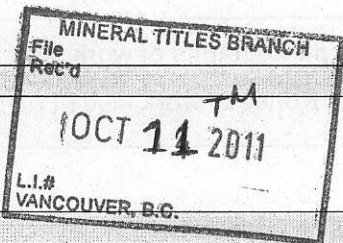


REPORT OF PHYSICAL EXPLORATION AND DEVELOPMENT
Section 15 - Mineral Tenure Act Regulation

1. Event number(s): 5004547		2. Tenure number(s): SEE ATTACHED		3. Type of Claim: ☒ Mineral ☐ Placer	
4. Recorded holder					
Name: KENNETH BURKE			Address: BOX 2 B C 9		
Phone: 250 295 4167			Email: GSE@NETHOP.NET		
5. Operator			Address:		
Name: AS ABOVE			Phone: VOX 160		
6 Report Author			Address:		
Name: AS ABOVE			Phone: VOX 160		
7. Qualifications/experience of workers:					
40 YEARS - SURVEYING, MINING, PROSPECTING					

NEW WORK (as required under Section 15 of the MTA Regulation; see Information Updates 8 and 25 for further details)

8. Actual dates work was done: JUNE 16/11 TO SEPT 9/11		9. Tenure number(s) of claim(s) on which this work was done: 640008, 589009	
Detailed written description of the work activity: state what was done and how it was done, and the results. Mention equipment, machinery, labourers, as applicable. The cost statement (#18 on page 2) must correspond to what is stated here (if more space is required, use the supplementary section on page 3 or attach additional sheets) ** Attach a 1:10,000 scale map accurately showing the locations of the work sites. **			
What work was done?		TOPOGRAPHIC SURVEY	
How was the work done?		TOPCON 212 INSTRUMENT WITH FIELD GENIUS DATA COLLECTOR AND MICROSURVEY SOFTWARE	
What were the results?		TOPOGRAPHIC MAPPING	
11. Dimensions of work done: (Is the work site marked?)		12. Amount of material excavated and tested or processed: (metric units)	

**BC Geological Survey
Assessment Report
32488**

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

REPORT OF PHYSICAL EXPLORATION AND DEVELOPMENT
Section 15 - Mineral Tenure Act Regulation

NEW WORK (continued)

13. Geographic location of work sites; GPS coordinates; how would someone get to where the work was done; from the nearest town:

17 KILOMETERS WEST OF COALMONT
BC ON THE BLAKEBURN ROAD

16. Are photographs of work sites attached? (Y/N)

NO

17. Was Notice of work filed? (Y/N)

N/A

If YES, Permit Number:

COST STATEMENT

18. Expense(s) (complete either hourly rate or daily rate)	Total Hours OR # of days	Hourly Rate	Daily Rate	Total(s) (\$)
Labour cost: (specify type)				
2 MAN SURVEY CREW	40 DAYS	\$135	\$1,080	\$43,200
Equipment & Machinery cost: (specify type)				
2 ATV'S @ \$100/DAY / MACHINE	40 DAYS		\$200	8,000
Lodging / Food:	Days	Rate(s)		
Other: (specify)				
19. Total costs of work from above:				51,200 \$0.00

20. Transportation/travel (specify type)	Days	Rate(s)	Total(s) (\$)
21. Transportation/travel, maximum 20% of value in 19:			
22. Total costs of work (add 19 and 21):			\$0.00
23. Amount claimed for assessment credit on claims:			\$5,200


Signature of Recorded Holder / Agent

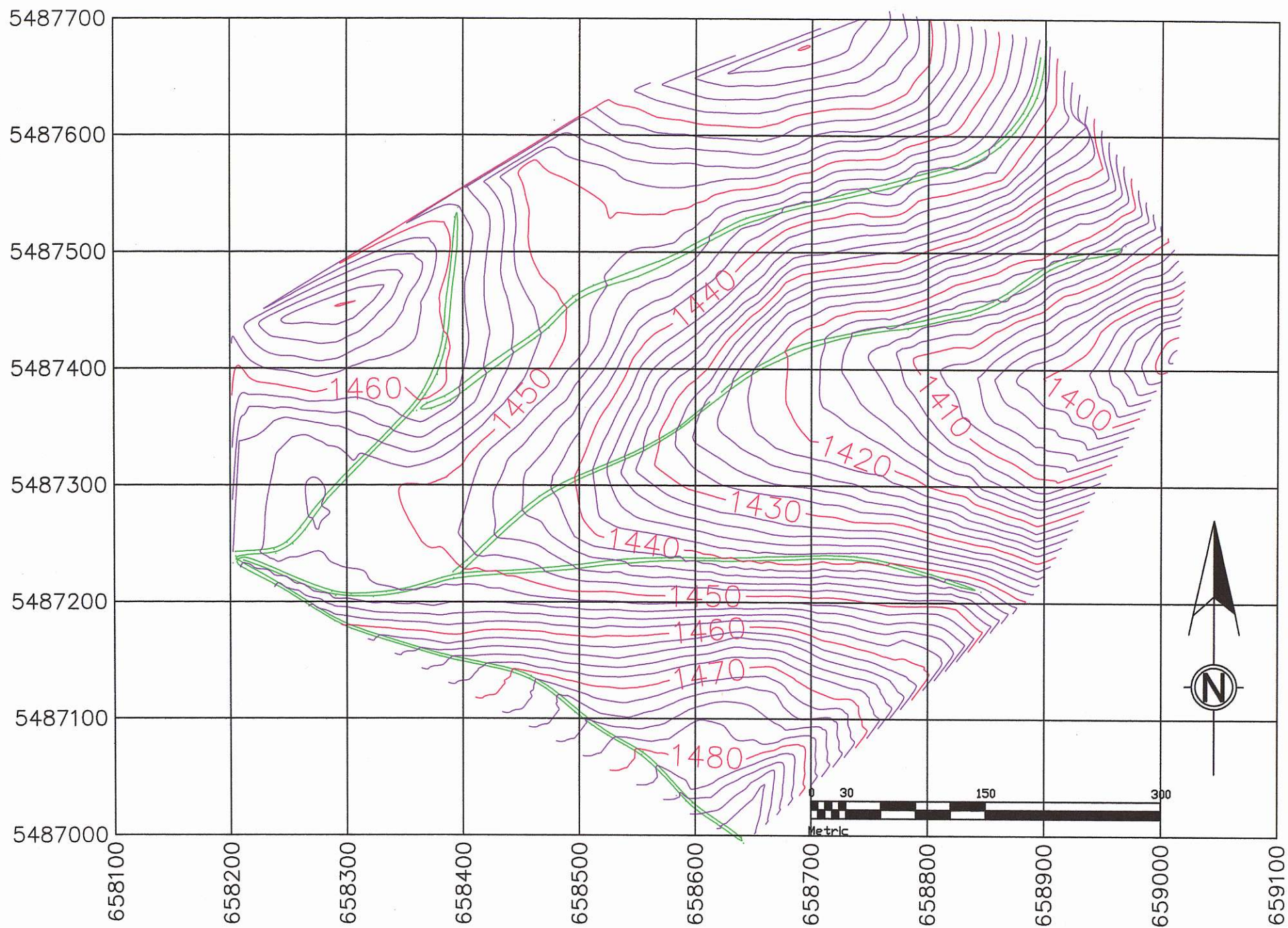
28/09/2011
Date

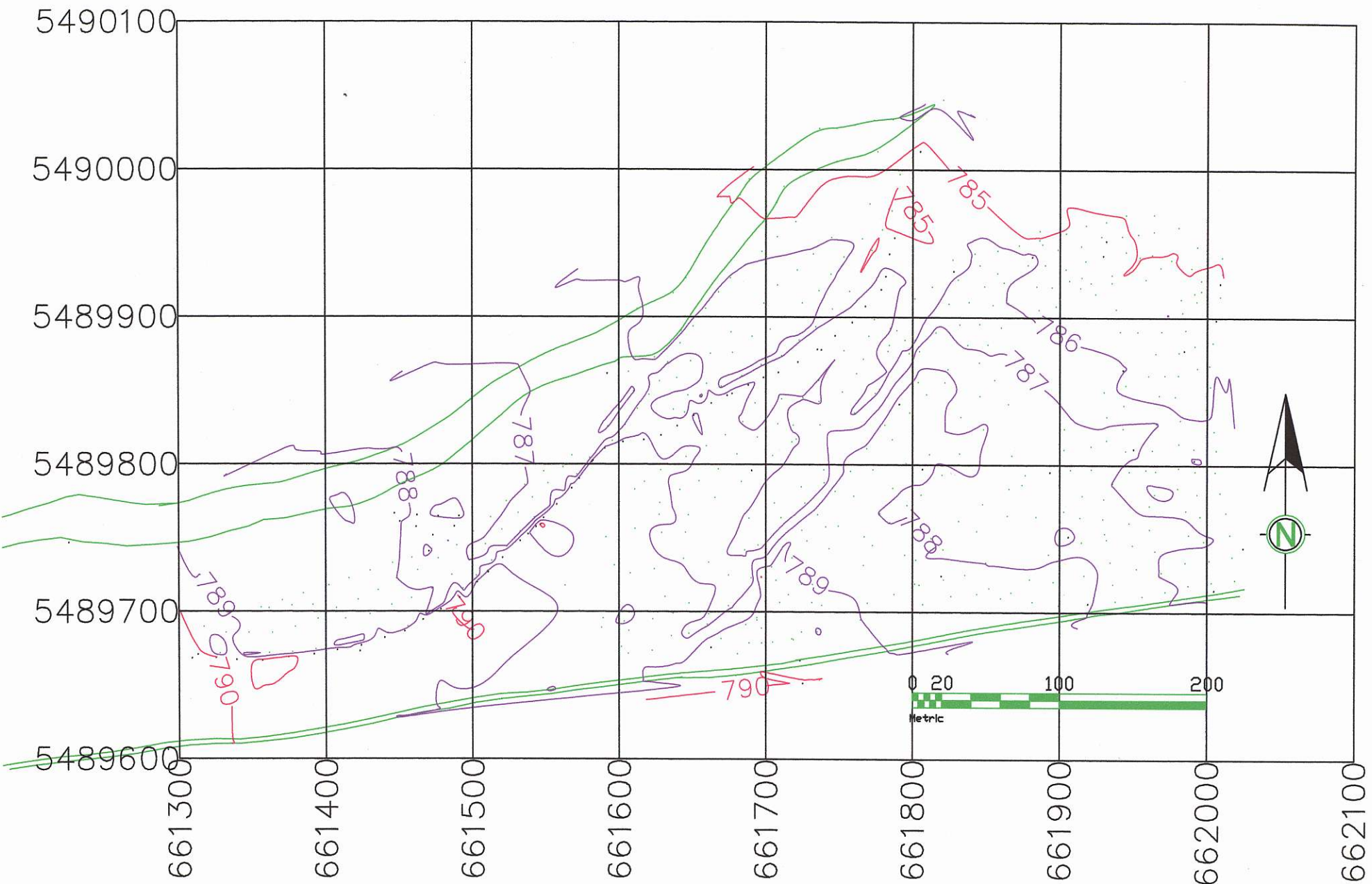


- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- MTO Grid (MTO)
- Blocked by MEM
- Other
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Transportation - Points (TRIM)
- Helipad
- Transportation - Lines (TRIM)
- Airfield
- Airport
- Airstrip

Scale: 1:49,570

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.





Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	2	5487610.000	658935.000	1431.500	HUB						
SP	1	5487118.000	658488.500	1474.500	HUB						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	2		42°13'28"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 93°18'40" SD 665.092m HD 663.982m HR 1.480m										
Note	-- Observed Reference: Point										
Note	-- Distance Calculated: 664.399m										
Note	-- Distance Error: -0.418m										
Note	-- BS Elevation: 1436.106m										
Note	-- BS Elevation Error: 4.606m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	3	1.460	39°13'20"	93°11'15"	583.654	HUB	0.000	0.000	5487569.457	658856.991	1442.087
SS	4	1.460	33°49'45"	92°05'43"	604.307	HUB	0.000	0.000	5487348.456	658364.426	1457.349
SS	5	1.460	32°58'49"	92°03'59"	592.519	HUB	0.000	0.000	5487614.716	658810.828	1453.175
SS	6	1.460	30°57'43"	92°01'27"	572.797	HUB	0.000	0.000	5487608.872	658783.002	1454.308
SS	7	1.460	29°40'01"	91°58'26"	562.923	HUB	0.000	0.000	5487606.843	658766.958	1455.151
SS	8	1.460	28°27'16"	91°57'57"	552.610	HUB	0.000	0.000	5487603.567	658751.642	1455.584
SS	9	1.460	27°09'36"	92°00'54"	542.754	HUB	0.000	0.000	5487600.609	658736.102	1455.456
SS	10	1.460	25°46'23"	92°06'24"	534.657	HUB	0.000	0.000	5487599.146	658720.816	1454.886
SS	11	1.460	24°30'25"	92°09'08"	525.242	HUB	0.000	0.000	5487595.586	658706.219	1454.815
SS	12	1.460	23°13'27"	92°08'31"	513.753	HUB	0.000	0.000	5487589.793	658690.946	1455.338
SS	13	1.460	21°09'37"	92°11'55"	498.750	HUB	0.000	0.000	5487582.779	658668.405	1455.406
SS	14	1.460	19°42'02"	92°15'44"	488.907	HUB	0.000	0.000	5487577.931	658653.184	1455.241

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	15	1.460	16°43'26"	92°36'23"	470.235	HUB	0.000	0.000	5487567.879	658623.675	1453.156
SS	16	1.460	14°50'08"	92°40'44"	462.100	HUB	0.000	0.000	5487564.207	658606.689	1452.942
SS	17	1.460	12°59'26"	92°45'41"	454.736	HUB	0.000	0.000	5487560.583	658590.602	1452.632
SS	18	1.460	10°14'54"	92°55'40"	443.443	HUB	0.000	0.000	5487553.799	658567.292	1451.890
SS	19	1.460	8°05'42"	93°03'11"	436.149	HUB	0.000	0.000	5487549.190	658549.829	1451.310
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	4		33°49'45"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 33°49'45" VA 93°36'30" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1436.457m										
Note	-- BS Elevation Error: -15.988m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	20	1.460	15°44'00"	93°12'30"	428.355		0.000	0.000	5487355.559	658378.314	1457.015
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	4		33°49'45"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 33°49'45" VA 93°45'04" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.946m										
Note	-- BS Elevation Error: -17.499m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	21	1.460	14°11'42"	93°22'19"	422.492		0.000	0.000	5487362.642	658391.889	1456.946

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	2		42°13'28"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 93°26'39" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.553m										
Note	-- BS Elevation Error: 3.053m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	22	1.460	3°57'48"	93°22'08"	423.090		0.000	0.000	5487539.349	658517.693	1449.677
SS	23	1.460	5°34'51"	93°16'51"	423.084		0.000	0.000	5487538.388	658529.577	1450.327
SS	24	1.460	4°12'47"	92°54'36"	453.204		0.000	0.000	5487569.397	658521.752	1451.532
SS	25	1.460	6°28'26"	92°46'45"	454.135		0.000	0.000	5487568.709	658539.644	1452.521
SS	26	1.460	6°28'26"	92°46'46"	454.132		0.000	0.000	5487568.706	658539.643	1452.518
SS	27	1.460	8°42'40"	92°41'10"	457.659		0.000	0.000	5487569.882	658557.737	1453.092
SS	28	1.460	11°30'13"	92°34'10"	465.026		0.000	0.000	5487573.226	658581.147	1453.693
SS	29	1.460	13°09'06"	92°27'11"	473.613		0.000	0.000	5487578.769	658596.162	1454.269
SS	30	1.460	14°49'47"	92°18'39"	480.453		0.000	0.000	5487582.072	658611.371	1455.168
SS	31	1.460	16°31'49"	92°11'00"	488.288		0.000	0.000	5487585.767	658627.336	1455.936
SS	32	1.460	19°18'10"	91°51'00"	506.524		0.000	0.000	5487595.801	658655.849	1458.188
SS	33	1.460	20°39'46"	91°47'08"	516.788		0.000	0.000	5487601.310	658670.769	1458.438
SS	34	1.460	22°20'17"	91°50'19"	527.392		0.000	0.000	5487605.564	658688.843	1457.619
SS	35	1.460	23°36'19"	91°47'02"	637.015		0.000	0.000	5487609.842	658703.436	1457.823
SS	36	1.460	24°58'02"	91°41'53"	648.090		0.000	0.000	5487614.652	658719.747	1458.299
SS	37	1.460	26°08'29"	91°33'15"	559.511		0.000	0.000	5487620.093	658734.923	1459.365
SS	38	1.460	27°20'14"	91°25'31"	570.619		0.000	0.000	5487624.735	658750.462	1460.347
SS	39	1.460	28°26'03"	91°24'13"	581.897		0.000	0.000	5487629.546	658765.436	1460.286
SS	40	1.460	28°55'37"	91°17'34"	896.268		0.000	0.000	5487639.743	658776.839	1461.087
SS	41	1.460	29°07'36"	91°18'20"	611.016		0.000	0.000	5487651.612	658785.830	1460.618

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	42	1.460	29°26'37"	91°15'30"	626.041		0.000	0.000	5487663.050	658796.167	1460.792
SS	43	1.460	27°01'14"	90°54'13"	638.707		0.000	0.000	5487686.917	658778.635	1464.467
SS	44	1.460	26°04'04"	90°49'46"	627.775		0.000	0.000	5487681.856	658764.337	1465.452
SS	45	1.460	25°26'33"	90°48'47"	615.048		0.000	0.000	5487673.343	658752.701	1465.812
SS	46	1.460	24°36'00"	90°45'14"	604.130		0.000	0.000	5487667.250	658739.966	1466.591
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	2		42°13'28"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 96°47'35" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1395.397m										
Note	-- BS Elevation Error: -36.103m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	47	1.460	24°35'54"	90°44'57"	604.069		0.000	0.000	5487667.202	658739.925	1466.642
SS	48	1.460	23°37'24"	90°42'52"	594.372		0.000	0.000	5487662.521	658726.660	1467.129
SS	49	1.460	22°34'35"	90°44'31"	583.936		0.000	0.000	5487657.143	658712.663	1466.979
SS	50	1.460	21°19'15"	90°44'30"	575.601		0.000	0.000	5487654.161	658697.765	1467.089
SS	51	1.460	20°08'18"	90°47'23"	566.378		0.000	0.000	5487649.701	658683.479	1466.734
SS	52	1.460	18°51'30"	90°50'40"	556.754		0.000	0.000	5487644.810	658668.440	1466.335
SS	53	1.460	17°23'50"	90°54'23"	548.427		0.000	0.000	5487641.273	658652.456	1465.865
SS	54	1.460	16°08'13"	91°01'25"	539.651		0.000	0.000	5487636.307	658638.464	1464.899
SS	55	1.460	14°44'45"	91°05'52"	531.817		0.000	0.000	5487632.206	658623.839	1464.351
SS	56	1.460	13°08'16"	91°13'11"	523.329		0.000	0.000	5487627.516	658607.422	1463.400
SS	57	1.460	10°24'31"	91°25'04"	514.992		0.000	0.000	5487624.362	658581.513	1461.798
SS	58	1.460	8°52'23"	91°30'56"	510.145		0.000	0.000	5487621.864	658567.160	1461.047
SS	59	1.460	6°56'38"	91°44'10"	503.775		0.000	0.000	5487617.850	658549.377	1459.278
SS	60	1.460	5°18'22"	91°52'30"	495.763		0.000	0.000	5487611.375	658534.322	1458.319
SS	61	1.460	4°17'10"	92°05'57"	489.606		0.000	0.000	5487605.909	658525.067	1456.606

