SVs 9 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 6 VDOP max 1.1
          Monitor status Not monitored RMS 13.0
          Horz SD Vert SD
          Start wk 1577 sec 499287.0 End wk 1577 sec 499292.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0052558584
          VCV xx 0.00000176 VCV xy -0.0000007574
          VCV xz -0.0000002157 VCV yy 0.0000074179
          VCV yz -0.0000007789 VCV zz 0.0000047405

PT DGN SO Name 21567 To the Point

GRID D SO Delta N 0.029 Delta E 0.087
          Delta Elv -0.061

GPSVEC SO Point ID 521699 DX 1556.656 DY -2439.305
          Class Stake out DZ -2054.426 Code 21699
          Obs L1 Fixed H.pr 0.022 V.pr 0.036

GPSQC1 NM Min SVs 9 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 1577 sec 499352.0 End wk 1577 sec 499357.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0060937521
          VCV xx 0.0000022624 VCV xy -0.0000012743
          VCV xz -0.0000002654 VCV yy 0.0000097354
          VCV yz -0.0000011736 VCV zz 0.0000064247

PT DGN SO Name 21699 To the Point

GRID D SO Delta N -0.226 Delta E 0.247
          Delta Elv -0.041

GPSVEC SO Point ID 521714 DX 1570.138 DY -2411.879
          Class Stake out DZ -2014.880 Code 21714
          Obs L1 Fixed H.pr 0.020 V.pr 0.037
    
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GPSQC1	NM	Min SVs	8	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	13	VDOP max	1.4
		Monitor status	Not monitored	RMS	12.5
		Horz SD		Vert SD	
		Start wk 1577 sec	499449.0	End wk 1577 sec	499461.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0069268895
		VCV xx	0.0000021729	VCV xy	-0.0000001259
		VCV xz	-0.0000000937	VCV yy	0.0000111382
		VCV yz	-0.0000003982	VCV zz	0.0000049705
PT DGN	SO	Name	21714	To the Point	
GRID D	SO	Delta N	-0.183	Delta E	-0.081
		Delta Elv	-0.011		
GPSVEC	SO	Point ID 521825		DY	-2384.501
		Class Stake out		Code	21825
		Obs L1 Fixed	H.pr 0.022	V.pr	0.039
GPSQC1	NM	Min SVs	8	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	12	VDOP max	1.4
		Monitor status	Not monitored	RMS	9.4
		Horz SD		Vert SD	
		Start wk 1577 sec	499508.0	End wk 1577 sec	499519.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0070905518
		VCV xx	0.0000024392	VCV xy	-0.000000163
		VCV xz	-0.0000000981	VCV yy	0.0000124696
		VCV yz	-0.0000002972	VCV zz	0.0000054211
PT DGN	SO	Name	21825	To the Point	
GRID D	SO	Delta N	0.038	Delta E	-0.300
		Delta Elv	0.005		
GPSVEC	SO	Point ID 521838		DY	-2356.984
		Class Stake out		Code	21838
		Obs L1 Fixed	H.pr 0.017	V.pr	0.031
GPSQC1	NM	Min SVs	8	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	14	VDOP max	1.4
		Monitor status	Not monitored	RMS	12.6
		Horz SD		Vert SD	
		Start wk 1577 sec	499563.0	End wk 1577 sec	499576.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0060822368
		VCV xx	0.0000015359	VCV xy	-0.0000001146
		VCV xz	-0.000000042	VCV yy	0.0000079265
		VCV yz	-0.0000001312	VCV zz	0.0000033262
PT DGN	SO	Name	21838	To the Point	
GRID D	SO	Delta N	0.052	Delta E	-0.375
		Delta Elv	-0.036		
GPSVEC	SO	Point ID 521869		DY	-2334.610
		Class Stake out		Code	21869
		Obs L1 Fixed	H.pr 0.020	V.pr	0.035
GPSQC1	NM	Min SVs	8	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	12	VDOP max	1.4
		Monitor status	Not monitored	RMS	10.2
		Horz SD		Vert SD	
		Start wk 1577 sec	499619.0	End wk 1577 sec	499630.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0064312909
		VCV xx	0.0000019698	VCV xy	-0.0000001306
		VCV xz	-0.0000000504	VCV yy	0.0000101637
		VCV yz	-0.0000000273	VCV zz	0.0000041504
PT DGN	SO	Name	21869	To the Point	
GRID D	SO	Delta N	-0.192	Delta E	0.346
		Delta Elv	0.046		
GPSVEC	SO	Point ID 521868		DY	-2359.612
		Class Stake out		Code	21868
		Obs L1 Fixed	H.pr 0.022	V.pr	0.039
GPSQC1	NM	Min SVs	8	PDOP max	1.6
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	15	VDOP max	1.4
		Monitor status	Not monitored	RMS	10.8
		Horz SD		Vert SD	
		Start wk 1577 sec	499673.0	End wk 1577 sec	499687.0
GPSQC2	NM	Ttl satellites	8	Err Scale	0.008169164
		VCV xx	0.0000025439	VCV xy	-0.0000002178
		VCV xz	-0.0000000419	VCV yy	0.0000132904
		VCV yz	0.0000000188	VCV zz	0.0000052396
PT DGN	SO	Name	21868	To the Point	
GRID D	SO	Delta N	-0.008	Delta E	0.221
		Delta Elv	-0.084		

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GPSVEC SO Point ID 521839      DX  1641.574      DY  -2378.307
        Class Stake out      DZ  -1935.568      Code 21839
        Obs L1 Fixed          H.pr 0.018        V.pr 0.031

GPSQC1 NM Min SVs           8                PDOP max 2.2
        Relative DOPs Yes      HDOP max 1.1
        Total GPS pos 14       VDOP max 1.9
        Monitor status Not monitored RMS 13.6
        Horz SD                Vert SD
        Start wk 1577 sec 499715.0 End wk 1577 sec 499729.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0063115475
        VCV xx 0.0000016132    VCV xy -0.0000001112
        VCV xz 0.0000000048    VCV yy 0.0000084641
        VCV yz 0.0000000465    VCV zz 0.0000032118

PT DGN SO Name                21839                To the Point

GRID D SO Delta N             -0.280                Delta E -0.037
        Delta Elv            -0.007

