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

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

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

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

SHFTGRD     TM File name <no text>

PROJ        TM Transverse Mercator
              Orig Lat 36°03'01.84216"N      Orig Nrth 18483.918
              Orig Lng 114°59'53.92840"W      Orig East 19186.597
              Orig Hgt 0.000                  Orig Elev 0.000
              Orient 1 0°00'00"              Orient 2 0°00'00"
              Scale 1.000000000

LOCELL      TM Local Rad 20925604.474          Flat. 298.2572229329

DATUM       TM Molodensky
              Srce Rad 20925604.474          Srce Flat 298.2572229329
              Rotn X 0°00'00"              Rotn Y 0°00'00"
              Rotn Z 0°00'00"              Trans X 0.000
              Trans Y 0.000                  Trans Z 0.000
              Scale 0.000000000

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

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

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

F FILE      FC File Used No
              ID 00000 Name

COGO        NM Azmth From North              Dir North-East

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

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

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

F-CODE      KI Code BREAK-CONCRETE START

NOTE        NM Following data imported from CAMU Controll1.CSV

SURVEY      KI Elev mask 10 PDOP mask 6.0

SURVEY      KI Elev mask 10 PDOP mask 6.0

SURVEY      KI Elev mask 10 PDOP mask 6.0

SURVEY      EVENTKISurvey event Rover survey started

GPSANT      KI Antenna ht 0.000 Measurement 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 Measurement 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.Offsets 0.000 V.Offsets 0.000

NOTE        NM Receiver firmware version=0.000

GPSANT      KI Antenna ht 5.151 Measurement True

GPSREF      KI Reference 60000
    
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INIT   KI   Init event   Gained           Week           1578
        Init type    On the fly      seconds       147756.0
        Init counter  2              Point ID      <no text>
        Survey type  Real Time      Plate H.Dist  <null>
        Plate V.Dist <null>         Plate azimuth <null>

INIT   KI   Init event   Lost            Week           1578
        Init type    On the fly      seconds       147757.0
        Init counter  2              Point ID      <no text>
        Survey type  Real Time      Plate H.Dist  <null>
        Plate V.Dist <null>         Plate azimuth <null>

INIT   KI   Init event   Gained           Week           1578
        Init type    On the fly      seconds       147759.0
        Init counter  3              Point ID      <no text>
        Survey type  Real Time      Plate H.Dist  <null>
        Plate V.Dist <null>         Plate azimuth <null>

EQUIP  NM   Receiver   R8-2            Serial no 4906165952
        Antenna    R8 GNSS/SPS88x Internal
        Meas To    Bottom of antenna mount
        Tape adj   0.000          Serial no <no text>
        H.Offset  0.000          V.Offset 0.213

NOTE   NM   Receiver firmware version=4.120

GPSANT KI   Antenna ht 6.562           Measuremt Uncorrected

GPSVEC SO   Point ID 60001      DX 1976.026      DY -3241.910
        Class Stake out      DZ -2848.466      Code PRECHK.CP-106.4-
        Obs L1 Fixed          H.pr 0.013       V.pr 0.023

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

GPSQC1 NM   Min SVs      19              PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.5
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored
        Horz SD              RMS 12.2
        Start wk 1578 sec 147858.8  End wk 1578 sec 147863.8

GPSQC2 NM   Ttl satellites 19          Err Scale 0.0077459668
        VCV xx 0.0000220256      VCV xy 0.0000224954
        VCV xz -0.0000156726      VCV yy 0.0000455933
        VCV yz -0.0000275269      VCV zz 0.0000439774

PT DGN SO   Name          106           To the Point

GRID D  SO   Delta N      -0.036         Delta E      -0.045
        Delta Elv 0.011

GPSVEC SO   Point ID 3021936  DX 1966.999      DY -3213.135
        Class Stake out      DZ -2816.470      Code 21936
        Obs L1 Fixed          H.pr 0.014       V.pr 0.024

GPSQC1 NM   Min SVs      19              PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored
        Horz SD              RMS 17.1
        Start wk 1578 sec 147953.2  End wk 1578 sec 147958.2

GPSQC2 NM   Ttl satellites 19          Err Scale 0.0077459668
        VCV xx 0.0000241835      VCV xy 0.0000250739
        VCV xz -0.0000174762      VCV yy 0.0000507124
        VCV yz -0.0000306859      VCV zz 0.0000477522

PT DGN SO   Name          21936         To the Point

GRID D  SO   Delta N      -0.065         Delta E      0.004
        Delta Elv 0.026

GPSVEC SO   Point ID 3020151  DX 1965.027      DY -3211.939
        Class Stake out      DZ -2814.475      Code 20151
        Obs L1 Fixed          H.pr 0.014       V.pr 0.024

GPSQC1 NM   Min SVs      19              PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored
        Horz SD              RMS 16.0
        Start wk 1578 sec 148019.0  End wk 1578 sec 148024.0

GPSQC2 NM   Ttl satellites 19          Err Scale 0.0077459668
        VCV xx 0.0000236209      VCV xy 0.000024792
        VCV xz -0.000017253      VCV yy 0.0000504657
        VCV yz -0.0000304443      VCV zz 0.0000461191

PT DGN SO   Name          20151         To the Point

GRID D  SO   Delta N      -0.043         Delta E      0.018
        Delta Elv 0.034

GPSVEC SO   Point ID 3020205  DX 1958.854      DY -3213.248
        Class Stake out      DZ -2819.558      Code 20205
        Obs L1 Fixed          H.pr 0.014       V.pr 0.027

GPSQC1 NM   Min SVs      17              PDOP max 1.2
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.1
        Monitor status Not monitored
        Horz SD              RMS 17.1
        Start wk 1578 sec 148350.4  End wk 1578 sec 148355.4
    
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GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000287854 VCV xy 0.0000332937
VCV xz -0.0000230109 VCV yy 0.0000654977
VCV yz -0.0000401834 VCV zz 0.0000516733

PT DGN SO Name 20205 To the Point

GRID D SO Delta N -0.119 Delta E 0.090
Delta Elv 0.097

GPSVEC SO Point ID 3021935 DX 1960.371 DY -3214.358
Class Stake out DZ -2821.708 Code 21935
Obs L1 Fixed H.pr 0.014 V.pr 0.028

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 14.6
Horz SD Vert SD
Start wk 1578 sec 148425.0 End wk 1578 sec 148430.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000293624 VCV xy 0.0000345488
VCV xz -0.0000240401 VCV yy 0.0000681176
VCV yz -0.0000421614 VCV zz 0.0000529462

PT DGN SO Name 21935 To the Point

GRID D SO Delta N -0.193 Delta E 0.067
Delta Elv 0.074

GPSVEC SO Point ID 3021934 DX 1937.195 DY -3212.705
Class Stake out DZ -2832.131 Code 21934
Obs L1 Fixed H.pr 0.014 V.pr 0.029

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 16.5
Horz SD Vert SD
Start wk 1578 sec 148497.6 End wk 1578 sec 148502.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000300411 VCV xy 0.0000357995
VCV xz -0.0000251216 VCV yy 0.0000711123
VCV yz -0.000044387 VCV zz 0.0000549528

PT DGN SO Name 21934 To the Point

GRID D SO Delta N 0.087 Delta E 0.030
Delta Elv -0.084

GPSVEC SO Point ID 3020207 DX 1936.500 DY -3211.371
Class Stake out DZ -2829.459 Code 20207
Obs L1 Fixed H.pr 0.013 V.pr 0.029

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 13.0
Horz SD Vert SD
Start wk 1578 sec 148687.6 End wk 1578 sec 148692.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000293118 VCV xy 0.0000359888
VCV xz -0.0000258198 VCV yy 0.0000731987
VCV yz -0.0000466555 VCV zz 0.0000561274

PT DGN SO Name 20207 To the Point

GRID D SO Delta N -0.155 Delta E 0.105
Delta Elv 0.078

NOTE TS Time Date 04/05/2010 Time 10:20:17

GPSVEC SO Point ID 3020210 DX 1923.341 DY -3208.644
Class Stake out DZ -2833.080 Code 20210
Obs L1 Fixed H.pr 0.018 V.pr 0.028

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 7 VDOP max 1.1
Monitor status Not monitored RMS 15.0
Horz SD Vert SD
Start wk 1578 sec 148824.0 End wk 1578 sec 148829.8

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077488329
VCV xx 0.0000297427 VCV xy 0.0000372898
VCV xz -0.0000271489 VCV yy 0.0000771686
VCV yz -0.0000498759 VCV zz 0.00005894

PT DGN SO Name 20210 To the Point

GRID D SO Delta N -0.019 Delta E 0.054
Delta Elv -0.055

GPSVEC SO Point ID 3021933 DX 1923.821 DY -3209.694
Class Stake out DZ -2835.705 Code 21933
Obs L1 Fixed H.pr 0.018 V.pr 0.029
    
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GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 17.2
Horz SD Vert SD
Start wk 1578 sec 149021.8 End wk 1578 sec 149026.8

GPSQC2 NM Ttl satellites 17 Err Scale 0.0080190571
VCV xx 0.0000307618 VCV xy 0.0000397212
VCV xz -0.0000294705 VCV yy 0.0000843082
VCV yz -0.0000554701 VCV zz 0.0000640558

PT DGN SO Name 21933 To the Point

GRID D SO Delta N -0.027 Delta E -0.027
Delta Elv -0.110

GPSVEC SO Point ID 3021932 DX 1914.875 DY -3207.150
Class Stake out DZ -2837.658 Code 21932
Obs L1 Fixed H.pr 0.018 V.pr 0.029

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 14.6
Horz SD Vert SD
Start wk 1578 sec 149080.4 End wk 1578 sec 149085.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0080654388
VCV xx 0.0000307784 VCV xy 0.000040076
VCV xz -0.0000298866 VCV yy 0.0000857035
VCV yz -0.0000566579 VCV zz 0.0000650295

PT DGN SO Name 21932 To the Point

GRID D SO Delta N 0.026 Delta E 0.006
Delta Elv 0.010

GPSVEC SO Point ID 3020149 DX 1914.459 DY -3206.091
Class Stake out DZ -2834.960 Code 20149
Obs L1 Fixed H.pr 0.013 V.pr 0.031

GPSQC1 NM Min SVs 16 PDOP max 1.3
Relative DOPs Yes HDOP max 0.7
Total GPS pos 7 VDOP max 1.2
Monitor status Not monitored RMS 10.7
Horz SD Vert SD
Start wk 1578 sec 149137.2 End wk 1578 sec 149143.0

GPSQC2 NM Ttl satellites 16 Err Scale 0.0077459668
VCV xx 0.0000302902 VCV xy 0.0000397678
VCV xz -0.0000298065 VCV yy 0.0000857013
VCV yz -0.000056919 VCV zz 0.0000649485

PT DGN SO Name 20149 To the Point

GRID D SO Delta N -0.066 Delta E -0.019
Delta Elv 0.042

GPSVEC SO Point ID 3020147 DX 1875.567 DY -3192.342
Class Stake out DZ -2839.724 Code 20147
Obs L1 Fixed H.pr 0.014 V.pr 0.033

GPSQC1 NM Min SVs 16 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 15.2
Horz SD Vert SD
Start wk 1578 sec 149264.2 End wk 1578 sec 149269.2

GPSQC2 NM Ttl satellites 16 Err Scale 0.0077459668
VCV xx 0.0000314712 VCV xy 0.0000422665
VCV xz -0.0000325923 VCV yy 0.0000920529
VCV yz -0.0000628609 VCV zz 0.0000713682

PT DGN SO Name 20147 To the Point

GRID D SO Delta N -0.058 Delta E 0.001
Delta Elv -0.081

GPSVEC SO Point ID 3021931 DX 1875.915 DY -3193.225
Class Stake out DZ -2842.328 Code 21931
Obs L1 Fixed H.pr 0.014 V.pr 0.033

GPSQC1 NM Min SVs 16 PDOP max 1.5
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 11.7
Horz SD Vert SD
Start wk 1578 sec 149327.8 End wk 1578 sec 149332.8

GPSQC2 NM Ttl satellites 16 Err Scale 0.0077459668
VCV xx 0.0000318235 VCV xy 0.000043099
VCV xz -0.0000333589 VCV yy 0.0000946384
VCV yz -0.0000648439 VCV zz 0.0000732109

PT DGN SO Name 21931 To the Point

GRID D SO Delta N -0.145 Delta E -0.001
Delta Elv -0.060
    
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GPSVEC SO Point ID 3021930      DX  1846.229      DY  -3182.648
        Class Stake out      DZ  -2846.044      Code 21930
        Obs L1 Fixed          H.pr 0.014        V.pr 0.033

GPSQC1 NM Min SVs           16                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.4
        Monitor status Not monitored RMS 11.0
        Horz SD                Vert SD
        Start wk 1578 sec 149392.4 End wk 1578 sec 149397.4

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx 0.0000317935    VCV xy 0.0000434027
        VCV xz -0.0000336825   VCV yy 0.0000961813
        VCV yz -0.0000660344   VCV zz 0.0000741206

PT DGN SO Name                21930          To the Point

GRID D SO Delta N             -0.123         Delta E 0.026
        Delta Elv            -0.048

GPSVEC SO Point ID 3020145      DX  1846.038      DY  -3181.887
        Class Stake out      DZ  -2843.500      Code 20145
        Obs L1 Fixed          H.pr 0.014        V.pr 0.034

GPSQC1 NM Min SVs           16                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.4
        Monitor status Not monitored RMS 14.5
        Horz SD                Vert SD
        Start wk 1578 sec 149432.0 End wk 1578 sec 149437.0

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx 0.000031614    VCV xy 0.0000433631
        VCV xz -0.0000336989   VCV yy 0.0000966661
        VCV yz -0.0000664279   VCV zz 0.0000742943