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	62	1.460	2°54'27"	92°19'10"	482.739		0.000	0.000	5487599.723	658512.966	1455.003
SS	63	1.460	2°07'57"	92°01'48"	503.060		0.000	0.000	5487620.396	658507.207	1456.720
SS	64	1.460	3°26'48"	91°43'15"	510.304		0.000	0.000	5487627.151	658519.165	1459.216
SS	65	1.460	4°45'38"	91°28'16"	519.228		0.000	0.000	5487635.267	658531.577	1461.210
SS	66	1.460	6°42'36"	91°18'51"	525.558		0.000	0.000	5487639.820	658549.892	1462.487
SS	67	1.460	8°22'08"	91°10'08"	529.816		0.000	0.000	5487642.065	658565.596	1463.732
SS	68	1.460	10°06'14"	91°01'35"	536.361		0.000	0.000	5487645.958	658582.581	1464.932
SS	69	1.460	11°35'18"	90°55'54"	540.519		0.000	0.000	5487647.431	658597.964	1465.751
SS	70	1.460	12°58'45"	90°47'44"	547.154		0.000	0.000	5487651.124	658611.377	1466.943
SS	71	1.460	14°36'38"	90°39'53"	553.211		0.000	0.000	5487653.285	658628.037	1468.122
SS	72	1.460	15°56'22"	90°36'56"	561.033		0.000	0.000	5487657.432	658642.563	1468.513
SS	73	1.460	17°20'10"	90°33'52"	568.697		0.000	0.000	5487660.837	658697.950	1468.938
SS	74	1.460	18°40'20"	90°29'44"	582.136		0.000	0.000	5487669.475	658674.866	1469.505
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	2		42°13'28"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 93°25'16" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.822m										
Note	-- BS Elevation Error: 3.322m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	75	1.460	19°55'34"	90°25'02"	592.074		0.000	0.000	5487674.613	658690.278	1470.229
SS	76	1.460	21°10'30"	90°26'50"	600.080		0.000	0.000	5487677.546	658705.253	1469.856
SS	77	1.460	22°28'03"	90°29'00"	608.666		0.000	0.000	5487680.446	658721.099	1469.406
SS	78	1.460	23°12'13"	90°34'17"	622.010		0.000	0.000	5487689.667	658733.560	1468.337
SS	79	1.460	23°54'59"	90°35'31"	635.575		0.000	0.000	5487698.972	658746.150	1467.974
SS	80	1.460	24°29'12"	90°37'54"	648.595		0.000	0.000	5487708.223	658757.314	1467.390
SS	81	1.460	23°36'24"	93°34'12"	462.479		0.000	0.000	5487540.955	658673.343	1445.742

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	82	1.460	39°13'06"	93°11'20"	583.642		0.000	0.000	5487569.472	658856.952	1442.073	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	2		42°13'28"	1.570								
Note	--Orientation Notes											
Note	-- Observed Values: HA 42°13'28" VA 93°26'18" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1434.691m											
Note	-- BS Elevation Error: 3.191m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	83	1.460	125°21'14"	85°36'49"	91.178	HUB	0.000	0.000	5487065.397	658562.646	1481.583	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
83	2		34°21'40"	1.590								
Note	--Orientation Notes											
Note	-- Observed Values: HA 34°21'40" VA 94°02'30" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1435.099m											
Note	-- BS Elevation Error: 3.599m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	84	1.460	305°21'16"	94°30'06"	91.324	HUB	0.000	0.000	5487118.077	658488.393	1474.546	
SS	85	1.460	310°20'42"	96°04'53"	93.372	HUB	0.000	0.000	5487125.505	658491.882	1471.822	
SS	86	1.460	13°06'21"	94°12'36"	489.654	HUB	0.000	0.000	5487541.009	658673.376	1445.767	
SS	87	1.460	30°16'48"	93°53'05"	585.024	HUB	0.000	0.000	5487569.446	658856.953	1442.079	
SS	88	1.460	34°21'31"	93°57'09"	660.790	HUB	0.000	0.000	5487609.595	658934.690	1436.166	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
83	2		34°21'40"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 34°21'40" VA 93°40'06" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1439.417m										
Note	-- BS Elevation Error: 7.917m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	89	1.460	28°44'30"	93°09'27"	703.955	ROADG	0.000	0.000	5487681.686	658900.637	1442.939
SS	90	1.460	29°18'34"	93°12'58"	689.316	ROADG	0.000	0.000	5487665.526	658899.553	1443.041
SS	91	1.460	29°47'35"	93°16'46"	673.936	ROADG	0.000	0.000	5487649.298	658896.956	1443.160
SS	92	1.460	30°10'30"	93°22'17"	657.757	ROADG	0.000	0.000	5487633.040	658892.691	1443.032
SS	93	1.460	30°13'23"	93°28'54"	640.735	ROADG	0.000	0.000	5487618.017	658884.576	1442.802
SS	94	1.460	30°02'48"	93°32'21"	623.328	ROADG	0.000	0.000	5487603.932	658874.155	1443.235
SS	95	1.460	29°37'00"	93°36'35"	605.693	ROADG	0.000	0.000	5487590.912	658861.382	1443.579
SS	96	1.460	28°52'43"	93°38'34"	590.459	ROADG	0.000	0.000	5487581.384	658847.235	1444.198
SS	97	1.460	27°55'16"	93°44'04"	576.377	ROADG	0.000	0.000	5487573.598	658831.965	1444.173
SS	98	1.460	26°40'38"	93°51'43"	564.673	ROADG	0.000	0.000	5487558.814	658815.808	1443.681
SS	99	1.460	25°16'32"	94°00'12"	553.160	ROADG	0.000	0.000	5487564.380	658798.254	1443.095
SS	100	1.460	23°52'15"	94°00'29"	541.576	ROADG	0.000	0.000	5487559.435	658781.273	1443.859
SS	101	1.460	22°24'47"	93°57'33"	530.515	ROADG	0.000	0.000	5487554.666	658764.439	1445.084
SS	102	1.460	20°37'38"	94°12'07"	519.654	ROADG	0.000	0.000	5487558.429	658745.221	1443.637
SS	103	1.460	18°59'58"	94°22'06"	510.124	ROADG	0.000	0.000	5487548.330	658728.235	1442.858
SS	104	1.460	16°34'32"	94°22'22"	498.096	ROADG	0.000	0.000	5487541.405	658704.329	1443.736
SS	105	1.460	14°50'31"	94°27'23"	489.913	ROADG	0.000	0.000	5487537.532	658687.760	1443.647
SS	106	1.460	13°07'37"	94°28'41"	482.148	ROADG	0.000	0.000	5487558.512	658671.819	1444.069
SS	107	1.460	11°23'33"	94°28'40"	473.696	ROADG	0.600	0.000	5487528.342	658655.929	1444.731
SS	108	1.460	9°15'33"	94°35'26"	464.855	ROADG	0.000	0.000	5487522.723	658637.202	1444.509

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	109	1.460	7°30'03"	94°35'51"	454.375	ROADG	0.000	0.000	5487514.434	658621.770	1445.293	
SS	110	1.460	5°42'40"	94°33'19"	445.077	ROADG	0.000	0.000	5487506.865	658606.797	1446.365	
SS	111	1.460	3°52'38"	94°31'39"	435.360	ROADG	0.000	0.000	5487498.404	658591.993	1447.347	
SS	112	1.460	1°53'19"	94°36'31"	427.156	ROADG	0.000	0.000	5487490.940	658576.678	1447.392	
SS	113	1.460	359°53'12"	94°44'18"	420.019	ROADG	0.000	0.000	5487483.979	658561.818	1447.018	
SS	114	1.460	358°18'50"	94°46'51"	415.320	ROADG	0.000	0.000	5487479.093	658550.468	1447.059	
SS	115	1.460	356°32'12"	94°49'48"	411.798	ROADG	0.000	0.000	5487474.984	658537.806	1447.040	
SS	116	1.460	354°22'42"	94°42'58"	409.051	ROADG	0.300	0.000	5487471.102	658522.713	1448.082	
SS	117	1.460	350°29'11"	94°37'45"	400.597	ROADG	0.000	0.000	5487459.195	658496.651	1449.383	
SS	118	1.460	348°31'23"	94°36'01"	391.320	ROADG	0.000	0.000	5487447.657	658485.039	1450.328	
SS	119	1.460	346°26'12"	94°32'24"	381.255	ROADG	0.600	0.000	5487434.856	658476.918	1451.535	
SS	120	1.460	344°19'38"	94°27'58"	375.389	ROADG	0.000	0.000	5487425.729	658461.840	1452.480	
SS	121	1.460	340°59'57"	94°18'00"	368.951	ROADG	0.000	0.000	5487413.263	658442.861	1454.050	
SS	122	1.460	338°33'35"	94°12'15"	363.367	ROADG	0.000	0.000	5487402.709	658430.182	1455.078	
SS	123	1.460	335°57'36"	94°02'20"	359.699	ROADG	0.600	0.000	5487393.082	658416.481	1456.379	
SS	124	1.460	333°11'39"	93°51'58"	355.590	ROADG	0.069	0.000	5487382.053	658402.857	1457.730	
SS	125	1.460	330°25'40"	93°46'27"	352.899	ROADG	0.000	0.000	5487371.659	658388.861	1458.484	
SS	126	1.460	327°37'22"	93°39'09"	355.514	ROADG	0.000	0.000	5487365.033	658372.688	1459.065	
SS	127	1.460	325°47'42"	93°33'35"	361.206	ROADG	0.000	0.000	5487393.549	658359.984	1459.287	
SS	128	1.460	327°33'08"	93°31'33"	362.061	ROADG	0.000	0.000	5487370.355	658368.757	1459.447	
SS	129	1.460	330°04'31"	93°42'31"	358.315	ROADG	0.000	0.000	5487375.292	658384.271	1458.537	
SS	130	1.460	332°40'03"	93°47'10"	360.211	ROADG	0.000	0.000	5487384.694	658397.619	1457.928	
SS	131	1.460	335°51'37"	93°59'10"	365.135	ROADG	0.000	0.000	5487397.795	658418.881	1456.331	
SS	132	1.460	338°30'49"	94°09'57"	368.773	ROADG	0.000	0.000	5487407.637	658427.828	1454.960	
SS	133	1.460	341°01'17"	94°15'46"	373.084	ROADG	0.000	0.000	5487417.224	658441.649	1453.982	
SS	134	1.460	343°37'23"	94°23'02"	377.696	ROADG	0.000	0.000	5487426.708	658456.464	1452.843	
SS	135	1.460	346°02'45"	94°29'67"	384.626	ROADG	0.000	0.000	5487437.521	658470.181	1451.542	
SS	136	1.460	348°07'28"	94°33'55"	394.044	ROADG	0.000	0.000	5487449.783	658481.819	1450.350	
SS	137	1.460	350°11'23"	94°34'54"	404.029	ROADG	0.000	0.000	5487462.246	658494.025	1449.440	
SS	138	1.460	352°51'35"	94°39'18"	410.883	ROADG	0.000	0.000	5487471.748	658511.742	1448.368	
SS	139	1.460	355°06'16"	94°45'67"	413.892	ROADG	0.000	0.000	5487476.362	658527.446	1447.428	
SS	140	1.460	356°52'08"	94°45'10"	418.301	ROADG	0.000	0.000	5487481.637	658539.877	1447.054	
SS	141	1.460	358°53'27"	94°42'27"	423.242	ROADG	0.000	0.000	5487487.132	658554.481	1446.978	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	142	1.460	0°50'19"	94°37'30"	428.360	ROADG	0.000	0.000	5487492.316	658568.895	1447.173
SS	143	1.460	2°49'57"	94°32'08"	435.157	ROADG	0.000	0.000	5487498.661	658584.083	1447.302
SS	144	1.460	4°35'33"	94°30'47"	444.190	ROADG	0.000	0.000	5487506.787	658598.102	1446.762
SS	145	1.460	6°23'33"	94°32'10"	452.910	ROADG	0.000	0.000	5487514.081	658612.915	1445.894
SS	146	1.460	7°58'36"	94°36'50"	461.738	ROADG	0.000	0.000	5487521.186	658626.514	1444.571
SS	147	1.460	9°48'31"	94°28'51"	472.490	ROADG	0.000	0.000	5487529.557	658642.893	1444.800
SS	148	1.460	11°40'24"	94°26'25"	478.876	ROADG	0.000	0.000	5487532.960	658659.247	1444.639
SS	149	1.460	13°28'14"	94°26'29"	487.983	ROADG	0.600	0.000	5487538.530	658675.879	1443.924
SS	150	1.460	15°16'27"	94°23'31"	495.975	ROADG	0.000	0.000	5487542.447	658692.921	1443.732
SS	151	1.460	18°39'48"	94°20'17"	512.174	ROADG	0.000	0.000	5487549.248	658726.076	1442.972
SS	152	1.460	20°33'18"	94°08'00"	524.037	ROADG	0.000	0.000	5487554.795	658746.160	1443.942
SS	153	1.460	22°08'28"	93°56'00"	533.488	ROADG	0.000	0.000	5487558.381	658768.239	1445.118
SS	154	1.460	24°35'05"	93°59'03"	552.804	ROADG	0.000	0.000	5487566.872	658792.078	1443.304
SS	155	1.460	25°59'54"	93°52'09"	564.319	ROADG	0.000	0.000	5487571.454	658809.449	1443.634
SS	156	1.460	27°14'59"	93°44'13"	574.618	ROADG	0.000	0.000	5487575.162	658825.177	1444.269
SS	157	1.460	28°15'38"	93°38'09"	688.677	ROADG	0.000	0.000	5487588.866	658840.809	1444.383
SS	158	1.460	29°08'11"	93°35'49"	604.297	ROADG	0.000	0.000	5487592.188	658856.293	1443.802
SS	159	1.460	29°39'03"	93°31'50"	622.933	ROADG	0.000	0.000	5487605.734	658870.235	1443.353
SS	160	1.460	29°51'47"	93°27'49"	640.310	ROADG	0.900	0.000	5487519.671	658880.893	1443.029
SS	161	1.460	29°45'27"	93°21'36"	657.262	ROADG	0.000	0.000	5487588.007	658888.804	1443.192
SS	162	1.460	29°26'45"	93°16'10"	673.008	ROADG	0.000	0.000	5487650.512	658892.959	1443.331
SS	163	1.460	28°55'21"	93°11'29"	688.958	ROADG	0.000	0.000	5487667.489	658895.328	1443.358
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
83	2		34°21'40"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 34°21'40" VA 94°04'41" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.678m										
Note	-- BS Elevation Error: 3.178m										
Note	--EDM Mode: IR Fine										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	164	1.460	123°07'28"	85°25'29"	101.474	SS	0.000	0.000	5487010.122	658647.359	1489.808
SS	165	1.460	113°34'39"	85°45'00"	98.219	SS	0.000	0.000	5487026.218	658652.418	1488.992
SS	166	1.460	104°39'07"	86°01'57"	98.929	SS	0.000	0.000	5487040.433	658658.129	1488.558
SS	167	1.460	96°43'10"	87°08'05"	103.512	SS	0.000	0.000	5487053.300	658665.318	1486.888
SS	168	1.460	91°57'42"	88°38'22"	107.276	SS	0.000	0.000	5487061.726	658669.829	1484.261
SS	169	1.460	86°10'14"	90°49'41"	106.633	SS	0.900	0.000	5487072.451	658668.032	1480.187
SS	170	1.460	81°01'25"	92°17'06"	110.915	SS	0.000	0.000	5487082.689	658672.116	1477.291
SS	171	1.460	84°04'27"	92°03'46"	91.248	SS	0.000	0.000	5487074.811	658653.348	1478.429
SS	172	1.460	87°34'52"	92°19'42"	77.025	SS	0.000	0.000	5487089.645	658639.638	1478.584
SS	173	1.460	94°11'04"	92°02'22"	83.959	SS	0.900	0.000	5487060.733	658626.396	1479.437
SS	174	1.460	103°47'56"	91°29'16"	53.657	SS	0.000	0.000	5487052.603	658614.737	1480.320
SS	175	1.460	125°43'28"	90°06'41"	42.174	SS	0.000	0.000	5487040.772	658596.884	1481.631
SS	176	1.460	122°30'41"	97°56'27"	59.940	SS	0.900	0.000	5487083.202	658613.163	1483.867
SS	177	1.460	109°50'00"	98°22'02"	63.590	SS	0.000	0.000	5487048.830	658622.440	1483.525
SS	178	1.460	100°43'50"	88°55'07"	73.987	SS	0.000	0.000	5487051.623	658635.327	1483.110
SS	179	1.460	94°32'03"	89°21'36"	87.308	SS	0.000	0.000	5487058.495	658649.676	1482.669
SS	180	1.460	77°56'02"	92°44'25"	117.084	SS	0.000	0.000	5487089.844	658677.613	1476.116
SS	181	1.460	70°58'39"	93°14'01"	116.357	SS	0.000	0.000	5487105.262	658672.474	1475.150
SS	182	1.460	63°27'06"	93°15'36"	114.955	SS	0.000	0.000	5487116.693	658665.314	1475.176
SS	183	1.460	60°53'04"	93°26'30"	101.000	SS	0.000	0.000	5487114.452	658650.725	1475.650
SS	184	1.460	56°54'06"	93°35'20"	83.482	SS	0.000	0.000	5487110.895	658632.448	1476.480
SS	185	1.460	53°06'07"	93°49'21"	66.596	SS	0.000	0.000	5487105.291	658615.783	1477.274
SS	186	1.460	51°43'53"	93°50'57"	49.691	SS	0.000	0.000	5487096.104	658601.572	1478.378
SS	187	1.460	50°02'38"	95°48'18"	32.167	SS	0.000	0.000	5487085.949	658587.177	1478.460
SS	188	1.460	47°27'12"	99°29'22"	20.703	SS	0.000	0.000	5487089.205	658577.690	1478.300
SS	189	1.460	88°20'26"	94°40'11"	24.335	SS	0.000	0.000	5487089.099	658586.890	1479.732
SS	190	1.460	106°27'15"	92°15'57"	36.221	SS	0.000	0.000	5487055.145	658597.357	1480.281
SS	191	1.460	88°02'16"	92°28'16"	52.918	SS	0.000	0.000	5487087.207	658615.484	1479.432
SS	192	1.460	71°13'11"	92°47'21"	48.783	SS	0.000	0.000	5487081.083	658608.778	1479.340
SS	193	1.460	70°06'21"	92°44'44"	64.362	SS	0.000	0.000	5487087.273	658623.097	1478.631
SS	194	1.460	82°04'03"	92°49'24"	72.142	SS	0.000	0.000	5487075.341	658634.011	1478.160

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	195	1.460	329°36'14"	93°09'24"	370.684	HUB	0.000	0.000	5487384.644	658375.374	1461.301
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Delete Pt Nu											
4											
20											
21											
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
195	85		155°47'29"	1.630							
Note	--Orientation Notes										
Note	-- Observed Values: HA 155°47'29" VA 87°58'47" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1471.494m										
Note	-- BS Elevation Error: -0.328m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	196	1.460	227°46'12"	92°04'59"	222.285	ROADG	0.000	0.000	5487235.344	658210.891	1453.392
SS	197	1.460	224°06'19"	92°09'44"	215.224	ROADG	0.000	0.000	5487230.210	658225.689	1453.351
SS	198	1.460	219°58'12"	92°13'03"	209.812	ROADG	0.000	0.000	5487223.969	658240.694	1453.353
SS	199	1.460	219°57'46"	92°13'01"	209.843	ROADG	0.000	0.000	5487223.928	658240.695	1453.354
SS	200	1.460	215°04'59"	92°14'28"	205.399	ROADG	0.000	0.000	5487216.691	658257.409	1453.439
SS	201	1.460	210°25'08"	92°17'37"	202.511	ROADG	0.000	0.000	5487210.150	658272.921	1453.367
SS	202	1.460	205°25'29"	92°21'38"	199.237	ROADG	0.000	0.000	5487204.856	658289.909	1453.265