GPSVEC SO Point ID 521824      DX  1628.302      DY  -2405.854
        Class Stake out      DZ  -1975.060      Code 21824
        Obs L1 Fixed          H.pr 0.021        V.pr 0.035

GPSQC1 NM Min SVs           8                PDOP max 1.6
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 14       VDOP max 1.4
        Monitor status Not monitored RMS 11.7
        Horz SD                Vert SD
        Start wk 1577 sec 499762.0 End wk 1577 sec 499775.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0072275354
        VCV xx 0.000002092    VCV xy -0.000000149
        VCV xz 0.0000000043    VCV yy 0.000011062
        VCV yz 0.0000001617    VCV zz 0.0000040946

PT DGN SO Name                21824                To the Point

GRID D SO Delta N             -0.356                Delta E 0.050
        Delta Elv            -0.059

GPSVEC SO Point ID 521715      DX  1615.109      DY  -2433.738
        Class Stake out      DZ  -2015.208      Code 21715
        Obs L1 Fixed          H.pr 0.018        V.pr 0.031

GPSQC1 NM Min SVs           8                PDOP max 1.6
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 9        VDOP max 1.4
        Monitor status Not monitored RMS 11.2
        Horz SD                Vert SD
        Start wk 1577 sec 499808.0 End wk 1577 sec 499816.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0052601714
        VCV xx 0.0000016565    VCV xy -0.0000001029
        VCV xz 0.000000025    VCV yy 0.0000087718
        VCV yz 0.0000001592    VCV zz 0.0000031467

PT DGN SO Name                21715                To the Point

GRID D SO Delta N             0.257                Delta E -0.080
        Delta Elv            -0.009

GPSVEC SO Point ID 521698      DX  1601.888      DY  -2461.140
        Class Stake out      DZ  -2054.540      Code 21698
        Obs L1 Fixed          H.pr 0.020        V.pr 0.034

GPSQC1 NM Min SVs           8                PDOP max 2.2
        Relative DOPs Yes      HDOP max 1.1
        Total GPS pos 11       VDOP max 1.9
        Monitor status Not monitored RMS 13.1
        Horz SD                Vert SD
        Start wk 1577 sec 499858.0 End wk 1577 sec 499868.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0059828064
        VCV xx 0.0000019245    VCV xy -0.0000001154
        VCV xz 0.0000000446    VCV yy 0.0000102984
        VCV yz 0.0000002487    VCV zz 0.0000035668

PT DGN SO Name                21698                To the Point

GRID D SO Delta N             -0.039                Delta E 0.023
        Delta Elv            -0.050

GPSVEC SO Point ID 521568      DX  1588.752      DY  -2488.816
        Class Stake out      DZ  -2094.202      Code 21568
        Obs L1 Fixed          H.pr 0.024        V.pr 0.040

GPSQC1 NM Min SVs           8                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.8
        Total GPS pos 6        VDOP max 1.3
        Monitor status Not monitored RMS 19.4
        Horz SD                Vert SD
        Start wk 1577 sec 499933.0 End wk 1577 sec 499938.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0056935716
        VCV xx 0.0000026213    VCV xy -0.0000000665
        VCV xz 0.0000001764    VCV yy 0.0000147535
        VCV yz 0.0000005569    VCV zz 0.0000047624

PT DGN SO Name                21568                To the Point
    
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GRID D SO Delta N      0.056          Delta E      -0.068
        Delta Elv    -0.086
NOTE   TS Time Date 04/02/2010 Time 11:52:59
GPSVEC SO Point ID 521569      DX  1633.788      DY  -2510.367
        Class Stake out      DZ  -2094.216      Code 21569
        Obs L1 Fixed          H.pr 0.025          V.pr 0.042
GPSQC1 NM Min SVs          8          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  9          VDOP max  1.3
        Monitor status Not monitored RMS      20.9
        Horz SD          Vert SD
        Start wk 1577 sec 499984.0 End wk 1577 sec 499992.0
GPSQC2 NM Ttl satellites 8          Err Scale 0.0072131827
        VCV xx  0.0000030212      VCV xy  -0.0000000321
        VCV xz  -0.0000000097      VCV yy  0.0000161103
        VCV yz  0.0000011913      VCV zz  0.0000054775
PT DGN SO Name          21569          To the Point
GRID D SO Delta N      -0.062          Delta E      0.007
        Delta Elv    -0.065
GPSVEC SO Point ID 521697      DX  1646.936      DY  -2482.638
        Class Stake out      DZ  -2054.432      Code 21697
        Obs L1 Fixed          H.pr 0.049          V.pr 0.082
GPSQC1 NM Min SVs          8          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  5          VDOP max  1.3
        Monitor status Not monitored RMS      11.5
        Horz SD          Vert SD
        Start wk 1577 sec 500031.0 End wk 1577 sec 500035.0
GPSQC2 NM Ttl satellites 8          Err Scale 0.0109420791
        VCV xx  0.0000113136      VCV xy  -0.00000007177
        VCV xz  0.0000004442      VCV yy  0.0000625184
        VCV yz  0.0000029409      VCV zz  0.0000197132
PT DGN SO Name          21697          To the Point
GRID D SO Delta N      -0.162          Delta E      0.110
        Delta Elv    -0.003
GPSVEC SO Point ID 521716      DX  1660.432      DY  -2455.327
        Class Stake out      DZ  -2014.904      Code 21716
        Obs L1 Fixed          H.pr 0.027          V.pr 0.045
GPSQC1 NM Min SVs          8          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  11         VDOP max  1.3
        Monitor status Not monitored RMS      22.8
        Horz SD          Vert SD
        Start wk 1577 sec 500068.0 End wk 1577 sec 500078.0
GPSQC2 NM Ttl satellites 8          Err Scale 0.0085520158
        VCV xx  0.0000034004      VCV xy  -0.0000003257
        VCV xz  0.000000164      VCV yy  0.0000191318
        VCV yz  0.0000007535      VCV zz  0.0000058181
PT DGN SO Name          21716          To the Point
GRID D SO Delta N      -0.047          Delta E      -0.280
        Delta Elv    -0.069
GPSVEC SO Point ID 521823      DX  1673.362      DY  -2427.636
        Class Stake out      DZ  -1975.265      Code 21823
        Obs L1 Fixed          H.pr 0.023          V.pr 0.037
GPSQC1 NM Min SVs          8          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  6          VDOP max  1.3
        Monitor status Not monitored RMS      11.2
        Horz SD          Vert SD
        Start wk 1577 sec 500112.0 End wk 1577 sec 500117.0
GPSQC2 NM Ttl satellites 8          Err Scale 0.0054673655
        VCV xx  0.0000024145      VCV xy  -0.0000000399
        VCV xz  0.0000001579      VCV yy  0.0000133916
        VCV yz  0.0000006118      VCV zz  0.0000039011
PT DGN SO Name          21823          To the Point
GRID D SO Delta N      -0.079          Delta E      0.004
        Delta Elv    0.007
GPSVEC SO Point ID 521840      DX  1686.417      DY  -2400.091
        Class Stake out      DZ  -1935.791      Code 21840
        Obs L1 Fixed          H.pr 0.020          V.pr 0.032
GPSQC1 NM Min SVs          8          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  9          VDOP max  1.3
        Monitor status Not monitored RMS      10.8
        Horz SD          Vert SD
        Start wk 1577 sec 500156.0 End wk 1577 sec 500164.0
    
