

SC V10-70 Copyright © Trimble Navigation Ltd, 1996-2003
 Serial no 2231 16-Sep-09 16:06
 Angle Degrees Dist US Feet Press inch Hg
 Temp Fahrenheit Coord N-E-Elv H.obs Right

JOB Job ID 091609SD_ASB
 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>

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

NOTE TS Time Date 08/11/2009 Time 10:36:07

F FILE FC File Used No
 ID 00000 Name

NOTE TS Time Date 09/16/2009 Time 07:47:58

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 28.13 Temp 90.0
 Refrac cnst 0.142 PPM <null>

STN NM ID CP429 Theo ht 4.860
 Scale 1.0000000000 Type Fixed

BKB NM CP429 - CP430
 Azmth <null>
 Face 1 0°00'00" Face 2 <null>

TRGET NM Target ht 7.000 P.C. mm 2.0
 Prism Off 0.000

OBS F1 CP429 - CP430
 H.Angle 0°00'00" H.Std Err 0°00'02.838"
 V.Angle 89°58'07.066" V.Std Err 0°00'01.342"
 EDM Dist 602.344 S.Std Err 0.005
 Code 60D Class Backsight

POLAR D F1 Azmth <null> H.Distance 0.020
 V.Distance 0.034

OBS F1 CP429 - 300000
 H.Angle 0°00'04.212" H.Std Err 0°00'03"
 V.Angle 89°58'00.457" V.Std Err 0°00'03"
 EDM Dist 602.337 S.Std Err 0.011
 Code CP430 Class Stake out

PT DGN SO Name CP430 To the Point

GRID D	SO	Delta N	0.030	Delta E	0.002
		Delta Elv	0.014		
OBS	F1	CP429		-	300001
		H.Angle	350°20'08.362"	H.Std Err	0°00'03.762"
		V.Angle	91°51'53.411"	V.Std Err	0°00'01.342"
		EDM Dist	382.713	S.Std Err	0.005
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300002
		H.Angle	350°06'02.333"	H.Std Err	0°00'04.636"
		V.Angle	91°43'28.383"	V.Std Err	0°00'01.342"
		EDM Dist	382.724	S.Std Err	0.012
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300003
		H.Angle	347°32'52.85"	H.Std Err	0°00'02.354"
		V.Angle	90°58'19.307"	V.Std Err	0°00'01.342"
		EDM Dist	383.690	S.Std Err	0.009
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300004
		H.Angle	347°28'09.48"	H.Std Err	0°00'03.854"
		V.Angle	90°57'47.237"	V.Std Err	0°00'01.342"
		EDM Dist	384.013	S.Std Err	0.011
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300005
		H.Angle	348°51'53.748"	H.Std Err	0°00'03.082"
		V.Angle	90°54'29.724"	V.Std Err	0°00'01.342"
		EDM Dist	403.696	S.Std Err	0.008
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300006
		H.Angle	348°56'44.57"	H.Std Err	0°00'02.107"
		V.Angle	90°54'40.543"	V.Std Err	0°00'01.342"
		EDM Dist	403.402	S.Std Err	0.005
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300007
		H.Angle	350°40'26.861"	H.Std Err	0°00'03.331"
		V.Angle	91°42'01.848"	V.Std Err	0°00'01.342"
		EDM Dist	391.292	S.Std Err	0.010
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300008
		H.Angle	350°48'55.217"	H.Std Err	0°00'04.183"
		V.Angle	91°49'31.028"	V.Std Err	0°00'01.342"
		EDM Dist	390.424	S.Std Err	0.013
		Code	EDGE OUT	Class	Normal
OBS	F1	CP429		-	300009
		H.Angle	350°46'12.893"	H.Std Err	0°00'03.589"
		V.Angle	91°49'54.221"	V.Std Err	0°00'01.342"
		EDM Dist	389.849	S.Std Err	0.005
		Code	EDGE IN	Class	Normal
OBS	F1	CP429		-	300010
		H.Angle	350°39'46.296"	H.Std Err	0°00'05.714"
		V.Angle	91°43'43.501"	V.Std Err	0°00'01.342"
		EDM Dist	390.792	S.Std Err	0.018
		Code	EDGE IN	Class	Normal
OBS	F1	CP429		-	300011
		H.Angle	348°54'15.142"	H.Std Err	0°00'01.513"
		V.Angle	90°54'34.776"	V.Std Err	0°00'01.342"
		EDM Dist	402.957	S.Std Err	0.011
		Code	EDGE IN	Class	Normal
OBS	F1	CP429		-	300012
		H.Angle	347°33'48.254"	H.Std Err	0°00'02.793"
		V.Angle	90°58'01.75"	V.Std Err	0°00'01.342"
		EDM Dist	384.121	S.Std Err	0.007
		Code	EDGE IN	Class	Normal
NOTE	TS	Time Date	09/16/2009 Time 08:18:22		
OBS	F1	CP429		-	300013
		H.Angle	350°05'52.354"	H.Std Err	0°00'05.09"
		V.Angle	91°43'31.753"	V.Std Err	0°00'01.342"
		EDM Dist	383.264	S.Std Err	0.016
		Code	EDGE IN	Class	Normal
OBS	F1	CP429		-	300014
		H.Angle	350°21'27.547"	H.Std Err	0°00'02.666"
		V.Angle	91°51'28.405"	V.Std Err	0°00'01.342"
		EDM Dist	383.385	S.Std Err	0.007
		Code	EDGE IN	Class	Normal
OBS	F1	CP429		-	300015
		H.Angle	350°22'00.854"	H.Std Err	0°00'01.342"
		V.Angle	91°51'35.337"	V.Std Err	0°00'01.342"
		EDM Dist	383.428	S.Std Err	0.005
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300016
		H.Angle	348°03'33.43"	H.Std Err	0°00'01.342"
		V.Angle	91°54'44.801"	V.Std Err	0°00'01.342"
		EDM Dist	390.336	S.Std Err	0.005
		Code	EDGE FLOOR	Class	Normal