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	203	1.460	196°18'40"	92°42'32"	188.418	ROADG	0.000	0.000	5487204.012	658322.515	1452.566
SS	204	1.460	190°03'39"	92°57'53"	180.908	ROADG	0.000	0.000	5487206.757	658343.813	1452.115
SS	205	1.460	185°20'59"	93°07'11"	175.357	ROADG	0.000	0.000	5487210.309	658359.049	1451.928
SS	206	1.460	179°41'28"	93°22'03"	169.377	ROADG	0.000	0.000	5487215.562	658376.285	1451.522
SS	207	1.460	174°22'31"	93°34'48"	165.563	ROADG	0.000	0.000	5487220.200	658391.569	1451.133
SS	208	1.460	164°39'00"	93°46'06"	168.381	ROADG	0.000	0.000	5487222.621	658419.880	1450.405
SS	209	1.430	159°03'32"	93°54'02"	172.665	ROADG	0.000	0.000	5487229.756	658436.938	1449.726
SS	210	1.460	153°47'46"	93°59'58"	178.773	ROADG	0.000	0.000	5487234.635	658454.122	1449.002
SS	211	1.460	149°16'50"	94°09'47"	185.259	ROADG	0.000	0.000	5487235.801	658469.761	1448.022
SS	212	1.460	144°18'04"	94°22'33"	194.624	ROADG	0.000	0.000	5487221.052	658488.611	1446.622
SS	213	1.460	140°04'09"	94°32'21"	203.273	ROADG	0.000	0.000	5487229.260	658505.432	1445.384
SS	214	1.460	136°25'06"	94°36'00"	212.113	ROADG	0.000	0.000	5487231.486	658521.133	1444.460
SS	215	1.460	131°51'09"	94°33'10"	227.705	ROADG	0.000	0.000	5487233.195	658544.449	1443.397
SS	216	1.460	128°57'19"	94°25'40"	239.192	ROADG	0.000	0.000	5487234.710	658560.823	1443.005
SS	217	1.460	126°35'07"	94°19'28"	251.344	ROADG	0.000	0.000	5487235.265	658576.621	1442.519
SS	218	1.460	124°40'42"	94°14'36"	263.779	ROADG	0.000	0.000	5487234.974	658591.760	1441.954
SS	219	1.460	122°41'11"	94°11'39"	276.687	ROADG	0.000	0.000	5487235.623	658607.621	1441.235
SS	220	1.460	121°02'43"	94°09'05"	291.212	ROADG	0.000	0.000	5487234.856	658624.218	1440.390
SS	221	1.460	119°24'01"	94°04'14"	305.240	ROADG	0.000	0.000	5487235.177	658640.632	1439.804
SS	222	1.460	117°59'41"	94°00'50"	318.222	ROADG	0.000	0.000	5487235.641	658656.672	1439.190
SS	223	1.460	116°35'52"	93°55'10"	332.607	ROADG	0.000	0.000	5487236.076	658672.086	1438.736
SS	224	1.460	115°23'28"	93°48'40"	346.192	ROADG	0.000	0.000	5487236.527	658687.433	1438.461
SS	225	1.460	114°15'42"	93°39'36"	358.827	ROADG	0.000	0.000	5487237.501	658701.682	1438.565
SS	226	1.460	113°15'20"	93°31'19"	373.819	ROADG	0.000	0.000	5487237.327	658718.172	1438.507
SS	227	1.460	112°26'00"	93°20'35"	388.382	ROADG	0.000	0.000	5487236.687	658733.754	1438.823
SS	228	1.460	111°31'09"	93°02'20"	410.447	ROADG	0.000	0.000	5487234.299	658756.673	1439.712
SS	229	1.460	111°20'12"	92°51'24"	426.103	ROADG	0.000	0.000	5487229.801	658771.772	1440.235
SS	230	1.460	111°04'21"	92°41'06"	441.264	ROADG	0.000	0.000	5487235.163	658786.676	1440.800
SS	231	1.460	110°47'39"	92°23'34"	469.096	ROADG	0.000	0.000	5487218.255	658813.532	1441.887
SS	232	1.460	110°41'51"	92°11'38"	484.726	ROADG	0.000	0.000	5487213.451	658828.484	1442.915
SS	233	1.460	110°23'55"	92°04'44"	501.966	ROADG	0.000	0.000	5487229.800	658846.682	1443.262
SS	234	1.460	110°23'36"	92°10'39"	486.965	ROADG	0.000	0.000	5487235.073	658831.438	1442.969
SS	235	1.460	110°26'15"	92°20'46"	472.021	ROADG	0.000	0.000	5487219.960	658817.312	1442.149

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	236	1.460	110°33'05"	92°30'49"	456.964	ROADG	0.000	0.000	5487224.383	658802.844	1441.430
SS	237	1.460	110°42'23"	92°41'05"	442.225	ROADG	0.000	0.000	5487228.454	658788.579	1440.757
SS	238	1.460	110°55'39"	92°51'50"	426.060	ROADG	0.000	0.000	5487232.652	658772.831	1440.184
SS	239	1.460	111°12'36"	93°02'40"	409.662	ROADG	0.000	0.000	5487236.643	658756.747	1439.714
SS	240	1.460	111°47'57"	93°17'20"	392.111	ROADG	0.000	0.000	5487239.272	658738.846	1438.976
SS	241	1.460	112°33'51"	93°28'23"	377.399	ROADG	0.000	0.000	5487240.096	658723.243	1438.609
SS	242	1.460	113°28'34"	93°37'21"	363.377	ROADG	0.600	0.000	5487240.177	658708.006	1438.512
SS	243	1.460	114°31'38"	93°46'59"	349.805	ROADG	0.000	0.000	5487239.748	658692.921	1438.392
SS	244	1.460	115°49'46"	93°54'19"	335.339	ROADG	0.000	0.000	5487238.878	658676.510	1438.632
SS	245	1.460	117°00'20"	94°01'13"	321.559	ROADG	0.000	0.000	5487238.991	658661.166	1438.927
SS	246	1.460	118°24'56"	94°05'23"	609.066	ROADG	0.000	0.000	5487237.946	658646.511	1439.429
SS	247	1.460	119°53'09"	94°09'07"	295.391	ROADG	0.000	0.000	5487237.845	658630.812	1440.084
SS	248	1.460	121°25'52"	94°11'55"	283.184	ROADG	0.000	0.000	5487237.368	658616.357	1440.738
SS	249	1.460	123°04'02"	94°14'37"	269.644	ROADG	0.000	0.000	5487237.924	658600.725	1441.518
SS	250	1.460	124°45'47"	94°16'56"	257.343	ROADG	0.600	0.000	5487238.321	658586.100	1442.257
SS	251	1.460	126°59'11"	94°23'48"	245.027	ROADG	0.600	0.000	5487237.664	658570.620	1442.687
SS	252	1.460	129°10'37"	94°31'20"	233.488	ROADG	0.000	0.000	5487237.605	658555.810	1443.062
SS	253	1.460	131°48'44"	94°36'53"	222.726	ROADG	0.000	0.000	5487236.636	658540.841	1443.552
SS	254	1.460	134°47'12"	94°39'38"	212.510	ROADG	0.000	0.000	5487238.433	658526.701	1444.204
SS	255	1.460	138°54'21"	94°39'43"	202.185	ROADG	0.000	0.000	5487232.776	658507.830	1445.038
SS	256	1.460	142°52'30"	94°31'58"	193.376	ROADG	0.000	0.000	5487230.944	658491.722	1446.189
SS	257	1.460	147°52'52"	94°17'37"	183.996	ROADG	0.000	0.000	5487229.247	658472.928	1447.698
SS	258	1.460	152°13'56"	94°06'26"	177.679	ROADG	0.000	0.000	5487237.830	658457.940	1448.745
SS	259	1.460	156°53'38"	94°01'35"	172.163	ROADG	0.600	0.000	5487226.683	658442.770	1449.388
SS	260	1.460	161°35'44"	93°55'15"	167.378	ROADG	0.000	0.000	5487226.199	658428.095	1450.026
SS	261	1.460	167°02'14"	93°47'51"	163.719	ROADG	0.600	0.000	5487225.448	658412.818	1450.628
SS	262	1.460	172°43'07"	93°41'34"	162.256	ROADG	0.000	0.000	5487224.031	658396.500	1451.021
SS	263	1.460	177°47'43"	93°32'34"	164.627	ROADG	0.000	0.000	5487226.454	658381.690	1451.298
SS	264	1.460	183°20'46"	93°17'56"	169.950	ROADG	0.000	0.000	5487215.265	658365.471	1451.692
SS	265	1.460	188°24'12"	93°07'39"	175.766	ROADG	0.000	0.000	5487211.024	658349.726	1451.882
SS	266	1.460	193°20'27"	92°53'44"	181.452	ROADG	0.000	0.000	5487238.314	658338.559	1452.305
SS	267	1.460	202°01'19"	92°32'17"	192.641	ROADG	0.000	0.000	5487226.233	658303.212	1452.941
SS	268	1.460	206°45'04"	92°23'05"	397.457	ROADG	0.000	0.000	5487208.474	658286.572	1453.255

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	269	1.460	214°08'20"	92°17'15"	201.801	ROADG	0.000	0.000	5487217.751	658262.214	1453.417
SS	270	1.460	218°12'08"	92°14'58"	205.208	ROADG	0.000	0.000	5487223.509	658248.563	1453.417
SS	271	1.460	222°15'19"	92°12'43"	209.452	ROADG	0.000	0.000	5487229.732	658234.636	1453.387
SS	272	1.460	226°12'52"	92°09'33"	215.539	ROADG	0.000	0.000	5487235.605	658219.879	1453.351
SS	273	1.460	228°44'10"	92°07'29"	220.832	ROADG	0.000	0.000	5487239.100	658209.493	1453.284
SS	274	1.460	228°49'09"	91°57'57"	230.545	ROADG	0.000	0.000	5487232.934	658201.980	1453.563
SS	275	1.468	224°56'44"	81°44'42"	224.770	ROADG	0.600	0.000	5487225.631	658216.668	1454.627
SS	276	1.460	221°00'01"	81°34'15"	220.546	ROADG	0.800	0.000	5487216.260	658230.737	1455.425
SS	277	1.460	216°38'15"	91°18'11"	217.129	ROADG	0.000	0.000	5487210.459	658245.836	1456.534
SS	278	1.460	212°23'13"	91°04'23"	216.762	ROADG	0.000	0.000	5487201.632	658259.289	1457.412
SS	279	1.460	208°01'21"	80°47'43"	217.159	ROADG	0.000	0.000	5487102.963	658273.368	1458.497
SS	280	1.460	203°09'55"	80°30'43"	219.128	ROADG	0.000	0.000	5487182.192	658289.176	1459.513
SS	281	1.460	199°09'06"	90°18'02"	220.171	ROADG	0.000	0.000	5487176.662	658303.144	1460.316
SS	282	1.460	194°59'02"	89°59'04"	220.497	ROADG	0.000	0.000	5487171.645	658318.369	1461.531
SS	283	1.460	190°52'40"	89°44'44"	221.744	ROADG	0.000	0.000	5487166.887	658339.620	1462.456
SS	284	1.460	186°42'53"	89°33'27"	223.975	ROADG	0.000	0.000	5487182.213	658349.166	1463.201
SS	285	1.460	182°54'00"	89°18'27"	227.012	ROADG	0.000	0.000	5487157.940	658363.890	1464.215
SS	286	1.460	179°02'08"	89°01'49"	231.386	ROADG	0.000	0.000	5487153.324	658379.288	1465.387
SS	287	1.460	175°11'09"	88°47'06"	235.973	ROADG	0.000	0.000	5487149.557	658395.178	1466.476
SS	288	1.466	171°23'17"	88°33'28"	241.004	ROADG	0.000	0.000	5487146.433	658411.451	1467.537
SS	289	1.460	167°56'56"	88°20'21"	246.842	ROADG	0.000	0.000	5487143.343	658426.889	1468.625
SS	290	1.460	164°43'42"	88°03'31"	253.889	ROADG	0.000	0.000	5487139.861	658442.209	1470.072
SS	291	1.460	161°56'59"	87°48'48"	263.692	ROADG	0.000	0.000	5487184.113	658457.020	1471.532
SS	292	1.460	159°44'07"	87°37'03"	275.820	ROADG	0.000	0.000	5487186.121	658470.826	1472.937
SS	293	1.460	158°03'36"	87°26'52"	289.612	ROADG	0.000	0.000	5487116.274	658483.476	1474.368
SS	294	1.460	156°40'29"	87°21'44"	304.422	ROADG	0.000	0.000	5487105.398	658495.782	1475.481
SS	295	1.460	155°04'31"	87°20'15"	320.337	ROADG	0.000	0.000	5487084.456	658510.227	1476.352
SS	296	1.460	153°36'21"	87°14'34"	334.172	ROADG	0.000	0.000	5487086.654	658523.786	1477.546
SS	297	1.460	152°04'40"	87°07'04"	347.824	ROADG	0.000	0.000	5487077.701	658538.044	1478.961
SS	298	1.460	150°33'20"	86°57'43"	362.759	ROADG	0.000	0.000	5487069.186	658553.448	1480.697
SS	299	1.460	149°35'30"	86°52'28"	383.490	ROADG	0.000	0.000	5487084.399	658569.193	1482.381
SS	300	1.460	149°01'33"	86°50'26"	400.355	ROADG	0.000	0.000	5487041.902	658581.104	1483.537
SS	301	1.460	148°40'36"	86°49'47"	416.537	ROADG	0.000	0.000	5487029.364	658591.586	1484.507

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	302	1.460	147°58'48"	86°45'23"	432.188	ROADG	0.000	0.000	5487018.795	658604.160	1485.925
SS	303	1.460	147°01'12"	86°40'00"	447.346	ROADG	0.000	0.000	5487010.018	658618.473	1487.482
SS	304	1.460	146°16'56"	86°32'15"	462.435	ROADG	0.000	0.000	5487000.702	658631.604	1489.400
SS	305	1.460	145°46'03"	86°33'11"	474.086	ROADG	0.000	0.000	5486993.397	658641.590	1489.975
SS	306	1.460	145°35'49"	86°31'22"	468.790	ROADG	0.000	0.000	5486998.566	658639.758	1489.904
SS	307	1.460	146°16'05"	86°36'02"	454.382	ROADG	0.000	0.000	5487007.425	658627.232	1488.415
SS	308	1.460	147°04'37"	86°41'49"	440.076	ROADG	0.000	0.000	5487015.857	658614.168	1486.827
SS	309	1.460	148°08'17"	86°48'29"	420.900	ROADG	0.000	0.000	5487027.719	658597.211	1484.907
SS	310	1.460	148°35'17"	86°50'02"	404.189	ROADG	0.000	0.000	5487040.219	658585.711	1483.795
SS	311	1.460	149°03'23"	86°52'40"	388.239	ROADG	0.000	0.000	5487052.156	658574.708	1482.617
SS	312	1.460	149°27'57"	86°53'15"	375.954	ROADG	0.000	0.000	5487051.303	658566.098	1481.884
SS	313	1.460	150°12'29"	86°58'48"	361.244	ROADG	0.000	0.000	5487071.579	658554.068	1480.509
SS	314	1.460	151°36'55"	87°06'06"	347.589	ROADG	0.000	0.000	5487079.235	658540.403	1479.047
SS	315	1.460	153°09'44"	87°15'26"	333.995	ROADG	0.000	0.000	5487088.966	658525.989	1477.454
SS	316	1.460	154°34'02"	87°21'51"	319.548	ROADG	0.666	0.000	5487096.369	658512.468	1476.167
SS	317	1.460	155°56'32"	87°22'58"	305.908	ROADG	0.600	0.000	5487105.601	658499.968	1475.440
SS	318	1.460	157°26'30"	87°26'16"	289.520	ROADG	0.000	0.000	5487117.543	658486.330	1474.414
SS	319	1.460	159°12'36"	87°35'46"	275.029	ROADG	0.000	0.000	5487127.750	658472.968	1473.007
SS	320	1.460	161°32'47"	87°47'04"	251.819	ROADG	0.000	0.000	5487136.474	658458.167	1471.593
SS	321	1.460	164°12'53"	88°02'04"	252.228	ROADG	0.000	0.000	5487142.071	658443.048	1470.122
SS	322	1.460	167°28'26"	88°19'24"	245.196	ROADG	0.000	0.000	5487145.387	658428.530	1468.646
SS	323	1.460	171°03'31"	88°33'29"	239.088	ROADG	0.000	0.000	5487148.536	658412.922	1467.488
SS	324	1.460	174°46'37"	88°46'25"	233.798	ROADG	0.000	0.000	5487151.870	658396.068	1466.475
SS	325	1.460	178°33'34"	89°01'56"	229.725	ROADG	0.000	0.000	5487105.025	658381.148	1465.351
SS	326	1.460	182°43'55"	89°19'40"	225.119	ROADG	0.000	0.000	5487159.797	658364.645	1464.112
SS	327	1.460	187°02'06"	89°35'05"	221.603	ROADG	0.000	0.000	5487164.715	658348.234	1463.077
SS	328	1.460	191°09'56"	89°46'02"	219.241	ROADG	0.000	0.000	5487166.555	658332.019	1462.362
SS	329	1.460	195°29'51"	90°03'17"	218.223	ROADG	0.000	0.000	5487174.356	658317.060	1461.263
SS	330	1.460	200°05'04"	90°24'16"	217.714	ROADG	0.000	0.000	5487180.175	658300.612	1459.934
SS	331	1.460	204°52'18"	90°36'41"	216.358	ROADG	0.000	0.000	5487188.365	658284.382	1459.163
SS	332	1.460	209°17'42"	90°55'27"	214.623	ROADG	0.000	0.000	5487197.493	658270.371	1458.010
SS	333	1.460	213°48'19"	91°11'13"	214.536	ROADG	0.000	0.000	5487205.417	658256.037	1457.027
SS	334	1.460	218°10'39"	91°25'12"	215.619	ROADG	0.000	0.000	5487215.199	658242.141	1456.128