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GPSQC2 NM Ttl satellites 8 Err Scale 0.0056120544
VCV xx 0.0000017405 VCV xy 0.0000000174
VCV xz 0.0000001277 VCV yy 0.0000099044
VCV yz 0.0000005445 VCV zz 0.0000027671

PT DGN SO Name 21840 To the Point

GRID D SO Delta N 0.068 Delta E 0.113
Delta Elv -0.006

GPSVEC SO Point ID 521867 DX 1695.386 DY -2381.519
Class Stake out DZ -1909.106 Code 21867
Obs L1 Fixed H.pr 0.024 V.pr 0.040

GPSQC1 NM Min SVs 8 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 19 VDOP max 1.3
Monitor status Not monitored RMS 21.3
Horz SD Vert SD
Start wk 1577 sec 500191.0 End wk 1577 sec 500209.0

GPSQC2 NM Ttl satellites 8 Err Scale 0.0099600377
VCV xx 0.0000026683 VCV xy 0.0000006121
VCV xz 0.000000156 VCV yy 0.000015689
VCV yz 0.0000016644 VCV zz 0.0000041741

PT DGN SO Name 21867 To the Point

GRID D SO Delta N 0.404 Delta E 0.035
Delta Elv -0.008

GPSVEC SO Point ID 521866 DX 1740.732 DY -2403.105
Class Stake out DZ -1908.804 Code 21866
Obs L1 Fixed H.pr 0.021 V.pr 0.035

GPSQC1 NM Min SVs 9 PDOP max 1.5
Relative DOPs Yes HDOP max 0.8
Total GPS pos 11 VDOP max 1.3
Monitor status Not monitored RMS 18.1
Horz SD Vert SD
Start wk 1577 sec 500243.0 End wk 1577 sec 500253.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0068530445
VCV xx 0.0000022144 VCV xy 0.0000006284
VCV xz 0.0000002832 VCV yy 0.000012686
VCV yz 0.0000006482 VCV zz 0.000001952

PT DGN SO Name 21866 To the Point

GRID D SO Delta N 0.094 Delta E -0.184
Delta Elv 0.000

GPSVEC SO Point ID 521841 DX 1731.499 DY -2421.818
Class Stake out DZ -1935.679 Code 21841
Obs L1 Fixed H.pr 0.020 V.pr 0.033

GPSQC1 NM Min SVs 9 PDOP max 2.1
Relative DOPs Yes HDOP max 1.1
Total GPS pos 9 VDOP max 1.8
Monitor status Not monitored RMS 11.9
Horz SD Vert SD
Start wk 1577 sec 500282.0 End wk 1577 sec 500290.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0056684315
VCV xx 0.0000020214 VCV xy 0.0000001534
VCV xz 0.0000002221 VCV yy 0.0000113632
VCV yz 0.0000004307 VCV zz 0.0000019246

PT DGN SO Name 21841 To the Point

GRID D SO Delta N 0.053 Delta E 0.071
Delta Elv -0.078

GPSVEC SO Point ID 521822 DX 1718.270 DY -2449.091
Class Stake out DZ -1975.069 Code 21822
Obs L1 Fixed H.pr 0.024 V.pr 0.039

GPSQC1 NM Min SVs 9 PDOP max 1.4
Relative DOPs Yes HDOP max 0.8
Total GPS pos 13 VDOP max 1.2
Monitor status Not monitored RMS 20.5
Horz SD Vert SD
Start wk 1577 sec 500665.0 End wk 1577 sec 500677.0

GPSQC2 NM Ttl satellites 9 Err Scale 0.0086960737
VCV xx 0.0000031476 VCV xy -0.0000001418
VCV xz -0.0000000322 VCV yy 0.000016146
VCV yz 0.0000012116 VCV zz 0.0000027447

PT DGN SO Name 21822 To the Point

GRID D SO Delta N -0.262 Delta E 0.237
Delta Elv -0.030

GPSVEC SO Point ID 521717 DX 1704.771 DY -2476.618
Class Stake out DZ -2014.862 Code 21717
Obs L1 Fixed H.pr 0.022 V.pr 0.035
    
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GPSQC1 NM Min SVs          9          PDOP max  2.0
          Relative DOPs Yes        HDOP max  1.1
          Total GPS pos  9          VDOP max  1.7
          Monitor status Not monitored RMS       26.0
          Horz SD
          Start wk 1577 sec 500727.0 End wk 1577 sec 500738.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0072075967
          VCV xx 0.0000024761      VCV xy 0.0000002891
          VCV xz 0.0000002027      VCV yy 0.0000130455
          VCV yz 0.0000005828      VCV zz 0.000001978

PT DGN SO Name          21717      To the Point

GRID D SO Delta N      -0.047      Delta E      0.537
          Delta Elv    -0.075

GPSVEC SO Point ID 521696      DX 1692.157      DY -2504.429
          Class Stake out      DZ -2054.388      Code 21696
          Obs L1 Fixed          H.pr 0.026      V.pr 0.041