OBS	F1	CP429		-	300017
		H.Angle	348°31'36.221"	H.Std Err	0°00'01.342"
		V.Angle	91°53'19.947"	V.Std Err	0°00'01.342"
		EDM Dist	396.991	S.Std Err	0.005
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300018
		H.Angle	350°46'20.798"	H.Std Err	0°00'01.342"
		V.Angle	91°49'48.131"	V.Std Err	0°00'01.342"
		EDM Dist	389.809	S.Std Err	0.009
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300019
		H.Angle	350°35'42.13"	H.Std Err	0°00'04.863"
		V.Angle	91°50'46.432"	V.Std Err	0°00'01.342"
		EDM Dist	386.888	S.Std Err	0.006
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300020
		H.Angle	349°12'59.681"	H.Std Err	0°00'05.874"
		V.Angle	91°53'02.035"	V.Std Err	0°00'01.342"
		EDM Dist	386.814	S.Std Err	0.009
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300021
		H.Angle	349°37'46.063"	H.Std Err	0°00'03.746"
		V.Angle	91°51'37.245"	V.Std Err	0°00'01.342"
		EDM Dist	393.141	S.Std Err	0.005
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300022
		H.Angle	348°16'21.893"	H.Std Err	0°00'04.709"
		V.Angle	91°54'30.039"	V.Std Err	0°00'01.342"
		EDM Dist	393.563	S.Std Err	0.012
		Code	EDGE FLOOR	Class	Normal
OBS	F1	CP429		-	300023
		H.Angle	348°17'12.761"	H.Std Err	0°00'01.342"
		V.Angle	91°49'50.733"	V.Std Err	0°00'01.342"
		EDM Dist	393.724	S.Std Err	0.005
		Code	FL 60IN PIPE	Class	Normal
TRGET	NM	Target ht	11.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP429		-	300024
		H.Angle	340°56'19.392"	H.Std Err	0°00'03"
		V.Angle	90°17'41.248"	V.Std Err	0°00'03"
		EDM Dist	399.278	S.Std Err	0.011
		Code	CP432	Class	Stake out
PT DGN	SO	Name	CP432	To the Point	
GRID D	SO	Delta N	-0.038	Delta E	0.057
		Delta Elv	0.019		
NOTE	TS	Time Date	09/16/2009 Time 08:49:28		
OBS	F1	CP429		-	300025
		H.Angle	340°41'15.108"	H.Std Err	0°00'07.212"
		V.Angle	90°17'15.525"	V.Std Err	0°00'01.342"
		EDM Dist	395.618	S.Std Err	0.010
		Code	CONC COR	Class	Normal
OBS	F1	CP429		-	300026
		H.Angle	340°52'35.119"	H.Std Err	0°00'04.486"
		V.Angle	90°18'08.655"	V.Std Err	0°00'01.342"
		EDM Dist	402.690	S.Std Err	0.010
		Code	CONC COR	Class	Normal
OBS	F1	CP429		-	300027
		H.Angle	341°58'54.617"	H.Std Err	0°00'04.703"
		V.Angle	90°18'24.074"	V.Std Err	0°00'01.342"
		EDM Dist	401.605	S.Std Err	0.012
		Code	CONC COR	Class	Normal
OBS	F1	CP429		-	300028
		H.Angle	341°48'45.043"	H.Std Err	0°00'05.811"
		V.Angle	90°17'45.781"	V.Std Err	0°00'01.342"
		EDM Dist	394.288	S.Std Err	0.007
		Code	CONC COR	Class	Normal
OBS	F1	CP429		-	300029
		H.Angle	341°20'01.169"	H.Std Err	0°00'05.734"
		V.Angle	90°18'11.245"	V.Std Err	0°00'01.342"
		EDM Dist	399.631	S.Std Err	0.013
		Code	RIM N	Class	Normal
OBS	F1	CP429		-	300030
		H.Angle	341°16'35.04"	H.Std Err	0°00'01.714"
		V.Angle	90°17'49.799"	V.Std Err	0°00'01.342"
		EDM Dist	397.558	S.Std Err	0.024
		Code	RIM S	Class	Normal
OBS	F1	CP429		-	300031
		H.Angle	341°08'09.924"	H.Std Err	0°00'04.553"
		V.Angle	90°17'53.363"	V.Std Err	0°00'01.342"
		EDM Dist	398.753	S.Std Err	0.007
		Code	RIM W	Class	Normal