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	335	1.460	222°19'58"	91°40'07"	218.513	ROADG	0.000	0.000	5487223.178	658228.282	1455.108
SS	336	1.460	226°23'44"	91°50'59"	222.967	ROADG	0.000	0.000	5487230.949	658214.003	1454.274
SS	337	1.460	228°57'07"	92°00'53"	226.501	ROADG	0.000	0.000	5487235.995	658204.661	1453.508
SS	338	1.460	229°33'25"	92°04'02"	225.023	ROADG	0.000	0.000	5487238.769	658204.231	1453.354
SS	339	1.460	227°07'17"	92°28'24"	211.694	ROADG	0.000	0.000	5487240.732	658220.390	1452.336
SS	340	1.460	223°36'01"	93°00'53"	198.469	ROADG	0.000	0.000	5487241.118	658238.695	1451.033
SS	341	1.460	222°03'34"	93°16'20"	182.610	ROADG	0.000	0.000	5487249.286	658253.243	1451.048
SS	342	1.460	222°05'12"	93°23'08"	166.479	ROADG	0.000	0.000	5487261.311	658263.989	1451.646
SS	343	1.460	222°59'43"	93°33'56"	150.731	ROADG	0.000	0.000	5487274.611	658272.784	1452.097
SS	344	1.460	223°48'12"	94°06'14"	133.961	ROADG	0.000	0.000	5487288.210	658282.886	1451.884
SS	345	1.460	223°35'11"	94°44'51"	116.844	ROADG	0.000	0.000	5487360.301	658295.993	1451.801
SS	346	1.460	223°38'02"	95°30'40"	99.703	ROADG	0.000	0.000	5487312.816	658306.992	1451.896
SS	347	1.460	223°26'13"	96°32'33"	80.236	ROADG	0.000	0.000	5487326.762	658320.567	1452.329
SS	348	1.460	223°00'09"	96°19'27"	63.353	ROADG	0.000	0.000	5487338.595	658332.428	1454.493
SS	349	1.460	222°27'11"	95°39'35"	45.962	ROADG	0.000	0.000	5487360.897	658344.501	1456.938
SS	350	1.460	220°59'25"	94°45'19"	28.259	ROADG	0.000	0.000	5487363.387	658306.901	1459.129
SS	351	1.460	226°12'29"	93°52'40"	10.980	ROADG	0.000	0.000	5487377.063	658367.466	1460.729
SS	352	1.460	13°25'46"	89°31'55"	10.205	ROADG	0.000	0.000	5487394.570	658377.744	1461.553
SS	353	1.460	16°27'08"	91°41'16"	33.741	ROADG	0.000	0.000	5487416.990	658384.928	1460.477
SS	354	1.460	13°28'08"	91°52'38"	51.185	ROADG	0.000	0.000	5487434.395	658387.289	1459.796
SS	355	1.460	11°24'12"	91°47'18"	68.618	ROADG	0.000	0.000	5487451.875	658388.934	1459.330
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
195	85		155°47'29"	1.630							
Note	--Orientation Notes										
Note	-- Observed Values: HA 155°47'29" VA 88°13'16" HR 1.480m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.295m										
Note	-- BS Elevation Error: -1.526m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	356	1.460	10°07'36"	91°31'10"	86.437	ROADG	0.000	0.000	5487469.705	658390.566	1459.179
SS	357	1.460	9°41'08"	91°04'42"	104.449	ROADG	0.000	0.000	5487487.586	658392.943	1459.506
SS	358	1.460	9°11'20"	90°47'42"	121.515	ROADG	0.000	0.000	5487504.588	658394.777	1459.785
SS	359	1.460	8°14'21"	90°55'50"	138.408	ROADG	0.000	0.000	5487521.606	658395.206	1459.223
SS	360	1.460	7°27'40"	91°13'31"	154.201	ROADG	0.000	0.000	5487537.505	658395.393	1458.174
SS	361	1.460	6°49'54"	91°03'19"	145.783	ROADG	0.000	0.000	5487529.368	658392.712	1458.786
SS	362	1.460	7°17'26"	90°48'28"	129.022	ROADG	0.000	0.000	5487512.610	658391.746	1459.652
SS	363	1.460	7°31'32"	90°54'34"	111.278	ROADG	0.000	0.000	5487494.950	658389.946	1459.705
SS	364	1.460	7°44'22"	91°16'43"	93.901	ROADG	0.000	0.000	5487477.667	658388.016	1459.376
SS	365	1.460	7°34'47"	91°37'38"	77.180	ROADG	0.000	0.000	5487461.119	658385.688	1459.286
SS	366	1.460	7°34'01"	91°37'39"	77.168	ROADG	0.000	0.000	5487461.109	658385.553	1459.280
SS	367	1.460	8°11'04"	91°50'02"	60.579	ROADG	0.000	0.000	5487444.576	658383.994	1459.533
SS	368	1.460	9°52'38"	91°45'43"	43.484	ROADG	0.000	0.000	5487427.464	658382.830	1460.134
SS	369	1.460	8°00'31"	91°15'30"	25.829	ROADG	0.000	0.000	5487410.215	658378.973	1460.904
SS	370	1.460	339°10'33"	90°09'08"	9.755	ROADG	0.000	0.000	5487393.762	658371.906	1461.445
SS	371	1.460	241°36'03"	94°04'14"	12.017	ROADG	0.000	0.000	5487378.944	658364.830	1460.618
SS	372	1.460	227°39'43"	94°52'58"	28.967	ROADG	0.000	0.000	5487365.206	658354.040	1459.006
SS	373	1.460	226°28'59"	95°43'34"	46.967	ROADG	0.000	0.000	5487352.465	658341.488	1456.786
SS	374	1.460	225°49'07"	96°15'56"	83.144	ROADG	0.000	0.000	5487340.900	658330.363	1454.580
SS	375	1.460	225°31'33"	96°28'01"	80.112	ROADG	0.000	0.000	5487328.876	658318.572	1452.448
SS	376	1.460	225°42'19"	95°38'18"	97.166	ROADG	0.000	0.000	5487317.117	658306.163	1451.925
SS	377	1.460	225°27'30"	94°44'50"	115.376	ROADG	0.000	0.000	5487303.994	658293.423	1451.923
SS	378	1.460	225°05'09"	94°04'48"	133.227	ROADG	0.000	0.000	5487293.819	658281.267	1451.992
SS	379	1.460	224°32'45"	93°31'36"	150.519	ROADG	0.000	0.000	5487277.574	658269.988	1452.212
SS	380	1.460	223°31'08"	93°21'33"	168.143	ROADG	0.000	0.000	5487262.924	658259.792	1451.619
SS	381	1.460	223°26'07"	93°17'45"	184.968	ROADG	0.000	0.000	5487350.552	658248.413	1450.837
SS	382	1.460	224°36'53"	93°02'37"	197.209	ROADG	0.000	0.000	5487344.460	658237.063	1451.000
SS	383	1.460	227°42'16"	92°28'02"	209.779	ROADG	0.000	0.000	5487243.604	658220.348	1452.441
SS	384	1.460	230°22'38"	92°05'53"	222.894	ROADG	0.000	0.000	5487242.593	658203.803	1453.311
SS	385	1.460	148°27'46"	97°15'25"	863.156	SS	0.000	0.000	5487070.481	658565.166	1478.851
SS	386	1.460	146°12'49"	97°24'37"	362.486	SS	0.000	0.000	5487083.684	658576.748	1477.890
SS	387	1.460	143°52'08"	87°25'07"	361.929	SS	0.000	0.000	5487092.622	658588.563	1477.772

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	388	1.460	141°25'45"	87°26'45"	362.660	SS	0.000	0.000	5487101.385	658601.261	1477.633
SS	389	1.460	138°30'54"	87°37'16"	365.699	SS	0.000	0.000	5487110.925	658617.413	1476.651
SS	390	1.460	136°09'37"	87°50'39"	368.829	SS	0.000	0.000	5487118.803	658630.660	1475.346
SS	391	1.460	133°40'35"	88°04'40"	372.623	SS	0.000	0.000	5487127.462	658644.722	1473.970
SS	392	1.460	130°23'36"	88°28'43"	379.197	SS	0.000	0.000	5487138.999	658664.074	1471.539
SS	393	1.460	135°02'33"	88°27'17"	346.594	SS	0.000	0.000	5487139.473	658620.182	1470.818
SS	394	1.460	137°22'01"	88°18'47"	340.408	SS	0.000	0.000	5487134.312	658606.833	1471.492
SS	395	1.460	140°01'26"	88°09'38"	338.755	SS	0.000	0.000	5487126.719	658591.818	1472.281
SS	396	1.460	142°10'51"	88°05'21"	333.337	SS	0.000	0.000	5487121.471	658579.553	1472.586
SS	397	1.463	144°21'38"	88°03'01"	330.463	SS	0.000	0.000	5487116.233	658567.817	1472.714
SS	398	1.460	147°00'50"	87°55'10"	329.463	SS	0.000	0.000	5487108.472	658554.827	1473.432
SS	399	1.460	149°30'39"	87°51'47"	327.892	SS	0.000	0.000	5487102.288	658541.822	1473.698
SS	400	1.460	151°43'12"	87°38'45"	326.474	SS	0.000	0.000	5487097.380	658529.921	1474.882
SS	401	1.460	153°03'12"	87°44'34"	313.973	SS	0.000	0.000	5487104.977	658517.344	1473.837
SS	402	1.460	152°57'08"	88°02'24"	286.927	SS	0.000	0.000	5487120.348	658510.318	1471.627
SS	403	1.460	150°27'26"	88°17'27"	298.250	SS	0.000	0.000	5487126.286	658522.888	1470.367
SS	404	1.460	147°39'10"	88°33'32"	300.272	SS	0.000	0.000	5487131.048	658535.993	1469.023
SS	405	1.460	144°29'57"	88°47'00"	303.532	SS	0.000	0.000	5487137.593	658551.800	1467.918
SS	406	1.460	141°57'38"	88°58'31"	306.239	SS	0.000	0.000	5487143.501	658554.858	1466.948
SS	407	1.460	139°29'48"	89°06'13"	308.623	SS	0.000	0.000	5487149.245	658576.447	1466.315
SS	408	1.460	136°59'25"	89°15'30"	313.738	SS	0.000	0.000	5487155.246	658589.364	1465.532
SS	409	1.460	136°33'08"	89°39'36"	305.292	SS	0.000	0.000	5487163.006	658585.318	1463.283
SS	410	1.488	138°32'38"	89°40'51"	297.023	SS	0.000	0.000	5487162.040	658572.814	1463.128
SS	411	1.460	141°02'39"	89°46'56"	287.032	SS	0.000	0.000	5487151.441	658555.888	1462.562
SS	412	1.460	143°07'18"	89°49'07"	280.230	SS	0.000	0.000	5487150.486	658543.544	1462.358
SS	413	1.460	145°45'18"	89°42'27"	276.803	SS	0.000	0.000	5487155.833	658531.140	1462.884
SS	414	1.460	148°19'28"	89°34'14"	209.751	SS	0.000	0.000	5487165.083	658517.817	1463.498
SS	415	1.460	151°16'32"	89°22'20"	264.294	SS	0.000	0.000	5487152.888	658502.885	1464.367
SS	416	1.460	154°05'14"	89°06'34"	262.168	SS	0.000	0.000	5487148.863	658489.928	1465.546
SS	417	1.460	156°59'48"	88°45'18"	259.735	SS	0.000	0.000	5487145.619	658476.851	1467.115
SS	418	1.460	159°40'42"	88°31'05"	257.789	SS	0.000	0.000	5487142.981	658464.872	1468.138
SS	419	1.460	160°48'16"	89°18'36"	238.596	SS	0.000	0.000	5487159.330	658455.817	1464.345
SS	420	1.460	157°28'22"	89°38'17"	239.276	SS	0.000	0.000	5487163.630	658467.044	1462.983

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	421	1.460	154°08'55"	90°00'19"	242.400	SS	0.000	0.000	5487166.502	658481.070	1461.449
SS	422	1.460	150°24'16"	90°15'21"	247.560	SS	0.000	0.000	5487169.385	658497.636	1460.366
SS	423	1.460	147°09'46"	90°32'49"	251.585	SS	0.000	0.000	5487173.269	658511.791	1459.070
SS	424	1.460	144°13'44"	90°36'02"	256.408	SS	0.000	0.000	5487176.617	658525.249	1458.784
SS	425	1.460	141°09'58"	90°54'31"	261.532	SS	0.000	0.000	5487180.945	658539.351	1457.324
SS	426	1.460	138°11'15"	91°03'42"	269.855	SS	0.000	0.000	5487183.548	658555.254	1456.471
SS	427	1.460	135°22'09"	91°09'07"	278.822	SS	0.000	0.000	5487198.265	658571.221	1455.866
SS	428	1.460	132°16'21"	91°16'14"	289.560	SS	0.000	0.000	5487180.918	658589.583	1455.051
SS	429	1.460	130°48'49"	92°05'47"	281.050	SS	0.000	0.000	5487201.073	658587.941	1451.190
SS	430	1.460	132°06'35"	92°18'32"	270.879	SS	0.000	0.000	5487203.153	658576.169	1450.558
SS	431	1.460	134°38'53"	92°21'02"	260.162	SS	0.000	0.000	5487201.969	658500.302	1450.801
SS	432	1.460	137°12'08"	92°16'51"	251.218	SS	0.000	0.000	5487208.458	658535.918	1451.479
SS	433	1.460	139°33'08"	92°10'36"	243.549	SS	0.000	0.000	5487199.438	658533.263	1452.221
SS	434	1.460	142°22'09"	92°02'49"	237.496	SS	0.000	0.000	5487198.677	658520.289	1452.988
SS	435	1.460	145°04'48"	92°07'06"	228.982	SS	0.000	0.000	5487197.019	658500.361	1452.981
SS	436	1.460	148°04'33"	92°07'30"	220.613	SS	0.000	0.000	5487187.528	658491.983	1453.251
SS	437	1.460	151°26'14"	92°04'34"	214.800	SS	0.000	0.000	5487196.111	658478.002	1453.690
SS	438	1.460	154°52'05"	91°56'08"	208.872	SS	0.000	0.000	5487193.654	658464.032	1454.417
SS	439	1.460	158°52'54"	91°45'56"	205.627	SS	0.000	0.000	5487192.919	658449.429	1455.136
SS	440	1.460	163°02'48"	91°20'53"	205.473	SS	0.000	0.000	5487188.155	658435.274	1456.637
SS	441	1.460	167°30'00"	91°02'58"	205.667	SS	0.000	0.000	5487183.886	658419.881	1457.704
SS	442	1.460	171°12'08"	90°54'41"	206.714	SS	0.000	0.000	5487180.389	658406.986	1458.183
SS	443	1.460	174°09'32"	90°25'59"	213.407	SS	0.000	0.000	5487172.351	658397.902	1459.856
SS	444	1.460	176°55'42"	99°56'06"	220.355	SS	0.000	0.000	5487184.606	658387.183	1461.721
SS	445	1.460	178°29'33"	89°31'10"	224.734	SS	0.000	0.000	5487159.996	658381.286	1463.356
SS	446	1.460	193°58'42"	91°48'00"	197.611	SS	0.000	0.000	5487192.980	658327.864	1455.264
SS	447	1.460	189°39'16"	91°57'05"	193.588	SS	0.000	0.000	5487198.908	658342.993	1454.879
SS	448	1.460	184°58'10"	92°02'53"	190.753	SS	0.000	0.000	5487184.730	658398.863	1454.651
SS	449	1.460	180°23'18"	92°20'08"	187.658	SS	0.000	0.000	5487197.147	658374.103	1453.824
SS	450	1.460	175°58'14"	92°16'15"	186.541	SS	0.000	0.000	5487198.711	658388.472	1454.080
SS	451	1.460	171°10'05"	92°17'20"	187.589	SS	0.000	0.000	5487192.427	658404.193	1453.979
SS	452	1.460	166°01'47"	92°27'37"	189.267	SS	0.000	0.000	5487202.114	658420.783	1453.390
SS	453	1.460	161°50'07"	92°29'19"	191.347	SS	0.000	0.000	5487203.004	658434.970	1453.163

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	454	1.460	157°36'23"	92°39'43"	195.057	SS	0.000	0.000	5487204.492	658449.604	1452.412
SS	455	1.460	153°51'21"	92°50'31"	199.155	SS	0.000	0.000	5487206.085	658463.020	1451.597
SS	456	1.460	149°49'47"	93°02'22"	204.154	SS	0.000	0.000	5487208.395	658477.831	1450.646
SS	457	1.460	146°08'02"	93°14'45"	209.936	SS	0.000	0.000	5487210.606	658492.174	1449.585
SS	458	1.460	142°46'52"	93°20'40"	216.007	SS	0.000	0.000	5487212.924	658505.806	1448.870
SS	459	1.460	139°30'08"	93°26'16"	221.864	SS	0.000	0.000	5487216.237	658519.199	1448.167
SS	460	1.460	136°39'47"	93°24'01"	230.804	SS	0.000	0.000	5487217.069	658533.498	1447.782
SS	461	1.460	134°01'43"	93°31'16"	238.738	SS	0.000	0.000	5487219.031	658546.706	1446.809
SS	462	1.460	131°04'29"	93°32'21"	250.190	SS	0.000	0.000	5487220.572	658563.623	1446.027
SS	463	1.460	129°01'18"	93°22'39"	260.534	SS	0.000	0.000	5487220.893	658577.433	1446.122
SS	464	1.460	126°29'05"	93°19'31"	275.772	SS	0.000	0.000	5487220.944	658590.726	1445.475
SS	465	1.460	121°16'05"	94°46'07"	269.144	SS	0.000	0.000	5487245.430	658604.828	1439.097
SS	466	1.460	121°34'41"	95°18'29"	252.851	SS	0.000	0.000	5487252.804	658589.861	1438.080
SS	467	1.460	123°10'04"	95°27'52"	240.647	SS	0.000	0.000	5487253.586	658575.898	1438.558
SS	468	1.460	125°07'06"	95°42'58"	227.419	SS	0.000	0.000	5487254.467	658590.488	1438.820
SS	469	1.460	127°38'28"	96°05'24"	211.880	SS	0.680	0.000	5487265.978	658542.206	1438.999
SS	470	1.460	129°15'52"	96°31'00"	199.484	SS	0.000	0.000	5487259.207	658528.823	1438.831
SS	471	1.460	133°26'20"	96°22'05"	189.915	SS	0.600	0.000	5487254.868	658512.422	1440.407
SS	472	1.460	136°54'36"	96°18'54"	177.351	SS	0.800	0.000	5487255.914	658496.798	1441.964
SS	473	1.460	140°29'12"	96°13'55"	165.898	SS	0.600	0.000	5487267.414	658480.306	1443.489
SS	474	1.460	144°22'06"	96°18'01"	153.691	SS	0.000	0.000	5487260.482	658464.369	1444.605
SS	475	1.460	149°21'28"	96°32'34"	144.833	SS	0.600	0.000	5487266.846	658448.711	1444.968
SS	476	1.460	155°47'26"	96°40'15"	134.257	SS	0.000	0.000	5487258.024	658430.086	1445.875
SS	477	1.460	162°48'07"	96°31'06"	130.892	SS	0.000	0.000	5487260.413	658413.826	1446.612
SS	478	1.460	171°10'09"	96°00'13"	128.635	SS	0.000	0.000	5487258.232	658395.013	1448.017
SS	479	1.460	178°28'28"	95°17'59"	128.956	SS	0.000	0.000	5487256.285	658378.192	1449.560
SS	480	1.460	184°52'21"	94°55'02"	133.906	SS	0.000	0.000	5487251.713	658364.043	1449.993
SS	481	1.460	190°10'47"	94°29'52"	141.703	SS	0.000	0.000	5487265.602	658390.407	1450.399
SS	482	1.460	194°42'22"	94°03'22"	152.981	SS	0.000	0.000	5487237.046	658336.635	1450.650
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	2		42°13'28"	1.490								
Note	--Orientation Notes											
Note	-- Observed Values: HA 42°13'28" VA 93°25'25" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1434.783m											
Note	-- BS Elevation Error: 3.283m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	483	1.460	317°46'14"	99°15'13"	146.920	ROADG	0.000	0.000	5487225.372	658391.040	1450.905	
SS	484	1.460	323°58'53"	100°04'37"	147.046	ROADG	0.000	0.000	5487235.100	658403.364	1448.801	
SS	485	1.460	330°18'31"	100°25'04"	150.341	ROADG	0.000	0.000	5487246.449	658415.259	1447.345	
SS	486	1.460	336°27'26"	100°35'39"	155.498	ROADG	0.000	0.000	5487258.125	658427.447	1445.941	
SS	487	1.460	341°17'05"	100°39'53"	160.573	ROADG	0.000	0.000	5487267.456	658437.868	1444.814	
SS	488	1.460	347°17'58"	100°28'30"	168.509	ROADG	0.000	0.000	5487279.646	658452.070	1443.894	
SS	489	1.460	352°23'57"	100°20'26"	176.679	ROADG	0.000	0.000	5487290.282	658465.510	1442.816	
SS	490	1.460	357°18'12"	100°21'36"	184.404	ROADG	0.000	0.000	5487299.197	658479.966	1441.368	
SS	491	1.460	2°09'23"	100°22'53"	191.933	ROADG	0.000	0.000	5487306.657	658495.604	1439.944	
SS	492	1.460	6°39'49"	100°33'09"	199.777	ROADG	0.000	0.000	5487313.071	658511.290	1437.944	
SS	493	1.460	10°38'34"	100°45'54"	208.470	ROADG	0.000	0.000	5487319.278	658526.324	1435.592	
SS	494	1.460	14°28'03"	100°49'13"	218.718	ROADG	0.000	0.000	5487326.017	658542.171	1433.470	
SS	495	1.460	17°44'48"	100°47'24"	230.283	ROADG	0.000	0.000	5487333.447	658557.451	1431.419	
SS	496	1.460	20°27'18"	100°41'54"	243.104	ROADG	0.000	0.000	5487341.816	658571.981	1429.401	
SS	497	1.460	22°57'10"	100°30'20"	256.655	ROADG	0.000	0.000	5487350.373	658586.911	1427.734	
SS	498	1.460	24°28'50"	100°11'48"	271.894	ROADG	0.000	0.000	5487361.543	658599.389	1426.397	
SS	499	1.460	25°57'50"	99°54'54"	286.168	ROADG	0.000	0.000	5487371.442	658611.914	1425.256	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	2		42°13'28"	1.490								