GPSQC1 NM Min SVs          9          PDOP max  1.4
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  17         VDOP max  1.2
          Monitor status Not monitored RMS       22.0
          Horz SD
          Start wk 1577 sec 500790.0 End wk 1577 sec 500806.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.010351669
          VCV xx 0.0000032663      VCV xy 0.0000001107
          VCV xz 0.0000003124      VCV yy 0.0000178341
          VCV yz 0.0000006309      VCV zz 0.0000027233

PT DGN SO Name          21696      To the Point

GRID D SO Delta N      -0.124      Delta E      -0.084
          Delta Elv    -0.086

GPSVEC SO Point ID 521570      DX 1679.160      DY -2531.959
          Class Stake out      DZ -2094.257      Code 21570
          Obs L1 Fixed          H.pr 0.019      V.pr 0.031

GPSQC1 NM Min SVs          9          PDOP max  2.0
          Relative DOPs Yes        HDOP max  1.1
          Total GPS pos  11         VDOP max  1.7
          Monitor status Not monitored RMS       14.4
          Horz SD
          Start wk 1577 sec 500855.0 End wk 1577 sec 500865.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0061511146
          VCV xx 0.0000017964      VCV xy 0.0000000255
          VCV xz 0.0000001671      VCV yy 0.0000104359
          VCV yz 0.0000003041      VCV zz 0.0000013961

PT DGN SO Name          21570      To the Point

GRID D SO Delta N      0.027      Delta E      -0.240
          Delta Elv    -0.013

GPSVEC SO Point ID 521571      DX 1724.044      DY -2553.181
          Class Stake out      DZ -2094.225      Code 21571
          Obs L1 Fixed          H.pr 0.021      V.pr 0.033

GPSQC1 NM Min SVs          9          PDOP max  1.4
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  8          VDOP max  1.2
          Monitor status Not monitored RMS       16.7
          Horz SD
          Start wk 1577 sec 500904.0 End wk 1577 sec 500911.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0060934345
          VCV xx 0.0000020595      VCV xy -0.0000003997
          VCV xz 0.0000001201      VCV yy 0.0000124766
          VCV yz 0.0000003571      VCV zz 0.0000016849

PT DGN SO Name          21571      To the Point

GRID D SO Delta N      -0.141      Delta E      0.112
          Delta Elv    -0.054

GPSVEC SO Point ID 521695      DX 1737.315      DY -2526.034
          Class Stake out      DZ -2054.390      Code 21695
          Obs L1 Fixed          H.pr 0.025      V.pr 0.039

GPSQC1 NM Min SVs          9          PDOP max  1.4
          Relative DOPs Yes        HDOP max  0.8
          Total GPS pos  17         VDOP max  1.2
          Monitor status Not monitored RMS       29.0
          Horz SD
          Start wk 1577 sec 500947.0 End wk 1577 sec 500964.0

GPSQC2 NM Ttl satellites 9          Err Scale 0.0103064226
          VCV xx 0.0000027807      VCV xy -0.0000000523
          VCV xz 0.0000001271      VCV yy 0.0000166453
          VCV yz 0.0000009241      VCV zz 0.0000023807

PT DGN SO Name          21695      To the Point

GRID D SO Delta N      -0.130      Delta E      -0.142
          Delta Elv    -0.081
    
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GPSVEC SO Point ID 521718      DX  1750.359      DY  -2498.182
        Class Stake out      DZ  -2014.548      Code 21718
        Obs L1 Fixed          H.pr 0.022        V.pr 0.035

GPSQC1 NM Min SVs           9                PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos 11       VDOP max  1.2
        Monitor status Not monitored RMS        14.9
        Horz SD                Vert SD
        Start wk 1577 sec 500995.0 End wk 1577 sec 501005.0

GPSQC2 NM Ttl satellites 9                Err Scale 0.0074467156
        VCV xx  0.0000022415    VCV xy  0.0000000835
        VCV xz  0.0000000917    VCV yy  0.000013667
        VCV yz  0.0000008953    VCV zz  0.0000019812

PT DGN SO Name                21718                To the Point

GRID D SO Delta N             -0.441                Delta E    0.108
        Delta Elv            -0.015

GPSVEC SO Point ID 521821      DX  1763.722      DY  -2471.142
        Class Stake out      DZ  -1975.353      Code 21821
        Obs L1 Fixed          H.pr 0.025        V.pr 0.038

GPSQC1 NM Min SVs           9                PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.7
        Total GPS pos 10       VDOP max  1.2
        Monitor status Not monitored RMS        27.7
        Horz SD                Vert SD
        Start wk 1577 sec 501134.0 End wk 1577 sec 501143.0

GPSQC2 NM Ttl satellites 9                Err Scale 0.00785203
        VCV xx  0.000002513    VCV xy  -0.0000006298
        VCV xz  0.0000003332    VCV yy  0.0000165298
        VCV yz  0.0000001184    VCV zz  0.0000021373

PT DGN SO Name                21821                To the Point

GRID D SO Delta N             0.122                Delta E    -0.279
        Delta Elv            -0.069

GPSVEC SO Point ID 521842      DX  1776.389      DY  -2443.635
        Class Stake out      DZ  -1935.887      Code 21842
        Obs L1 Fixed          H.pr 0.023        V.pr 0.032

GPSQC1 NM Min SVs           8                PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos 7        VDOP max  1.1
        Monitor status Not monitored RMS        15.4
        Horz SD                Vert SD
        Start wk 1577 sec 501278.0 End wk 1577 sec 501284.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0057767415
        VCV xx  0.0000020945    VCV xy  -0.0000001817
        VCV xz  -0.000000067    VCV yy  0.0000123846
        VCV yz  0.0000008447    VCV zz  0.0000016638

PT DGN SO Name                21842                To the Point

GRID D SO Delta N             0.394                Delta E    0.164
        Delta Elv            -0.093

GPSVEC SO Point ID 521865      DX  1785.465      DY  -2424.649
        Class Stake out      DZ  -1908.782      Code 21865
        Obs L1 Fixed          H.pr 0.027        V.pr 0.038