PT DGN SO Name                20145          To the Point

GRID D SO Delta N             0.069          Delta E 0.042
        Delta Elv            -0.069

GPSVEC SO Point ID 3021929      DX  1811.348      DY  -3170.267
        Class Stake out      DZ  -2850.420      Code 21929
        Obs L1 Fixed          H.pr 0.014        V.pr 0.034

GPSQC1 NM Min SVs           16                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.4
        Monitor status Not monitored RMS 11.0
        Horz SD                Vert SD
        Start wk 1578 sec 149489.4 End wk 1578 sec 149494.4

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx 0.0000316704    VCV xy 0.0000437184
        VCV xz -0.0000340291   VCV yy 0.0000982535
        VCV yz -0.0000675756   VCV zz 0.0000752191

PT DGN SO Name                21929          To the Point

GRID D SO Delta N             -0.079         Delta E -0.056
        Delta Elv            -0.060

GPSVEC SO Point ID 3020143      DX  1811.292      DY  -3169.378
        Class Stake out      DZ  -2847.854      Code 20143
        Obs L1 Fixed          H.pr 0.014        V.pr 0.034

GPSQC1 NM Min SVs           16                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.4
        Monitor status Not monitored RMS 12.7
        Horz SD                Vert SD
        Start wk 1578 sec 149550.0 End wk 1578 sec 149555.0

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx 0.0000314676    VCV xy 0.0000437191
        VCV xz -0.0000340802   VCV yy 0.0000991249
        VCV yz -0.0000682113   VCV zz 0.0000755682

PT DGN SO Name                20143          To the Point

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

GPSVEC SO Point ID 3021928      DX  1771.143      DY  -3155.845
        Class Stake out      DZ  -2855.356      Code 21928
        Obs L1 Fixed          H.pr 0.014        V.pr 0.034

GPSQC1 NM Min SVs           16                PDOP max 1.5
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 1.4
        Monitor status Not monitored RMS 12.7
        Horz SD                Vert SD
        Start wk 1578 sec 149625.8 End wk 1578 sec 149630.8

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx 0.0000312073    VCV xy 0.000043682
        VCV xz -0.0000341053   VCV yy 0.000100149
        VCV yz -0.0000689273   VCV zz 0.0000759529

PT DGN SO Name                21928          To the Point
    
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GRID D SO Delta N      -0.073          Delta E      0.070
        Delta Elv     -0.068

GPSVEC SO Point ID 3020141    DX  1770.883    DY  -3154.859
        Class Stake out  DZ  -2852.790    Code 20141
        Obs L1 Fixed      H.pr 0.014      V.pr 0.034

GPSQC1 NM Min SVs          16          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.6
        Total GPS pos  6          VDOP max  1.4
        Monitor status Not monitored RMS       11.6
        Horz SD          Vert SD
        Start wk 1578 sec 149679.6 End wk 1578 sec 149685.2

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx  0.0000308334    VCV xy  0.000043371
        VCV xz  -0.0000338965    VCV yy  0.0001002356
        VCV yz  -0.0000689758    VCV zz  0.0000757439

PT DGN SO Name          20141          To the Point

GRID D SO Delta N      -0.025          Delta E      0.067
        Delta Elv     0.041

GPSVEC SO Point ID 3021927    DX  1717.707    DY  -3136.551
        Class Stake out  DZ  -2861.658    Code 21927
        Obs L1 Fixed      H.pr 0.013      V.pr 0.034

GPSQC1 NM Min SVs          16          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.5
        Total GPS pos  6          VDOP max  1.4
        Monitor status Not monitored RMS       10.8
        Horz SD          Vert SD
        Start wk 1578 sec 149730.0 End wk 1578 sec 149735.0

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx  0.0000312019    VCV xy  0.0000438437
        VCV xz  -0.0000343334    VCV yy  0.000097531
        VCV yz  -0.0000674253    VCV zz  0.000075334

PT DGN SO Name          21927          To the Point

GRID D SO Delta N      -0.077          Delta E      0.050
        Delta Elv     -0.051

GPSVEC SO Point ID 3020139    DX  1717.287    DY  -3135.434
        Class Stake out  DZ  -2859.141    Code 20139
        Obs L1 Fixed      H.pr 0.014      V.pr 0.034

GPSQC1 NM Min SVs          16          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.6
        Total GPS pos  7          VDOP max  1.4
        Monitor status Not monitored RMS       12.6
        Horz SD          Vert SD
        Start wk 1578 sec 149790.8 End wk 1578 sec 149796.6

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx  0.0000307979    VCV xy  0.0000436345
        VCV xz  -0.0000341745    VCV yy  0.0001009239
        VCV yz  -0.00006949     VCV zz  0.0000763713

PT DGN SO Name          20139          To the Point

GRID D SO Delta N      -0.055          Delta E      0.003
        Delta Elv     -0.079

GPSVEC SO Point ID 3021926    DX  1668.891    DY  -3118.869
        Class Stake out  DZ  -2867.453    Code 21926
        Obs L1 Fixed      H.pr 0.014      V.pr 0.034

GPSQC1 NM Min SVs          16          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.6
        Total GPS pos  6          VDOP max  1.4
        Monitor status Not monitored RMS       14.4
        Horz SD          Vert SD
        Start wk 1578 sec 149853.6 End wk 1578 sec 149858.6

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx  0.0000302387    VCV xy  0.0000428763
        VCV xz  -0.0000337333    VCV yy  0.0001018643
        VCV yz  -0.000070022     VCV zz  0.0000769454

PT DGN SO Name          21926          To the Point

GRID D SO Delta N      -0.088          Delta E      0.002
        Delta Elv     0.046

GPSVEC SO Point ID 3020137    DX  1668.530    DY  -3117.666
        Class Stake out  DZ  -2865.051    Code 20137
        Obs L1 Fixed      H.pr 0.014      V.pr 0.034

GPSQC1 NM Min SVs          16          PDOP max  1.5
        Relative DOPs Yes      HDOP max  0.6
        Total GPS pos  7          VDOP max  1.4
        Monitor status Not monitored RMS       14.4
        Horz SD          Vert SD
        Start wk 1578 sec 149941.0 End wk 1578 sec 149946.8

GPSQC2 NM Ttl satellites 16          Err Scale 0.0077459668
        VCV xx  0.0000301727    VCV xy  0.0000431888
        VCV xz  -0.0000338836    VCV yy  0.0001038811
        VCV yz  -0.0000711591    VCV zz  0.0000773131
    
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PT DGN	SO	Name	20137	To the Point	
GRID D	SO	Delta N	-0.022	Delta E	0.018
		Delta Elv	-0.041		
GPSVEC	SO	Point ID 3020135	DX 1621.544	DY	-3100.549
		Class Stake out	DZ -2870.644	Code	20135
		Obs L1 Fixed	H.pr 0.018	V.pr	0.032
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.2
		Monitor status	Not monitored	RMS	15.0
		Horz SD		Vert SD	
		Start wk 1578 sec	150042.6	End wk 1578 sec	150047.6
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0078314086
		VCV xx	0.000029123	VCV xy	0.0000418021
		VCV xz	-0.0000320494	VCV yy	0.0001035812
		VCV yz	-0.0000692738	VCV zz	0.0000744302
PT DGN	SO	Name	20135	To the Point	
GRID D	SO	Delta N	-0.074	Delta E	-0.002
		Delta Elv	-0.075		
GPSVEC	SO	Point ID 3021925	DX 1621.961	DY	-3101.798
		Class Stake out	DZ -2873.046	Code	21925
		Obs L1 Fixed	H.pr 0.018	V.pr	0.032
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	7	VDOP max	1.2
		Monitor status	Not monitored	RMS	13.8
		Horz SD		Vert SD	
		Start wk 1578 sec	150089.2	End wk 1578 sec	150095.0
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077757877
		VCV xx	0.0000287458	VCV xy	0.0000413397
		VCV xz	-0.000031681	VCV yy	0.0001032439
		VCV yz	-0.0000688889	VCV zz	0.000073893
PT DGN	SO	Name	21925	To the Point	
GRID D	SO	Delta N	-0.120	Delta E	-0.021
		Delta Elv	-0.001		
GPSVEC	SO	Point ID 3021924	DX 1570.144	DY	-3082.411
		Class Stake out	DZ -2879.470	Code	21924
		Obs L1 Fixed	H.pr 0.014	V.pr	0.034
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1578 sec	150208.0	End wk 1578 sec	150213.0
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000279811	VCV xy	0.0000403684
		VCV xz	-0.000030867	VCV yy	0.0001029035
		VCV yz	-0.0000681489	VCV zz	0.00007286
PT DGN	SO	Name	21924	To the Point	
GRID D	SO	Delta N	-0.117	Delta E	-0.066
		Delta Elv	0.100		
GPSVEC	SO	Point ID 3020133	DX 1569.967	DY	-3081.263
		Class Stake out	DZ -2877.088	Code	20133
		Obs L1 Fixed	H.pr 0.014	V.pr	0.033
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	14.5
		Horz SD		Vert SD	
		Start wk 1578 sec	150254.6	End wk 1578 sec	150259.6
GPSQC2	NM	Ttl satellites	17	Err Scale	0.0077459668
		VCV xx	0.0000273006	VCV xy	0.0000394174
		VCV xz	-0.0000301035	VCV yy	0.0001013429
		VCV yz	-0.0000668838	VCV zz	0.0000714274
PT DGN	SO	Name	20133	To the Point	
GRID D	SO	Delta N	-0.028	Delta E	-0.086
		Delta Elv	0.098		
GPSVEC	SO	Point ID 3021923	DX 1511.133	DY	-3060.328
		Class Stake out	DZ -2886.807	Code	21923
		Obs L1 Fixed	H.pr 0.014	V.pr	0.033
GPSQC1	NM	Min SVs	17	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.7
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1578 sec	150363.0	End wk 1578 sec	150368.0

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GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.000026032 VCV xy 0.0000367395
VCV xz -0.0000283641 VCV yy 0.000096443
VCV yz -0.000063575 VCV zz 0.0000692847

PT DGN SO Name 21923 To the Point

GRID D SO Delta N -0.022 Delta E 0.022
Delta Elv 0.062

GPSVEC SO Point ID 3021922 DX 1466.262 DY -3043.367
Class Stake out DZ -2892.282 Code 21922
Obs L1 Fixed H.pr 0.014 V.pr 0.033

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.7
Total GPS pos 5 VDOP max 1.3
Monitor status Not monitored RMS 14.3
Horz SD Vert SD
Start wk 1578 sec 150481.6 End wk 1578 sec 150486.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000261161 VCV xy 0.0000369919
VCV xz -0.0000283284 VCV yy 0.0000978525
VCV yz -0.0000638694 VCV zz 0.0000690013

PT DGN SO Name 21922 To the Point

GRID D SO Delta N -0.146 Delta E 0.017
Delta Elv 0.066

GPSVEC SO Point ID 3020129 DX 1465.819 DY -3042.332
Class Stake out DZ -2889.842 Code 20129
Obs L1 Fixed H.pr 0.014 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 12.4
Horz SD Vert SD
Start wk 1578 sec 150529.0 End wk 1578 sec 150534.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000256587 VCV xy 0.000036268
VCV xz -0.0000277476 VCV yy 0.0000967401
VCV yz -0.0000628849 VCV zz 0.0000679789

PT DGN SO Name 20129 To the Point

GRID D SO Delta N -0.004 Delta E 0.009
Delta Elv 0.073

GPSVEC SO Point ID 3021921 DX 1418.024 DY -3025.330
Class Stake out DZ -2898.313 Code 21921
Obs L1 Fixed H.pr 0.013 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.5
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 13.8
Horz SD Vert SD
Start wk 1578 sec 150591.8 End wk 1578 sec 150596.8

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.000023647 VCV xy 0.0000332562
VCV xz -0.0000265951 VCV yy 0.0000917379
VCV yz -0.0000602229 VCV zz 0.0000654835

PT DGN SO Name 21921 To the Point

GRID D SO Delta N -0.047 Delta E 0.000
Delta Elv -0.014

NOTE TS Time Date 04/05/2010 Time 10:50:26

GPSVEC SO Point ID 3020127 DX 1417.853 DY -3024.359
Class Stake out DZ -2895.621 Code 20127
Obs L1 Fixed H.pr 0.013 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.5
Total GPS pos 7 VDOP max 1.3
Monitor status Not monitored RMS 12.0
Horz SD Vert SD
Start wk 1578 sec 150632.8 End wk 1578 sec 150638.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000240408 VCV xy 0.0000337895
VCV xz -0.0000263179 VCV yy 0.000092778
VCV yz -0.0000601134 VCV zz 0.000065234

PT DGN SO Name 20127 To the Point

GRID D SO Delta N -0.111 Delta E -0.063
Delta Elv 0.037

GPSVEC SO Point ID 3021920 DX 1382.618 DY -3012.018
Class Stake out DZ -2902.624 Code 21920
Obs L1 Fixed H.pr 0.014 V.pr 0.032
    
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GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 14.4
Horz SD Vert SD
Start wk 1578 sec 150674.0 End wk 1578 sec 150679.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000243919 VCV xy 0.0000341044
VCV xz -0.0000263104 VCV yy 0.000093826
VCV yz -0.0000604094 VCV zz 0.0000657442

PT DGN SO Name 21920 To the Point

GRID D SO Delta N -0.121 Delta E -0.081
Delta Elv 0.019

GPSVEC SO Point ID 3020125 DX 1382.499 DY -3011.139
Class Stake out DZ -2900.014 Code 20125
Obs L1 Fixed H.pr 0.014 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 5 VDOP max 1.3
Monitor status Not monitored RMS 15.4
Horz SD Vert SD
Start wk 1578 sec 150725.8 End wk 1578 sec 150731.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000242374 VCV xy 0.00003385
VCV xz -0.0000258781 VCV yy 0.0000937786
VCV yz -0.0000598379 VCV zz 0.0000650626