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 93°25'27" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.776m										
Note	-- BS Elevation Error: 3.276m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	500	1.460	27°00'42"	99°39'48"	298.494	ROADG	0.000	0.000	5487380.159	658622.144	1424.425
SS	501	1.460	28°00'17"	99°23'05"	311.996	ROADG	0.000	0.000	5487389.777	658633.035	1423.655
SS	502	1.460	29°08'30"	99°16'51"	323.372	ROADG	0.000	0.000	5487396.741	658643.911	1422.379
SS	503	1.460	30°19'22"	99°04'43"	334.974	ROADG	0.000	0.000	5487403.525	658655.500	1421.675
SS	504	1.460	31°30'44"	98°55'26"	346.504	ROADG	0.000	0.000	5487409.829	658667.419	1420.779
SS	505	1.460	32°32'18"	98°47'23"	358.347	ROADG	0.000	0.000	5487416.550	658678.978	1419.771
SS	506	1.460	33°47'47"	98°39'45"	369.180	ROADG	0.000	0.000	5487421.296	658691.511	1418.926
SS	507	1.460	35°07'04"	98°29'03"	379.324	ROADG	0.000	0.000	5487424.880	658704.321	1418.566
SS	508	1.460	36°36'12"	98°27'50"	389.983	ROADG	0.000	0.000	5487427.661	658718.503	1417.130
SS	509	1.460	38°09'18"	98°22'17"	402.606	ROADG	0.000	0.000	5487431.213	658734.576	1415.915
SS	510	1.460	39°22'23"	98°10'54"	412.993	ROADG	0.000	0.000	5487484.008	658747.823	1415.788
SS	511	1.460	40°39'09"	97°56'07"	424.301	ROADG	0.000	0.000	5487486.824	658762.272	1415.956
SS	512	1.460	42°07'18"	97°44'50"	436.117	ROADG	0.000	0.000	5487438.525	658778.332	1415.740
SS	513	1.460	43°27'51"	97°37'16"	450.315	ROADG	0.000	0.000	5487441.953	658795.535	1414.809
SS	514	1.460	44°22'50"	97°27'31"	462.250	ROADG	0.000	0.000	5487485.580	658809.073	1414.528
SS	515	1.460	45°36'34"	97°13'14"	477.524	ROADG	0.000	0.000	5487449.401	658827.027	1414.519
SS	516	1.460	46°27'50"	97°00'24"	488.892	ROADG	0.000	0.000	5487452.239	658840.270	1414.893
SS	517	1.460	47°07'38"	96°41'59"	503.824	ROADG	0.000	0.000	5487458.451	658855.211	1415.751
SS	518	1.460	47°29'34"	96°26'35"	517.784	ROADG	0.000	0.000	5487485.648	658887.760	1416.427
SS	519	1.460	47°38'28"	96°13'53"	533.110	ROADG	0.600	0.000	5487475.077	658880.162	1416.664
SS	520	1.460	47°54'53"	95°59'46"	548.902	ROADG	0.000	0.000	5487483.881	658893.638	1417.191
SS	521	1.460	48°10'15"	95°47'07"	564.293	ROADG	0.000	0.000	5487492.417	658906.634	1417.649
SS	522	1.460	48°46'16"	95°39'22"	579.381	ROADG	0.000	0.000	5487487.993	658922.121	1417.428
SS	523	1.460	49°35'52"	95°39'25"	592.807	ROADG	0.000	0.000	5487506.356	658937.732	1416.096
Note	--FieldGenius v4.2.0 (2009-12-09)										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	2		42°13'28"	1.490							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'28" VA 93°25'57" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.679m										
Note	-- BS Elevation Error: 3.179m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	524	1.460	50°21'40"	95°37'24"	605.447	ROADG	0.000	0.000	5487502.384	658952.499	1415.203
SS	525	1.460	51°01'08"	95°37'40"	620.705	ROADG	0.000	0.000	5487506.581	658968.682	1413.660
SS	526	1.460	51°05'31"	95°38'10"	612.880	ROADG	0.000	0.000	5487501.072	658963.110	1414.339
SS	527	1.460	50°25'10"	95°40'56"	598.787	ROADG	0.000	0.000	5487497.650	658947.735	1415.243
SS	528	1.460	49°39'18"	95°42'45"	585.647	ROADG	0.000	0.000	5487495.259	658932.640	1416.237
SS	529	1.460	48°56'08"	95°42'57"	573.021	ROADG	0.000	0.000	5487492.550	658918.393	1417.460
SS	530	1.460	48°26'27"	95°52'42"	558.055	ROADG	0.000	0.000	5487486.263	658903.881	1417.376
SS	531	1.460	48°16'01"	96°06'33"	542.922	ROADG	0.000	0.000	5487477.350	658891.357	1416.751
SS	532	1.460	48°03'24"	96°18'05"	528.180	ROADG	0.000	0.000	5487468.900	658878.990	1416.558
SS	533	1.460	47°48'28"	96°30'59"	512.756	ROADG	0.000	0.000	5487480.152	658865.944	1416.339
SS	534	1.460	47°20'15"	96°50'39"	497.344	ROADG	0.000	0.000	5487452.637	658851.620	1415.262
SS	535	1.460	46°35'08"	97°07'53"	482.180	ROADG	0.000	0.000	5487448.828	658836.043	1414.670
SS	536	1.460	45°32'42"	97°22'04"	469.029	ROADG	0.000	0.000	5487443.772	658820.528	1414.383
SS	537	1.460	44°27'59"	97°35'15"	455.361	ROADG	0.000	0.000	5487440.128	658804.683	1414.404
SS	538	1.460	42°49'43"	97°46'19"	436.022	ROADG	0.000	0.000	5487434.837	658782.188	1415.566
SS	539	1.460	41°20'08"	97°55'36"	424.618	ROADG	0.000	0.000	5487438.781	658766.267	1415.975
SS	540	1.460	39°56'39"	98°12'02"	412.914	ROADG	0.000	0.000	5487431.332	658750.897	1415.633
SS	541	1.460	38°36'41"	98°22'55"	402.435	ROADG	0.000	0.000	5487429.102	658736.951	1415.867
SS	542	1.460	37°22'01"	98°29'35"	392.060	ROADG	0.000	0.000	5487426.178	658723.688	1416.627
SS	543	1.460	35°58'21"	98°31'26"	379.749	ROADG	0.000	0.000	5487421.936	658709.099	1418.243
SS	544	1.460	34°29'57"	98°40'57"	367.653	ROADG	0.000	0.000	5487417.523	658694.350	1419.030

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	545	1.460	33°36'46"	98°48'02"	359.356	ROADG	0.000	0.000	5487413.748	658685.089	1419.550
SS	546	1.460	32°17'09"	98°56'47"	346.233	ROADG	0.000	0.000	5487407.142	658671.188	1420.687
SS	547	1.460	30°51'06"	99°08'23"	334.111	ROADG	0.000	0.000	5487401.192	658657.663	1421.459
SS	548	1.460	29°33'37"	99°22'34"	319.997	ROADG	0.000	0.000	5487392.627	658644.258	1422.398
SS	549	1.460	28°15'23"	99°32'06"	305.679	ROADG	0.000	0.000	5487383.534	658631.215	1423.894
SS	550	1.460	27°01'55"	99°49'59"	291.813	ROADG	0.000	0.000	5487374.114	658619.177	1424.695
SS	551	1.460	25°35'02"	100°06'51"	277.513	ROADG	0.600	0.000	5487364.414	658606.477	1425.796
SS	552	1.460	24°09'41"	100°24'32"	263.538	ROADG	0.000	0.000	5487354.494	658594.590	1426.910
SS	553	1.460	22°32'31"	100°40'56"	251.094	ROADG	0.000	0.000	5487345.891	658583.091	1427.987
SS	554	1.460	20°16'27"	100°47'01"	238.482	ROADG	0.000	0.000	5487337.756	658569.678	1429.910
SS	555	1.460	17°41'32"	100°51'53"	226.419	ROADG	0.000	0.000	5487329.844	658556.628	1431.882
SS	556	1.460	14°42'57"	100°54'02"	216.349	ROADG	0.000	0.000	5487320.476	658542.460	1433.617
SS	557	1.460	10°58'34"	100°52'21"	206.275	ROADG	0.000	0.000	5487316.866	658527.070	1435.622
SS	558	1.460	7°28'46"	100°42'40"	198.397	ROADG	0.000	0.000	5487311.282	658513.876	1437.656
SS	559	1.460	2°58'19"	100°33'53"	189.801	ROADG	0.000	0.000	5487304.332	658498.174	1439.731
SS	560	1.460	358°20'49"	100°30'10"	181.917	ROADG	0.600	0.000	5487296.795	658483.540	1441.370
SS	561	1.460	353°34'34"	100°30'10"	174.519	ROADG	0.000	0.000	5487288.518	658469.301	1442.718
SS	562	1.460	348°16'30"	100°41'38"	166.015	ROADG	0.000	0.000	5487277.728	658455.349	1443.724
SS	563	1.460	341°37'12"	100°55'45"	157.217	ROADG	0.000	0.000	5487364.491	658436.628	1444.722
SS	564	1.460	335°40'18"	100°49'36"	150.730	ROADG	0.000	0.000	5487252.900	658427.510	1446.217
SS	565	1.460	329°20'31"	100°38'45"	146.054	ROADG	0.000	0.000	5487241.477	658415.307	1447.548
SS	566	1.460	322°35'20"	100°09'23"	142.814	ROADG	0.000	0.000	5487229.659	658403.096	1449.347
SS	567	1.460	319°34'40"	99°36'35"	142.114	ROADG	0.000	0.000	5487234.672	658397.644	1450.806
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
195	85		155°47'29"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 155°47'29" VA 88°13'25" HR 1.460m										
Note	-- Observed Reference: Point										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- BS Elevation: 1470.263m										
Note	-- BS Elevation Error: -1.558m										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
195	85		155°47'29"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 155°47'29" VA 88°13'27" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.260m										
Note	-- BS Elevation Error: -1.561m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	568	1.460	227°29'42"	91°54'34"	223.886	HUB	0.000	0.000	5487233.459	658210.413	1453.991
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
568	195		47°29'42"	1.600							
Note	--Orientation Notes										
Note	-- Observed Values: HA 47°29'42" VA 88°32'11" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1459.849m										
Note	-- BS Elevation Error: -1.453m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	569	1.460	275°53'38"	92°26'35"	169.457	HUB	0.000	0.000	5487250.844	658042.005	1446.908
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
569	568		95°53'38"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 95°53'38" VA 87°40'04" HR 1.460m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1453.953m										
Note	-- BS Elevation Error: -0.038m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
569	568		95°53'38"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 95°53'38" VA 87°39'20" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1453.989m										
Note	-- BS Elevation Error: -0.002m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	570	1.460	165°00'48"	87°52'26"	99.478	HUB	0.000	0.000	5487154.816	658067.712	1450.749
SS	571	1.460	200°41'39"	87°51'32"	228.566	HUB	0.000	0.000	5487037.174	657961.291	1455.597
SS	572	1.460	218°55'08"	89°18'54"	289.066	HUB	0.000	0.000	5487025.956	657860.421	1450.514
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
81	85		203°35'41"	1.070							
Note	--Orientation Notes										
Note	-- Observed Values: HA 203°35'41" VA 86°52'42" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.077m										
Note	-- BS Elevation Error: -1.745m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	573	1.460	186°03'50"	86°09'58"	415.671	SS	0.000	0.000	5487128.535	658629.531	1473.146
SS	574	1.460	184°12'57"	86°08'45"	411.622	SS	0.000	0.000	5487131.375	658643.152	1473.020
SS	575	1.460	182°10'51"	86°10'58"	409.151	SS	0.000	0.000	5487133.007	658657.808	1472.591
SS	576	1.460	180°01'54"	86°19'43"	407.492	SS	0.000	0.000	5487134.299	658673.118	1471.446
SS	577	1.460	178°04'22"	86°34'44"	406.433	SS	0.000	0.000	5487135.476	658686.987	1469.606
SS	578	1.460	176°12'48"	86°42'04"	410.009	SS	0.000	0.000	5487133.518	658700.376	1468.946
SS	579	1.460	171°38'29"	86°58'02"	415.878	SS	0.000	0.000	5487130.070	658733.714	1467.355
SS	580	1.460	170°11'23"	87°00'55"	418.434	SS	0.000	0.000	5487129.199	658744.642	1467.140
SS	581	1.460	168°26'25"	87°13'00"	418.946	SS	0.900	0.000	5487180.991	658757.196	1465.698
SS	582	1.460	166°45'32"	87°29'24"	418.620	SS	0.000	0.000	5487133.855	658769.136	1463.685
SS	583	1.460	165°28'02"	87°41'31"	417.830	SS	0.000	0.000	5487136.821	658778.108	1462.179
SS	584	1.460	164°08'43"	87°50'43"	418.585	SS	0.000	0.000	5487188.579	658787.619	1461.090
SS	585	1.460	162°48'50"	87°57'46"	415.433	SS	0.088	0.000	5487144.321	658796.616	1460.121
SS	586	1.460	161°04'12"	88°08'53"	414.235	SS	0.000	0.000	5487149.328	658807.656	1458.739
SS	587	1.460	159°26'20"	88°23'29"	412.981	SS	0.000	0.000	5487154.434	658818.327	1456.946
SS	588	1.460	157°33'03"	88°43'13"	410.078	SS	0.000	0.000	5487162.047	658829.808	1454.511
SS	589	1.460	156°26'49"	88°56'12"	407.601	SS	0.000	0.000	5487167.375	658836.192	1452.916
SS	590	1.460	160°01'53"	88°21'22"	399.916	SS	0.000	0.000	5487165.237	658809.860	1456.825
SS	591	1.460	161°56'04"	88°13'48"	394.678	SS	0.000	0.000	5487188.913	658795.876	1457.543
SS	592	1.460	164°18'58"	88°07'31"	387.719	SS	0.000	0.000	5487167.872	658778.108	1458.036
SS	593	1.460	166°24'18"	88°13'54"	384.534	SS	0.000	0.000	5487167.373	658763.696	1457.218
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
SS	594	1.460	324°52'50"	88°04'19"	384.176	SS	0.000	0.000	5487372.030	658407.833	1456.428
SS	595	1.460	327°12'01"	87°56'26"	380.445	SS	0.000	0.000	5487348.206	658376.383	1456.073
SS	596	1.460	329°02'43"	87°38'45"	384.594	SS	0.000	0.000	5487370.352	658417.639	1454.927
SS	597	1.466	331°44'35"	87°28'30"	380.969	SS	0.000	0.000	5487381.636	658436.135	1453.298
SS	598	1.460	334°03'45"	87°11'49"	379.677	SS	0.000	0.000	5487390.326	658449.404	1452.299

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	599	1.460	335°59'22"	87°04'43"	378.043	SS	0.000	0.000	5487397.514	658462.030	1451.265
SS	600	1.460	338°15'21"	87°05'44"	375.946	SS	0.000	0.000	5487167.037	658754.671	1457.529
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: None										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: None										
Delete Pt Nu											
594											
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600											
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
3	1		219°13'20"	1.340							
Note	--Orientation Notes										
Note	-- Observed Values: HA 219°13'20" VA 86°56'53" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1473.037m										
Note	-- BS Elevation Error: -1.463m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	600	1.460	194°15'57"	87°51'13"	415.516	SS	0.000	0.000	5487167.037	658754.671	1457.529
SS	601	1.460	196°11'04"	87°45'54"	419.259	SS	0.000	0.000	5487167.120	658740.220	1458.317
SS	602	1.460	197°39'04"	87°31'48"	427.968	SS	0.000	0.000	5487162.016	658727.343	1460.411
SS	603	1.460	199°33'27"	87°20'22"	437.181	SS	0.000	0.000	5487157.943	658710.801	1462.260
SS	604	1.460	201°29'05"	87°12'13"	439.491	SS	0.000	0.000	5487160.991	658696.217	1463.408
SS	605	1.460	203°20'29"	87°08'54"	442.189	SS	0.000	0.000	5487163.959	658682.009	1463.966