GPSQC1 NM Min SVs           8                PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos 7        VDOP max  1.1
        Monitor status Not monitored RMS        15.8
        Horz SD                Vert SD
        Start wk 1577 sec 501316.0 End wk 1577 sec 501322.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0068157343
        VCV xx  0.000002662    VCV xy  -0.0000010171
        VCV xz  -0.0000001577    VCV yy  0.0000169199
        VCV yz  0.000001431    VCV zz  0.0000027421

PT DGN SO Name                21865                To the Point

GRID D SO Delta N             0.144                Delta E    0.168
        Delta Elv            -0.004

GPSVEC SO Point ID 521864      DX  1830.716      DY  -2446.444
        Class Stake out      DZ  -1908.683      Code 21864
        Obs L1 Fixed          H.pr 0.024        V.pr 0.033

GPSQC1 NM Min SVs           8                PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos 7        VDOP max  1.1
        Monitor status Not monitored RMS        16.2
        Horz SD                Vert SD
        Start wk 1577 sec 501354.0 End wk 1577 sec 501360.0

GPSQC2 NM Ttl satellites 8                Err Scale 0.0059998641
        VCV xx  0.0000022665    VCV xy  -0.0000002248
        VCV xz  -0.0000000497    VCV yy  0.0000132099
        VCV yz  0.0000007597    VCV zz  0.0000017086

PT DGN SO Name                21864                To the Point
    
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GRID D SO Delta N      0.133          Delta E      -0.056
        Delta Elv    -0.060

GPSVEC SO Point ID 521843      DX  1821.757      DY  -2465.017
        Class Stake out      DZ  -1935.355      Code 21843
        Obs L1 Fixed          H.pr 0.023          V.pr 0.032

GPSQC1 NM Min SVs          8          PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  7          VDOP max  1.1
        Monitor status Not monitored      RMS      21.4
        Horz SD          Vert SD
        Start wk 1577 sec 501396.0      End wk 1577 sec 501402.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0057812436
        VCV xx  0.0000020642      VCV xy  -0.0000001593
        VCV xz  -0.0000000257      VCV yy  0.0000122436
        VCV yz  0.0000006603      VCV zz  0.0000015306

PT DGN SO Name          21843          To the Point

GRID D SO Delta N      -0.216          Delta E      0.013
        Delta Elv    -0.063

GPSVEC SO Point ID 521820      DX  1808.422      DY  -2492.700
        Class Stake out      DZ  -1975.479      Code 21820
        Obs L1 Fixed          H.pr 0.032          V.pr 0.044

GPSQC1 NM Min SVs          8          PDOP max  1.4
        Relative DOPs Yes      HDOP max  0.8
        Total GPS pos  16         VDOP max  1.1
        Monitor status Not monitored      RMS      30.3
        Horz SD          Vert SD
        Start wk 1577 sec 501464.0      End wk 1577 sec 501479.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0118427193
        VCV xx  0.0000037187      VCV xy  0.0000001335
        VCV xz  -0.0000000306      VCV yy  0.0000245386
        VCV yz  0.0000019004      VCV zz  0.0000026222

PT DGN SO Name          21820          To the Point

GRID D SO Delta N      0.307          Delta E      0.096
        Delta Elv    -0.064

GPSVEC SO Point ID 521719      DX  1795.350      DY  -2520.170
        Class Stake out      DZ  -2014.923      Code 21719
        Obs L1 Fixed          H.pr 0.032          V.pr 0.038

GPSQC1 NM Min SVs          7          PDOP max  2.1
        Relative DOPs Yes      HDOP max  1.4
        Total GPS pos  7          VDOP max  1.6
        Monitor status Not monitored      RMS      14.2
        Horz SD          Vert SD
        Start wk 1577 sec 501570.0      End wk 1577 sec 501576.0

GPSQC2 NM Ttl satellites 7          Err Scale 0.0064523942
        VCV xx  0.0000033738      VCV xy  -0.00000011473
        VCV xz  -0.00000007495      VCV yy  0.00000190687
        VCV yz  0.00000023579      VCV zz  0.00000029252

PT DGN SO Name          21719          To the Point

GRID D SO Delta N      0.101          Delta E      0.036
        Delta Elv    -0.063

GPSVEC SO Point ID 521694      DX  1782.238      DY  -2547.576
        Class Stake out      DZ  -2054.583      Code 21694
        Obs L1 Fixed          H.pr 0.023          V.pr 0.026

GPSQC1 NM Min SVs          7          PDOP max  1.5
        Relative DOPs Yes      HDOP max  1.0
        Total GPS pos  7          VDOP max  1.1
        Monitor status Not monitored      RMS      13.2
        Horz SD          Vert SD
        Start wk 1577 sec 501647.0      End wk 1577 sec 501653.0

GPSQC2 NM Ttl satellites 7          Err Scale 0.0048147258
        VCV xx  0.0000016901      VCV xy  -0.00000005422
        VCV xz  -0.00000003843      VCV yy  0.00000091406
        VCV yz  0.0000011137      VCV zz  0.00000013919

PT DGN SO Name          21694          To the Point

GRID D SO Delta N      0.045          Delta E      0.037
        Delta Elv    -0.017

GPSVEC SO Point ID 521572      DX  1769.185      DY  -2574.677
        Class Stake out      DZ  -2094.630      Code 21572
        Obs L1 Fixed          H.pr 0.028          V.pr 0.032

GPSQC1 NM Min SVs          7          PDOP max  1.4
        Relative DOPs Yes      HDOP max  1.0
        Total GPS pos  7          VDOP max  1.1
        Monitor status Not monitored      RMS      12.8
        Horz SD          Vert SD
        Start wk 1577 sec 501692.0      End wk 1577 sec 501698.0

GPSQC2 NM Ttl satellites 7          Err Scale 0.0058910968
        VCV xx  0.0000023373      VCV xy  0.0000001418
        VCV xz  -0.0000003944      VCV yy  0.00000141321
        VCV yz  0.0000014277      VCV zz  0.00000017109
    