PT DGN SO Name 20125 To the Point

GRID D SO Delta N -0.057 Delta E -0.050
Delta Elv 0.069

GPSVEC SO Point ID 3021919 DX 1347.304 DY -2998.810
Class Stake out DZ -2906.971 Code 21919
Obs L1 Fixed H.pr 0.014 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 16.0
Horz SD Vert SD
Start wk 1578 sec 150765.6 End wk 1578 sec 150771.2

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000243266 VCV xy 0.0000338942
VCV xz -0.0000258284 VCV yy 0.0000944826
VCV yz -0.0000599706 VCV zz 0.0000652648

PT DGN SO Name 21919 To the Point

GRID D SO Delta N -0.095 Delta E -0.027
Delta Elv 0.029

GPSVEC SO Point ID 3020123 DX 1347.094 DY -2997.907
Class Stake out DZ -2904.361 Code 20123
Obs L1 Fixed H.pr 0.014 V.pr 0.032

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 13.4
Horz SD Vert SD
Start wk 1578 sec 150804.8 End wk 1578 sec 150810.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000240627 VCV xy 0.0000334288
VCV xz -0.0000254203 VCV yy 0.0000938288
VCV yz -0.0000592603 VCV zz 0.0000645721

PT DGN SO Name 20123 To the Point

GRID D SO Delta N -0.015 Delta E 0.145
Delta Elv 0.066

GPSVEC SO Point ID 3021918 DX 1300.839 DY -2981.418
Class Stake out DZ -2912.764 Code 21918
Obs L1 Fixed H.pr 0.014 V.pr 0.031

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 7 VDOP max 1.3
Monitor status Not monitored RMS 12.4
Horz SD Vert SD
Start wk 1578 sec 150876.4 End wk 1578 sec 150882.2

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000235506 VCV xy 0.0000325066
VCV xz -0.0000246537 VCV yy 0.0000924705
VCV yz -0.0000578722 VCV zz 0.0000632463

PT DGN SO Name 21918 To the Point

GRID D SO Delta N -0.019 Delta E -0.011
Delta Elv 0.095

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GPSVEC SO Point ID 3020121 DX 1300.437 DY -2980.544
Class Stake out DZ -2909.995 Code 20121
Obs L1 Fixed H.pr 0.014 V.pr 0.031

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.3
Monitor status Not monitored RMS 13.1
Horz SD Vert SD
Start wk 1578 sec 150934.4 End wk 1578 sec 150939.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000232648 VCV xy 0.0000319226
VCV xz -0.0000241717 VCV yy 0.0000917581
VCV yz -0.0000570115 VCV zz 0.000062497

PT DGN SO Name 20121 To the Point

GRID D SO Delta N -0.060 Delta E -0.073
Delta Elv -0.050

GPSVEC SO Point ID 3021917 DX 1260.841 DY -2966.503
Class Stake out DZ -2917.599 Code 21917
Obs L1 Fixed H.pr 0.014 V.pr 0.030

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 14.5
Horz SD Vert SD
Start wk 1578 sec 150999.0 End wk 1578 sec 151004.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000221486 VCV xy 0.0000296814
VCV xz -0.0000232118 VCV yy 0.0000879715
VCV yz -0.0000552431 VCV zz 0.0000615239

PT DGN SO Name 21917 To the Point

GRID D SO Delta N -0.052 Delta E -0.060
Delta Elv 0.021

GPSVEC SO Point ID 3020119 DX 1260.759 DY -2965.691
Class Stake out DZ -2914.802 Code 20119
Obs L1 Fixed H.pr 0.014 V.pr 0.030

GPSQC1 NM Min SVs 17 PDOP max 1.4
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 13.3
Horz SD Vert SD
Start wk 1578 sec 151036.8 End wk 1578 sec 151042.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000223024 VCV xy 0.0000299963
VCV xz -0.0000230222 VCV yy 0.0000886787
VCV yz -0.0000548493 VCV zz 0.0000608528

PT DGN SO Name 20119 To the Point

GRID D SO Delta N -0.105 Delta E -0.039
Delta Elv -0.075

GPSVEC SO Point ID 3020594 DX 1205.574 DY -2945.293
Class Stake out DZ -2922.030 Code 20594
Obs L1 Fixed H.pr 0.024 V.pr 0.052

GPSQC1 NM Min SVs 16 PDOP max 1.6
Relative DOPs Yes HDOP max 0.7
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 13.4
Horz SD Vert SD
Start wk 1578 sec 151213.8 End wk 1578 sec 151218.8

GPSQC2 NM Ttl satellites 16 Err Scale 0.0105787134
VCV xx 0.0000382985 VCV xy 0.0000498617
VCV xz -0.0000381204 VCV yy 0.0001555659
VCV yz -0.0000930544 VCV zz 0.0001057772

PT DGN SO Name 20594 To the Point

GRID D SO Delta N -0.092 Delta E 0.096
Delta Elv 0.020

GPSVEC SO Point ID 3021916 DX 1205.404 DY -2946.138
Class Stake out DZ -2924.747 Code 21916
Obs L1 Fixed H.pr 0.013 V.pr 0.029

GPSQC1 NM Min SVs 17 PDOP max 1.3
Relative DOPs Yes HDOP max 0.5
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 13.7
Horz SD Vert SD
Start wk 1578 sec 151249.4 End wk 1578 sec 151254.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000192198 VCV xy 0.0000249313
VCV xz -0.0000202227 VCV yy 0.0000797761
VCV yz -0.0000485226 VCV zz 0.0000554639

PT DGN SO Name 21916 To the Point
    
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GRID D SO Delta N      -0.068          Delta E      0.000
        Delta Elv     -0.044

GPSVEC SO Point ID 3021915    DX  1161.690    DY  -2930.142
        Class Stake out    DZ  -2930.688    Code 21915
        Obs L1 Fixed       H.pr 0.014      V.pr 0.029

GPSQC1 NM Min SVs          17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.2
        Monitor status Not monitored RMS       12.5
        Horz SD          Vert SD
        Start wk 1578 sec 151341.8 End wk 1578 sec 151347.4

GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000204649 VCV xy  0.0000262952
        VCV xz  -0.0000200349 VCV yy  0.00008062
        VCV yz  -0.0000478569 VCV zz  0.0000550662

PT DGN SO Name          21915          To the Point

GRID D SO Delta N      -0.100          Delta E      0.011
        Delta Elv     0.040

GPSVEC SO Point ID 3020591    DX  1161.612    DY  -2929.361
        Class Stake out    DZ  -2928.158    Code 20591
        Obs L1 Fixed       H.pr 0.014      V.pr 0.029

GPSQC1 NM Min SVs          17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.2
        Monitor status Not monitored RMS       14.2
        Horz SD          Vert SD
        Start wk 1578 sec 151391.4 End wk 1578 sec 151396.4

GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000205081 VCV xy  0.0000263152
        VCV xz  -0.0000197812 VCV yy  0.0000819484
        VCV yz  -0.0000477436 VCV zz  0.0000545416

PT DGN SO Name          20591          To the Point

GRID D SO Delta N      0.082          Delta E      0.044
        Delta Elv     0.079

GPSVEC SO Point ID 3021914    DX  1113.106    DY  -2912.612
        Class Stake out    DZ  -2937.281    Code 21914
        Obs L1 Fixed       H.pr 0.014      V.pr 0.028

GPSQC1 NM Min SVs          17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.2
        Monitor status Not monitored RMS       12.2
        Horz SD          Vert SD
        Start wk 1578 sec 151505.8 End wk 1578 sec 151511.4

GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000201025 VCV xy  0.0000254764
        VCV xz  -0.0000189312 VCV yy  0.0000802087
        VCV yz  -0.0000453796 VCV zz  0.0000523516

PT DGN SO Name          21914          To the Point

GRID D SO Delta N      -0.008          Delta E      -0.049
        Delta Elv     -0.056

GPSVEC SO Point ID 3020588    DX  1113.162    DY  -2911.606
        Class Stake out    DZ  -2934.509    Code 20588
        Obs L1 Fixed       H.pr 0.014      V.pr 0.028

GPSQC1 NM Min SVs          17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.1
        Monitor status Not monitored RMS       12.1
        Horz SD          Vert SD
        Start wk 1578 sec 151579.2 End wk 1578 sec 151584.2

GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000198342 VCV xy  0.000024769
        VCV xz  -0.0000183444 VCV yy  0.0000799032
        VCV yz  -0.0000445925 VCV zz  0.000051588

PT DGN SO Name          20588          To the Point

GRID D SO Delta N      -0.154          Delta E      0.079
        Delta Elv     0.053

GPSVEC SO Point ID 3021913    DX  1048.140    DY  -2888.944
        Class Stake out    DZ  -2946.077    Code 21913
        Obs L1 Fixed       H.pr 0.014      V.pr 0.028

GPSQC1 NM Min SVs          17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.1
        Monitor status Not monitored RMS       11.3
        Horz SD          Vert SD
        Start wk 1578 sec 151656.0 End wk 1578 sec 151661.0

GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.000019444 VCV xy  0.0000243564
        VCV xz  -0.0000180456 VCV yy  0.0000777415
        VCV yz  -0.0000422445 VCV zz  0.0000494558
    
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PT DGN SO Name          21913          To the Point
GRID D SO Delta N      -0.013          Delta E      0.009
        Delta Elv      -0.030
GPSVEC SO Point ID 3020585    DX  1047.806    DY  -2888.068
        Class Stake out    DZ  -2943.470    Code 20585
        Obs L1 Fixed       H.pr 0.014      V.pr 0.027
GPSQC1 NM Min SVs         17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  7     VDOP max  1.1
        Monitor status Not monitored RMS       9.6
        Horz SD          Vert SD
        Start wk 1578 sec 151698.0 End wk 1578 sec 151703.6
GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000192292 VCV xy  0.0000236774
        VCV xz  -0.0000174705 VCV yy  0.0000773176
        VCV yz  -0.00000418769 VCV zz  0.0000491352
PT DGN SO Name          20585          To the Point
GRID D SO Delta N      0.078          Delta E      0.041
        Delta Elv      -0.054
GPSVEC SO Point ID 3021912    DX  998.805    DY  -2870.883
        Class Stake out    DZ  -2952.771    Code 21912
        Obs L1 Fixed       H.pr 0.014      V.pr 0.027
GPSQC1 NM Min SVs         17          PDOP max  1.3
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.1
        Monitor status Not monitored RMS       9.5
        Horz SD          Vert SD
        Start wk 1578 sec 151772.8 End wk 1578 sec 151777.8
GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000191598 VCV xy  0.0000231074
        VCV xz  -0.00000169745 VCV yy  0.000077199
        VCV yz  -0.00000412753 VCV zz  0.0000488093
PT DGN SO Name          21912          To the Point
GRID D SO Delta N      -0.059          Delta E      0.046
        Delta Elv      0.062
GPSVEC SO Point ID 3020582    DX  998.770    DY  -2870.195
        Class Stake out    DZ  -2950.023    Code 20582
        Obs L1 Fixed       H.pr 0.014      V.pr 0.027
GPSQC1 NM Min SVs         17          PDOP max  1.2
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.1
        Monitor status Not monitored RMS      10.0
        Horz SD          Vert SD
        Start wk 1578 sec 151827.4 End wk 1578 sec 151832.4
GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000189723 VCV xy  0.000022612
        VCV xz  -0.00000165644 VCV yy  0.0000764175
        VCV yz  -0.00000403792 VCV zz  0.0000480626
PT DGN SO Name          20582          To the Point
GRID D SO Delta N      0.003          Delta E      0.108
        Delta Elv      -0.078
GPSVEC SO Point ID 3021911    DX  947.722    DY  -2852.254
        Class Stake out    DZ  -2959.626    Code 21911
        Obs L1 Fixed       H.pr 0.014      V.pr 0.027
GPSQC1 NM Min SVs         17          PDOP max  1.2
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  7     VDOP max  1.1
        Monitor status Not monitored RMS       9.4
        Horz SD          Vert SD
        Start wk 1578 sec 151877.2 End wk 1578 sec 151882.8
GPSQC2 NM Ttl satellites 17          Err Scale 0.0077459668
        VCV xx  0.0000187412 VCV xy  0.0000221068
        VCV xz  -0.00000161512 VCV yy  0.0000754331
        VCV yz  -0.00000393875 VCV zz  0.0000471849
PT DGN SO Name          21911          To the Point
GRID D SO Delta N      -0.147          Delta E      -0.048
        Delta Elv      0.060
GPSVEC SO Point ID 3020579    DX  947.603    DY  -2851.619
        Class Stake out    DZ  -2956.972    Code 20579
        Obs L1 Fixed       H.pr 0.014      V.pr 0.027
GPSQC1 NM Min SVs         17          PDOP max  1.2
        Relative DOPs Yes    HDOP max  0.6
        Total GPS pos  6     VDOP max  1.1
        Monitor status Not monitored RMS      11.6
        Horz SD          Vert SD
        Start wk 1578 sec 151918.2 End wk 1578 sec 151923.2
    