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	606	1.460	205°19'02"	87°09'34"	446.279	SS	0.000	0.000	5487166.537	658666.383	1464.083
SS	607	1.460	207°22'29"	87°14'05"	451.485	SS	0.000	0.000	5487168.997	658649.636	1463.748
SS	608	1.460	208°57'09"	87°12'37"	458.046	SS	0.000	0.000	5487169.132	658635.521	1464.260
SS	609	1.460	210°29'04"	87°23'37"	464.358	SS	0.000	0.000	5487169.702	658621.664	1463.083
SS	610	1.460	211°54'32"	87°32'23"	472.094	SS	0.000	0.000	5487169.070	658607.586	1462.233
SS	611	1.460	212°40'56"	87°52'37"	485.626	SS	0.000	0.000	5487177.818	658605.735	1459.216
SS	612	1.460	211°52'34"	88°05'37"	452.767	SS	0.000	0.000	5487185.184	658618.024	1457.029
SS	613	1.460	210°27'09"	88°03'11"	444.549	SS	0.000	0.000	5487186.454	658631.813	1457.070
SS	614	1.460	209°03'25"	88°05'41"	437.304	SS	0.000	0.000	5487187.404	658644.719	1456.506
SS	615	1.460	207°21'48"	88°05'10"	429.046	SS	0.000	0.000	5487188.630	658659.898	1456.296
SS	616	1.460	205°17'15"	88°06'04"	420.133	SS	0.000	0.000	5487189.791	658677.026	1455.888
SS	617	1.460	203°41'48"	88°12'23"	413.041	SS	0.000	0.000	5487191.427	658691.873	1454.895
SS	618	1.460	202°02'18"	88°22'33"	405.416	SS	0.000	0.000	5487192.888	658704.554	1453.486
SS	619	1.460	199°50'13"	88°19'12"	401.685	SS	0.000	0.000	5487191.769	658720.740	1453.743
SS	620	1.460	197°51'35"	88°22'15"	397.261	SS	0.000	0.000	5487191.492	658735.206	1453.261
SS	621	1.460	195°41'17"	88°30'35"	392.140	SS	0.000	0.000	5487192.052	658750.898	1452.165
SS	622	1.460	193°28'15"	88°38'19"	387.494	SS	0.000	0.000	5487192.730	658766.749	1451.173
SS	623	1.460	191°25'39"	88°34'54"	384.825	SS	0.000	0.000	5487192.376	658780.770	1451.492
SS	624	1.460	189°25'51"	88°32'36"	382.359	SS	0.000	0.000	5487192.387	658794.055	1451.687
SS	625	1.460	187°17'49"	88°32'43"	380.488	SS	0.000	0.000	5487192.172	658808.888	1451.625
SS	626	1.460	185°01'27"	88°45'07"	377.173	SS	0.000	0.000	5487193.822	658823.967	1450.182
SS	627	1.460	185°47'01"	89°09'35"	367.449	SS	0.000	0.000	5487203.918	658819.366	1447.355
SS	628	1.460	188°02'29"	89°10'41"	368.762	SS	0.000	0.000	5487204.358	658806.411	1447.257
SS	629	1.460	190°28'49"	89°12'58"	371.355	SS	0.000	0.000	5487204.331	658789.449	1447.051
SS	630	1.460	192°51'06"	89°09'54"	373.973	SS	0.000	0.000	5487204.891	658773.818	1447.417
SS	631	1.460	195°03'57"	89°06'50"	376.396	SS	0.000	0.000	5487206.039	658759.177	1447.788
SS	632	1.460	197°24'25"	89°13'21"	376.742	SS	0.000	0.000	5487210.001	658744.206	1447.079
SS	633	1.460	199°49'43"	89°13'38"	379.728	SS	0.800	0.000	5487212.275	658728.198	1447.085
SS	634	1.460	202°05'36"	89°18'35"	382.553	SS	0.000	0.000	5487215.019	658713.117	1446.575
SS	635	1.460	204°07'35"	89°28'14"	386.881	SS	0.000	0.000	5487216.386	658698.860	1445.542
SS	636	1.460	206°15'47"	89°28'29"	393.003	SS	0.000	0.000	5487217.037	658688.097	1445.579
SS	637	1.460	208°17'37"	89°33'18"	399.131	SS	0.800	0.000	5487218.020	658667.812	1445.067
SS	638	1.460	209°57'37"	89°28'44"	407.551	SS	0.000	0.000	5487216.381	658653.468	1445.673

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	639	1.460	211°36'47"	89°25'18"	415.712	SS	0.000	0.000	5487215.451	658639.094	1446.163
SS	640	1.460	213°08'16"	89°24'33"	423.408	SS	0.000	0.000	5487214.931	658625.545	1446.333
SS	641	1.460	214°35'14"	89°20'00"	430.035	SS	0.000	0.000	5487215.449	658612.894	1446.970
SS	642	1.460	217°52'06"	90°27'36"	408.813	SS	0.000	0.000	5487246.741	658606.049	1438.685
SS	643	1.460	216°31'40"	90°41'10"	397.852	SS	0.000	0.000	5487249.778	658620.201	1437.203
SS	644	1.480	214°55'28"	90°50'53"	386.823	SS	0.000	0.000	5487252.332	658635.560	1436.241
SS	645	1.460	213°16'28"	91°01'26"	376.021	SS	0.000	0.000	5487265.134	658650.720	1435.249
SS	646	1.460	211°33'48"	91°14'26"	365.867	SS	0.000	0.000	5487297.787	658665.629	1434.046
SS	647	1.460	209°50'58"	91°29'03"	355.612	SS	0.000	0.000	5487261.125	658680.054	1432.756
SS	648	1.460	207°49'26"	91°36'05"	346.385	SS	0.000	0.000	5487263.238	658695.377	1432.287
SS	649	1.460	205°39'09"	91°42'26"	338.861	SS	0.000	0.000	5487264.130	658710.359	1431.871
SS	650	1.460	203°27'02"	91°50'04"	332.502	SS	0.000	0.000	5487254.575	658724.737	1431.323
SS	651	1.460	201°25'26"	91°49'25"	329.061	SS	0.000	0.000	5487263.288	658736.867	1431.495
SS	652	1.460	199°08'17"	91°54'44"	322.997	SS	0.000	0.000	5487264.482	658751.197	1431.189
SS	653	1.460	196°41'52"	91°59'04"	318.348	SS	0.000	0.000	5487264.715	658766.577	1430.943
SS	654	1.460	194°13'27"	91°47'56"	320.750	SS	0.000	0.000	5487258.693	658778.216	1431.899
SS	655	1.460	192°00'39"	91°39'21"	323.147	SS	0.000	0.000	5487263.516	658789.772	1432.629
SS	656	1.460	189°38'35"	91°30'26"	326.426	SS	0.000	0.000	5487247.755	658802.330	1433.381
SS	657	1.460	187°22'38"	91°18'07"	330.502	SS	0.000	0.000	5487241.775	658814.353	1434.457
SS	658	1.460	185°00'33"	91°05'14"	334.577	SS	0.000	0.000	5487258.217	658827.782	1435.616
SS	659	1.460	182°39'15"	90°57'14"	338.429	SS	0.000	0.000	5487231.438	658841.321	1436.333
SS	660	1.460	180°41'44"	90°41'27"	345.896	SS	0.000	0.000	5487223.611	658852.792	1437.796
SS	661	1.460	178°08'47"	90°42'15"	353.466	SS	0.000	0.000	5487215.202	658868.426	1437.623
SS	662	1.460	176°16'01"	90°31'32"	363.212	SS	0.000	0.000	5487297.031	658880.638	1438.636
SS	663	1.460	175°01'05"	90°30'24"	365.973	SS	0.000	0.000	5487204.880	658888.771	1438.730
SS	664	1.460	174°04'59"	91°08'34"	353.791	SS	0.000	0.000	5487217.621	658893.455	1434.911
SS	665	1.460	176°16'29"	91°16'29"	344.883	SS	0.000	0.000	5487225.388	658879.393	1434.294
SS	666	1.460	178°27'37"	91°22'15"	337.938	SS	0.000	0.000	5487291.738	658866.669	1433.882
SS	667	1.460	180°16'14"	91°32'09"	331.258	SS	0.000	0.000	5487238.321	658855.427	1433.088
SS	668	1.460	182°42'59"	91°40'46"	327.884	SS	0.000	0.000	5487242.082	658841.458	1432.357
SS	669	1.460	185°13'01"	91°34'24"	327.198	SS	0.000	0.000	5487245.737	658827.251	1432.983
SS	670	1.460	187°56'49"	91°49'31"	321.905	SS	0.000	0.000	5487258.805	658812.638	1431.713
SS	671	1.460	188°05'02"	92°06'53"	317.391	SS	0.000	0.000	5487265.433	658812.389	1430.255

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	672	1.460	191°00'18"	92°10'05"	314.788	SS	0.000	0.000	5487260.678	658796.942	1430.058
SS	673	1.460	193°32'53"	92°12'16"	312.903	SS	0.000	0.000	5487265.486	658783.744	1429.931
SS	674	1.460	196°10'35"	92°08'17"	314.907	SS	0.000	0.000	5487267.228	658769.320	1430.218
SS	675	1.460	198°43'21"	92°10'11"	318.254	SS	0.000	0.000	5487268.260	658754.909	1429.918
SS	676	1.460	201°30'06"	92°18'03"	320.043	SS	0.000	0.000	5487271.927	658739.781	1429.118
SS	677	1.460	204°43'47"	92°18'19"	321.277	SS	0.000	0.000	5487277.879	658722.697	1429.044
SS	678	1.460	207°15'42"	92°29'16"	321.500	SS	0.000	0.000	5487280.937	658700.868	1428.012
SS	679	1.460	209°55'26"	92°29'39"	324.813	SS	0.000	0.000	5487288.211	658695.112	1427.832
SS	680	1.460	211°53'48"	92°18'16"	332.672	SS	0.000	0.000	5487297.245	658681.353	1428.590
SS	681	1.460	213°35'52"	92°07'36"	342.362	SS	0.000	0.000	5487284.485	658667.672	1429.262
SS	682	1.460	215°10'09"	91°53'26"	353.534	SS	0.000	0.000	5487280.616	658653.468	1430.303
SS	683	1.460	216°58'30"	91°39'52"	364.574	SS	0.000	0.000	5487278.322	658637.804	1431.377
SS	684	1.460	218°46'07"	91°31'16"	375.590	SS	0.000	0.000	5487276.720	658631.888	1431.997
SS	685	1.460	220°12'42"	91°21'01"	385.336	SS	0.000	0.000	5487275.271	658608.282	1432.886
SS	686	1.460	222°33'16"	91°05'42"	402.595	SS	0.000	0.000	5487272.945	658584.768	1434.273
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
3	1		219°13'20"	1.340							
Note	--Orientation Notes										
Note	-- Observed Values: HA 219°13'20" VA 86°52'33" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1473.774m										
Note	-- BS Elevation Error: -0.726m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mra Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	687	1.460	224°42'30"	90°52'46"	419.499	SS	0.000	0.000	5487271.355	658561.909	1435.528
SS	688	1.460	226°14'18"	90°44'02"	432.476	SS	0.000	0.000	5487270.355	658544.672	1436.427
SS	689	1.460	227°43'15"	90°42'38"	438.455	SS	0.000	0.000	5487274.512	658532.614	1436.529
SS	690	1.460	228°48'23"	90°34'11"	448.082	SS	0.000	0.000	5487274.362	658519.831	1437.511
SS	691	1.460	229°56'41"	90°21'20"	457.799	SS	0.000	0.000	5487274.857	658506.587	1439.126

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	692	1.460	231°24'35"	90°07'33"	464.913	SS	0.000	0.000	5487279.469	658493.603	1440.946
SS	693	1.460	233°03'46"	89°58'22"	470.930	SS	0.000	0.000	5487286.456	658480.579	1442.190
SS	694	1.460	234°45'59"	89°55'47"	474.234	SS	0.000	0.000	5487295.866	658469.634	1442.548
SS	695	1.460	236°24'06"	89°52'03"	476.404	SS	0.000	0.000	5487305.831	658460.177	1443.068
SS	696	1.460	235°20'24"	90°00'36"	460.503	SS	0.000	0.000	5487307.566	658478.208	1441.886
SS	697	1.460	234°23'57"	90°09'11"	449.632	SS	0.000	0.000	5487307.711	658491.400	1440.766
SS	698	1.460	232°55'14"	90°28'17"	435.571	SS	0.000	0.000	5487306.850	658500.504	1438.383
SS	699	1.460	232°05'39"	90°47'29"	423.698	SS	0.000	0.000	5487309.176	658522.716	1436.115
SS	700	1.460	231°03'36"	91°08'36"	411.500	SS	0.000	0.000	5487310.878	658536.988	1433.756
SS	701	1.460	230°08'14"	91°29'20"	399.229	SS	0.000	0.000	5487313.657	658550.654	1431.594
SS	702	1.460	229°05'28"	91°49'23"	384.869	SS	0.000	0.000	5487317.549	658566.278	1429.723
SS	703	1.460	225°41'18"	91°39'15"	388.181	SS	0.000	0.000	5487298.399	658579.346	1430.761
SS	704	1.460	224°09'54"	91°54'00"	376.561	SS	0.000	0.000	5487290.485	658594.775	1429.482
SS	705	1.460	222°40'14"	92°03'27"	366.847	SS	0.000	0.000	5487299.902	658608.509	1428.796
SS	706	1.460	220°53'48"	92°17'05"	355.592	SS	0.000	0.000	5487306.878	658624.378	1427.791
SS	707	1.460	219°04'18"	92°28'22"	345.918	SS	0.000	0.000	5487301.152	658639.168	1427.042
SS	708	1.460	216°57'01"	92°39'36"	335.509	SS	0.000	0.000	5487301.621	658656.527	1426.396
SS	709	1.460	215°02'39"	92°48'54"	327.495	SS	0.000	0.000	5487301.657	658669.167	1425.883
SS	710	1.460	213°07'03"	92°58'48"	319.138	SS	0.000	0.000	5487302.524	658682.868	1425.378
SS	711	1.460	210°54'18"	93°10'39"	309.171	SS	0.000	0.000	5487304.590	658698.448	1424.830
SS	712	1.460	208°32'53"	93°27'48"	299.954	SS	0.000	0.000	5487306.454	658713.906	1423.847
SS	713	1.460	206°21'03"	93°46'54"	290.759	SS	0.000	0.000	5487309.477	658728.213	1422.790
SS	714	1.460	203°37'33"	94°07'68"	280.625	SS	0.000	0.000	5487313.021	658744.819	1421.748
SS	715	1.460	201°09'08"	94°23'18"	272.493	SS	0.000	0.000	5487316.068	658798.951	1421.117
SS	716	1.460	198°09'07"	94°46'54"	269.198	SS	0.000	0.000	5487314.546	658773.417	1419.527
SS	717	1.460	194°48'02"	94°58'43"	267.249	SS	0.000	0.000	5487312.050	658788.978	1418.774
SS	718	1.460	191°33'39"	95°00'36"	270.563	SS	0.000	0.000	5487306.395	658802.978	1418.339
SS	719	1.460	187°42'12"	95°09'16"	270.617	SS	0.000	0.000	5487302.367	658820.868	1417.654
SS	720	1.460	184°32'53"	95°13'01"	270.178	SS	0.000	0.000	5487301.245	658835.858	1417.400
SS	721	1.460	182°03'03"	95°36'04"	271.716	SS	0.000	0.000	5487299.212	658847.314	1415.447
SS	722	1.460	178°25'41"	95°48'41"	273.657	SS	0.600	0.000	5487297.293	658864.468	1414.416
SS	723	1.460	175°30'52"	95°55'49"	278.902	SS	0.000	0.000	5487294.881	658878.831	1413.358
SS	724	1.460	173°00'34"	96°09'03"	278.807	SS	0.000	0.000	5487294.316	658890.728	1412.094

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	725	1.460	170°35'43"	96°09'32"	280.341	SS	0.000	0.000	5487294.480	658902.536	1411.890
SS	726	1.460	173°18'53"	93°46'48"	311.324	SS	0.000	0.000	5487260.922	658893.155	1421.442
SS	727	1.460	175°37'42"	93°37'25"	307.856	SS	0.000	0.000	5487263.110	658880.410	1422.510
SS	728	1.460	178°28'53"	93°30'11"	305.897	SS	0.000	0.000	5487264.238	658865.082	1423.276
SS	729	1.460	181°34'37"	93°17'15"	304.373	SS	0.000	0.000	5487265.699	658848.628	1424.512
SS	730	1.460	184°50'20"	93°06'53"	304.539	SS	0.000	0.000	5487266.451	658831.340	1425.419
SS	731	1.460	187°29'18"	92°55'45"	303.239	SS	0.000	0.000	5487260.196	658817.526	1426.471
SS	732	1.460	189°57'33"	93°08'24"	298.884	SS	0.000	0.000	5487275.519	658805.378	1425.595
SS	733	1.460	192°49'09"	93°19'24"	295.923	SS	0.000	0.000	5487281.395	658791.443	1424.812
SS	734	1.460	195°35'35"	93°16'11"	295.417	SS	0.000	0.000	5487285.376	658777.711	1425.117
SS	735	1.460	198°26'20"	93°24'32"	294.673	SS	0.990	0.000	5487260.406	658763.953	1424.445
SS	736	1.460	201°18'04"	93°28'35"	295.254	SS	0.000	0.000	5487294.880	658749.933	1424.063
SS	737	1.460	204°03'05"	93°24'09"	296.164	SS	0.000	0.000	5487269.483	658736.500	1424.389
SS	738	1.460	171°41'15"	97°55'40"	251.204	SS	0.000	0.000	5487323.267	658892.961	1407.319
SS	739	1.460	171°42'08"	98°21'58"	244.460	SS	0.000	0.000	5487330.130	658891.898	1406.388
SS	740	1.460	175°15'11"	98°11'06"	240.815	SS	0.000	0.000	5487331.913	658876.716	1407.682
SS	741	1.460	179°01'57"	98°00'25"	239.047	SS	0.000	0.000	5487333.774	658860.988	1408.669
SS	742	1.460	182°35'30"	97°44'05"	238.204	SS	0.000	0.000	5487333.661	658846.318	1409.908
SS	743	1.460	185°48'41"	97°31'57"	236.324	SS	0.000	0.000	5487330.377	658833.269	1410.987
SS	744	1.460	189°20'41"	97°11'21"	237.967	SS	0.000	0.000	5487336.494	658818.358	1412.185
SS	745	1.460	192°49'25"	96°47'28"	239.302	SS	0.000	0.000	5487337.761	658804.250	1413.669
SS	746	1.460	196°10'35"	96°28'02"	240.951	SS	0.000	0.000	5487339.518	658790.290	1414.827
SS	747	1.460	199°39'48"	96°02'47"	244.434	SS	0.000	0.000	5487340.556	658775.200	1416.229
SS	748	1.460	202°59'37"	95°35'12"	251.064	SS	0.600	0.000	5487339.438	658759.384	1417.525
SS	749	1.460	206°43'25"	95°11'22"	258.489	SS	0.000	0.000	5487339.525	658741.228	1418.587
SS	750	1.460	209°35'16"	94°54'20"	266.371	SS	0.000	0.000	5487338.669	658725.950	1419.188
SS	751	1.460	212°04'53"	94°38'38"	273.430	SS	0.600	0.000	5487338.542	658712.242	1419.829
SS	752	1.460	214°29'05"	94°27'18"	282.117	SS	0.600	0.000	5487337.617	658697.743	1420.053
SS	753	1.460	216°42'53"	94°12'53"	290.852	SS	0.000	0.000	5487336.934	658683.580	1420.591
SS	754	1.460	218°41'15"	93°56'33"	299.320	SS	0.000	0.000	5487336.371	658670.337	1421.387
SS	755	1.460	221°15'43"	93°48'37"	302.558	SS	0.600	0.000	5487342.525	658657.898	1421.861
SS	756	1.460	223°29'46"	93°41'17"	308.014	SS	0.000	0.000	5487346.480	658645.423	1422.154
SS	757	1.460	226°08'52"	93°34'42"	311.329	SS	0.000	0.000	5487354.188	658632.920	1422.536