OBS	F1	CP429		-	300032
		H.Angle	341°26'14.417"	H.Std Err	0°00'06.693"
		V.Angle	90°18'02.757"	V.Std Err	0°00'01.342"
		EDM Dist	398.447	S.Std Err	0.010
		Code	RIM E	Class	Normal
OBS	F1	CP429		-	300033
		H.Angle	341°17'39.322"	H.Std Err	0°00'04.234"
		V.Angle	90°17'54.464"	V.Std Err	0°00'01.342"
		EDM Dist	398.632	S.Std Err	0.005
		Code	RIM CTR	Class	Normal
NOTE	TS	Time Date	09/16/2009 Time 09:52:12		
TRGET	NM	Target ht	0.100	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP429		-	300034
		H.Angle	138°00'37.217"	H.Std Err	0°00'01.342"
		V.Angle	91°00'29.267"	V.Std Err	0°00'01.342"
		EDM Dist	344.528	S.Std Err	0.005
		Code	TOP COR HW	Class	Normal
OBS	F1	CP429		-	300035
		H.Angle	137°59'53.801"	H.Std Err	0°00'01.342"
		V.Angle	91°00'13.33"	V.Std Err	0°00'01.342"
		EDM Dist	345.055	S.Std Err	0.005
		Code	TOP COR HW	Class	Normal
OBS	F1	CP429		-	300036
		H.Angle	140°32'08.398"	H.Std Err	0°00'01.342"
		V.Angle	90°59'49.297"	V.Std Err	0°00'01.342"
		EDM Dist	346.322	S.Std Err	0.005
		Code	TOP COR HW	Class	Normal
OBS	F1	CP429		-	300037
		H.Angle	140°31'16.363"	H.Std Err	0°00'01.342"
		V.Angle	90°59'26.687"	V.Std Err	0°00'01.342"
		EDM Dist	346.896	S.Std Err	0.005
		Code	TOP COR HW	Class	Normal
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP429		-	300038
		H.Angle	138°01'42.6"	H.Std Err	0°00'05.035"
		V.Angle	90°50'34.322"	V.Std Err	0°00'01.342"
		EDM Dist	343.803	S.Std Err	0.008
		Code	COR LEDGE	Class	Normal
OBS	F1	CP429		-	300039
		H.Angle	140°32'01.334"	H.Std Err	0°00'01.342"
		V.Angle	90°49'30.769"	V.Std Err	0°00'01.342"
		EDM Dist	345.865	S.Std Err	0.012
		Code	COR LEDGE	Class	Normal
OBS	F1	CP429		-	300040
		H.Angle	139°17'09.982"	H.Std Err	0°00'02.557"
		V.Angle	90°49'54.349"	V.Std Err	0°00'01.342"
		EDM Dist	344.570	S.Std Err	0.005
		Code	EDGE LEDGE	Class	Normal
TRGET	NM	Target ht	0.100	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP429		-	300041
		H.Angle	139°17'12.638"	H.Std Err	0°00'01.342"
		V.Angle	91°46'19.112"	V.Std Err	0°00'01.342"
		EDM Dist	345.492	S.Std Err	0.005
		Code	FL PIPE REPAIR	Class	Normal
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP429		-	300042
		H.Angle	126°02'41.028"	H.Std Err	0°00'03"
		V.Angle	88°07'18.768"	V.Std Err	0°00'03"
		EDM Dist	461.737	S.Std Err	0.011
		Code	CP426	Class	Stake out
PT DGN	SO	Name	CP426	To the Point	
GRID D	SO	Delta N	0.011	Delta E	0.043
		Delta Elv	0.034		
NOTE	TS	Time Date	09/16/2009 Time 10:41:34		
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	28.13	Temp	90.0
		Refrac cnst	0.142	PPM	<null>
STN	NM	ID	CP426	Theo ht	5.290
		Scale	1.0000000000	Type	Fixed

