

SC V10-70 Copyright © Trimble Navigation Ltd, 1996-2003
 Serial no 2231 19-Oct-09 12:04
 Angle Degrees Dist US Feet Press inch Hg
 Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID 200909253BRH
 Atmos crn Yes C and R crn Yes Refrac cnst 0.14
 Elev Yes Sea level crn No

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

COGO NM Azmth From North Dir North-East

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

SHFTGRD TM File name <no text>

PROJ TM Transverse Mercator
 Orig Lat 36°03'01.84216"N Orig Nrth 18483.918
 Orig Lng 114°59'53.92840"W Orig East 19186.597
 Orig Hgt 0.000 Orig Elev 0.000
 Orient 1 0°00'00"000 Orient 2 0°00'00"
 Scale 1.0000000000

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

LOCELL TM Local Rad 20925604.474 Flat. 298.2572229329

DATUM TM Molodensky
 Srce Rad 20925604.474 Srce Flat 298.2572235630
 Rotn X 0°00'00" Rotn Y 0°00'00"
 Rotn Z 0°00'00" Trans X 0.000
 Trans Y 0.000 Trans Z 0.000
 Scale 0.000000000

COGO NM Azmth From North Dir North-East

PLANE TM Orig Nrth 18728.937 Orig East 15068.999
 Trans N -24.769 Trans E -1.419
 Rotation -0°20'39.273751" Scale 1.000000000

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

NOTE TS Time Date 10/19/2009 Time 07:16:25

INSTR NM EDM VX & S Series
 Serial no 10847 Firmware R11.0.76
 Mount Not Applic Edm o/s <null>
 J Constant 273.9420092103 N Constant 105.675
 H.col 0°00'00" V.col 0°00'00.972"

PRECIS NM HA Prec 0°00'03" EDM Prec 0.010
 VA Prec 0°00'03" EDM (ppm) 2

ATMOS NM Press 27.70 Temp 75.0
 Refrac cnst 0.142 PPM <null>

STN NM ID CP480 Theo ht 5.414
 Scale 1.0000000000 Type Fixed

BKB NM CP480 - 106
 Azmth <null>
 Face 1 0°00'00" Face 2 <null>

TRGET NM Target ht 7.000 P.C. mm 0.0
 Prism Off 0.000

OBS F1 CP480 - 106
 H.Angle 0°00'00" H.Std Err 0°00'03.769"
 V.Angle 90°16'21.914" V.Std Err 0°00'01.342"
 EDM Dist 372.538 S.Std Err 0.005
 Code se Class Backsight

POLAR D F1 Azmth <null> H.Distance 0.020
 V.Distance 0.011

OBS F1 CP480 - 510036
 H.Angle 70°48'36.072" H.Std Err 0°00'03"
 V.Angle 87°29'45.672" V.Std Err 0°00'03"
 EDM Dist 567.271 S.Std Err 0.011
 Code 10036 Class Stake out

PT DGN SO Name 10036 To the Point

GRID D SO Delta N 0.004 Delta E -0.013
 Delta Elv 0.008

OBS F1 CP480 - 510023
 H.Angle 71°54'32.112" H.Std Err 0°00'03"
 V.Angle 87°35'11.94" V.Std Err 0°00'03"
 EDM Dist 584.816 S.Std Err 0.011
 Code 10023 Class Stake out