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	758	1.460	228°45'30"	93°14'48"	316.584	SS	0.000	0.000	5487361.088	658619.322	1424.037
SS	759	1.460	228°14'14"	92°44'29"	343.939	SS	0.000	0.000	5487340.639	658600.737	1425.517
SS	760	1.460	229°27'33"	92°22'22"	354.734	SS	0.000	0.000	5487339.081	658587.644	1427.280
SS	761	1.460	230°41'04"	92°01'01"	363.765	SS	0.000	0.000	5487339.121	658575.732	1429.164
SS	762	1.460	232°39'06"	91°46'46"	368.834	SS	0.000	0.000	5487345.808	658563.823	1430.514
SS	763	1.460	229°03'14"	94°16'28"	272.971	SS	0.000	0.000	5487391.063	658651.382	1421.621
SS	764	1.460	226°48'23"	94°34'03"	264.004	SS	0.000	0.000	5487389.329	658665.131	1420.943
SS	765	1.460	224°46'48"	94°47'08"	259.746	SS	0.000	0.000	5487386.727	658674.867	1420.297
SS	766	1.460	222°37'07"	95°06'26"	255.203	SS	0.000	0.000	5487383.404	658684.875	1419.249
SS	767	1.460	219°32'48"	95°24'11"	248.048	SS	0.000	0.000	5487379.035	658699.759	1418.610
SS	768	1.460	216°50'07"	95°50'39"	242.327	SS	0.800	0.000	5487376.516	658712.407	1417.292
SS	769	1.460	214°06'06"	96°00'25"	238.466	SS	0.000	0.000	5487373.080	658724.823	1417.011
SS	770	1.460	210°09'00"	96°25'25"	231.745	SS	0.000	0.000	5487370.321	658741.324	1416.039
SS	771	1.460	207°12'49"	96°44'54"	227.373	SS	0.000	0.000	5487368.653	658753.731	1415.248
SS	772	1.460	203°44'37"	97°08'24"	221.989	SS	0.000	0.000	5487367.834	658768.801	1414.375
SS	773	1.460	199°44'35"	97°33'40"	217.909	SS	0.000	0.000	5487366.140	658784.821	1413.293
SS	774	1.460	194°56'59"	98°10'56"	215.285	SS	0.000	0.000	5487363.576	658802.019	1411.327
SS	775	1.460	191°29'06"	98°42'20"	213.701	SS	0.000	0.000	5487362.447	658814.931	1409.622
SS	776	1.460	187°36'39"	99°07'22"	214.125	SS	0.000	0.000	5487389.903	658828.990	1408.017
SS	777	1.460	183°32'46"	99°23'29"	216.132	SS	0.000	0.000	5487386.630	658843.882	1406.693
SS	778	1.460	179°56'21"	99°31'43"	217.604	SS	0.000	0.000	5487364.855	658857.219	1405.944
SS	779	1.460	176°05'36"	99°37'27"	219.339	SS	0.000	0.000	5487353.708	658871.724	1405.297
SS	780	1.460	172°17'24"	99°40'18"	222.826	SS	0.000	0.000	5487391.783	658886.480	1404.537
SS	781	1.460	170°11'56"	99°50'51"	223.379	SS	0.000	0.000	5487392.581	658894.456	1403.783
SS	782	1.460	172°23'41"	101°44'38"	194.126	SS	0.000	0.000	5487381.067	658882.145	1402.455
SS	783	1.460	175°20'33"	102°28'15"	185.061	SS	0.000	0.000	5487389.359	658871.663	1402.004
SS	784	1.460	179°44'14"	102°04'54"	181.946	SS	0.000	0.000	5487391.543	658857.807	1403.884
SS	785	1.460	183°57'10"	101°33'19"	180.628	SS	0.000	0.000	5487392.911	658844.792	1405.785
SS	786	1.460	188°31'07"	101°11'06"	181.130	SS	0.000	0.000	5487393.727	658830.669	1406.831
SS	787	1.460	193°09'19"	101°02'37"	181.076	SS	0.000	0.000	5487396.398	658816.543	1407.281
SS	788	1.460	202°41'45"	100°32'24"	177.641	SS	0.000	0.000	5487409.337	658789.807	1409.472
SS	789	1.460	207°03'43"	100°02'18"	175.705	SS	0.000	0.000	5487416.384	658778.277	1411.340
SS	790	1.460	211°06'14"	99°07'31"	179.332	SS	0.000	0.000	5487417.850	658765.522	1413.526

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	791	1.460	213°23'25"	98°40'38"	188.863	SS	0.000	0.000	5487413.572	658754.242	1413.473
SS	792	1.460	215°40'13"	98°04'53"	197.835	SS	0.000	0.000	5487410.334	658742.775	1414.155
SS	793	1.460	217°51'03"	97°17'14"	208.846	SS	0.000	0.000	5487405.882	658729.876	1415.476
SS	794	1.460	220°51'45"	96°37'56"	214.771	SS	0.000	0.000	5487408.116	658717.418	1417.162
SS	795	1.460	223°51'42"	96°09'06"	221.724	SS	0.000	0.000	5487410.511	658704.239	1418.207
SS	796	1.460	226°53'00"	95°43'43"	227.358	SS	0.000	0.000	5487414.837	658691.857	1419.273
SS	797	1.460	178°45'39"	103°12'06"	141.112	SS	0.600	0.000	5487462.106	658859.862	1409.740
SS	798	1.460	168°52'13"	103°08'05"	183.551	SS	0.000	0.000	5487394.070	658891.495	1400.256
SS	799	1.460	165°50'58"	102°59'09"	187.588	SS	0.000	0.000	5487392.213	658901.678	1399.814
SS	800	1.460	163°30'21"	103°04'00"	189.439	SS	0.000	0.000	5487392.516	658909.383	1399.137
SS	801	1.460	158°13'05"	103°06'54"	190.227	SS	0.000	0.000	5487397.419	658925.738	1398.803
SS	802	1.460	153°48'53"	103°02'40"	188.833	SS	0.000	0.000	5487400.005	658940.317	1398.217
SS	803	1.460	149°44'19"	103°17'42"	200.174	SS	0.000	0.000	5487401.193	658955.164	1395.934
SS	804	1.460	145°50'56"	103°24'37"	209.160	SS	0.000	0.000	5487401.084	658971.207	1393.458
SS	805	1.460	141°57'45"	103°30'21"	216.816	SS	0.000	0.000	5487403.413	658986.894	1391.330
SS	806	1.460	138°06'58"	103°50'22"	224.366	SS	0.000	0.000	5487407.267	659002.436	1388.298
SS	807	1.460	135°36'52"	103°58'25"	228.216	SS	0.000	0.000	5487411.189	659011.900	1386.858
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2008-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	88		42°13'41"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'41" VA 93°25'23" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.920m										
Note	-- BS Elevation Error: -1.246m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	808	1.460	39°52'28"	93°03'30"	659.886	SS	0.000	0.000	5487623.709	658910.955	1439.423

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	809	1.460	40°10'07"	93°08'31"	644.701	SS	0.000	0.000	5487609.907	658903.732	1439.294
SS	810	1.460	40°20'05"	93°14'09"	629.307	SS	0.000	0.000	5487596.941	658895.171	1439.108
SS	811	1.460	40°23'32"	93°18'54"	614.120	SS	0.000	0.000	5487584.947	658885.794	1439.118
SS	812	1.460	40°13'10"	93°20'27"	598.261	SS	0.000	0.000	5487574.042	658874.151	1439.766
SS	813	1.460	39°57'46"	93°22'10"	582.983	SS	0.000	0.000	5487564.062	658862.297	1440.366
SS	814	1.460	39°15'07"	93°27'06"	571.250	SS	0.000	0.000	5487559.557	658849.292	1440.237
SS	815	1.460	37°02'35"	93°35'38"	944.617	SS	0.000	0.000	5487551.849	658815.940	1440.491
SS	816	1.460	36°13'49"	93°42'16"	534.552	SS	0.000	0.000	5487548.295	658803.777	1440.093
SS	817	1.460	35°23'26"	93°48'19"	523.608	SS	0.000	0.000	5487543.917	658791.078	1439.880
SS	818	1.460	34°34'35"	93°44'58"	511.095	SS	0.000	0.000	5487537.919	658777.928	1441.208
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	88		42°13'41"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 42°13'41" VA 93°25'40" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1434.865m										
Note	-- BS Elevation Error: -1.301m										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	819	1.460	33°36'09"	93°52'53"	500.218	SS	0.000	0.000	5487533.674	658764.700	1440.770
SS	820	1.460	32°24'50"	94°05'38"	488.648	SS	0.000	0.000	5487529.463	658749.762	1439.745
SS	821	1.460	31°45'36"	94°18'07"	482.099	SS	0.000	0.000	5487526.755	658741.544	1438.467
SS	822	1.460	30°52'06"	94°28'58"	472.330	SS	0.000	0.000	5487522.184	658730.096	1437.720
SS	823	1.460	32°17'30"	94°55'54"	462.344	SS	0.000	0.000	5487507.390	658734.583	1434.883
SS	824	1.460	33°44'10"	94°51'53"	471.809	SS	0.000	0.000	5487508.945	658749.584	1434.619
SS	825	1.460	35°15'56"	94°46'17"	482.468	SS	0.000	0.000	5487510.563	658766.096	1434.498
SS	826	1.460	36°35'17"	94°39'13"	492.912	SS	0.000	0.000	5487512.475	658781.335	1434.639
SS	827	1.460	39°18'28"	94°34'23"	518.476	SS	0.000	0.000	5487517.895	658815.901	1433.292
SS	828	1.460	40°35'23"	94°33'51"	530.837	SS	0.000	0.000	5487519.833	658832.787	1432.388

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	829	1.460	41°32'18"	94°36'50"	541.212	SS	0.000	0.000	5487521.791	658846.226	1431.095
SS	830	1.460	42°17'02"	94°32'25"	554.320	SS	0.000	0.000	5487526.810	658860.279	1430.750
SS	831	1.460	42°53'37"	94°26'14"	567.954	SS	0.000	0.000	5487532.846	658873.913	1430.689
SS	832	1.460	43°20'46"	94°23'01"	582.005	SS	0.000	0.000	5487540.008	658886.822	1430.145
SS	833	1.460	43°54'25"	94°21'30"	595.200	SS	0.000	0.000	5487545.582	658900.071	1429.398
SS	834	1.460	44°24'43"	94°16'33"	607.983	SS	0.000	0.000	5487551.090	658912.790	1429.300
SS	835	1.460	44°57'00"	94°12'54"	621.850	SS	0.000	0.000	5487568.907	658926.642	1428.924
SS	836	1.460	45°19'12"	94°04'07"	605.130	SS	0.000	0.000	5487563.464	658938.968	1429.567
SS	837	1.460	45°24'18"	93°57'29"	648.465	SS	0.000	0.000	5487572.196	658949.163	1429.869
SS	838	1.460	42°57'51"	93°35'41"	641.514	SS	0.000	0.000	5487586.524	658924.858	1434.408
SS	839	1.460	42°43'12"	93°40'50"	627.804	SS	0.000	0.000	5487518.282	658918.632	1434.329
SS	840	1.460	42°02'16"	93°39'47"	616.760	SS	0.000	0.000	5487573.134	658900.651	1435.226
SS	841	1.460	47°03'51"	94°18'04"	644.058	SS	0.000	0.000	5487555.483	658958.698	1426.327
SS	842	1.460	46°25'46"	94°25'25"	625.876	SS	0.000	0.000	5487548.098	658940.613	1426.356
SS	843	1.460	45°50'01"	94°33'02"	610.246	SS	0.600	0.000	5487511.845	658924.662	1426.214
SS	844	1.460	45°20'03"	94°44'44"	594.089	SS	0.600	0.000	5487534.195	658900.679	1425.481
SS	845	1.460	44°52'02"	94°50'54"	580.885	SS	0.000	0.000	5487528.225	658896.828	1425.535
SS	846	1.460	44°18'12"	94°52'19"	567.094	SS	0.000	0.000	5487522.376	658883.160	1426.467
SS	847	1.460	43°43'15"	94°55'22"	555.733	SS	0.000	0.000	5487518.155	658871.172	1426.941
SS	848	1.460	43°04'39"	94°59'35"	542.962	SS	0.000	0.000	5487513.091	658857.928	1427.373
SS	849	1.460	42°27'20"	95°03'47"	531.586	SS	0.000	0.000	5487508.675	658845.930	1427.716
SS	850	1.460	41°43'21"	95°09'51"	520.198	SS	0.000	0.000	5487504.687	658833.258	1427.807
SS	851	1.460	40°47'28"	95°19'38"	606.936	SS	0.000	0.000	5487500.141	658818.262	1427.564
SS	852	1.460	39°55'56"	95°24'26"	495.981	SS	0.000	0.000	5487486.628	658806.444	1427.892
SS	853	1.460	39°09'05"	95°27'34"	486.025	SS	0.000	0.000	5487493.193	658793.970	1428.389
SS	854	1.460	37°30'14"	95°35'10"	467.781	SS	0.000	0.000	5487487.334	658771.940	1429.095
SS	855	1.460	36°28'57"	95°48'01"	457.570	SS	0.000	0.000	5487484.021	658759.162	1428.387
SS	856	1.460	35°13'09"	95°59'40"	446.146	SS	0.000	0.000	5487480.487	658744.388	1428.036
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	88		42°13'41"	1.590							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
Note	--Orientation Notes											
Note	-- Observed Values: HA 42°13'41" VA 93°25'40" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1434.865m											
Note	-- BS Elevation Error: -1.301m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	857	1.460	36°54'21"	96°35'14"	439.211	SS	0.000	0.000	5487466.885	658750.506	1424.246	
SS	858	1.460	39°27'20"	96°19'17"	460.198	SS	0.000	0.000	5487471.166	658779.168	1423.960	
SS	859	1.460	40°27'31"	86°10'59"	470.700	SS	0.000	0.000	5487474.060	658792.160	1423.933	
SS	860	1.460	41°11'55"	96°07'01"	481.488	SS	0.000	0.000	5487478.224	658803.837	1423.324	
SS	861	1.460	41°56'05"	96°01'42"	493.453	SS	0.000	0.000	5487483.053	658816.443	1422.807	
SS	862	1.460	42°46'40"	95°49'40"	505.886	SS	0.000	0.000	5487487.398	658830.300	1423.263	
SS	863	1.460	43°29'03"	95°42'16"	517.392	SS	0.000	0.000	5487491.542	658842.782	1423.203	
SS	864	1.460	44°02'48"	95°31'46"	530.639	SS	0.000	0.000	5487487.638	658855.703	1423.499	
SS	865	1.460	44°39'29"	95°27'55"	542.507	SS	0.000	0.000	5487502.139	658868.081	1422.960	
SS	866	1.460	45°00'45"	95°16'26"	555.312	SS	0.000	0.000	5487508.917	658879.588	1423.587	
SS	867	1.460	45°44'36"	95°14'07"	569.334	SS	0.000	0.000	5487513.666	658894.588	1422.681	
SS	868	1.460	45°45'38"	95°02'03"	500.438	SS	0.000	0.000	5487521.386	658902.740	1423.697	
SS	869	1.460	46°31'35"	95°00'34"	591.620	SS	0.000	0.000	5487523.492	658916.193	1422.970	
SS	870	1.460	47°05'33"	94°59'21"	603.123	SS	0.000	0.000	5487527.060	658928.588	1422.178	
SS	871	1.460	47°37'15"	94°49'47"	614.378	SS	0.000	0.000	5487530.641	658940.780	1422.903	
SS	872	1.460	48°02'30"	94°43'29"	626.157	SS	0.000	0.000	5487535.220	658952.547	1423.054	
SS	873	1.460	48°19'51"	94°41'20"	638.673	SS	0.000	0.000	5487541.187	658963.990	1422.421	
SS	874	1.460	49°19'41"	95°02'58"	632.996	SS	0.000	0.000	5487528.940	658906.735	1418.917	
SS	875	1.460	49°03'06"	95°05'20"	619.543	SS	0.000	0.000	5487522.434	658994.597	1419.676	
SS	876	1.460	48°35'58"	95°13'47"	600.063	SS	0.000	0.000	5487513.198	658936.721	1419.935	
SS	877	1.460	48°09'10"	95°21'56"	586.127	SS	0.000	0.000	5487507.320	658923.209	1419.821	
SS	878	1.460	47°35'54"	95°28'02"	572.032	SS	0.000	0.000	5487501.980	658908.987	1420.129	
SS	879	1.460	47°11'21"	95°35'07"	558.660	SS	0.000	0.000	5487495.852	658806.388	1420.257	
SS	880	1.460	46°55'18"	95°51'47"	546.374	SS	0.000	0.000	5487489.220	658886.495	1418.817	
SS	881	1.460	46°34'47"	96°05'43"	532.572	SS	0.000	0.000	5487481.991	658873.137	1418.080	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	882	1.460	46°12'51"	96°14'52"	519.126	SS	0.000	0.000	5487475.083	658861.048	1418.134	
SS	883	1.460	45°45'20"	96°28'39"	506.678	SS	0.000	0.000	5487469.263	658849.152	1417.470	
SS	884	1.460	44°48'40"	96°43'49"	490.128	SS	0.000	0.000	5487463.317	658831.548	1417.189	
SS	885	1.460	43°59'31"	96°47'45"	479.586	SS	0.000	0.000	5487460.608	658819.260	1417.880	
SS	886	1.460	43°59'31"	96°47'44"	479.609	SS	0.000	0.000	5487460.625	658819.276	1417.879	
SS	887	1.460	43°07'56"	96°54'37"	468.145	SS	0.000	0.000	5487457.160	658806.239	1418.305	
SS	888	1.460	42°11'58"	97°00'52"	456.775	SS	0.000	0.000	5487468.851	658793.829	1418.849	
SS	889	1.460	41°06'32"	97°04'23"	446.893	SS	0.600	0.000	5487452.154	658700.093	1419.602	
SS	890	1.460	39°54'06"	97°14'22"	435.785	SS	0.000	0.000	5487449.646	658765.815	1419.714	
SS	891	1.460	38°42'04"	97°24'32"	427.023	SS	0.000	0.000	5487448.474	658753.270	1419.566	
SS	892	1.460	37°22'20"	97°44'21"	416.229	SS	0.000	0.000	5487484.981	658738.244	1418.714	
SS	893	1.460	36°01'04"	97°53'40"	404.543	SS	0.000	0.000	5487482.107	658724.131	1419.067	
SS	894	1.460	34°33'48"	97°57'33"	393.971	SS	0.000	0.000	5487439.309	658709.853	1420.078	
SS	895	1.460	33°18'03"	98°13'56"	381.917	SS	0.000	0.000	5487433.917	658696.023	1419.945	
SS	896	1.460	32°05'28"	98°26'39"	370.048	SS	0.000	0.000	5487488.108	658682.883	1420.299	
SS	897	1.460	30°56'58"	98°32'58"	357.806	SS	0.000	0.000	5487421.452	658670.468	1421.436	
SS	898	1.460	29°44'41"	98°39'31"	346.710	SS	0.000	0.000	5487415.598	658658.555	1422.434	
SS	899	1.460	28°27'34"	98°46'37"	335.004	SS	0.000	0.000	5487409.072	658646.272	1423.512	
SS	900	1.460	27°13'57"	98°51'04"	333.701	SS	0.000	0.000	5487482.393	658634.863	1424.823	
SS	901	1.460	25°58'23"	98°56'38"	311.506	SS	0.600	0.000	5487394.639	658623.268	1426.204	
SS	902	1.460	24°55'08"	99°03'11"	299.812	SS	0.000	0.000	5487386.514	658613.248	1427.455	
SS	903	1.460	23°34'39"	99°26'13"	286.163	SS	0.600	0.000	5487376.725	658601.413	1427.710	
SS	904	1.460	21°48'53"	99°39'58"	273.895	SS	0.600	0.000	5487388.671	658588.838	1428.641	
SS	905	1.460	20°05'21"	99°49'34"	261.619	SS	0.000	0.000	5487360.097	658577.048	1429.982	
SS	906	1.460	16°48'00"	100°00'16"	244.893	SS	0.000	0.000	5487348.876	658558.206	1432.086	
SS	907	1.460	14°46'07"	100°08'13"	233.495	SS	0.000	0.000	5487346.257	658547.093	1433.535	
SS	908	1.460	9°48'52"	100°08'10"	216.038	SS	0.000	0.000	5487327.553	658534.751	1436.610	
SS	909	1.460	4°05'05"	99°56'27"	202.655	SS	0.000	0.000	5487317.106	658502.719	1439.646	
SS	910	1.460	359°55'21"	99°53'04"	195.534	SS	0.000	0.000	5487310.631	658488.239	1441.064	
SS	911	1.460	355°54'43"	99°49'30"	190.008	SS	0.000	0.000	5487304.745	658475.193	1442.207	
SS	912	1.430	347°17'38"	99°23'47"	185.727	SS	0.000	0.000	5487298.748	658448.198	1444.308	
SS	913	1.460	342°08'10"	98°57'29"	186.894	SS	0.600	0.000	5487293.714	658431.068	1445.526	
SS	914	1.460	337°48'55"	98°30'35"	188.984	SS	0.000	0.000	5487291.067	658417.927	1446.665	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	915	1.460	333°20'48"	97°58'09"	191.591	SS	0.000	0.000	5487287.579	658403.384	1448.068	
SS	916	1.460	328°47'13"	97°37'45"	196.755	SS	0.000	0.000	5487284.784	658387.440	1448.509	
SS	917	1.460	324°37'18"	97°21'35"	202.258	SS	0.000	0.000	5487281.552	658372.363	1448.721	
SS	918	1.460	321°37'49"	96°56'19"	212.126	SS	0.000	0.000	5487283.093	658357.791	1449.004	
SS	919	1.460	318°12'27"	96°25'42"	218.071	SS	0.000	0.000	5487279.563	658344.084	1450.215	
SS	920	1.460	315°04'54"	95°58'36"	227.250	SS	0.000	0.000	5487278.044	658328.912	1450.968	
SS	921	1.460	311°31'56"	95°33'11"	238.686	SS	0.000	0.000	5487275.516	658310.662	1451.533	
SS	922	1.460	309°20'00"	95°09'12"	252.275	SS	0.000	0.000	5487277.254	658294.101	1451.970	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	88		42°13'41"	1.590								
Note	--Orientation Notes											
Note	-- Observed Values: HA 42°13'41" VA 93°26'19" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1434.739m											
Note	-- BS Elevation Error: -1.427m											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	88		42°13'41"	1.590								
Note	--Orientation Notes											
Note	-- Observed Values: HA 42°13'41" VA 93°23'18" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1435.323m											
Note	-- BS Elevation Error: -0.842m											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	4	1.460	331°42'10"	93°46'39"	262.303	SS	0.000	0.000	5487348.456	658364.426	1457.349
SS	20	1.460	335°07'01"	93°50'54"	262.460	SS	0.000	0.000	5487355.559	658378.314	1457.015
SS	21	1.460	338°27'02"	93°50'47"	263.622	SS	0.000	0.000	5487362.642	658391.889	1456.946
SS	594	1.460	342°22'51"	93°54'24"	267.154	SS	0.000	0.000	5487372.030	658407.823	1456.428
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 23°36'24" VA 93°45'37" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1444.293m										
Note	-- BS Elevation Error: -1.449m										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.590							
Note	--Orientation Notes										
Note	-- Observed Values: HA 23°36'24" VA 93°45'37" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1444.293m										
Note	-- BS Elevation Error: -1.449m										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.600							
Note	--Orientation Notes										
Note	-- Observed Values: HA 23°36'24" VA 93°38'53" HR 1.460m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1445.211m										
Note	-- BS Elevation Error: -0.531m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	595	1.460	334°01'43"	04°08'50"	256.738	SS	0.000	0.000	5487348.206	658376.363	1456.073
SS	596	1.460	344°21'26"	94°18'07"	262.799	SS	0.000	0.000	5487370.352	658417.839	1454.927
SS	597	1.460	348°33'25"	94°32'48"	269.832	SS	0.000	0.000	5487381.636	658435.135	1453.250
SS	598	1.460	351°49'49"	94°38'33"	276.024	SS	0.000	0.000	5487390.326	658449.404	1452.299
SS	599	1.460	354°35'25"	94°45'33"	281.736	SS	0.000	0.000	5487397.514	658462.030	1451.265
SS	923	1.460	357°37'25"	94°53'45"	288.557	SS	0.000	0.000	5487405.257	658476.579	1450.013
SS	924	1.460	0°14'26"	94°54'32"	295.860	SS	0.000	0.000	5487412.772	658489.738	1449.323
SS	925	1.460	2°53'38"	94°56'27"	304.673	SS	0.000	0.000	5487421.154	658503.829	1448.359
SS	926	1.460	5°06'42"	95°03'38"	311.186	SS	0.000	0.000	5487486.740	658516.118	1447.191
SS	927	1.460	6°58'41"	95°10'31"	318.755	SS	0.000	0.000	5487483.104	658527.867	1445.887
SS	928	1.460	8°40'02"	95°13'35"	327.968	SS	0.000	0.000	5487440.875	658537.718	1444.765
SS	929	1.460	10°40'39"	95°12'32"	338.462	SS	0.000	0.000	5487449.228	658590.952	1443.912
SS	930	1.460	12°36'21"	95°04'57"	348.030	SS	0.000	0.000	5487486.305	658584.156	1443.808
SS	931	1.460	14°26'18"	94°51'28"	358.745	SS	0.000	0.000	5487484.170	658577.814	1444.261
SS	932	1.460	16°17'16"	94°46'10"	370.274	SS	0.000	0.000	5487472.183	658591.988	1443.853
SS	933	1.460	19°01'15"	94°44'30"	584.243	SS	0.000	0.000	5487480.020	658613.301	1442.877
SS	934	1.460	20°28'08"	94°44'08"	396.005	SS	0.000	0.000	5487487.737	658626.506	1441.947
SS	935	1.460	21°49'19"	94°45'11"	407.141	SS	0.000	0.000	5487494.667	658639.323	1440.904
SS	936	1.460	23°12'47"	94°43'36"	419.396	SS	0.000	0.000	5487502.133	658653.243	1440.081
SS	937	1.460	24°28'13"	94°44'17"	429.561	SS	0.000	0.000	5487507.640	658665.825	1439.158
SS	938	1.460	25°51'43"	94°47'12"	439.611	SS	0.000	0.000	5487512.204	658679.592	1437.958
SS	939	1.460	27°14'26"	94°42'54"	449.048	SS	0.000	0.000	5487515.894	658690.346	1437.729
SS	940	1.460	28°24'59"	94°37'57"	457.677	SS	0.000	0.000	5487519.218	658705.586	1437.676
SS	941	1.460	29°53'22"	95°08'02"	443.953	SS	0.000	0.000	5487501.358	658708.847	1434.914
SS	942	1.468	28°50'38"	95°23'16"	484.549	SS	0.000	0.000	5487496.956	658697.211	1433.838
SS	943	1.460	27°44'55"	95°35'58"	424.685	SS	0.000	0.000	5487492.053	658686.287	1433.202
SS	944	1.460	26°19'37"	95°34'32"	413.224	SS	0.000	0.000	5487486.611	658670.895	1434.492