BKB	NM	CP426		-	CP429
		Azmth	<null>		
		Face 1	0°00'00"	Face 2	<null>
TRGET	NM	Target ht	4.690	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	CP426		-	CP429
		H.Angle	0°00'00"	H.Std Err	0°00'01.342"
		V.Angle	91°41'28.219"	V.Std Err	0°00'01.342"
		EDM Dist	461.678	S.Std Err	0.005
		Code	X MON WELL	Class	Backsight
POLAR D	F1	Azmth	<null>	H.Dist	0.028
				V.Dist	-0.011
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP426		-	300043
		H.Angle	283°25'56.158"	H.Std Err	0°00'11.981"
		V.Angle	93°35'45.072"	V.Std Err	0°00'01.342"
		EDM Dist	91.234	S.Std Err	0.004
		Code	SDMH1 RIM EAST	Class	Normal
OBS	F1	CP426		-	300044
		H.Angle	284°00'52.114"	H.Std Err	0°00'25.069"
		V.Angle	93°32'47.891"	V.Std Err	0°00'01.342"
		EDM Dist	92.355	S.Std Err	0.007
		Code	SDMH1 RIM NORTH	Class	Normal
OBS	F1	CP426		-	300045
		H.Angle	283°23'46.817"	H.Std Err	0°00'11.133"
		V.Angle	93°30'02.99"	V.Std Err	0°00'01.342"
		EDM Dist	93.288	S.Std Err	0.007
		Code	SDMH1 RIM WEST	Class	Normal
OBS	F1	CP426		-	300046
		H.Angle	282°44'52.332"	H.Std Err	0°00'15.765"
		V.Angle	93°31'58.954"	V.Std Err	0°00'03.161"
		EDM Dist	92.516	S.Std Err	0.017
		Code	SDMH1 RIM SOUTH	Class	Normal
OBS	F1	CP426		-	300047
		H.Angle	283°21'51.602"	H.Std Err	0°00'31.212"
		V.Angle	93°34'10.248"	V.Std Err	0°00'01.342"
		EDM Dist	92.257	S.Std Err	0.004
		Code	SDMH1 CTR	Class	Normal
NOTE	TS	Time Date	09/16/2009 Time 11:12:27		
OBS	F1	CP426		-	300048
		H.Angle	236°01'22.807"	H.Std Err	0°00'25.794"
		V.Angle	93°55'20.669"	V.Std Err	0°00'01.348"
		EDM Dist	75.566	S.Std Err	0.004
		Code	SDMH2 RIM NORTH	Class	Normal
OBS	F1	CP426		-	300049
		H.Angle	235°20'50.215"	H.Std Err	0°00'15.522"
		V.Angle	93°47'43.028"	V.Std Err	0°00'03.772"
		EDM Dist	77.425	S.Std Err	0.016
		Code	SDMH2 RIM SOUTH	Class	Normal
OBS	F1	CP426		-	300050
		H.Angle	236°21'27.828"	H.Std Err	0°00'27.543"
		V.Angle	93°49'44.879"	V.Std Err	0°00'02.005"
		EDM Dist	77.014	S.Std Err	0.014
		Code	SDMH2 RIM WEST	Class	Normal
OBS	F1	CP426		-	300051
		H.Angle	234°53'28.896"	H.Std Err	0°00'32.37"
		V.Angle	93°52'12.897"	V.Std Err	0°00'02.606"
		EDM Dist	76.272	S.Std Err	0.015
		Code	SDMH2 RIM EAST	Class	Normal
OBS	F1	CP426		-	300052
		H.Angle	235°40'33.982"	H.Std Err	0°00'26.648"
		V.Angle	93°52'31.323"	V.Std Err	0°00'01.467"
		EDM Dist	76.516	S.Std Err	0.012
		Code	SDMH2 RIM CTR	Class	Normal
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"		
PRECIS	NM	HA Prec	0°00'03"	EDM Prec	0.010
		VA Prec	0°00'03"	EDM (ppm)	2
TRGET	NM	Target ht	0.000	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	CP426		-	CP470
		H.Angle	110°54'51.476"	H.Std Err	0°00'01.764"
		V.Angle	89°35'04.999"	V.Std Err	0°00'01.191"
		EDM Dist	707.198	S.Std Err	0.004
		Code	60D	Class	Del normal
NOTE	NM	Deleted	11:40:20 AM 9/16/2009		

