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SC V10-70      Copyright © Trimble Navigation Ltd, 1996-2003
              Serial no 4401      18-Jan-10 06:01
              Angle Degrees      Dist US Feet      Press inch Hg
              Temp Fahrenheit     Coord N-E-Elv      H.obs Right

JOB           Job ID 4-INCH-CPE ASB
              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 11/21/2009 Time 06:33:12

NOTE        NM Following data imported from CAMU Controll1.CSV

NOTE        NM Following data imported from INT-CVR-ASB1.job

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 01                      Lat 36°03'10.41789"N Lng 114°59'30.73489"W
              Class Check Hgt 1648.363 Code 6-13-08-OPUS-BAS
              Obs User Input H.pr <null> V.pr <null>

GPSANT      KI Antenna ht 0.000                Measurement True

GPSPOS      FD Point ID 01                      Lat 36°03'10.41789"N Lng 114°59'30.73489"W
              Class Check Hgt 1648.363 Code 6-13-08-OPUS-BAS
              Obs User Input H.pr <null> V.pr <null>

EQUIP       SI Receiver 4700                    Serial no <no text>
              Antenna Micro-centered L1/L2 w/Ground
              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 0.207                Measurement True

GPSREF      KI Reference 01
    
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INIT   KI   Init event      Gained           Week           1558
        Init type      On the fly       seconds        570866.0
        Init counter   1               Point ID       <no text>
        Survey type    Real Time       Plate H.Dist   <null>
        Plate V.Dist   <null>         Plate azimuth  <null>

EQUIP  NM   Receiver   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=4.020

GPSANT KI   Antenna ht 6.562           Measurement Uncorrected

GPSVEC SO   Point ID 8000           DX -7831.588           DY 1795.294
        Class Stake out      DZ -2248.855           Code CP-501-11-21-09P
        Obs L1 Fixed          H.pr 0.035           V.pr 0.049

F-CODE SO   Code CP-501-11-21-09PRECHK

GPSQC1 NM   Min SVs           7               PDOP max 2.2
        Relative DOPs      Yes            HDOP max 1.3
        Total GPS pos      6             VDOP max 1.8
        Monitor status     Not monitored   RMS 14.7
        Horz SD              Vert SD
        Start wk 1558 sec 570956.6           End wk 1558 sec 570961.6

GPSQC2 NM   Ttl satellites 7               Err Scale 0.0081862947
        VCV xx 0.0001124743           VCV xy 0.0001023961
        VCV xz -0.0000206675          VCV yy 0.0003088471
        VCV yz -0.0001127905          VCV zz 0.0001290209

PT DGN SO   Name           CP-501           To the Point

GRID D  SO   Delta N          0.041           Delta E -0.066
        Delta Elv     -0.024

GPSVEC CN   Point ID 164           DX -7409.439           DY 1719.101
        Class Normal      DZ -2020.608           Code 4-INCH CPE-T.O.P
        Obs L1 Fixed          H.pr 0.024           V.pr 0.036

F-CODE CN   Code 4-INCH CPE-T.O.P.

GPSQC1 NM   Min SVs           7               PDOP max 2.2
        Relative DOPs      Yes            HDOP max 1.3
        Total GPS pos      181           VDOP max 1.8
        Monitor status     Not monitored   RMS 16.0
        Horz SD              Vert SD
        Start wk 1558 sec 571265.0           End wk 1558 sec 571446.0

GPSQC2 NM   Ttl satellites 7               Err Scale 0.0077459668
        VCV xx 0.0000576522           VCV xy 0.0000499648
        VCV xz -0.0000122849          VCV yy 0.0001563296
        VCV yz -0.0000620295          VCV zz 0.0000728062

GPSVEC CN   Point ID 165           DX -7401.076           DY 1725.472
        Class Normal      DZ -2008.292           Code 4-INCH CPE-T.O.P
        Obs L1 Fixed          H.pr 0.022           V.pr 0.034

F-CODE CN   Code 4-INCH CPE-T.O.P.