```

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GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
          VCV xx 0.0000186452 VCV xy 0.0000218155
          VCV xz -0.0000159064 VCV yy 0.0000749406
          VCV yz -0.0000387531 VCV zz 0.0000466912

PT DGN SO Name 20579 To the Point

GRID D SO Delta N 0.013 Delta E -0.103
          Delta Elv -0.094

GPSVEC SO Point ID 3020576 DX 892.270 DY -2831.426
          Class Stake out DZ -2964.464 Code 20576
          Obs L1 Fixed H.pr 0.014 V.pr 0.026

GPSQC1 NM Min SVs 16 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.1
          Monitor status Not monitored RMS 12.6
          Horz SD Vert SD
          Start wk 1578 sec 152040.4 End wk 1578 sec 152045.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
          VCV xx 0.0000178843 VCV xy 0.0000200191
          VCV xz -0.0000148099 VCV yy 0.0000715469
          VCV yz -0.0000360796 VCV zz 0.0000449494

PT DGN SO Name 20576 To the Point

GRID D SO Delta N -0.013 Delta E -0.057
          Delta Elv -0.047

GPSVEC SO Point ID 3021910 DX 891.824 DY -2832.079
          Class Stake out DZ -2967.303 Code 21910
          Obs L1 Fixed H.pr 0.014 V.pr 0.026

GPSQC1 NM Min SVs 17 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 7 VDOP max 1.1
          Monitor status Not monitored RMS 11.4
          Horz SD Vert SD
          Start wk 1578 sec 152080.2 End wk 1578 sec 152086.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
          VCV xx 0.0000178407 VCV xy 0.0000199271
          VCV xz -0.0000146041 VCV yy 0.0000708879
          VCV yz -0.0000353849 VCV zz 0.0000441353

PT DGN SO Name 21910 To the Point

GRID D SO Delta N 0.034 Delta E -0.092
          Delta Elv 0.007

GPSVEC SO Point ID 3021909 DX 832.745 DY -2810.585
          Class Stake out DZ -2975.147 Code 21909
          Obs L1 Fixed H.pr 0.014 V.pr 0.026

GPSQC1 NM Min SVs 17 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.0
          Monitor status Not monitored RMS 11.4
          Horz SD Vert SD
          Start wk 1578 sec 152152.4 End wk 1578 sec 152157.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
          VCV xx 0.0000179658 VCV xy 0.000019905
          VCV xz -0.0000144372 VCV yy 0.0000714674
          VCV yz -0.0000348068 VCV zz 0.0000437358

PT DGN SO Name 21909 To the Point

GRID D SO Delta N -0.069 Delta E 0.016
          Delta Elv -0.083

GPSVEC SO Point ID 3020573 DX 832.658 DY -2809.626
          Class Stake out DZ -2972.445 Code 20573
          Obs L1 Fixed H.pr 0.014 V.pr 0.025

GPSQC1 NM Min SVs 17 PDOP max 1.2
          Relative DOPs Yes HDOP max 0.6
          Total GPS pos 6 VDOP max 1.0
          Monitor status Not monitored RMS 9.1
          Horz SD Vert SD
          Start wk 1578 sec 152194.0 End wk 1578 sec 152199.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
          VCV xx 0.0000179119 VCV xy 0.0000197524
          VCV xz -0.0000142324 VCV yy 0.000071139
          VCV yz -0.0000341866 VCV zz 0.000043144

PT DGN SO Name 20573 To the Point

GRID D SO Delta N -0.133 Delta E 0.042
          Delta Elv -0.016

GPSVEC SO Point ID 3021908 DX 778.007 DY -2790.535
          Class Stake out DZ -2982.578 Code 21908
          Obs L1 Fixed H.pr 0.014 V.pr 0.025
    
```

GPSQC1 NM Min SVs 17 PDOP max 1.2
 Relative DOPs Yes HDOP max 0.6
 Total GPS pos 6 VDOP max 1.0
 Monitor status Not monitored RMS 10.8
 Horz SD Vert SD
 Start wk 1578 sec 152277.6 End wk 1578 sec 152282.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
 VCV xx 0.0000177898 VCV xy 0.0000193369
 VCV xz -0.0000138254 VCV yy 0.0000703925
 VCV yz -0.0000329599 VCV zz 0.000042149

PT DGN SO Name 21908 To the Point

GRID D SO Delta N -0.140 Delta E -0.040
 Delta Elv 0.028

GPSVEC SO Point ID 3020570 DX 777.917 DY -2789.756
 Class Stake out DZ -2979.924 Code 20570
 Obs L1 Fixed H.pr 0.015 V.pr 0.025

GPSQC1 NM Min SVs 17 PDOP max 1.2
 Relative DOPs Yes HDOP max 0.6
 Total GPS pos 6 VDOP max 1.0
 Monitor status Not monitored RMS 11.3
 Horz SD Vert SD
 Start wk 1578 sec 152361.6 End wk 1578 sec 152367.2

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
 VCV xx 0.0000177137 VCV xy 0.0000189427
 VCV xz -0.0000134619 VCV yy 0.0000697678
 VCV yz -0.0000318127 VCV zz 0.0000413361

PT DGN SO Name 20570 To the Point

GRID D SO Delta N -0.065 Delta E -0.068
 Delta Elv -0.009

GPSVEC SO Point ID 3020567 DX 727.236 DY -2771.252
 Class Stake out DZ -2986.839 Code 20567
 Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.2
 Relative DOPs Yes HDOP max 0.6
 Total GPS pos 6 VDOP max 1.0
 Monitor status Not monitored RMS 8.9
 Horz SD Vert SD
 Start wk 1578 sec 152429.8 End wk 1578 sec 152434.8

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
 VCV xx 0.0000170528 VCV xy 0.0000175426
 VCV xz -0.0000127765 VCV yy 0.0000671745
 VCV yz -0.0000301376 VCV zz 0.0000403659

PT DGN SO Name 20567 To the Point

GRID D SO Delta N -0.042 Delta E 0.030
 Delta Elv 0.071

NOTE TS Time Date 04/05/2010 Time 11:21:18

GPSVEC SO Point ID 3021907 DX 727.243 DY -2772.226
 Class Stake out DZ -2989.484 Code 21907
 Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.2
 Relative DOPs Yes HDOP max 0.6
 Total GPS pos 6 VDOP max 1.0
 Monitor status Not monitored RMS 9.5
 Horz SD Vert SD
 Start wk 1578 sec 152484.2 End wk 1578 sec 152489.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
 VCV xx 0.0000172707 VCV xy 0.0000178743
 VCV xz -0.0000127199 VCV yy 0.0000676162
 VCV yz -0.0000296758 VCV zz 0.0000397755

PT DGN SO Name 21907 To the Point

GRID D SO Delta N -0.019 Delta E -0.072
 Delta Elv -0.068

GPSVEC SO Point ID 3021973 DX 678.415 DY -2754.243
 Class Stake out DZ -2996.331 Code 21973
 Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.2
 Relative DOPs Yes HDOP max 0.6
 Total GPS pos 6 VDOP max 1.0
 Monitor status Not monitored RMS 11.3
 Horz SD Vert SD
 Start wk 1578 sec 152630.2 End wk 1578 sec 152635.2

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
 VCV xx 0.0000174204 VCV xy 0.0000176541
 VCV xz -0.0000123334 VCV yy 0.0000675488
 VCV yz -0.0000281068 VCV zz 0.0000387774

PT DGN SO Name 21973 To the Point

GRID D SO Delta N 0.064 Delta E 0.052
 Delta Elv -0.104

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GPSVEC SO Point ID 3021972 DX 678.493 DY -2753.609
Class Stake out DZ -2993.406 Code 21972
Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.2
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 12.5
Horz SD Vert SD
Start wk 1578 sec 152680.4 End wk 1578 sec 152685.4

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000172389 VCV xy 0.0000173084
VCV xz -0.0000120559 VCV yy 0.0000666876
VCV yz -0.0000272619 VCV zz 0.0000380542

PT DGN SO Name 21972 To the Point

GRID D SO Delta N -0.041 Delta E -0.156
Delta Elv -0.015

GPSVEC SO Point ID 3020564 DX 673.720 DY -2752.543
Class Stake out DZ -2996.991 Code 20564
Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.1
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 12.5
Horz SD Vert SD
Start wk 1578 sec 152774.0 End wk 1578 sec 152779.0

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000171897 VCV xy 0.0000168503
VCV xz -0.0000118905 VCV yy 0.0000664588
VCV yz -0.0000264042 VCV zz 0.0000377694

PT DGN SO Name 20564 To the Point

GRID D SO Delta N 0.096 Delta E 0.091
Delta Elv -0.096

GPSVEC SO Point ID 3020565 DX 673.758 DY -2751.860
Class Stake out DZ -2994.179 Code 20565
Obs L1 Fixed H.pr 0.015 V.pr 0.024

GPSQC1 NM Min SVs 17 PDOP max 1.1
Relative DOPs Yes HDOP max 0.6
Total GPS pos 5 VDOP max 1.0
Monitor status Not monitored RMS 9.6
Horz SD Vert SD
Start wk 1578 sec 152808.6 End wk 1578 sec 152814.6

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000171502 VCV xy 0.0000168107
VCV xz -0.0000116724 VCV yy 0.0000659933
VCV yz -0.0000257456 VCV zz 0.0000371048

PT DGN SO Name 20565 To the Point

GRID D SO Delta N 0.083 Delta E 0.047
Delta Elv 0.083

GPSVEC SO Point ID 3020563 DX 639.133 DY -2736.295
Class Stake out DZ -2997.482 Code 20563
Obs L1 Fixed H.pr 0.015 V.pr 0.023

GPSQC1 NM Min SVs 17 PDOP max 1.1
Relative DOPs Yes HDOP max 0.6
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 9.7
Horz SD Vert SD
Start wk 1578 sec 152912.2 End wk 1578 sec 152917.2

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000175101 VCV xy 0.0000169692
VCV xz -0.0000115343 VCV yy 0.0000667779
VCV yz -0.0000248473 VCV zz 0.0000368262

PT DGN SO Name 20563 To the Point

GRID D SO Delta N 0.161 Delta E 0.021
Delta Elv -0.093

GPSVEC SO Point ID 3020553 DX 563.250 DY -2599.585
Class Stake out DZ -2872.859 Code 20553
Obs L1 Fixed H.pr 0.016 V.pr 0.023

GPSQC1 NM Min SVs 17 PDOP max 1.2
Relative DOPs Yes HDOP max 0.7
Total GPS pos 7 VDOP max 0.9
Monitor status Not monitored RMS 10.1
Horz SD Vert SD
Start wk 1578 sec 153225.0 End wk 1578 sec 153230.8

GPSQC2 NM Ttl satellites 17 Err Scale 0.0077459668
VCV xx 0.0000179769 VCV xy 0.0000164713
VCV xz -0.0000111034 VCV yy 0.0000676087
VCV yz -0.0000218374 VCV zz 0.0000360812

PT DGN SO Name 20553 To the Point
    
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GRID D SO Delta N      -0.038          Delta E      -0.011
        Delta Elv     0.006

GPSVEEC SO Point ID 3020550      DX  582.767      DY  -2579.759
        Class Stake out      DZ  -2837.423      Code 20550
        Obs L1 Fixed          H.pr 0.016          V.pr 0.023

GPSQC1 NM Min SVs          18          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 7        VDOP max 0.9
        Monitor status Not monitored RMS 13.9
        Horz SD              Vert SD
        Start wk 1578 sec 153533.0 End wk 1578 sec 153538.8

GPSQC2 NM Ttl satellites 18          Err Scale 0.0077459668
        VCV xx 0.0000186091      VCV xy 0.0000168212
        VCV xz -0.0000100419      VCV yy 0.0000693998
        VCV yz -0.000018126      VCV zz 0.0000324709

PT DGN SO Name          20550          To the Point

GRID D SO Delta N      0.058          Delta E      0.040
        Delta Elv     -0.072

GPSVEEC SO Point ID 3020547      DX  624.968      DY  -2552.411
        Class Stake out      DZ  -2779.988      Code 20547
        Obs L1 Fixed          H.pr 0.015          V.pr 0.021

GPSQC1 NM Min SVs          18          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.6
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 10.6
        Horz SD              Vert SD
        Start wk 1578 sec 153625.2 End wk 1578 sec 153630.2

GPSQC2 NM Ttl satellites 18          Err Scale 0.0077459668
        VCV xx 0.0000172917      VCV xy 0.0000165421
        VCV xz -0.000008759      VCV yy 0.0000632058
        VCV yz -0.0000157094      VCV zz 0.0000273163

PT DGN SO Name          20547          To the Point

GRID D SO Delta N      -0.040          Delta E      -0.028
        Delta Elv     -0.044

GPSVEEC SO Point ID 3020546      DX  623.552      DY  -2549.790
        Class Stake out      DZ  -2779.760      Code 20546
        Obs L1 Fixed          H.pr 0.017          V.pr 0.022

GPSQC1 NM Min SVs          18          PDOP max 1.1
        Relative DOPs Yes      HDOP max 0.7
        Total GPS pos 6        VDOP max 0.9
        Monitor status Not monitored RMS 12.3
        Horz SD              Vert SD
        Start wk 1578 sec 153755.8 End wk 1578 sec 153760.8

GPSQC2 NM Ttl satellites 18          Err Scale 0.0077459668
        VCV xx 0.0000191229      VCV xy 0.000017343
        VCV xz -0.0000096814      VCV yy 0.0000708952
        VCV yz -0.0000160596      VCV zz 0.0000310404

PT DGN SO Name          20546          To the Point

GRID D SO Delta N      0.019          Delta E      0.016
        Delta Elv     -0.066

NOTE TS Time Date 04/05/2010 Time 11:52:22

SURVEY EVENTKISurvey event Survey ended

NOTE TS Time Date 04/05/2010 Time 12:45:15

SURVEY KI Elev mask 10          PDOP mask 6.0

SURVEY KI Elev mask 10          PDOP mask 6.0

SURVEY KI Elev mask 10          PDOP mask 6.0

SURVEY EVENTKISurvey event Rover survey started

GPSANT KI Antenna ht 0.000          Measurement 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          Measurement True

GPSREF KI Reference 60000

INIT KI Init event Gained          Week 1578
        Init type On the fly      seconds 157559.0
        Init counter 2          Point ID <no text>
        Survey type Real Time      Plate H.Dist <null>
        Plate V.Dist <null>          Plate azimuth <null>
    