PT DGN	SO	Name	10023	To the Point
GRID D	SO	Delta N	-0.026	Delta E
		Delta Elv	0.068	-0.025
OBS	F1	CP480		-
		H.Angle	73°34'30"	510024
		V.Angle	87°39'50.904"	H.Std Err 0°00'03"
		EDM Dist	595.136	V.Std Err 0°00'03"
		Code	10024	S.Std Err 0.011
				Class Stake out
PT DGN	SO	Name	10024	To the Point
GRID D	SO	Delta N	0.015	Delta E
		Delta Elv	0.068	-0.071
OBS	F1	CP480		-
		H.Angle	68°28'03.972"	510021
		V.Angle	87°29'07.44"	H.Std Err 0°00'03"
		EDM Dist	587.271	V.Std Err 0°00'03"
		Code	10021	S.Std Err 0.011
				Class Stake out
PT DGN	SO	Name	10021	To the Point
GRID D	SO	Delta N	0.007	Delta E
		Delta Elv	-0.074	0.006
OBS	F1	CP480		-
		H.Angle	67°19'54.444"	510020
		V.Angle	87°29'08.736"	H.Std Err 0°00'03"
		EDM Dist	595.605	V.Std Err 0°00'03"
		Code	10020	S.Std Err 0.011
				Class Stake out
PT DGN	SO	Name	10020	To the Point
GRID D	SO	Delta N	-0.119	Delta E
		Delta Elv	-0.004	-0.056
OBS	F1	CP480		-
		H.Angle	65°58'56.712"	510019
		V.Angle	87°29'33.684"	H.Std Err 0°00'03"
		EDM Dist	609.664	V.Std Err 0°00'03"
		Code	10019	S.Std Err 0.011
				Class Stake out
PT DGN	SO	Name	10019	To the Point
GRID D	SO	Delta N	-0.003	Delta E
		Delta Elv	0.021	0.062
TRGET	NM	Target ht	8.500	P.C. mm
		Prism Off	0.000	2.0
OBS	F1	CP480		-
		H.Angle	64°35'47.112"	510018
		V.Angle	87°26'32.581"	H.Std Err 0°00'03"
		EDM Dist	620.446	V.Std Err 0°00'03"
		Code	10018	S.Std Err 0.011
				Class Stake out
PT DGN	SO	Name	10018	To the Point
GRID D	SO	Delta N	0.023	Delta E
		Delta Elv	-0.039	0.020
INSTR	NM	EDM	VX & S Series	
		Serial no	10847	Firmware
		Mount	Not Applic	R11.0.76
		J Constant	273.9420092103	Edm o/s <null>
		H.col	0°00'00"	N Constant 105.675
				V.col 0°00'00.972"
PRECIS	NM	HA Prec	0°00'03"	EDM Prec
		VA Prec	0°00'03"	0.010
				EDM (ppm) 2
TRGET	NM	Target ht	7.000	P.C. mm
		Prism Off	0.000	2.0
OBS	F1	CP480		-
		H.Angle	69°26'55.151"	CP482
		V.Angle	86°13'16.869"	H.Std Err 0°00'02.439"
		EDM Dist	643.585	V.Std Err 0°00'00.949"
		Code	60D	S.Std Err 0.008
				Class Normal
OBS	F2	CP480		-
		H.Angle	249°27'01.048"	CP482
		V.Angle	273°46'53.141"	H.Std Err 0°00'01.508"
		EDM Dist	643.574	V.Std Err 0°00'00.949"
		Code	60D	S.Std Err 0.007
				Class Normal
MTA	MA	ID	CP482	Code
		H.Angle	69°26'58.099"	60D
		V.Angle	86°13'11.864"	H.Std Err <null>
		S.Dist	643.579	V.Std Err <null>
		Angles	2	S.Std Err <null>
		Distances	2	BS Pt ID 106
NOTE	TS	Time Date	10/19/2009	Time
			08:05:31	
INSTR	NM	EDM	VX & S Series	
		Serial no	10847	Firmware
		Mount	Not Applic	R11.0.76
		J Constant	273.9420092103	Edm o/s <null>
		H.col	0°00'00"	N Constant 105.675
				V.col 0°00'00.972"