OBS	F2	CP426		-	CP470
		H.Angle	290°54'58.475"	H.Std Err	0°00'01.002"
		V.Angle	270°25'08.803"	V.Std Err	0°00'01.636"
		EDM Dist	707.199	S.Std Err	0.004
		Code	60D	Class	Del normal
NOTE	NM	Deleted 11:40:25 AM 9/16/2009			
MTA	MA	ID	CP470	Code	60D
		H.Angle	110°54'54.976"	H.Std Err	<null>
		V.Angle	89°34'58.098"	V.Std Err	<null>
		S.Dist	707.198	S.Std Err	<null>
		Angles	2	BS Pt ID	CP429
		Distances	2		
TRGET	NM	Target ht	5.180	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP426		-	CP471
		H.Angle	110°54'49.5"	H.Std Err	0°00'00.949"
		V.Angle	89°35'07.569"	V.Std Err	0°00'00.949"
		EDM Dist	707.221	S.Std Err	0.004
		Code	60D	Class	Normal
NOTE	TS	Time Date 09/16/2009 Time 11:43:00			
OBS	F2	CP426		-	CP471
		H.Angle	290°54'56.012"	H.Std Err	0°00'00.949"
		V.Angle	270°25'09.374"	V.Std Err	0°00'01.173"
		EDM Dist	707.215	S.Std Err	0.004
		Code	60D	Class	Normal
MTA	MA	ID	CP471	Code	60D
		H.Angle	110°54'52.756"	H.Std Err	<null>
		V.Angle	89°34'59.098"	V.Std Err	<null>
		S.Dist	707.218	S.Std Err	<null>
		Angles	2	BS Pt ID	CP429
		Distances	2		
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"		
PRECIS	NM	HA Prec	0°00'03"	EDM Prec	0.010
		VA Prec	0°00'03"	EDM (ppm)	2
ATMOS	NM	Press	28.10	Temp	90.0
		Refrac cnst	0.142	PPM	<null>
STN	NM	ID	CP471	Theo ht	5.045
		Scale	1.0000000000	Type	Fixed
BKB	NM	CP471		-	CP426
		Azmth	<null>	Face 2	<null>
		Face 1	0°00'00"		
TRGET	NM	Target ht	5.050	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	CP471		-	CP426
		H.Angle	0°00'00"	H.Std Err	0°00'01.342"
		V.Angle	90°25'33.816"	V.Std Err	0°00'01.342"
		EDM Dist	707.223	S.Std Err	0.005
		Code	60D	Class	Backsight
POLAR D	F1	Azmth	<null>	H.Dist	0.002
				V.Dist	-0.013
NOTE	TS	Time Date 09/16/2009 Time 12:33:37			
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP471		-	300053
		H.Angle	346°01'59.412"	H.Std Err	0°00'03"
		V.Angle	91°17'16.599"	V.Std Err	0°00'03"
		EDM Dist	378.854	S.Std Err	0.011
		Code	SSMH3 RIM NORTH	Class	Normal
OBS	F1	CP471		-	300054
		H.Angle	345°44'00.168"	H.Std Err	0°00'03"
		V.Angle	91°17'11.093"	V.Std Err	0°00'03"
		EDM Dist	379.282	S.Std Err	0.011
		Code	SSMH3 RIM SOUTH	Class	Normal
OBS	F1	CP471		-	300055
		H.Angle	345°54'35.662"	H.Std Err	0°00'03.237"
		V.Angle	91°16'48.872"	V.Std Err	0°00'01.53"
		EDM Dist	380.105	S.Std Err	0.006
		Code	SSMH3 RIM WEST	Class	Normal
OBS	F1	CP471		-	300056
		H.Angle	345°50'17.11"	H.Std Err	0°00'01.342"
		V.Angle	91°17'29.167"	V.Std Err	0°00'01.342"
		EDM Dist	378.053	S.Std Err	0.005
		Code	SSMH3 RIM EAST	Class	Normal