```

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EQUIP  NM Receiver R8-2 Serial no 4906165952
        Antenna R8 GNSS/SPS88x Internal
        Meas To Bottom of antenna mount
        Tape adj 0.000 Serial no <no text>
        H.Offset 0.000 V.Offset 0.213

NOTE    NM Receiver firmware version=4.120

GPSANT  KI Antenna ht 6.562 Measurement Uncorrected

GPSVEC  SO Point ID 3020548 DX 1975.980 DY -3241.923
        Class Stake out DZ -2848.469 Code PRECHK.CP-1064-5
        Obs L1 Fixed H.pr 0.026 V.pr 0.051

F-CODE  SO Code PRECHK.CP-1064-5-10.MV

GPSQC1  NM Min SVs 12 PDOP max 1.7
        Relative DOPs Yes HDOP max 0.8
        Total GPS pos 6 VDOP max 1.5
        Monitor status Not monitored RMS 18.1
        Horz SD Vert SD
        Start wk 1578 sec 157677.4 End wk 1578 sec 157682.4

GPSQC2  NM Ttl satellites 12 Err Scale 0.0103303622
        VCV xx 0.0001608999 VCV xy 0.0001627275
        VCV xz -0.0001013309 VCV yy 0.000227417
        VCV yz -0.0001214894 VCV zz 0.0001245224

PT DGN  SO Name 106 To the Point

GRID D  SO Delta N -0.015 Delta E -0.010
        Delta Elv -0.012

GPSVEC  SO Point ID 3021937 DX 1976.824 DY -3208.039
        Class Stake out DZ -2804.740 Code 21937
        Obs L1 Fixed H.pr 0.026 V.pr 0.051

GPSQC1  NM Min SVs 12 PDOP max 1.7
        Relative DOPs Yes HDOP max 0.8
        Total GPS pos 6 VDOP max 1.5
        Monitor status Not monitored RMS 19.2
        Horz SD Vert SD
        Start wk 1578 sec 157786.8 End wk 1578 sec 157791.8

GPSQC2  NM Ttl satellites 12 Err Scale 0.0102517083
        VCV xx 0.0001573009 VCV xy 0.0001595616
        VCV xz -0.0001026588 VCV yy 0.0002206727
        VCV yz -0.0001234434 VCV zz 0.0001261999

PT DGN  SO Name 21937 To the Point

GRID D  SO Delta N 0.119 Delta E -0.018
        Delta Elv -0.086

GPSVEC  SO Point ID 3020203 DX 1974.452 DY -3207.099
        Class Stake out DZ -2803.348 Code 20203
        Obs L1 Fixed H.pr 0.026 V.pr 0.051

GPSQC1  NM Min SVs 12 PDOP max 1.7
        Relative DOPs Yes HDOP max 0.8
        Total GPS pos 6 VDOP max 1.5
        Monitor status Not monitored RMS 21.8
        Horz SD Vert SD
        Start wk 1578 sec 157822.2 End wk 1578 sec 157827.2

GPSQC2  NM Ttl satellites 12 Err Scale 0.010294728
        VCV xx 0.0001575623 VCV xy 0.0001606696
        VCV xz -0.0001041259 VCV yy 0.000222511
        VCV yz -0.0001255995 VCV zz 0.0001279388

PT DGN  SO Name 20203 To the Point

GRID D  SO Delta N -0.044 Delta E -0.026
        Delta Elv -0.034

GPSVEC  SO Point ID 3021938 DX 1982.570 DY -3202.052
        Class Stake out DZ -2794.450 Code 21938
        Obs L1 Fixed H.pr 0.026 V.pr 0.051

GPSQC1  NM Min SVs 12 PDOP max 1.7
        Relative DOPs Yes HDOP max 0.8
        Total GPS pos 7 VDOP max 1.5
        Monitor status Not monitored RMS 17.7
        Horz SD Vert SD
        Start wk 1578 sec 157867.2 End wk 1578 sec 157872.8

GPSQC2  NM Ttl satellites 12 Err Scale 0.0103689153
        VCV xx 0.0001586223 VCV xy 0.0001626516
        VCV xz -0.0001064745 VCV yy 0.0002252922
        VCV yz -0.0001288595 VCV zz 0.0001308026

PT DGN  SO Name 21938 To the Point

GRID D  SO Delta N 0.045 Delta E 0.035
        Delta Elv -0.023

GPSVEC  SO Point ID 3020201 DX 1979.916 DY -3201.416
        Class Stake out DZ -2793.444 Code 20201
        Obs L1 Fixed H.pr 0.024 V.pr 0.052
    
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GPSQC1 NM Min SVs 11 PDOP max 2.4
Relative DOPs Yes HDOP max 1.0
Total GPS pos 7 VDOP max 2.1
Monitor status Not monitored RMS 14.4
Horz SD Vert SD
Start wk 1578 sec 157919.2 End wk 1578 sec 157925.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.000158382 VCV xy 0.0001633746
VCV xz -0.0001093407 VCV yy 0.0002234104
VCV yz -0.0001317072 VCV zz 0.0001319098

PT DGN SO Name 20201 To the Point

GRID D SO Delta N -0.024 Delta E 0.050
Delta Elv -0.063

GPSVEC SO Point ID 3021939 DX 1988.558 DY -3193.920
Class Stake out DZ -2781.250 Code 21939
Obs L1 Fixed H.pr 0.025 V.pr 0.059

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 7 VDOP max 2.4
Monitor status Not monitored RMS 15.6
Horz SD Vert SD
Start wk 1578 sec 157987.4 End wk 1578 sec 157992.8

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0002019167 VCV xy 0.0002085685
VCV xz -0.0001475757 VCV yy 0.0002684104
VCV yz -0.0001713504 VCV zz 0.0001658066

PT DGN SO Name 21939 To the Point

GRID D SO Delta N 0.145 Delta E -0.063
Delta Elv -0.084

GPSVEC SO Point ID 3020153 DX 1985.891 DY -3193.229
Class Stake out DZ -2780.223 Code 20153
Obs L1 Fixed H.pr 0.025 V.pr 0.059

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.4
Monitor status Not monitored RMS 12.1
Horz SD Vert SD
Start wk 1578 sec 158041.4 End wk 1578 sec 158046.4

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0002009418 VCV xy 0.0002089163
VCV xz -0.0001503093 VCV yy 0.0002671625
VCV yz -0.0001750382 VCV zz 0.0001683907

PT DGN SO Name 20153 To the Point

GRID D SO Delta N -0.015 Delta E 0.008
Delta Elv -0.096

GPSVEC SO Point ID 3021940 DX 1995.557 DY -3181.872
Class Stake out DZ -2762.932 Code 21940
Obs L1 Fixed H.pr 0.025 V.pr 0.060

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.4
Monitor status Not monitored RMS 15.9
Horz SD Vert SD
Start wk 1578 sec 158106.0 End wk 1578 sec 158111.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0002070871 VCV xy 0.0002158275
VCV xz -0.0001565791 VCV yy 0.0002756319
VCV yz -0.0001824126 VCV zz 0.0001754645

PT DGN SO Name 21940 To the Point

GRID D SO Delta N -0.034 Delta E 0.039
Delta Elv -0.096

GPSVEC SO Point ID 3020199 DX 1992.826 DY -3181.521
Class Stake out DZ -2762.376 Code 20199
Obs L1 Fixed H.pr 0.025 V.pr 0.060

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 5 VDOP max 2.4
Monitor status Not monitored RMS 16.0
Horz SD Vert SD
Start wk 1578 sec 158146.6 End wk 1578 sec 158151.6

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0002052608 VCV xy 0.0002156194
VCV xz -0.0001577024 VCV yy 0.0002774254
VCV yz -0.0001855108 VCV zz 0.0001781112

PT DGN SO Name 20199 To the Point

GRID D SO Delta N 0.119 Delta E -0.027
Delta Elv -0.013
    
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GPSVEC SO Point ID 3020197 DX 1996.333 DY -3174.480
Class Stake out DZ -2751.829 Code 20197
Obs L1 Fixed H.pr 0.024 V.pr 0.060

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.4
Monitor status Not monitored RMS 13.7
Horz SD Vert SD
Start wk 1578 sec 158196.2 End wk 1578 sec 158201.2

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0002007184 VCV xy 0.0002121849
VCV xz -0.000156547 VCV yy 0.0002744832
VCV yz -0.0001856043 VCV zz 0.0001783815

PT DGN SO Name 20197 To the Point

GRID D SO Delta N 0.055 Delta E 0.079
Delta Elv -0.072

GPSVEC SO Point ID 3021941 DX 1999.117 DY -3174.705
Class Stake out DZ -2752.399 Code 21941
Obs L1 Fixed H.pr 0.024 V.pr 0.060

GPSQC1 NM Min SVs 11 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 7 VDOP max 2.4
Monitor status Not monitored RMS 14.2
Horz SD Vert SD
Start wk 1578 sec 158276.2 End wk 1578 sec 158282.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0001923743 VCV xy 0.0002048592
VCV xz -0.0001531415 VCV yy 0.0002665831
VCV yz -0.0001833173 VCV zz 0.0001770738

PT DGN SO Name 21941 To the Point

GRID D SO Delta N -0.014 Delta E 0.152
Delta Elv -0.076

GPSVEC SO Point ID 3021942 DX 2003.461 DY -3162.988
Class Stake out DZ -2735.725 Code 21942
Obs L1 Fixed H.pr 0.024 V.pr 0.060

GPSQC1 NM Min SVs 10 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.5
Monitor status Not monitored RMS 9.8
Horz SD Vert SD
Start wk 1578 sec 158334.4 End wk 1578 sec 158339.4

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
VCV xx 0.0001942138 VCV xy 0.0002081496
VCV xz -0.0001577027 VCV yy 0.0002724863
VCV yz -0.0001909441 VCV zz 0.0001865876

PT DGN SO Name 21942 To the Point

GRID D SO Delta N -0.037 Delta E 0.035
Delta Elv -0.002

GPSVEC SO Point ID 3020157 DX 2000.517 DY -3162.988
Class Stake out DZ -2735.751 Code 20157
Obs L1 Fixed H.pr 0.024 V.pr 0.060

GPSQC1 NM Min SVs 10 PDOP max 2.6
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 2.5
Monitor status Not monitored RMS 10.3
Horz SD Vert SD
Start wk 1578 sec 158379.0 End wk 1578 sec 158384.0

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
VCV xx 0.0001914848 VCV xy 0.0002059971
VCV xz -0.0001573844 VCV yy 0.0002706657
VCV yz -0.0001917679 VCV zz 0.0001885533

PT DGN SO Name 20157 To the Point

GRID D SO Delta N -0.009 Delta E 0.051
Delta Elv -0.014

GPSVEC SO Point ID 3020195 DX 1994.508 DY -3143.834
Class Stake out DZ -2715.936 Code 20195
Obs L1 Fixed H.pr 0.023 V.pr 0.060

GPSQC1 NM Min SVs 10 PDOP max 2.6
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 2.4
Monitor status Not monitored RMS 13.3
Horz SD Vert SD
Start wk 1578 sec 158450.6 End wk 1578 sec 158455.6

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
VCV xx 0.0001863844 VCV xy 0.0002015918
VCV xz -0.0001558101 VCV yy 0.0002663627
VCV yz -0.0001914856 VCV zz 0.00018977

PT DGN SO Name 20195 To the Point
    
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GRID D SO Delta N      0.047          Delta E      -0.046
        Delta Elv    -0.029

GPSVEC SO Point ID 3021943      DX  1997.141      DY  -3143.291
        Class Stake out      DZ  -2715.304      Code 21943
        Obs L1 Fixed          H.pr 0.023          V.pr 0.060

GPSQC1 NM Min SVs          10          PDOP max  2.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  6      VDOP max  2.4
        Monitor status Not monitored      RMS      11.7
        Horz SD          Vert SD
        Start wk 1578 sec 158501.6      End wk 1578 sec 158507.4

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx  0.0001855251      VCV xy  0.0002013834
        VCV xz  -0.0001568662      VCV yy  0.0002672023
        VCV yz  -0.0001939317      VCV zz  0.0001932528

PT DGN SO Name          21943          To the Point

GRID D SO Delta N      0.038          Delta E      0.067
        Delta Elv    -0.096

GPSVEC SO Point ID 3021944      DX  1992.570      DY  -3132.761
        Class Stake out      DZ  -2705.448      Code 21944
        Obs L1 Fixed          H.pr 0.023          V.pr 0.060

GPSQC1 NM Min SVs          10          PDOP max  2.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  7      VDOP max  2.5
        Monitor status Not monitored      RMS      11.7
        Horz SD          Vert SD
        Start wk 1578 sec 158547.0      End wk 1578 sec 158552.8

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx  0.0001821381      VCV xy  0.000198302
        VCV xz  -0.0001554682      VCV yy  0.0002641203
        VCV yz  -0.0001932078      VCV zz  0.0001934639

PT DGN SO Name          21944          To the Point

GRID D SO Delta N      0.003          Delta E      0.071
        Delta Elv    0.012

GPSVEC SO Point ID 3020159      DX  1990.128      DY  -3134.329
        Class Stake out      DZ  -2706.894      Code 20159
        Obs L1 Fixed          H.pr 0.023          V.pr 0.060

GPSQC1 NM Min SVs          10          PDOP max  2.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  7      VDOP max  2.4
        Monitor status Not monitored      RMS      10.0
        Horz SD          Vert SD
        Start wk 1578 sec 158594.4      End wk 1578 sec 158600.2

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx  0.0001800042      VCV xy  0.000196579
        VCV xz  -0.00015513      VCV yy  0.0002629289
        VCV yz  -0.0001938622      VCV zz  0.0001951319

PT DGN SO Name          20159          To the Point

GRID D SO Delta N      0.043          Delta E      0.070
        Delta Elv    -0.056