PRECIS	NM	HA Prec	0°00'03"	EDM Prec	0.010
		VA Prec	0°00'03"	EDM (ppm)	2
ATMOS	NM	Press	27.70	Temp	80.0
		Refrac cnst	0.142	PPM	<null>
STN	NM	ID	CP482	Theo ht	5.339
		Scale	1.0000000000	Type	Fixed
BKB	NM	CP482		-	CP480
		Azmth	<null>		
		Face 1	0°00'00"	Face 2	<null>
TRGET	NM	Target ht	5.250	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	CP482		-	CP480
		H.Angle	0°00'00"	H.Std Err	0°00'01.342"
		V.Angle	93°39'04.032"	V.Std Err	0°00'01.652"
		EDM Dist	643.493	S.Std Err	0.005
		Code	60D	Class	Backsight
POLAR D	F1	Azmth	<null>	H.Dist	-0.003
				V.Dist	0.029
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP482		-	510007
		H.Angle	267°52'17.724"	H.Std Err	0°00'03"
		V.Angle	85°33'28.546"	V.Std Err	0°00'03"
		EDM Dist	17.690	S.Std Err	0.010
		Code	10007	Class	Stake out
PT DGN	SO	Name	10007	To the Point	
GRID D	SO	Delta N	0.011	Delta E	0.018
		Delta Elv	0.047		
OBS	F1	CP482		-	510005
		H.Angle	108°41'13.092"	H.Std Err	0°00'03"
		V.Angle	82°35'11.925"	V.Std Err	0°00'03"
		EDM Dist	10.395	S.Std Err	0.010
		Code	10005	Class	Stake out
PT DGN	SO	Name	10005	To the Point	
GRID D	SO	Delta N	-0.038	Delta E	-0.064
		Delta Elv	0.044		
OBS	F1	CP482		-	510029
		H.Angle	119°50'21.876"	H.Std Err	0°00'03"
		V.Angle	87°38'02.967"	V.Std Err	0°00'03"
		EDM Dist	28.728	S.Std Err	0.010
		Code	10029	Class	Stake out
PT DGN	SO	Name	10029	To the Point	
GRID D	SO	Delta N	-0.002	Delta E	-0.011
		Delta Elv	0.067		
OBS	F1	CP482		-	510004
		H.Angle	121°18'48.996"	H.Std Err	0°00'03"
		V.Angle	87°49'05.809"	V.Std Err	0°00'03"
		EDM Dist	38.677	S.Std Err	0.010
		Code	10004	Class	Stake out
PT DGN	SO	Name	10004	To the Point	
GRID D	SO	Delta N	0.000	Delta E	-0.058
		Delta Elv	0.068		
TRGET	NM	Target ht	11.400	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP482		-	10015FND
		H.Angle	112°44'14.064"	H.Std Err	0°00'03"
		V.Angle	97°23'48.514"	V.Std Err	0°00'03"
		EDM Dist	91.889	S.Std Err	0.010
		Code	10015	Class	Stake out
PT DGN	SO	Name	10015	To the Point	
GRID D	SO	Delta N	-0.110	Delta E	0.065
		Delta Elv	-0.013		
OBS	F1	CP482		-	510015
		H.Angle	112°43'21.252"	H.Std Err	0°00'03"
		V.Angle	97°23'37.191"	V.Std Err	0°00'03"
		EDM Dist	91.934	S.Std Err	0.010
		Code	10015	Class	Stake out
PT DGN	SO	Name	10015	To the Point	
GRID D	SO	Delta N	-0.066	Delta E	0.040
		Delta Elv	-0.012		
OBS	F1	CP482		-	510025
		H.Angle	102°04'41.448"	H.Std Err	0°00'03"
		V.Angle	97°36'16.968"	V.Std Err	0°00'03"
		EDM Dist	88.541	S.Std Err	0.010
		Code	10025	Class	Stake out

PT DGN	SO	Name	10025	To the Point
GRID D	SO	Delta N Delta Elv	-0.025 0.041	Delta E -0.027
TRGET	NM	Target ht Prism Off	7.000 0.000	P.C. mm 2.0
OBS	F1	CP482 H.Angle 92°11'15.468" V.Angle 100°56'57.451" EDM Dist 83.419 Code 10016		- 510016 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10016	To the Point
GRID D	SO	Delta N Delta Elv	0.022 0.071	Delta E 0.322
OBS	F1	CP482 H.Angle 75°14'33.396" V.Angle 102°30'23.197" EDM Dist 69.550 Code 10017		- 510017 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10017	To the Point
GRID D	SO	Delta N Delta Elv	-0.077 -0.014	Delta E 0.086
OBS	F1	CP482 H.Angle 321°20'57.876" V.Angle 82°34'33.481" EDM Dist 11.344 Code 10006		- 510006 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10006	To the Point
GRID D	SO	Delta N Delta Elv	-0.064 0.063	Delta E -0.040
OBS	F1	CP482 H.Angle 250°40'31.692" V.Angle 89°59'33.12" EDM Dist 151.639 Code 10010		- 510010 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10010	To the Point
GRID D	SO	Delta N Delta Elv	0.029 0.081	Delta E 0.025
OBS	F1	CP482 H.Angle 251°21'06.552" V.Angle 90°22'42.266" EDM Dist 189.243 Code 10011		- 510011 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10011	To the Point
GRID D	SO	Delta N Delta Elv	0.012 0.072	Delta E 0.075
TRGET	NM	Target ht Prism Off	11.600 0.000	P.C. mm 2.0
OBS	F1	CP482 H.Angle 243°00'34.02" V.Angle 88°43'32.603" EDM Dist 175.236 Code 10012		- 510012 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10012	To the Point
GRID D	SO	Delta N Delta Elv	0.003 0.006	Delta E -0.008
NOTE	TS	Time Date	10/19/2009 Time 08:36:25	
OBS	F1	CP482 H.Angle 228°46'59.34" V.Angle 88°31'16.621" EDM Dist 160.031 Code 10013		- 510013 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10013	To the Point
GRID D	SO	Delta N Delta Elv	-0.125 0.082	Delta E -0.011
TRGET	NM	Target ht Prism Off	7.000 0.000	P.C. mm 2.0
OBS	F1	CP482 H.Angle 214°43'16.608" V.Angle 90°04'11.306" EDM Dist 141.253 Code 10026		- 510026 H.Std Err 0°00'03" V.Std Err 0°00'03" S.Std Err 0.010 Class Stake out
PT DGN	SO	Name	10026	To the Point
GRID D	SO	Delta N Delta Elv	0.026 0.094	Delta E -0.024