OBS	F1	CP471		-	300057
		H.Angle	300°37'37.2"	H.Std Err	0°00'10.833"
		V.Angle	92°36'11.985"	V.Std Err	0°00'01.342"
		EDM Dist	148.640	S.Std Err	0.010
		Code	SDMH4 RIM SOUTH	Class	Normal
OBS	F1	CP471		-	300058
		H.Angle	300°48'36.929"	H.Std Err	0°00'01.342"
		V.Angle	92°39'03.117"	V.Std Err	0°00'01.342"
		EDM Dist	146.669	S.Std Err	0.005
		Code	SDMH4 RIM NORTH	Class	Normal
OBS	F1	CP471		-	300059
		H.Angle	300°21'53.647"	H.Std Err	0°00'01.342"
		V.Angle	92°37'49.363"	V.Std Err	0°00'01.342"
		EDM Dist	147.343	S.Std Err	0.005
		Code	SDMH4 RIM EAST	Class	Normal
OBS	F1	CP471		-	300060
		H.Angle	301°08'45.643"	H.Std Err	0°00'05.476"
		V.Angle	92°37'21.982"	V.Std Err	0°00'01.342"
		EDM Dist	147.927	S.Std Err	0.006
		Code	SDMH4 RIM WEST	Class	Normal
OBS	F1	CP471		-	300061
		H.Angle	300°44'36.132"	H.Std Err	0°00'01.342"
		V.Angle	92°38'33.093"	V.Std Err	0°00'01.342"
		EDM Dist	147.678	S.Std Err	0.005
		Code	SDMH4 CTR	Class	Normal
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"		
PRECIS	NM	HA Prec	0°00'03"	EDM Prec	0.010
		VA Prec	0°00'03"	EDM (ppm)	2
TRGET	NM	Target ht	8.500	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP471		-	CP472
		H.Angle	196°37'16.19"	H.Std Err	0°00'00.968"
		V.Angle	90°29'46.756"	V.Std Err	0°00'01.133"
		EDM Dist	590.104	S.Std Err	0.003
		Code	60D	Class	Normal
OBS	F2	CP471		-	CP472
		H.Angle	16°37'23.318"	H.Std Err	0°00'01.027"
		V.Angle	269°30'21.797"	V.Std Err	0°00'02.567"
		EDM Dist	590.088	S.Std Err	0.003
		Code	60D	Class	Normal
MTA	MA	ID	CP472	Code	60D
		H.Angle	196°37'19.754"	H.Std Err	<null>
		V.Angle	90°29'42.48"	V.Std Err	<null>
		S.Dist	590.096	S.Std Err	<null>
		Angles	2	BS Pt ID	CP426
		Distances	2		
NOTE	TS	Time Date	09/16/2009 Time 13:28:35		
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"		
PRECIS	NM	HA Prec	0°00'03"	EDM Prec	0.010
		VA Prec	0°00'03"	EDM (ppm)	2
ATMOS	NM	Press	28.08	Temp	90.0
		Refrac cnst	0.142	PPM	<null>
STN	NM	ID	CP472	Theo ht	4.880
		Scale	1.0000000000	Type	Fixed
BKB	NM	CP472		-	CP471
		Azmth	<null>	Face 2	<null>
		Face 1	0°00'00"		
TRGET	NM	Target ht	8.860	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	CP472		-	CP471
		H.Angle	0°00'00"	H.Std Err	0°00'01.342"
		V.Angle	88°47'16.174"	V.Std Err	0°00'01.564"
		EDM Dist	590.211	S.Std Err	0.005
		Code	60D	Class	Backsight
POLAR D	F1	Azmth	<null>	H.Dist	0.002
				V.Dist	0.034
TRGET	NM	Target ht	7.000	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP472		-	300062
		H.Angle	329°21'24.415"	H.Std Err	0°00'02.273"
		V.Angle	89°18'02.692"	V.Std Err	0°00'01.342"
		EDM Dist	267.153	S.Std Err	0.010
		Code	SDMH5 RIM SOUTH	Class	Normal