GPSVEC SO Point ID 3021945      DX  1960.282      DY  -3116.324
        Class Stake out      DZ  -2704.088      Code 21945
        Obs L1 Fixed          H.pr 0.023          V.pr 0.059

GPSQC1 NM Min SVs          10          PDOP max  2.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  7      VDOP max  2.4
        Monitor status Not monitored      RMS      10.0
        Horz SD          Vert SD
        Start wk 1578 sec 158660.2      End wk 1578 sec 158665.8

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx  0.0001758523      VCV xy  0.0001914902
        VCV xz  -0.0001515214      VCV yy  0.0002552276
        VCV yz  -0.0001877955      VCV zz  0.0001895511

PT DGN SO Name          21945          To the Point

GRID D SO Delta N      0.080          Delta E      -0.116
        Delta Elv    -0.026

GPSVEC SO Point ID 3020161      DX  1959.258      DY  -3118.472
        Class Stake out      DZ  -2705.591      Code 20161
        Obs L1 Fixed          H.pr 0.022          V.pr 0.060

GPSQC1 NM Min SVs          10          PDOP max  2.6
        Relative DOPs Yes      HDOP max  0.9
        Total GPS pos  6      VDOP max  2.4
        Monitor status Not monitored      RMS      10.2
        Horz SD          Vert SD
        Start wk 1578 sec 158733.4      End wk 1578 sec 158738.4

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx  0.0001737631      VCV xy  0.0001910012
        VCV xz  -0.0001531926      VCV yy  0.000258333
        VCV yz  -0.0001939701      VCV zz  0.0001982757
    
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PT DGN SO Name          20161          To the Point
GRID D SO Delta N      0.043          Delta E      -0.116
        Delta Elv      0.009
GPSVEC SO Point ID 3020163    DX  1930.985    DY  -3103.973
        Class Stake out    DZ  -2704.268    Code 20163
        Obs L1 Fixed       H.pr 0.023      V.pr 0.060
GPSQC1 NM Min SVs         10          PDOP max    2.6
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 6      VDOP max    2.4
        Monitor status Not monitored RMS          12.2
        Horz SD              Vert SD
        Start wk 1578 sec 158794.6 End wk 1578 sec 158799.6
GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx 0.0001735991 VCV xy 0.000191777
        VCV xz -0.0001551935 VCV yy 0.000261662
        VCV yz -0.0001987669 VCV zz 0.0002049969
PT DGN SO Name          20163          To the Point
GRID D SO Delta N      -0.064          Delta E      0.029
        Delta Elv      -0.024
GPSVEC SO Point ID 3021946    DX  1931.946    DY  -3101.803
        Class Stake out    DZ  -2702.782    Code 21946
        Obs L1 Fixed       H.pr 0.023      V.pr 0.062
GPSQC1 NM Min SVs         10          PDOP max    2.7
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 6      VDOP max    2.5
        Monitor status Not monitored RMS          14.9
        Horz SD              Vert SD
        Start wk 1578 sec 158844.0 End wk 1578 sec 158849.2
GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx 0.0001829272 VCV xy 0.0002027618
        VCV xz -0.0001650851 VCV yy 0.0002783518
        VCV yz -0.0002130333 VCV zz 0.0002211954
PT DGN SO Name          21946          To the Point
GRID D SO Delta N      -0.008          Delta E      0.081
        Delta Elv      -0.001
GPSVEC SO Point ID 3021947    DX  1905.215    DY  -3088.210
        Class Stake out    DZ  -2701.780    Code 21947
        Obs L1 Fixed       H.pr 0.023      V.pr 0.062
GPSQC1 NM Min SVs         10          PDOP max    2.7
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 7      VDOP max    2.5
        Monitor status Not monitored RMS          11.0
        Horz SD              Vert SD
        Start wk 1578 sec 158905.4 End wk 1578 sec 158910.8
GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx 0.0001777185 VCV xy 0.0001977247
        VCV xz -0.0001621694 VCV yy 0.0002736079
        VCV yz -0.0002112577 VCV zz 0.0002212609
PT DGN SO Name          21947          To the Point
GRID D SO Delta N      0.157          Delta E      0.072
        Delta Elv      0.068
GPSVEC SO Point ID 3020165    DX  1904.215    DY  -3090.288
        Class Stake out    DZ  -2703.194    Code 20165
        Obs L1 Fixed       H.pr 0.023      V.pr 0.062
GPSQC1 NM Min SVs         10          PDOP max    2.7
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 7      VDOP max    2.5
        Monitor status Not monitored RMS          11.1
        Horz SD              Vert SD
        Start wk 1578 sec 158942.8 End wk 1578 sec 158948.6
GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx 0.0001767013 VCV xy 0.0001970263
        VCV xz -0.0001622933 VCV yy 0.0002739984
        VCV yz -0.0002126456 VCV zz 0.0002239354
PT DGN SO Name          20165          To the Point
GRID D SO Delta N      0.008          Delta E      0.008
        Delta Elv      0.019
GPSVEC SO Point ID 3021948    DX  1868.424    DY  -3069.387
        Class Stake out    DZ  -2700.006    Code 21948
        Obs L1 Fixed       H.pr 0.023      V.pr 0.060
GPSQC1 NM Min SVs         11          PDOP max    2.6
        Relative DOPs Yes    HDOP max    1.0
        Total GPS pos 6      VDOP max    2.4
        Monitor status Not monitored RMS          14.9
        Horz SD              Vert SD
        Start wk 1578 sec 159020.2 End wk 1578 sec 159025.2
    
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GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0001686482 VCV xy 0.0001871069
          VCV xz -0.0001547438 VCV yy 0.0002602507
          VCV yz -0.0002022265 VCV zz 0.0002154356

PT DGN SO Name 21948 To the Point

GRID D SO Delta N 0.128 Delta E -0.032
          Delta Elv 0.024

GPSVEC SO Point ID 3021949 DX 1867.787 DY -3068.837
          Class Stake out DZ -2699.890 Code 21949
          Obs L1 Fixed H.pr 0.022 V.pr 0.060

GPSQC1 NM Min SVs 11 PDOP max 2.6
          Relative DOPs Yes HDOP max 1.0
          Total GPS pos 6 VDOP max 2.4
          Monitor status Not monitored RMS 14.3
          Horz SD Vert SD
          Start wk 1578 sec 159083.8 End wk 1578 sec 159088.8

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0001609551 VCV xy 0.0001792824
          VCV xz -0.000149949 VCV yy 0.0002517688
          VCV yz -0.0001987735 VCV zz 0.0002150482

PT DGN SO Name 21949 To the Point

GRID D SO Delta N 0.005 Delta E -0.003
          Delta Elv 0.116

GPSVEC SO Point ID 3020167 DX 1866.376 DY -3070.955
          Class Stake out DZ -2701.394 Code 20167
          Obs L1 Fixed H.pr 0.022 V.pr 0.059

GPSQC1 NM Min SVs 11 PDOP max 2.5
          Relative DOPs Yes HDOP max 1.0
          Total GPS pos 7 VDOP max 2.4
          Monitor status Not monitored RMS 12.6
          Horz SD Vert SD
          Start wk 1578 sec 159129.8 End wk 1578 sec 159135.6

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0001572677 VCV xy 0.0001756932
          VCV xz -0.0001477516 VCV yy 0.0002484436
          VCV yz -0.0001975613 VCV zz 0.0002155115

PT DGN SO Name 20167 To the Point

GRID D SO Delta N 0.066 Delta E 0.068
          Delta Elv -0.051

GPSVEC SO Point ID 3021950 DX 1837.618 DY -3053.373
          Class Stake out DZ -2698.213 Code 21950
          Obs L1 Fixed H.pr 0.022 V.pr 0.059

GPSQC1 NM Min SVs 11 PDOP max 2.5
          Relative DOPs Yes HDOP max 1.0
          Total GPS pos 6 VDOP max 2.3
          Monitor status Not monitored RMS 16.2
          Horz SD Vert SD
          Start wk 1578 sec 159196.0 End wk 1578 sec 159201.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0001534948 VCV xy 0.0001721632
          VCV xz -0.0001457608 VCV yy 0.0002461411
          VCV yz -0.0001974538 VCV zz 0.0002177314

PT DGN SO Name 21950 To the Point

GRID D SO Delta N 0.035 Delta E -0.050
          Delta Elv 0.003

GPSVEC SO Point ID 3020169 DX 1836.554 DY -3055.513
          Class Stake out DZ -2699.679 Code 20169
          Obs L1 Fixed H.pr 0.022 V.pr 0.058

GPSQC1 NM Min SVs 11 PDOP max 2.5
          Relative DOPs Yes HDOP max 1.0
          Total GPS pos 6 VDOP max 2.3
          Monitor status Not monitored RMS 12.8
          Horz SD Vert SD
          Start wk 1578 sec 159267.4 End wk 1578 sec 159272.4

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0001465091 VCV xy 0.0001648506
          VCV xz -0.0001404979 VCV yy 0.0002382982
          VCV yz -0.0001928016 VCV zz 0.0002152294

PT DGN SO Name 20169 To the Point

GRID D SO Delta N -0.023 Delta E -0.086
          Delta Elv -0.082

GPSVEC SO Point ID 3021951 DX 1827.307 DY -3048.045
          Class Stake out DZ -2697.738 Code 21951
          Obs L1 Fixed H.pr 0.022 V.pr 0.057
    
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GPSQC1 NM Min SVs 11 PDOP max 2.5
 Relative DOPs Yes HDOP max 1.0
 Total GPS pos 7 VDOP max 2.3
 Monitor status Not monitored RMS 16.1
 Horz SD Vert SD
 Start wk 1578 sec 159319.0 End wk 1578 sec 159324.8

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
 VCV xx 0.0001402702 VCV xy 0.0001581412
 VCV xz -0.0001353761 VCV yy 0.0002303904
 VCV yz -0.0001874824 VCV zz 0.0002112567

PT DGN SO Name 21951 To the Point

GRID D SO Delta N 0.092 Delta E 0.152
 Delta Elv 0.056

NOTE TS Time Date 04/05/2010 Time 13:16:14

GPSVEC SO Point ID 3020171 DX 1825.970 DY -3050.017
 Class Stake out DZ -2699.141 Code 20171
 Obs L1 Fixed H.pr 0.022 V.pr 0.057

GPSQC1 NM Min SVs 11 PDOP max 2.4
 Relative DOPs Yes HDOP max 1.0
 Total GPS pos 6 VDOP max 2.3
 Monitor status Not monitored RMS 14.9
 Horz SD Vert SD
 Start wk 1578 sec 159382.2 End wk 1578 sec 159387.2

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
 VCV xx 0.0001348955 VCV xy 0.0001522936
 VCV xz -0.0001309434 VCV yy 0.000223685
 VCV yz -0.0001835964 VCV zz 0.0002096226

PT DGN SO Name 20171 To the Point

GRID D SO Delta N -0.014 Delta E 0.033
 Delta Elv -0.039

GPSVEC SO Point ID 3021952 DX 1803.020 DY -3030.404
 Class Stake out DZ -2690.004 Code 21952
 Obs L1 Fixed H.pr 0.022 V.pr 0.056

GPSQC1 NM Min SVs 11 PDOP max 2.4
 Relative DOPs Yes HDOP max 1.0
 Total GPS pos 6 VDOP max 2.2
 Monitor status Not monitored RMS 16.7
 Horz SD Vert SD
 Start wk 1578 sec 159446.4 End wk 1578 sec 159451.4

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
 VCV xx 0.0001295793 VCV xy 0.0001467768
 VCV xz -0.0001267974 VCV yy 0.0002186145
 VCV yz -0.0001804617 VCV zz 0.0002081801

PT DGN SO Name 21952 To the Point

GRID D SO Delta N 0.007 Delta E 0.107
 Delta Elv -0.006

GPSVEC SO Point ID 3020173 DX 1801.421 DY -3032.170
 Class Stake out DZ -2691.445 Code 20173
 Obs L1 Fixed H.pr 0.021 V.pr 0.055

GPSQC1 NM Min SVs 11 PDOP max 2.4
 Relative DOPs Yes HDOP max 0.9
 Total GPS pos 6 VDOP max 2.2
 Monitor status Not monitored RMS 16.0
 Horz SD Vert SD
 Start wk 1578 sec 159503.8 End wk 1578 sec 159508.8

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
 VCV xx 0.0001239853 VCV xy 0.0001406062
 VCV xz -0.0001219685 VCV yy 0.0002112492
 VCV yz -0.0001753902 VCV zz 0.0002046913

PT DGN SO Name 20173 To the Point

GRID D SO Delta N -0.014 Delta E 0.007
 Delta Elv -0.019

GPSVEC SO Point ID 3021953 DX 1773.398 DY -3008.851
 Class Stake out DZ -2680.705 Code 21953
 Obs L1 Fixed H.pr 0.021 V.pr 0.054

GPSQC1 NM Min SVs 11 PDOP max 2.3
 Relative DOPs Yes HDOP max 0.9
 Total GPS pos 7 VDOP max 2.2
 Monitor status Not monitored RMS 14.3
 Horz SD Vert SD
 Start wk 1578 sec 159583.2 End wk 1578 sec 159588.8

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
 VCV xx 0.0001161545 VCV xy 0.000132193
 VCV xz -0.0001152538 VCV yy 0.0002020111
 VCV yz -0.0001689865 VCV zz 0.0001999279

PT DGN SO Name 21953 To the Point

GRID D SO Delta N 0.006 Delta E 0.026
 Delta Elv 0.025