GPSQC1 NM   Min SVs           7               PDOP max 2.0
        Relative DOPs      Yes            HDOP max 1.1
        Total GPS pos      189           VDOP max 1.7
        Monitor status     Not monitored   RMS 14.6
        Horz SD              Vert SD
        Start wk 1558 sec 571539.0           End wk 1558 sec 571727.8

GPSQC2 NM   Ttl satellites 7               Err Scale 0.0077459668
        VCV xx 0.0000501569           VCV xy 0.0000423342
        VCV xz -0.0000121733          VCV yy 0.0001353129
        VCV yz -0.0000569568          VCV zz 0.0000681855

GPSVEC CN   Point ID 166           DX -7379.756           DY 1742.091
        Class Normal      DZ -1977.027           Code 4-INCH CPE-T.O.P
        Obs L1 Fixed          H.pr 0.021           V.pr 0.032

F-CODE CN   Code 4-INCH CPE-T.O.P.

GPSQC1 NM   Min SVs           7               PDOP max 2.0
        Relative DOPs      Yes            HDOP max 1.1
        Total GPS pos      181           VDOP max 1.7
        Monitor status     Not monitored   RMS 11.3
        Horz SD              Vert SD
        Start wk 1558 sec 571832.8           End wk 1558 sec 572013.6

GPSQC2 NM   Ttl satellites 7               Err Scale 0.0077459668
        VCV xx 0.0000428662           VCV xy 0.0000353674
        VCV xz -0.0000119669          VCV yy 0.0001157041
        VCV yz -0.0000518949          VCV zz 0.0000635909

GPSVEC CN   Point ID 167           DX -7047.218           DY 1624.174
        Class Normal      DZ -1935.407           Code 4-INCH CPE-T.O.P
        Obs L1 Fixed          H.pr 0.019           V.pr 0.030

F-CODE CN   Code 4-INCH CPE-T.O.P.
    
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GPSQC1 NM Min SVs 7 PDOP max 1.9
 Relative DOPs Yes HDOP max 1.0
 Total GPS pos 182 VDOP max 1.6
 Monitor status Not monitored RMS 14.0
 Horz SD Vert SD
 Start wk 1558 sec 572163.6 End wk 1558 sec 572345.6

GPSQC2 NM Ttl satellites 7 Err Scale 0.0077459668
 VCV xx 0.000036128 VCV xy 0.0000292717
 VCV xz -0.0000117763 VCV yy 0.000098304
 VCV yz -0.0000473174 VCV zz 0.0000596956

NOTE TS Time Date 11/21/2009 Time 07:03:14

GPSVEC CN Point ID 168 DX -7058.687 DY 1600.917
 Class Normal DZ -1969.057 Code 4-INCH CPE-T.O.P
 Obs L1 Fixed H.pr 0.018 V.pr 0.029

F-CODE CN Code 4-INCH CPE-T.O.P.

GPSQC1 NM Min SVs 7 PDOP max 1.7
 Relative DOPs Yes HDOP max 0.9
 Total GPS pos 182 VDOP max 1.5
 Monitor status Not monitored RMS 9.7
 Horz SD Vert SD
 Start wk 1558 sec 572427.8 End wk 1558 sec 572610.0

GPSQC2 NM Ttl satellites 7 Err Scale 0.0077459668
 VCV xx 0.0000330198 VCV xy 0.0000265534
 VCV xz -0.0000120309 VCV yy 0.0000907265
 VCV yz -0.0000459162 VCV zz 0.0000592911

GPSVEC CN Point ID 169 DX -7066.339 DY 1590.877
 Class Normal DZ -1984.911 Code 4-INCH CPE-T.O.P
 Obs L1 Fixed H.pr 0.018 V.pr 0.030

F-CODE CN Code 4-INCH CPE-T.O.P.

GPSQC1 NM Min SVs 6 PDOP max 1.7
 Relative DOPs Yes HDOP max 0.9
 Total GPS pos 180 VDOP max 1.5
 Monitor status Not monitored RMS 11.5
 Horz SD Vert SD
 Start wk 1558 sec 572683.6 End wk 1558 sec 572864.8

GPSQC2 NM Ttl satellites 6 Err Scale 0.0077459668
 VCV xx 0.0000326425 VCV xy 0.0000264307
 VCV xz -0.0000137398 VCV yy 0.0000908037
 VCV yz -0.0000488121 VCV zz 0.0000645076

SURVEY EVENTKISurvey event Survey ended