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PT DGN SO Name 21572 To the Point  
 GRID D SO Delta N 0.124 Delta E 0.114  
 Delta Elv -0.037  
 GPSVEC SO Point ID 521573 DX 1801.511 DY -2622.938  
 Class Stake out DZ -2134.721 Code 21573  
 Obs L1 Fixed H.pr 0.029 V.pr 0.033  
 GPSQC1 NM Min SVs 7 PDOP max 1.4  
 Relative DOPs Yes HDOP max 1.0  
 Total GPS pos 10 VDOP max 1.1  
 Monitor status Not monitored RMS 14.6  
 Horz SD Vert SD  
 Start wk 1577 sec 501738.0 End wk 1577 sec 501747.0  
 GPSQC2 NM Ttl satellites 7 Err Scale 0.0072477763  
 VCV xx 0.0000026624 VCV xy -0.0000007772  
 VCV xz -0.0000005553 VCV yy 0.0000150138  
 VCV yz 0.0000017199 VCV zz 0.0000022018

PT DGN SO Name 21573 To the Point  
 GRID D SO Delta N -0.060 Delta E 0.121  
 Delta Elv -0.043  
 NOTE TS Time Date 04/02/2010 Time 12:23:08  
 GPSVEC SO Point ID 521629 DX 1814.556 DY -2595.909  
 Class Stake out DZ -2094.530 Code 21629  
 Obs L1 Fixed H.pr 0.036 V.pr 0.041  
 GPSQC1 NM Min SVs 7 PDOP max 1.4  
 Relative DOPs Yes HDOP max 1.0  
 Total GPS pos 12 VDOP max 1.1  
 Monitor status Not monitored RMS 41.5  
 Horz SD Vert SD  
 Start wk 1577 sec 501790.0 End wk 1577 sec 501801.0  
 GPSQC2 NM Ttl satellites 7 Err Scale 0.0097434344  
 VCV xx 0.0000041505 VCV xy -0.0000002256  
 VCV xz -0.000000804 VCV yy 0.0000230708  
 VCV yz 0.000002329 VCV zz 0.0000029492

PT DGN SO Name 21629 To the Point  
 GRID D SO Delta N -0.216 Delta E 0.022  
 Delta Elv -0.068  
 GPSVEC SO Point ID 521693 DX 1827.424 DY -2569.125  
 Class Stake out DZ -2054.686 Code 21693  
 Obs L1 Fixed H.pr 0.034 V.pr 0.039  
 GPSQC1 NM Min SVs 7 PDOP max 1.4  
 Relative DOPs Yes HDOP max 0.9  
 Total GPS pos 9 VDOP max 1.1  
 Monitor status Not monitored RMS 31.3  
 Horz SD Vert SD  
 Start wk 1577 sec 501844.0 End wk 1577 sec 501856.0  
 GPSQC2 NM Ttl satellites 7 Err Scale 0.0097262552  
 VCV xx 0.0000033123 VCV xy -0.0000002108  
 VCV xz -0.0000006237 VCV yy 0.0000216735  
 VCV yz 0.0000026384 VCV zz 0.000002719

PT DGN SO Name 21693 To the Point  
 GRID D SO Delta N 0.083 Delta E -0.023  
 Delta Elv -0.055  
 GPSVEC SO Point ID 521720 DX 1840.580 DY -2541.755  
 Class Stake out DZ -2014.783 Code 21720  
 Obs L1 Fixed H.pr 0.025 V.pr 0.037  
 GPSQC1 NM Min SVs 7 PDOP max 1.2  
 Relative DOPs Yes HDOP max 0.7  
 Total GPS pos 31 VDOP max 1.0  
 Monitor status Not monitored RMS 13.1  
 Horz SD Vert SD  
 Start wk 1577 sec 501966.0 End wk 1577 sec 501996.0  
 GPSQC2 NM Ttl satellites 7 Err Scale 0.0142135713  
 VCV xx 0.0000053579 VCV xy 0.0000026882  
 VCV xz -0.0000007032 VCV yy 0.0000120274  
 VCV yz 0.0000012622 VCV zz 0.0000031283

PT DGN SO Name 21720 To the Point  
 GRID D SO Delta N -0.049 Delta E -0.079  
 Delta Elv -0.046  
 GPSVEC SO Point ID 521819 DX 1853.823 DY -2514.051  
 Class Stake out DZ -1974.974 Code 21819  
 Obs L1 Fixed H.pr 0.037 V.pr 0.059  
 GPSQC1 NM Min SVs 7 PDOP max 2.1  
 Relative DOPs Yes HDOP max 1.1  
 Total GPS pos 48 VDOP max 1.8  
 Monitor status Not monitored RMS 53.3  
 Horz SD Vert SD  
 Start wk 1577 sec 502047.0 End wk 1577 sec 502094.0

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GPSQC2 NM Ttl satellites 7 Err Scale 0.0235769246
          VCV xx 0.0000119091 VCV xy 0.0000100679
          VCV xz -0.000000718 VCV yy 0.00003314
          VCV yz 0.0000015189 VCV zz 0.0000048803

PT DGN SO Name 21819 To the Point

GRID D SO Delta N -0.306 Delta E -0.072
          Delta Elv -0.037

GPSVEC SO Point ID 521844 DX 1866.762 DY -2486.717
          Class Stake out DZ -1935.666 Code 21844
          Obs L1 Fixed H.pr 0.025 V.pr 0.043

GPSQC1 NM Min SVs 8 PDOP max 1.5
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 23 VDOP max 1.3
          Monitor status Not monitored RMS 29.2
          Horz SD Vert SD
          Start wk 1577 sec 502128.0 End wk 1577 sec 502150.0

GPSQC2 NM Ttl satellites 8 Err Scale 0.0132456766
          VCV xx 0.0000088253 VCV xy 0.0000049346
          VCV xz -0.0000009418 VCV yy 0.0000127822
          VCV yz 0.0000004325 VCV zz 0.0000037042

PT DGN SO Name 21844 To the Point

GRID D SO Delta N 0.117 Delta E 0.051
          Delta Elv 0.032

GPSVEC SO Point ID 521863 DX 1875.765 DY -2467.990
          Class Stake out DZ -1908.435 Code 21863
          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 9 VDOP max 1.1
          Monitor status Not monitored RMS 15.2
          Horz SD Vert SD
          Start wk 1577 sec 502181.0 End wk 1577 sec 502189.0

GPSQC2 NM Ttl satellites 8 Err Scale 0.0072160014
          VCV xx 0.0000072357 VCV xy 0.000003874
          VCV xz -0.0000009368 VCV yy 0.0000078971
          VCV yz 0.0000003155 VCV zz 0.0000029861