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GPSVEC SO Point ID 3020175 DX 1771.557 DY -3010.498
Class Stake out DZ -2682.210 Code 20175
Obs L1 Fixed H.pr 0.021 V.pr 0.053

GPSQC1 NM Min SVs 11 PDOP max 2.3
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 2.1
Monitor status Not monitored RMS 12.5
Horz SD Vert SD
Start wk 1578 sec 159632.6 End wk 1578 sec 159637.6

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0001122316 VCV xy 0.000127926
VCV xz -0.000111856 VCV yy 0.0001974735
VCV yz -0.0001659714 VCV zz 0.0001981837

PT DGN SO Name 20175 To the Point

GRID D SO Delta N 0.109 Delta E -0.037
Delta Elv 0.054

GPSVEC SO Point ID 3021954 DX 1733.181 DY -2979.725
Class Stake out DZ -2668.214 Code 21954
Obs L1 Fixed H.pr 0.024 V.pr 0.044

GPSQC1 NM Min SVs 12 PDOP max 1.7
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 15.4
Horz SD Vert SD
Start wk 1578 sec 159710.6 End wk 1578 sec 159715.6

GPSQC2 NM Ttl satellites 12 Err Scale 0.0090457378
VCV xx 0.0000803754 VCV xy 0.0000896669
VCV xz -0.0000762895 VCV yy 0.0001513024
VCV yz -0.0001239096 VCV zz 0.0001595458

PT DGN SO Name 21954 To the Point

GRID D SO Delta N 0.130 Delta E 0.030
Delta Elv 0.046

GPSVEC SO Point ID 3020177 DX 1731.706 DY -2981.572
Class Stake out DZ -2669.672 Code 20177
Obs L1 Fixed H.pr 0.024 V.pr 0.044

GPSQC1 NM Min SVs 12 PDOP max 1.7
Relative DOPs Yes HDOP max 0.8
Total GPS pos 6 VDOP max 1.5
Monitor status Not monitored RMS 15.2
Horz SD Vert SD
Start wk 1578 sec 159761.0 End wk 1578 sec 159766.0

GPSQC2 NM Ttl satellites 12 Err Scale 0.0089845452
VCV xx 0.0000779168 VCV xy 0.0000869522
VCV xz -0.0000741116 VCV yy 0.0001484019
VCV yz -0.0001221503 VCV zz 0.0001588784

PT DGN SO Name 20177 To the Point

GRID D SO Delta N 0.049 Delta E 0.055
Delta Elv 0.029

NOTE TS Time Date 04/05/2010 Time 14:08:01

GPSVEC SO Point ID 3021955 DX 1685.929 DY -2954.294
Class Stake out DZ -2664.278 Code 21955
Obs L1 Fixed H.pr 0.022 V.pr 0.027

GPSQC1 NM Min SVs 11 PDOP max 1.4
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 1.1
Monitor status Not monitored RMS 12.1
Horz SD Vert SD
Start wk 1578 sec 162489.0 End wk 1578 sec 162494.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0000270912 VCV xy 0.0000218066
VCV xz -0.0000061803 VCV yy 0.0000543255
VCV yz -0.0000344088 VCV zz 0.0001013188

PT DGN SO Name 21955 To the Point

GRID D SO Delta N -0.065 Delta E -0.036
Delta Elv -0.025

GPSVEC SO Point ID 3020179 DX 1684.942 DY -2956.512
Class Stake out DZ -2665.920 Code 20179
Obs L1 Fixed H.pr 0.021 V.pr 0.025

GPSQC1 NM Min SVs 11 PDOP max 1.3
Relative DOPs Yes HDOP max 0.9
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 12.6
Horz SD Vert SD
Start wk 1578 sec 162544.6 End wk 1578 sec 162550.4

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
VCV xx 0.0000266388 VCV xy 0.0000207237
VCV xz -0.0000039828 VCV yy 0.0000493472
VCV yz -0.0000301026 VCV zz 0.0000907954
    
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PT DGN	SO	Name	20179	To the Point	
GRID D	SO	Delta N	0.025	Delta E	0.001
		Delta Elv	-0.038		
GPSVEC	SO	Point ID 3021956	DX 1649.840	DY	-2935.153
		Class Stake out	DZ -2661.625	Code	21956
		Obs L1 Fixed	H.pr 0.021	V.pr	0.026
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	14.6
		Horz SD		Vert SD	
		Start wk 1578	sec 162613.4	End wk 1578	sec 162618.4
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0000270086	VCV xy	0.0000212889
		VCV xz	-0.0000048421	VCV yy	0.0000516154
		VCV yz	-0.00000305216	VCV zz	0.0000948781
PT DGN	SO	Name	21956	To the Point	
GRID D	SO	Delta N	0.012	Delta E	-0.166
		Delta Elv	-0.063		
GPSVEC	SO	Point ID 3020181	DX 1648.567	DY	-2937.055
		Class Stake out	DZ -2663.237	Code	20181
		Obs L1 Fixed	H.pr 0.021	V.pr	0.026
GPSQC1	NM	Min SVs	11	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.1
		Monitor status	Not monitored	RMS	10.4
		Horz SD		Vert SD	
		Start wk 1578	sec 162647.0	End wk 1578	sec 162652.0
GPSQC2	NM	Ttl satellites	11	Err Scale	0.0077459668
		VCV xx	0.0000270423	VCV xy	0.0000214745
		VCV xz	-0.0000050272	VCV yy	0.0000525721
		VCV yz	-0.00000303752	VCV zz	0.0000951436
PT DGN	SO	Name	20181	To the Point	
GRID D	SO	Delta N	0.005	Delta E	-0.001
		Delta Elv	0.040		
GPSVEC	SO	Point ID 3021957	DX 1604.822	DY	-2911.222
		Class Stake out	DZ -2658.294	Code	21957
		Obs L1 Fixed	H.pr 0.021	V.pr	0.024
GPSQC1	NM	Min SVs	12	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	11.9
		Horz SD		Vert SD	
		Start wk 1578	sec 162705.4	End wk 1578	sec 162710.4
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0077459668
		VCV xx	0.0000272742	VCV xy	0.0000222034
		VCV xz	-0.0000055332	VCV yy	0.0000509817
		VCV yz	-0.0000239323	VCV zz	0.0000814038
PT DGN	SO	Name	21957	To the Point	
GRID D	SO	Delta N	0.035	Delta E	0.053
		Delta Elv	-0.081		
GPSVEC	SO	Point ID 3020183	DX 1603.465	DY	-2913.132
		Class Stake out	DZ -2659.856	Code	20183
		Obs L1 Fixed	H.pr 0.020	V.pr	0.024
GPSQC1	NM	Min SVs	12	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.8
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	12.6
		Horz SD		Vert SD	
		Start wk 1578	sec 162760.8	End wk 1578	sec 162765.8
GPSQC2	NM	Ttl satellites	12	Err Scale	0.0077459668
		VCV xx	0.000027103	VCV xy	0.0000225133
		VCV xz	-0.0000071565	VCV yy	0.0000487012
		VCV yz	-0.0000212657	VCV zz	0.0000759373
PT DGN	SO	Name	20183	To the Point	
GRID D	SO	Delta N	0.036	Delta E	-0.019
		Delta Elv	-0.042		
GPSVEC	SO	Point ID 3020185	DX 1560.580	DY	-2890.309
		Class Stake out	DZ -2656.615	Code	20185
		Obs L1 Fixed	H.pr 0.021	V.pr	0.025
GPSQC1	NM	Min SVs	11	PDOP max	1.3
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	12.2
		Horz SD		Vert SD	
		Start wk 1578	sec 162825.6	End wk 1578	sec 162830.6

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GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0000275818 VCV xy 0.0000223914
          VCV xz -0.0000058328 VCV yy 0.0000518583
          VCV yz -0.0000245011 VCV zz 0.0000856897

PT DGN SO Name 20185 To the Point

GRID D SO Delta N 0.004 Delta E 0.009
          Delta Elv -0.081

GPSVEC SO Point ID 3021958 DX 1562.232 DY -2888.426
          Class Stake out DZ -2655.080 Code 21958
          Obs L1 Fixed H.pr 0.021 V.pr 0.025

GPSQC1 NM Min SVs 11 PDOP max 1.4
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 7 VDOP max 1.0
          Monitor status Not monitored RMS 13.2
          Horz SD Vert SD
          Start wk 1578 sec 162871.2 End wk 1578 sec 162877.0

GPSQC2 NM Ttl satellites 11 Err Scale 0.0077459668
          VCV xx 0.0000275417 VCV xy 0.0000223283
          VCV xz -0.0000053581 VCV yy 0.0000532671
          VCV yz -0.0000254048 VCV zz 0.0000880397

PT DGN SO Name 21958 To the Point

GRID D SO Delta N -0.049 Delta E -0.040
          Delta Elv -0.023

GPSVEC SO Point ID 3021959 DX 1543.822 DY -2873.416
          Class Stake out DZ -2647.181 Code 21959
          Obs L1 Fixed H.pr 0.022 V.pr 0.025

GPSQC1 NM Min SVs 10 PDOP max 1.4
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 7 VDOP max 1.0
          Monitor status Not monitored RMS 8.8
          Horz SD Vert SD
          Start wk 1578 sec 162931.0 End wk 1578 sec 162936.8

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
          VCV xx 0.0000278519 VCV xy 0.0000224961
          VCV xz -0.0000049306 VCV yy 0.00005487
          VCV yz -0.000025912 VCV zz 0.0000898908

PT DGN SO Name 21959 To the Point

GRID D SO Delta N 0.025 Delta E -0.006
          Delta Elv -0.054

GPSVEC SO Point ID 3020187 DX 1541.471 DY -2874.642
          Class Stake out DZ -2648.341 Code 20187
          Obs L1 Fixed H.pr 0.022 V.pr 0.025

GPSQC1 NM Min SVs 10 PDOP max 1.4
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 6 VDOP max 1.0
          Monitor status Not monitored RMS 11.3
          Horz SD Vert SD
          Start wk 1578 sec 162985.4 End wk 1578 sec 162990.4

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
          VCV xx 0.0000281839 VCV xy 0.0000227598
          VCV xz -0.0000047393 VCV yy 0.0000559273
          VCV yz -0.0000257138 VCV zz 0.0000902813

PT DGN SO Name 20187 To the Point

GRID D SO Delta N -0.033 Delta E 0.094
          Delta Elv -0.091

GPSVEC SO Point ID 3021960 DX 1522.787 DY -2842.741
          Class Stake out DZ -2621.545 Code 21960
          Obs L1 Fixed H.pr 0.022 V.pr 0.025

GPSQC1 NM Min SVs 10 PDOP max 1.4
          Relative DOPs Yes HDOP max 0.9
          Total GPS pos 7 VDOP max 1.0
          Monitor status Not monitored RMS 12.5
          Horz SD Vert SD
          Start wk 1578 sec 163145.0 End wk 1578 sec 163150.8

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
          VCV xx 0.0000284497 VCV xy 0.0000231988
          VCV xz -0.000004098 VCV yy 0.0000568451
          VCV yz -0.0000226676 VCV zz 0.0000849726

PT DGN SO Name 21960 To the Point

GRID D SO Delta N 0.023 Delta E 0.085
          Delta Elv -0.032

GPSVEC SO Point ID 3020189 DX 1520.199 DY -2843.490
          Class Stake out DZ -2622.360 Code 20189
          Obs L1 Fixed H.pr 0.022 V.pr 0.025
    
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GPSQC1	NM	Min SVs	10	PDOP max	1.4
		Relative DOPs	Yes	HDOP max	0.9
		Total GPS pos	6	VDOP max	1.0
		Monitor status	Not monitored	RMS	13.1
		Horz SD		Vert SD	
		Start wk 1578 sec	163205.0	End wk 1578 sec	163210.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0077459668
		VCV xx	0.0000287115	VCV xy	0.0000236203
		VCV xz	-0.0000043626	VCV yy	0.0000577977
		VCV yz	-0.0000221032	VCV zz	0.0000845969
PT DGN	SO	Name	20189	To the Point	
GRID D	SO	Delta N	0.127	Delta E	-0.038
		Delta Elv	-0.005		
GPSVEC	SO	Point ID 3021961		DY	-2811.150
		Class Stake out		Code	21961
		Obs L1 Fixed	H.pr 0.026	V.pr	0.039
GPSQC1	NM	Min SVs	11	PDOP max	1.5
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	17.3
		Horz SD		Vert SD	
		Start wk 1578 sec	163280.6	End wk 1578 sec	163285.6
GPSQC2	NM	Ttl satellites	11	Err Scale	0.009268011
		VCV xx	0.0000443288	VCV xy	0.0000376464
		VCV xz	-0.0000087069	VCV yy	0.000084735
		VCV yz	-0.0000225367	VCV zz	0.0001093298
PT DGN	SO	Name	21961	To the Point	
GRID D	SO	Delta N	0.023	Delta E	-0.048
		Delta Elv	0.022		
GPSVEC	SO	Point ID 3020191		DY	-2812.117
		Class Stake out		Code	20191
		Obs L1 Fixed	H.pr 0.032	V.pr	0.045
GPSQC1	NM	Min SVs	10	PDOP max	1.7
		Relative DOPs	Yes	HDOP max	1.0
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	16.5
		Horz SD		Vert SD	
		Start wk 1578 sec	163372.0	End wk 1578 sec	163377.0
GPSQC2	NM	Ttl satellites	10	Err Scale	0.0100281639
		VCV xx	0.0000540379	VCV xy	0.0000466675
		VCV xz	-0.0000101062	VCV yy	0.0001045736
		VCV yz	-0.0000252697	VCV zz	0.0001286245
PT DGN	SO	Name	20191	To the Point	
GRID D	SO	Delta N	0.003	Delta E	-0.084
		Delta Elv	-0.079		
GPSVEC	SO	Point ID 3021962		DY	-2785.915
		Class Stake out		Code	21962
		Obs L1 Fixed	H.pr 0.037	V.pr	0.040
GPSQC1	NM	Min SVs	9	PDOP max	1.8
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.3
		Monitor status	Not monitored	RMS	17.7
		Horz SD		Vert SD	
		Start wk 1578 sec	163453.0	End wk 1578 sec	163458.0
GPSQC2	NM	Ttl satellites	9	Err Scale	0.0096916892
		VCV xx	0.0000526394	VCV xy	0.0000454907
		VCV xz	-0.0000093787	VCV yy	0.0001059751
		VCV yz	-0.0000293882	VCV zz	0.0001348617
PT DGN	SO	Name	21962	To the Point	
GRID D	SO	Delta N	0.045	Delta E	-0.011
		Delta Elv	-0.082		
GPSVEC	SO	Point ID 3020193		DY	-2786.712
		Class Stake out		Code	20193
		Obs L1 Fixed	H.pr 0.039	V.pr	0.044
GPSQC1	NM	Min SVs	9	PDOP max	1.9
		Relative DOPs	Yes	HDOP max	1.2
		Total GPS pos	6	VDOP max	1.4
		Monitor status	Not monitored	RMS	16.1
		Horz SD		Vert SD	
		Start wk 1578 sec	163544.8	End wk 1578 sec	163549.8
GPSQC2	NM	Ttl satellites	9	Err Scale	0.0099999998