OBS	F1	CP472		-	300063
		H.Angle	329°40'05.65"	H.Std Err	0°00'01.342"
		V.Angle	89°18'04.051"	V.Std Err	0°00'01.674"
		EDM Dist	267.668	S.Std Err	0.005
		Code	SDMH5 RIM WEST	Class	Normal
OBS	F1	CP472		-	300064
		H.Angle	329°26'10.961"	H.Std Err	0°00'01.342"
		V.Angle	89°18'06.129"	V.Std Err	0°00'01.342"
		EDM Dist	265.840	S.Std Err	0.005
		Code	SDMH5 RIM EAST	Class	Normal
OBS	F1	CP472		-	300065
		H.Angle	329°46'29.978"	H.Std Err	0°00'03.67"
		V.Angle	89°18'03.212"	V.Std Err	0°00'01.344"
		EDM Dist	266.512	S.Std Err	0.005
		Code	SDMH5 RIM NORTH	Class	Normal
OBS	F1	CP472		-	300066
		H.Angle	329°33'34.193"	H.Std Err	0°00'06.542"
		V.Angle	89°18'34.308"	V.Std Err	0°00'02.117"
		EDM Dist	266.710	S.Std Err	0.008
		Code	SDMH5 RIM CTR	Class	Normal
OBS	F1	CP472		-	300067
		H.Angle	345°12'41.875"	H.Std Err	0°00'01.342"
		V.Angle	88°10'14.71"	V.Std Err	0°00'01.342"
		EDM Dist	75.724	S.Std Err	0.004
		Code	SDMH6 RIM SOUTH	Class	Normal
OBS	F1	CP472		-	300068
		H.Angle	345°55'42.406"	H.Std Err	0°00'02.309"
		V.Angle	88°10'41.047"	V.Std Err	0°00'01.342"
		EDM Dist	76.770	S.Std Err	0.004
		Code	SDMH6 RIM WEST	Class	Normal
OBS	F1	CP472		-	300069
		H.Angle	346°05'25.735"	H.Std Err	0°00'01.342"
		V.Angle	88°07'29.761"	V.Std Err	0°00'01.342"
		EDM Dist	74.700	S.Std Err	0.004
		Code	SDMH6 RIM EAST	Class	Normal
OBS	F1	CP472		-	300070
		H.Angle	346°45'55.541"	H.Std Err	0°00'18.258"
		V.Angle	88°08'44.257"	V.Std Err	0°00'01.438"
		EDM Dist	75.819	S.Std Err	0.008
		Code	SDMH6 RIM NORTH	Class	Normal
OBS	F1	CP472		-	300071
		H.Angle	346°01'24.031"	H.Std Err	0°00'23.442"
		V.Angle	88°11'30.523"	V.Std Err	0°00'01.979"
		EDM Dist	75.746	S.Std Err	0.016
		Code	SDMH6 RIM CTR	Class	Normal
NOTE	TS	Time Date	09/16/2009 Time 14:03:06		
TRGET	NM	Target ht	8.500	P.C. mm	2.0
		Prism Off	0.000		
OBS	F1	CP472		-	300072
		H.Angle	161°03'04.068"	H.Std Err	0°00'03"