PT DGN SO Name 21863 To the Point

GRID D SO Delta N -0.079 Delta E 0.011
          Delta Elv -0.091

GPSVEC SO Point ID 521862 DX 1920.880 DY -2489.796
          Class Stake out DZ -1908.588 Code 21862
          Obs L1 Fixed H.pr 0.024 V.pr 0.042

GPSQC1 NM Min SVs 8 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 15 VDOP max 1.1
          Monitor status Not monitored RMS 27.0
          Horz SD Vert SD
          Start wk 1577 sec 502248.0 End wk 1577 sec 502262.0

GPSQC2 NM Ttl satellites 8 Err Scale 0.0105331326
          VCV xx 0.0000081275 VCV xy 0.0000047379
          VCV xz -0.0000009695 VCV yy 0.0000124744
          VCV yz 0.0000007171 VCV zz 0.0000036995

PT DGN SO Name 21862 To the Point

GRID D SO Delta N 0.154 Delta E -0.095
          Delta Elv -0.055

GPSVEC SO Point ID 521845 DX 1911.779 DY -2508.041
          Class Stake out DZ -1935.450 Code 21845
          Obs L1 Fixed H.pr 0.027 V.pr 0.047

GPSQC1 NM Min SVs 8 PDOP max 1.3
          Relative DOPs Yes HDOP max 0.7
          Total GPS pos 10 VDOP max 1.2
          Monitor status Not monitored RMS 27.7
          Horz SD Vert SD
          Start wk 1577 sec 502295.0 End wk 1577 sec 502304.0

GPSQC2 NM Ttl satellites 8 Err Scale 0.009708683
          VCV xx 0.0000113626 VCV xy 0.0000065772
          VCV xz -0.0000012015 VCV yy 0.0000139563
          VCV yz 0.0000005214 VCV zz 0.0000048405

PT DGN SO Name 21845 To the Point

GRID D SO Delta N -0.179 Delta E 0.241
          Delta Elv 0.092

GPSVEC SO Point ID 521818 DX 1898.704 DY -2535.693
          Class Stake out DZ -1975.097 Code 21818
          Obs L1 Fixed H.pr 0.030 V.pr 0.053
    
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GPSQC1 NM Min SVs      8          PDOP max  1.3
          Relative DOPs Yes      HDOP max  0.7
          Total GPS pos 11       VDOP max  1.2
          Monitor status Not monitored RMS       37.0
          Horz SD
          Start wk 1577 sec 502346.0 End wk 1577 sec 502356.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.011436915
          VCV xx  0.0000137678    VCV xy   0.0000085162
          VCV xz -0.0000007354    VCV yy   0.0000177999
          VCV yz  0.0000015672    VCV zz   0.0000069776

PT DGN SO Name          21818          To the Point

GRID D SO Delta N      -0.124        Delta E      0.105
          Delta Elv    -0.049

GPSVEC SO Point ID 521721    DX  1885.462    DY  -2563.419
          Class Stake out    DZ  -2015.047    Code 21721
          Obs L1 Fixed        H.pr 0.025      V.pr 0.045

GPSQC1 NM Min SVs      8          PDOP max  1.3
          Relative DOPs Yes      HDOP max  0.7
          Total GPS pos 14       VDOP max  1.2
          Monitor status Not monitored RMS       25.1
          Horz SD
          Start wk 1577 sec 502393.0 End wk 1577 sec 502406.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0107006747
          VCV xx  0.0000111222    VCV xy   0.0000066467
          VCV xz -0.0000013568    VCV yy   0.0000116293
          VCV yz  0.0000003023    VCV zz   0.0000043552

PT DGN SO Name          21721          To the Point

GRID D SO Delta N      0.258         Delta E      0.086
          Delta Elv    -0.053

GPSVEC SO Point ID 521692    DX  1872.565    DY  -2590.527
          Class Stake out    DZ  -2055.048    Code 21692
          Obs L1 Fixed        H.pr 0.021      V.pr 0.037

GPSQC1 NM Min SVs      8          PDOP max  1.9
          Relative DOPs Yes      HDOP max  0.9
          Total GPS pos 13       VDOP max  1.6
          Monitor status Not monitored RMS       30.2
          Horz SD
          Start wk 1577 sec 502501.0 End wk 1577 sec 502515.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0089080594
          VCV xx  0.0000084549    VCV xy   0.0000050445
          VCV xz -0.0000013394    VCV yy   0.0000079572
          VCV yz -0.0000003307    VCV zz   0.0000025328

PT DGN SO Name          21692          To the Point

GRID D SO Delta N      0.265         Delta E      0.019
          Delta Elv    0.042

GPSVEC SO Point ID 521630    DX  1859.944    DY  -2617.405
          Class Stake out    DZ  -2094.846    Code 21630
          Obs L1 Fixed        H.pr 0.020      V.pr 0.035

GPSQC1 NM Min SVs      8          PDOP max  1.3
          Relative DOPs Yes      HDOP max  0.7
          Total GPS pos 9        VDOP max  1.2
          Monitor status Not monitored RMS       12.1
          Horz SD
          Start wk 1577 sec 502551.0 End wk 1577 sec 502559.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0068697068
          VCV xx  0.0000079893    VCV xy   0.0000044559
          VCV xz -0.0000013271    VCV yy   0.0000065056
          VCV yz -0.0000002965    VCV zz   0.0000024597

PT DGN SO Name          21630          To the Point

GRID D SO Delta N      -0.085        Delta E      -0.200
          Delta Elv    -0.067

GPSVEC SO Point ID 521574    DX  1846.795    DY  -2644.207
          Class Stake out    DZ  -2135.083    Code 21574
          Obs L1 Fixed        H.pr 0.019      V.pr 0.034

GPSQC1 NM Min SVs      8          PDOP max  1.3
          Relative DOPs Yes      HDOP max  0.7
          Total GPS pos 8        VDOP max  1.2
          Monitor status Not monitored RMS       17.7
          Horz SD
          Start wk 1577 sec 502597.0 End wk 1577 sec 502604.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.006232576
          VCV xx  0.0000073363    VCV xy   0.0000042028
          VCV xz -0.000001481    VCV yy   0.0000060758
          VCV yz -0.0000003778    VCV zz   0.0000021394