		VCV xx	0.0000568887	VCV xy	0.0000494845
		VCV xz	-0.0000101479	VCV yy	0.0001175626
		VCV yz	-0.0000325248	VCV zz	0.0001473158
PT DGN	SO	Name	20193	To the Point	
GRID D	SO	Delta N	-0.086	Delta E	0.060
		Delta Elv	-0.020		

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GPSVEC SO Point ID 3021963 DX 1478.502 DY -2777.289
Class Stake out DZ -2566.388 Code 21963
Obs L1 Fixed H.pr 0.037 V.pr 0.041

GPSQC1 NM Min SVs 9 PDOP max 1.8
Relative DOPs Yes HDOP max 1.2
Total GPS pos 6 VDOP max 1.4
Monitor status Not monitored RMS 18.6
Horz SD Vert SD
Start wk 1578 sec 163626.6 End wk 1578 sec 163631.6

GPSQC2 NM Ttl satellites 9 Err Scale 0.0096458718
VCV xx 0.0000536465 VCV xy 0.0000471028
VCV xz -0.000009917 VCV yy 0.0001124571
VCV yz -0.0000292974 VCV zz 0.0001365003

PT DGN SO Name 21963 To the Point

GRID D SO Delta N 0.012 Delta E 0.082
Delta Elv -0.054

GPSVEC SO Point ID 2300597 DX 1475.668 DY -2777.763
Class Stake out DZ -2566.832 Code 20597
Obs L1 Fixed H.pr 0.029 V.pr 0.032

GPSQC1 NM Min SVs 9 PDOP max 1.6
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 14.9
Horz SD Vert SD
Start wk 1578 sec 163749.8 End wk 1578 sec 163754.8

GPSQC2 NM Ttl satellites 9 Err Scale 0.0085600587
VCV xx 0.0000431356 VCV xy 0.0000384525
VCV xz -0.0000085029 VCV yy 0.000092239
VCV yz -0.0000215351 VCV zz 0.0001062182

PT DGN SO Name 20597 To the Point

GRID D SO Delta N 0.032 Delta E 0.010
Delta Elv -0.126

GPSVEC SO Point ID 3021964 DX 1481.874 DY -2744.879
Class Stake out DZ -2524.545 Code 21964
Obs L1 Fixed H.pr 0.030 V.pr 0.032

GPSQC1 NM Min SVs 9 PDOP max 1.6
Relative DOPs Yes HDOP max 1.1
Total GPS pos 6 VDOP max 1.2
Monitor status Not monitored RMS 15.7
Horz SD Vert SD
Start wk 1578 sec 163823.2 End wk 1578 sec 163828.2

GPSQC2 NM Ttl satellites 10 Err Scale 0.0087842094
VCV xx 0.0000451416 VCV xy 0.0000413676
VCV xz -0.0000089851 VCV yy 0.0000932192
VCV yz -0.000012136 VCV zz 0.0000927657

PT DGN SO Name 21964 To the Point

GRID D SO Delta N -0.009 Delta E 0.125
Delta Elv 0.006

GPSVEC SO Point ID 3020600 DX 1479.178 DY -2744.788
Class Stake out DZ -2524.182 Code 20600
Obs L1 Fixed H.pr 0.033 V.pr 0.035

GPSQC1 NM Min SVs 9 PDOP max 1.7
Relative DOPs Yes HDOP max 1.2
Total GPS pos 7 VDOP max 1.2
Monitor status Not monitored RMS 14.2
Horz SD Vert SD
Start wk 1578 sec 163863.0 End wk 1578 sec 163868.6

GPSQC2 NM Ttl satellites 9 Err Scale 0.0091682216
VCV xx 0.0000460761 VCV xy 0.0000403734
VCV xz -0.000013556 VCV yy 0.0000959124
VCV yz -0.00001308 VCV zz 0.0001124751

PT DGN SO Name 20600 To the Point

GRID D SO Delta N -0.053 Delta E -0.021
Delta Elv -0.083

GPSVEC SO Point ID 3021965 DX 1485.710 DY -2708.069
Class Stake out DZ -2476.831 Code 21965
Obs L1 Fixed H.pr 0.023 V.pr 0.026

GPSQC1 NM Min SVs 10 PDOP max 1.4
Relative DOPs Yes HDOP max 1.0
Total GPS pos 6 VDOP max 1.0
Monitor status Not monitored RMS 12.5
Horz SD Vert SD
Start wk 1578 sec 163935.6 End wk 1578 sec 163940.8

GPSQC2 NM Ttl satellites 10 Err Scale 0.0077459668
VCV xx 0.0000358384 VCV xy 0.0000315474
VCV xz -0.0000140164 VCV yy 0.0000717085
VCV yz -0.0000116439 VCV zz 0.0000790601

PT DGN SO Name 21965 To the Point
    
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GRID D SO Delta N      -0.066          Delta E      0.144
        Delta Elv     -0.039

GPSVEC SO Point ID 3020603    DX  1483.139    DY  -2707.826
        Class Stake out    DZ  -2476.536    Code 20603
        Obs L1 Fixed       H.pr 0.023      V.pr 0.026

GPSQC1 NM Min SVs         10          PDOP max    1.4
        Relative DOPs Yes    HDOP max    1.0
        Total GPS pos 6      VDOP max    1.0
        Monitor status Not monitored RMS          14.3
        Horz SD              Vert SD
        Start wk 1578 sec 163989.0 End wk 1578 sec 163994.0

GPSQC2 NM Ttl satellites 10          Err Scale 0.0077459668
        VCV xx 0.0000360345    VCV xy 0.0000319934
        VCV xz -0.0000144248    VCV yy 0.0000718918
        VCV yz -0.0000112552    VCV zz 0.000077283

PT DGN SO Name          20603          To the Point

GRID D SO Delta N      0.099          Delta E      -0.107
        Delta Elv     0.065

GPSVEC SO Point ID 3021966    DX  1490.046    DY  -2667.394
        Class Stake out    DZ  -2424.145    Code 21966
        Obs L1 Fixed       H.pr 0.021      V.pr 0.024

GPSQC1 NM Min SVs         11          PDOP max    1.3
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 7      VDOP max    1.0
        Monitor status Not monitored RMS          10.8
        Horz SD              Vert SD
        Start wk 1578 sec 164075.4 End wk 1578 sec 164081.2

GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000336607    VCV xy 0.0000308868
        VCV xz -0.0000097206    VCV yy 0.000070506
        VCV yz -0.0000102356    VCV zz 0.0000542791

PT DGN SO Name          21966          To the Point

GRID D SO Delta N      -0.010         Delta E      0.052
        Delta Elv     -0.037

GPSVEC SO Point ID 3020606    DX  1487.264    DY  -2667.355
        Class Stake out    DZ  -2423.991    Code 20606
        Obs L1 Fixed       H.pr 0.021      V.pr 0.024

GPSQC1 NM Min SVs         11          PDOP max    1.3
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 7      VDOP max    1.0
        Monitor status Not monitored RMS          10.1
        Horz SD              Vert SD
        Start wk 1578 sec 164122.2 End wk 1578 sec 164128.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000344107    VCV xy 0.0000318502
        VCV xz -0.0000102061    VCV yy 0.0000719471
        VCV yz -0.000010455     VCV zz 0.0000537356

PT DGN SO Name          20606          To the Point

GRID D SO Delta N      0.063          Delta E      -0.018
        Delta Elv     -0.067

GPSVEC SO Point ID 3021967    DX  1494.260    DY  -2629.262
        Class Stake out    DZ  -2374.558    Code 21967
        Obs L1 Fixed       H.pr 0.021      V.pr 0.024

GPSQC1 NM Min SVs         11          PDOP max    1.3
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 6      VDOP max    1.0
        Monitor status Not monitored RMS          13.6
        Horz SD              Vert SD
        Start wk 1578 sec 164202.6 End wk 1578 sec 164207.6

GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.000034843     VCV xy 0.0000326522
        VCV xz -0.0000103785    VCV yy 0.0000735314
        VCV yz -0.0000104024    VCV zz 0.0000517807

PT DGN SO Name          21967          To the Point

GRID D SO Delta N      0.067          Delta E      0.041
        Delta Elv     -0.074

GPSVEC SO Point ID 3020609    DX  1491.467    DY  -2629.077
        Class Stake out    DZ  -2374.304    Code 20609
        Obs L1 Fixed       H.pr 0.021      V.pr 0.024

GPSQC1 NM Min SVs         11          PDOP max    1.3
        Relative DOPs Yes    HDOP max    0.9
        Total GPS pos 6      VDOP max    1.0
        Monitor status Not monitored RMS          11.9
        Horz SD              Vert SD
        Start wk 1578 sec 164242.0 End wk 1578 sec 164247.0

GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000350437    VCV xy 0.0000330339
        VCV xz -0.0000103614    VCV yy 0.0000745946
        VCV yz -0.0000098575    VCV zz 0.0000523001
    
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PT DGN SO Name          20609          To the Point
GRID D SO Delta N      -0.113          Delta E      0.063
        Delta Elv      -0.057
NOTE   TS Time Date 04/05/2010 Time 14:38:36
GPSVEC SO Point ID 3021968      DX  1497.218      DY  -2602.500
        Class Stake out      DZ  -2339.813      Code 21968
        Obs L1 Fixed          H.pr 0.021          V.pr 0.024
GPSQC1 NM Min SVs          11          PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 13.7
        Horz SD              Vert SD
        Start wk 1578 sec 164324.4 End wk 1578 sec 164329.4
GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000353423      VCV xy 0.0000336964
        VCV xz -0.0000103644      VCV yy 0.0000762573
        VCV yz -0.000009837      VCV zz 0.0000501204
PT DGN SO Name          21968          To the Point
GRID D SO Delta N      -0.078          Delta E      0.114
        Delta Elv      -0.077
GPSVEC SO Point ID 3021524      DX  1494.429      DY  -2602.403
        Class Stake out      DZ  -2339.723      Code 21524
        Obs L1 Fixed          H.pr 0.021          V.pr 0.024
GPSQC1 NM Min SVs          11          PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 7        VDOP max 1.0
        Monitor status Not monitored RMS 14.4
        Horz SD              Vert SD
        Start wk 1578 sec 164373.4 End wk 1578 sec 164379.0
GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000355052      VCV xy 0.0000340705
        VCV xz -0.000010373      VCV yy 0.0000772126
        VCV yz -0.0000098575      VCV zz 0.0000489096
PT DGN SO Name          21524          To the Point
GRID D SO Delta N      0.021          Delta E      0.074
        Delta Elv      -0.031
GPSVEC SO Point ID 3021969      DX  1498.850      DY  -2588.703
        Class Stake out      DZ  -2321.822      Code 21969
        Obs L1 Fixed          H.pr 0.021          V.pr 0.025
GPSQC1 NM Min SVs          11          PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 10.2
        Horz SD              Vert SD
        Start wk 1578 sec 164436.8 End wk 1578 sec 164441.8
GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.000036035      VCV xy 0.0000348523
        VCV xz -0.0000105025      VCV yy 0.0000791311
        VCV yz -0.0000100114      VCV zz 0.0000478729
PT DGN SO Name          21969          To the Point
GRID D SO Delta N      0.036          Delta E      -0.001
        Delta Elv      -0.070
GPSVEC SO Point ID 3021522      DX  1495.983      DY  -2588.282
        Class Stake out      DZ  -2321.390      Code 21522
        Obs L1 Fixed          H.pr 0.021          V.pr 0.024
GPSQC1 NM Min SVs          11          PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 12.5
        Horz SD              Vert SD
        Start wk 1578 sec 164480.4 End wk 1578 sec 164485.4
GPSQC2 NM Ttl satellites 11          Err Scale 0.0077459668
        VCV xx 0.0000342258      VCV xy 0.0000326912
        VCV xz -0.0000099762      VCV yy 0.0000770912
        VCV yz -0.0000093741      VCV zz 0.0000470062
PT DGN SO Name          21522          To the Point
GRID D SO Delta N      -0.043          Delta E      0.117
        Delta Elv      -0.009
GPSVEC SO Point ID 3021970      DX  1500.939      DY  -2579.642
        Class Stake out      DZ  -2309.378      Code 21970
        Obs L1 Fixed          H.pr 0.021          V.pr 0.024
GPSQC1 NM Min SVs          11          PDOP max 1.3
        Relative DOPs Yes      HDOP max 0.9
        Total GPS pos 6        VDOP max 1.0
        Monitor status Not monitored RMS 13.6
        Horz SD              Vert SD
        Start wk 1578 sec 164537.8 End wk 1578 sec 164542.8

```

```

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

PT DGN SO Name 21970 To the Point

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

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

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

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

PT DGN SO Name 21519 To the Point

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

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

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

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

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

PT DGN SO Name 106 To the Point

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

SURVEY EVENTKISurvey event Survey ended
    
```