OBS	F1	CP482		-	510000
		H.Angle	185°09'08.352"	H.Std Err	0°00'03"
		V.Angle	89°38'54.919"	V.Std Err	0°00'03"
		EDM Dist	181.344	S.Std Err	0.010
		Code	10000	Class	Stake out
PT DGN	SO	Name	10000	To the Point	
GRID D	SO	Delta N	-0.042	Delta E	0.022
		Delta Elv	0.082		
OBS	F1	CP482		-	510001
		H.Angle	181°34'02.784"	H.Std Err	0°00'03"
		V.Angle	89°29'50.671"	V.Std Err	0°00'03"
		EDM Dist	139.840	S.Std Err	0.010
		Code	10001	Class	Stake out
PT DGN	SO	Name	10001	To the Point	
GRID D	SO	Delta N	-0.015	Delta E	-0.093
		Delta Elv	0.091		
OBS	F1	CP482		-	510027
		H.Angle	206°46'45.876"	H.Std Err	0°00'03"
		V.Angle	89°46'40.628"	V.Std Err	0°00'03"
		EDM Dist	90.900	S.Std Err	0.010
		Code	10027	Class	Stake out
PT DGN	SO	Name	10027	To the Point	
GRID D	SO	Delta N	0.003	Delta E	0.050
		Delta Elv	0.042		
OBS	F1	CP482		-	510028
		H.Angle	175°37'10.272"	H.Std Err	0°00'03"
		V.Angle	88°45'53.006"	V.Std Err	0°00'03"
		EDM Dist	42.032	S.Std Err	0.010
		Code	10028	Class	Stake out
PT DGN	SO	Name	10028	To the Point	
GRID D	SO	Delta N	-0.096	Delta E	-0.021
		Delta Elv	0.016		
OBS	F1	CP482		-	510008
		H.Angle	250°27'33.768"	H.Std Err	0°00'03"
		V.Angle	88°34'21.688"	V.Std Err	0°00'03"
		EDM Dist	45.814	S.Std Err	0.010
		Code	10008	Class	Stake out
PT DGN	SO	Name	10008	To the Point	
GRID D	SO	Delta N	-0.044	Delta E	-0.161
		Delta Elv	0.088		
OBS	F1	CP482		-	510009
		H.Angle	250°03'39.42"	H.Std Err	0°00'03"
		V.Angle	89°33'27.891"	V.Std Err	0°00'03"
		EDM Dist	105.912	S.Std Err	0.010
		Code	10009	Class	Stake out
PT DGN	SO	Name	10009	To the Point	
GRID D	SO	Delta N	0.052	Delta E	0.003
		Delta Elv	0.055		
OBS	F1	CP482		-	510014
		H.Angle	204°42'56.556"	H.Std Err	0°00'03"
		V.Angle	89°57'16.772"	V.Std Err	0°00'03"
		EDM Dist	158.809	S.Std Err	0.010
		Code	10014	Class	Stake out
PT DGN	SO	Name	10014	To the Point	
GRID D	SO	Delta N	0.030	Delta E	-0.033
		Delta Elv	0.000		
OBS	F1	CP482		-	510002
		H.Angle	173°18'15.372"	H.Std Err	0°00'03"
		V.Angle	89°06'13.007"	V.Std Err	0°00'03"
		EDM Dist	92.622	S.Std Err	0.010
		Code	10002	Class	Stake out
PT DGN	SO	Name	10002	To the Point	
GRID D	SO	Delta N	0.034	Delta E	0.005
		Delta Elv	-0.003		
NOTE	TS	Time Date	10/19/2009 Time 09:13:30		
OBS	F1	CP482		-	510003
		H.Angle	158°30'01.584"	H.Std Err	0°00'03"
		V.Angle	88°32'47.375"	V.Std Err	0°00'03"
		EDM Dist	59.879	S.Std Err	0.010
		Code	10003	Class	Stake out
PT DGN	SO	Name	10003	To the Point	
GRID D	SO	Delta N	0.106	Delta E	0.051
		Delta Elv	0.025		
TRGET	NM	Target ht	5.250	P.C. mm	0.0
		Prism Off	0.000		

OBS	F1	CP482		-	CP480CHK2
		H.Angle	359°58'57.792"	H.Std Err	0°00'03"
		V.Angle	93°39'07.272"	V.Std Err	0°00'03"
		EDM Dist	643.488	S.Std Err	0.011
		Code	CP480	Class	Stake out
PT DGN	SO	Name	CP480	To the Point	
GRID D	SO	Delta N	-0.175	Delta E	0.084
		Delta Elv	0.038		