

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 1.0000000000

LOCELL TM Local Rad 20925604.474 Flat. 298.2572229329

DATUM TM Molodensky  
 Srce Rad 20925604.474 Srce Flat 298.2572229329  
 Rotn X 0°00'00" Rotn Y 0°00'00"  
 Rotn Z 0°00'00" Trans X 0.000  
 Trans Y 0.000 Trans Z 0.000  
 Scale 0.00000000

COGO NM Azmth From North Dir North-East

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

HGTADJ TM Inclined Plane  
 Orig Nrth 18483.893 Slope N -1.180  
 Orig East 19186.576 Slope E 4.045  
 Hgt Const 95.308  
 Geoid <no text>

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

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

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

F FILE FC File Used No  
 ID 00000 Name

COGO NM Azmth From North Dir North-East

NOTE TS Time Date 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 Measuremt 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 Measuremt 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 Measuremt True

GPSREF KI Reference 01

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	Measuremt	Uncorrected
GPSVEC	SO	Point ID	8000	DX	-7831.588
		Class	Stake out	DZ	-2248.855
		Obs	L1 Fixed	H.pr	0.035
				DY	1795.294
				Code	CP-501-11-21-09P
				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
		Class	Normal	DZ	-2020.608
		Obs	L1 Fixed	H.pr	0.024
				DY	1719.101
				Code	4-INCH CPE-T.O.P
				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
		Class	Normal	DZ	-2008.292
		Obs	L1 Fixed	H.pr	0.022
				DY	1725.472
				Code	4-INCH CPE-T.O.P
				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
		Class	Normal	DZ	-1977.027
		Obs	L1 Fixed	H.pr	0.021
				DY	1742.091
				Code	4-INCH CPE-T.O.P
				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
		Class	Normal	DZ	-1935.407
		Obs	L1 Fixed	H.pr	0.019
				DY	1624.174
				Code	4-INCH CPE-T.O.P
				V.pr	0.030
F-CODE	CN	Code 4-INCH CPE-T.O.P.			

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