

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" 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 0.00000000

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>

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>

SIN 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.Dist 0.020
 V.Dist 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

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PT DGN SO Name          10023          To the Point
GRID D SO Delta N      -0.026          Delta E      -0.025
        Delta Elv      0.068
OBS     F1 CP480          -          510024
        H.Angle 73°34'30" H.Std Err 0°00'03"
        V.Angle 87°39'50.904" V.Std Err 0°00'03"
        EDM Dist 595.136 S.Std Err 0.011
        Code 10024 Class Stake out

PT DGN SO Name          10024          To the Point
GRID D SO Delta N      0.015          Delta E      -0.071
        Delta Elv      0.068
OBS     F1 CP480          -          510021
        H.Angle 68°28'03.972" H.Std Err 0°00'03"
        V.Angle 87°29'07.44" V.Std Err 0°00'03"
        EDM Dist 587.271 S.Std Err 0.011
        Code 10021 Class Stake out

PT DGN SO Name          10021          To the Point
GRID D SO Delta N      0.007          Delta E      0.006
        Delta Elv     -0.074
OBS     F1 CP480          -          510020
        H.Angle 67°19'54.444" H.Std Err 0°00'03"
        V.Angle 87°29'08.736" V.Std Err 0°00'03"
        EDM Dist 595.605 S.Std Err 0.011
        Code 10020 Class Stake out

PT DGN SO Name          10020          To the Point
GRID D SO Delta N     -0.119          Delta E     -0.056
        Delta Elv     -0.004
OBS     F1 CP480          -          510019
        H.Angle 65°58'56.712" H.Std Err 0°00'03"
        V.Angle 87°29'33.684" V.Std Err 0°00'03"
        EDM Dist 609.664 S.Std Err 0.011
        Code 10019 Class Stake out

PT DGN SO Name          10019          To the Point
GRID D SO Delta N     -0.003          Delta E      0.062
        Delta Elv      0.021
TRGET  NM Target ht 8.500          P.C. mm     2.0
        Prism Off 0.000
OBS     F1 CP480          -          510018
        H.Angle 64°35'47.112" H.Std Err 0°00'03"
        V.Angle 87°26'32.581" V.Std Err 0°00'03"
        EDM Dist 620.446 S.Std Err 0.011
        Code 10018 Class Stake out

PT DGN SO Name          10018          To the Point
GRID D SO Delta N      0.023          Delta E      0.020
        Delta Elv     -0.039
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

TRGET  NM Target ht 7.000          P.C. mm     2.0
        Prism Off 0.000
OBS     F1 CP480          -          CP482
        H.Angle 69°26'55.151" H.Std Err 0°00'02.439"
        V.Angle 86°13'16.869" V.Std Err 0°00'00.949"
        EDM Dist 643.585 S.Std Err 0.008
        Code 60D Class Normal

OBS     F2 CP480          -          CP482
        H.Angle 249°27'01.048" H.Std Err 0°00'01.508"
        V.Angle 273°46'53.141" V.Std Err 0°00'00.949"
        EDM Dist 643.574 S.Std Err 0.007
        Code 60D Class Normal

MTA    MA ID CP482          Code 60D
        H.Angle 69°26'58.099" H.Std Err <null>
        V.Angle 86°13'11.864" V.Std Err <null>
        S.Dist 643.579 S.Std Err <null>
        Angles 2 BS Pt ID 106
        Distances 2

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NOTE TS Time Date 10/19/2009 Time 08:05:31

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

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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 2	<null>
		Face 1	0°00'00"		
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

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

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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	