		V.Angle	89°56'10.958"	V.Std Err	0°00'03"
		EDM Dist	589.835	S.Std Err	0.011
		Code	CP428	Class	Stake out
PT DGN	SO	Name	CP428	To the Point	
GRID D	SO	Delta N	-0.126	Delta E	-0.052
		Delta Elv	0.009		
OBS	F1	CP472		-	300073
		H.Angle	163°04'14.239"	H.Std Err	0°00'01.344"
		V.Angle	90°15'13.381"	V.Std Err	0°00'01.342"
		EDM Dist	358.109	S.Std Err	0.005
		Code	SDHW2 FL	Class	Normal
OBS	F1	CP472		-	300074
		H.Angle	164°15'55.469"	H.Std Err	0°00'12.406"
		V.Angle	89°35'58.985"	V.Std Err	0°00'01.342"
		EDM Dist	358.963	S.Std Err	0.011
		Code	CONC COR	Class	Normal
OBS	F1	CP472		-	300075
		H.Angle	164°17'32.798"	H.Std Err	0°00'13.479"
		V.Angle	89°35'46.74"	V.Std Err	0°00'01.342"
		EDM Dist	358.469	S.Std Err	0.008
		Code	CONC COR	Class	Normal
OBS	F1	CP472		-	300076
		H.Angle	161°52'42.276"	H.Std Err	0°00'07.11"
		V.Angle	89°35'43.049"	V.Std Err	0°00'01.342"
		EDM Dist	356.351	S.Std Err	0.005
		Code	CONC COR	Class	Normal
OBS	F1	CP472		-	300077
		H.Angle	161°52'13.44"	H.Std Err	0°00'03.421"
		V.Angle	89°35'58.015"	V.Std Err	0°00'01.495"
		EDM Dist	356.814	S.Std Err	0.016
		Code	CONC COR	Class	Normal

OBS	F1	CP472	-	300078
		H.Angle	166°20'17.318"	H.Std Err 0°00'06.682"
		V.Angle	89°21'33.95"	V.Std Err 0°00'01.342"
		EDM Dist	268.284	S.Std Err 0.006
		Code	SDMH7 RIM SOUTH	Class Normal
OBS	F1	CP472	-	300079
		H.Angle	165°53'04.164"	H.Std Err 0°00'04.536"
		V.Angle	89°22'28.11"	V.Std Err 0°00'01.342"
		EDM Dist	268.244	S.Std Err 0.005
		Code	SDMH7 RIM NORTH	Class Normal
OBS	F1	CP472	-	300080
		H.Angle	166°05'27.679"	H.Std Err 0°00'05.006"
		V.Angle	89°21'38.358"	V.Std Err 0°00'01.342"
		EDM Dist	267.154	S.Std Err 0.009
		Code	SDMH7 RIM WEST	Class Normal
OBS	F1	CP472	-	300081
		H.Angle	166°06'22.5"	H.Std Err 0°00'01.467"
		V.Angle	89°22'25.646"	V.Std Err 0°00'01.342"
		EDM Dist	269.244	S.Std Err 0.006
		Code	SDMH7 RIM EAST	Class Normal