PT DGN SO Name          21574          To the Point

GRID D SO Delta N      0.015         Delta E      0.090
          Delta Elv    0.027
    
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GPSVEC SO Point ID 521575      DX  1892.133      DY  -2665.687
        Class Stake out      DZ  -2135.321      Code 21575
        Obs L1 Fixed          H.pr 0.020        V.pr 0.036

GPSQC1 NM Min SVs           8                PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 10       VDOP max 1.2
        Monitor status Not monitored RMS 26.4
        Horz SD                Vert SD
        Start wk 1577 sec 502636.0 End wk 1577 sec 502645.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0073499749
        VCV xx 0.0000078074    VCV xy 0.0000046899
        VCV xz -0.0000015457   VCV yy 0.0000076086
        VCV yz -0.0000003094   VCV zz 0.0000023213

PT DGN SO Name                21575          To the Point

GRID D SO Delta N             0.087          Delta E -0.079
        Delta Elv            0.004

GPSVEC SO Point ID 521631      DX  1904.912      DY  -2638.810
        Class Stake out      DZ  -2095.089      Code 21631
        Obs L1 Fixed          H.pr 0.024        V.pr 0.042

GPSQC1 NM Min SVs           8                PDOP max 1.9
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 10       VDOP max 1.7
        Monitor status Not monitored RMS 30.8
        Horz SD                Vert SD
        Start wk 1577 sec 502677.0 End wk 1577 sec 502686.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0081350692
        VCV xx 0.0000092601    VCV xy 0.000005927
        VCV xz -0.0000014995   VCV yy 0.0000115456
        VCV yz -0.0000000476   VCV zz 0.0000031507

PT DGN SO Name                21631          To the Point

GRID D SO Delta N             0.045          Delta E -0.002
        Delta Elv            -0.090

GPSVEC SO Point ID 521691      DX  1917.641      DY  -2611.523
        Class Stake out      DZ  -2054.726      Code 21691
        Obs L1 Fixed          H.pr 0.024        V.pr 0.042

GPSQC1 NM Min SVs           8                PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 10       VDOP max 1.2
        Monitor status Not monitored RMS 20.6
        Horz SD                Vert SD
        Start wk 1577 sec 502725.0 End wk 1577 sec 502734.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0085067153
        VCV xx 0.0000091889    VCV xy 0.0000060126
        VCV xz -0.0000015199   VCV yy 0.0000113974
        VCV yz 0.0000002104    VCV zz 0.0000032843

PT DGN SO Name                21691          To the Point

GRID D SO Delta N             -0.306         Delta E 0.295
        Delta Elv            0.023

GPSVEC SO Point ID 521722      DX  1930.526      DY  -2584.813
        Class Stake out      DZ  -2014.963      Code 21722
        Obs L1 Fixed          H.pr 0.026        V.pr 0.047

GPSQC1 NM Min SVs           8                PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 12       VDOP max 1.2
        Monitor status Not monitored RMS 22.5
        Horz SD                Vert SD
        Start wk 1577 sec 502771.0 End wk 1577 sec 502782.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0103921089
        VCV xx 0.0000125561    VCV xy 0.0000078059
        VCV xz -0.0000023989   VCV yy 0.0000135668
        VCV yz -0.0000003261   VCV zz 0.0000040842

PT DGN SO Name                21722          To the Point

GRID D SO Delta N             0.094          Delta E 0.202
        Delta Elv            -0.020

GPSVEC SO Point ID 521817      DX  1943.379      DY  -2557.008
        Class Stake out      DZ  -1975.100      Code 21817
        Obs L1 Fixed          H.pr 0.020        V.pr 0.037

GPSQC1 NM Min SVs           8                PDOP max 1.4
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 9        VDOP max 1.2
        Monitor status Not monitored RMS 15.4
        Horz SD                Vert SD
        Start wk 1577 sec 502815.0 End wk 1577 sec 502823.0

GPSQC2 NM Ttl satellites 8          Err Scale 0.0070395097
        VCV xx 0.0000071872    VCV xy 0.0000044499
        VCV xz -0.0000009116   VCV yy 0.0000081858
        VCV yz -0.0000000353   VCV zz 0.0000026765

PT DGN SO Name                21817          To the Point
    
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GRID D	SO	Delta N	-0.160	Delta E	0.606
		Delta Elv	0.068		
GPSVEC	SO	Point ID 521846	DX 1956.978	DY	-2529.795
		Class Stake out	DZ -1935.414	Code	21846
		Obs L1 Fixed	H.pr 0.026	V.pr	0.046
GPSQC1	NM	Min SVs	8	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	11	VDOP max	1.2
		Monitor status	Not monitored	RMS	29.0
		Horz SD		Vert SD	
		Start wk 1577 sec 502872.0		End wk 1577 sec 502882.0	
GPSQC2	NM	Ttl satellites	8	Err Scale	0.0097048609
		VCV xx	0.0000110824	VCV xy	0.0000072816
		VCV xz	-0.0000010524	VCV yy	0.000013505
		VCV yz	-0.0000001668	VCV zz	0.0000040573
PT DGN	SO	Name	21846	To the Point	
GRID D	SO	Delta N	-0.147	Delta E	0.082
		Delta Elv	0.004		
GPSVEC	SO	Point ID 521861	DX 1965.739	DY	-2511.329
		Class Stake out	DZ -1908.566	Code	21861
		Obs L1 Fixed	H.pr 0.024	V.pr	0.040
GPSQC1	NM	Min SVs	7	PDOP max	0.9
		Relative DOPs	Yes	HDOP max	0.4
		Total GPS pos	8	VDOP max	0.7
		Monitor status	Not monitored	RMS	39.8
		Horz SD		Vert SD	
		Start wk 1577 sec 502923.0		End wk 1577 sec 502932.0	
GPSQC2	NM	Ttl satellites	7	Err Scale	0.0091546625
		VCV xx	0.0000098347	VCV xy	0.0000060409
		VCV xz	-0.0000010965	VCV yy	0.0000095418
		VCV yz	-0.0000006564	VCV zz	0.0000033632
PT DGN	SO	Name	21861	To the Point	
GRID D	SO	Delta N	0.167	Delta E	0.148
		Delta Elv	-0.009		