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	945	1.460	25°08'43"	95°29'54"	403.020	SS	0.000	0.000	5487481.149	658658.961	1436.024
SS	946	1.460	23°25'30"	95°25'20"	393.669	SS	0.000	0.000	5487477.607	658644.302	1437.440
SS	947	1.460	21°58'40"	95°22'02"	383.199	SS	0.000	0.000	5487471.794	658631.282	1438.796
SS	948	1.460	20°30'02"	95°23'45"	372.473	SS	0.000	0.000	5487465.338	658618.368	1439.614
SS	949	1.460	19°11'52"	95°27'36"	362.546	SS	0.000	0.000	5487458.831	658607.175	1440.143
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.600							
Note	--Orientation Notes										
Note	- Observed Values: HA 23°36'24" VA 93°38'32" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1445.258m										
Note	-- BS Elevation Error: -0.484m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	950	1.460	17°03'19"	95°31'33"	350.608	SS	0.000	0.000	5487451.632	658590.854	1440.878
SS	951	1.460	15°13'37"	95°36'56"	340.556	SS	0.000	0.000	5487445.023	658577.515	1441.316
SS	952	1.460	13°30'06"	95°50'01"	331.144	SS	0.000	0.000	5487438.325	658565.413	1440.983
SS	953	1.460	11°20'38"	95°52'28"	322.161	SS	0.000	0.000	5487432.209	658551.535	1441.667
SS	954	1.460	9°13'04"	95°43'40"	312.929	SS	0.000	0.000	5487425.346	658538.377	1443.409
SS	955	1.450	6°55'47"	95°33'01"	303.287	SS	0.000	0.000	5487417.660	658524.921	1445.306
SS	956	1.460	4°25'02"	95°22'13"	297.174	SS	0.000	0.000	5487412.991	658511.287	1446.827
SS	957	1.460	1°37'09"	95°10'42"	292.007	SS	0.000	0.000	5487408.700	658496.717	1448.285
SS	958	1.460	359°00'04"	95°15'28"	282.608	SS	0.000	0.000	5487399.376	658483.594	1448.743
SS	959	1.460	356°39'53"	95°16'24"	274.291	SS	0.000	0.000	5487390.667	658472.610	1449.431
SS	960	1.460	354°22'38"	95°19'02"	267.203	SS	0.000	0.000	5487382.773	658462.433	1449.878
SS	961	1.460	351°57'56"	95°20'30"	260.830	SS	0.000	0.000	5487375.148	658452.203	1450.358
SS	962	1.460	348°46'52"	95°17'22"	255.482	SS	0.000	0.000	5487367.533	658439.006	1451.088
SS	963	1.460	345°50'20"	95°17'16"	251.007	SS	0.000	0.000	5487360.344	658427.353	1451.508
SS	964	1.460	342°47'05"	95°17'12"	245.039	SS	0.000	0.000	5487351.066	658416.286	1452.062

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	965	1.460	339°46'13"	95°17'58"	241.603	SS	0.000	0.000	5487343.730	658405.314	1452.325
SS	966	1.460	336°25'11"	95°21'54"	238.020	SS	0.000	0.000	5487335.190	658393.701	1452.385
SS	967	1.460	332°26'43"	95°29'34"	234.582	SS	0.000	0.000	5487325.018	658380.482	1452.186
SS	968	1.460	328°50'54"	95°37'02"	233.643	SS	0.000	0.000	5487316.992	658368.216	1451.771
SS	969	1.460	325°37'06"	95°19'54"	241.165	SS	0.000	0.000	5487316.171	658352.902	1452.231
SS	970	1.460	322°29'28"	95°15'55"	250.296	SS	0.000	0.000	5487319.711	658336.742	1451.671
SS	971	1.460	320°01'58"	95°10'48"	260.310	SS	0.000	0.000	5487316.688	658321.971	1451.140
SS	972	1.460	316°41'48"	95°18'27"	266.440	SS	0.000	0.000	5487308.813	658313.984	1450.919
SS	973	1.460	318°59'35"	95°35'38"	248.985	SS	0.000	0.000	5487304.997	658325.906	1450.370
SS	974	1.460	321°13'56"	95°50'10"	240.275	SS	0.000	0.000	5487304.369	658338.828	1450.208
SS	975	1.460	324°40'18"	96°03'65"	231.038	SS	0.000	0.000	5487303.433	658356.840	1450.228
SS	976	1.460	327°58'08"	96°12'12"	224.115	SS	0.000	0.000	5487308.880	658370.825	1450.423
SS	977	1.460	331°24'20"	96°27'04"	218.022	SS	0.000	0.000	5487308.218	658384.814	1450.144
SS	978	1.460	335°32'24"	96°51'13"	213.183	SS	0.000	0.000	5487310.664	658400.881	1449.200
SS	979	1.460	339°45'48"	96°58'69"	218.258	SS	0.000	0.000	5487301.279	658413.853	1448.231
SS	980	1.460	342°58'47"	96°53'30"	223.403	SS	0.000	0.000	5487308.079	658428.879	1447.866
SS	981	1.460	346°35'26"	96°37'58"	230.734	SS	0.000	0.000	5487340.941	658435.349	1447.989
SS	982	1.460	350°28'04"	96°24'48"	239.003	SS	0.000	0.000	5487352.228	658449.168	1447.949
SS	983	1.460	353°43'44"	96°24'07"	246.997	SS	0.000	0.000	5487381.000	658461.797	1447.211
SS	984	1.460	356°49'57"	96°21'59"	251.683	SS	0.000	0.000	5487367.748	658474.879	1446.732
SS	985	1.460	359°33'35"	96°09'48"	260.101	SS	0.000	0.000	5487376.590	658486.513	1446.715
SS	986	1.460	2°05'04"	96°14'22"	267.549	SS	0.000	0.000	5487383.788	658498.174	1445.562
SS	987	1.460	4°16'11"	96°07'08"	277.386	SS	0.000	0.000	5487393.040	658509.834	1445.072
SS	988	1.460	6°32'54"	96°09'36"	286.044	SS	0.000	0.000	5487398.550	658520.819	1444.052
SS	989	1.460	8°46'09"	96°20'09"	292.314	SS	0.000	0.000	5487405.132	658532.792	1442.381
SS	990	1.460	10°47'10"	96°31'08"	300.583	SS	0.000	0.000	5487411.363	658544.388	1440.515
SS	991	1.460	12°50'21"	96°31'56"	309.649	SS	0.060	0.000	5487417.947	658556.863	1439.414
SS	992	1.460	15°05'15"	96°30'28"	318.941	SS	0.000	0.000	5487428.963	658570.884	1438.492
SS	993	1.460	17°22'20"	96°22'29"	330.380	SS	0.000	0.000	5487431.361	658586.534	1437.958
SS	994	1.460	19°23'18"	96°16'59"	341.120	SS	0.000	0.000	5487437.842	658601.061	1437.308
SS	995	1.460	21°04'01"	96°14'17"	350.656	SS	0.000	0.000	5487443.276	658613.798	1436.487
SS	996	1.460	22°44'17"	96°11'07"	362.695	SS	0.000	0.000	5487450.560	658627.872	1435.562
SS	997	1.460	23°54'21"	96°05'24"	375.303	SS	0.000	0.000	5487459.171	658639.728	1434.824

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	998	1.460	25°22'05"	96°01'20"	386.012	SS	0.000	0.000	5487464.866	658652.967	1434.142
SS	999	1.460	26°43'03"	96°07'12"	397.077	SS	0.000	0.000	5487470.661	658666.005	1432.307
SS	1000	1.460	27°56'35"	96°18'28"	406.062	SS	0.000	0.000	5487474.549	658677.626	1430.026
SS	1001	1.460	29°23'12"	96°12'08"	417.107	SS	0.000	0.000	5487479.309	658691.977	1429.577
SS	1002	1.460	30°51'47"	96°03'13"	426.580	SS	0.000	0.000	5487482.132	658706.110	1429.653
SS	1003	1.460	31°41'34"	95°55'58"	432.776	SS	0.000	0.000	5487484.267	658714.647	1429.908
SS	1004	1.460	33°14'38"	95°53'50"	440.122	SS	0.000	0.000	5487484.155	658728.466	1429.420
SS	1005	1.460	34°20'17"	96°32'53"	429.579	SS	0.600	0.000	5487470.400	658729.234	1425.692
SS	1006	1.460	33°13'21"	96°51'18"	418.727	SS	0.000	0.000	5487465.781	658716.277	1424.662
SS	1007	1.460	32°12'17"	97°04'48"	409.421	SS	0.000	0.000	5487461.790	658705.036	1424.181
SS	1008	1.460	31°08'28"	97°15'21"	297.930	SS	0.000	0.000	5487455.860	658692.641	1424.381
SS	1009	1.460	29°45'34"	97°27'22"	386.368	SS	0.000	0.000	5487430.576	658678.656	1424.502
SS	1010	1.460	28°47'07"	97°34'46"	374.262	SS	0.000	0.000	5487443.149	658667.143	1425.275
SS	1011	1.460	27°45'40"	97°41'18"	362.485	SS	0.000	0.000	5487435.878	658655.823	1426.145
SS	1012	1.460	26°36'22"	97°43'57"	352.122	SS	0.000	0.000	5487429.972	658644.766	1427.263
SS	1013	1.460	25°25'42"	97°51'47"	339.680	SS	0.600	0.000	5487421.888	658632.981	1428.170
SS	1014	1.460	24°00'42"	97°50'47"	327.966	SS	0.000	0.000	5487414.780	658620.707	1429.867
SS	1015	1.460	22°37'27"	97°49'34"	317.446	SS	0.000	0.000	5487408.289	658609.479	1431.414
SS	1016	1.460	20°57'27"	98°03'29"	304.797	SS	0.000	0.000	5487389.823	658596.442	1431.915
SS	1017	1.460	19°13'44"	98°17'35"	294.656	SS	0.000	0.000	5487388.308	658584.526	1432.140
SS	1018	1.460	17°07'36"	98°24'47"	284.587	SS	0.000	0.000	5487387.041	658571.405	1433.002
SS	1019	1.460	15°16'47"	98°22'34"	275.679	SS	0.000	0.000	5487381.098	658560.375	1434.482
SS	1020	1.460	13°17'40"	98°15'41"	296.481	SS	0.000	0.000	5487374.648	658549.145	1436.350
SS	1021	1.460	10°52'41"	98°09'04"	206.635	SS	0.000	0.000	5487360.422	658536.616	1437.970
SS	1022	1.460	8°26'08"	98°02'54"	251.073	SS	0.000	0.000	5487363.910	658524.969	1439.488
SS	1023	1.460	5°18'53"	97°59'11"	242.901	SS	0.000	0.000	5487357.511	658510.781	1440.892
SS	1024	1.460	2°25'27"	97°45'37"	236.589	SS	0.000	0.000	5487352.212	658498.415	1442.694
SS	1025	1.460	359°21'11"	97°43'07"	231.839	SS	0.000	0.000	5487347.723	658486.906	1443.502
SS	1026	1.460	356°12'50"	97°29'56"	229.091	SS	0.000	0.000	5487344.636	658473.502	1444.742
SS	1027	1.460	353°04'28"	97°19'52"	227.416	SS	0.000	0.000	5487341.911	658461.302	1445.621
SS	1028	1.460	350°05'48"	97°04'18"	227.175	SS	0.000	0.000	5487339.087	658449.724	1446.672
SS	1029	1.460	346°50'57"	96°53'07"	227.789	SS	0.000	0.000	5487338.216	658437.946	1447.332
SS	1030	1.460	343°36'17"	97°06'59"	220.498	SS	0.000	0.000	5487327.903	658426.741	1447.323

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1031	1.460	340°25'40"	97°07'46"	216.713	SS	0.000	0.000	5487320.612	658416.464	1447.743
SS	1032	1.460	338°49'58"	97°36'16"	205.798	SS	0.000	0.000	5487308.225	658414.842	1447.406
SS	1033	1.460	312°28'15"	95°20'25"	250.725	SS	0.000	0.000	5487286.559	658304.362	1451.305
SS	1034	1.460	310°12'32"	95°11'13"	252.460	SS	0.000	0.000	5487280.315	658296.487	1451.816
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.600							
Note	--Orientation Notes										
Note	-- Observed Values: HA 23°36'24" VA 93°45'48" HR 1.460m										
Note	- Observed Reference: Point										
Note	-- BS Elevation: 1444.296m										
Note	-- BS Elevation Error: -1.446m										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1035	1.460	310°34'45"	95°34'54"	236.401	SS	0.000	0.000	5487271.050	658309.803	1451.647
SS	1036	1.460	310°37'01"	96°01'01"	222.481	SS	0.000	0.000	5487262.037	658320.550	1451.319
SS	1037	1.460	310°40'32"	96°27'47"	208.704	SS	0.000	0.000	5487253.164	658331.222	1451.148
SS	1038	1.460	310°51'33"	97°02'16"	196.396	SS	0.000	0.000	5487245.515	658341.081	1450.577
SS	1039	1.460	311°30'17"	97°36'33"	183.499	SS	0.000	0.000	5487238.530	658352.288	1450.342
SS	1040	1.460	311°17'49"	98°08'21"	170.062	SS	0.000	0.000	5487229.104	658362.020	1450.563
SS	1041	1.460	309°36'43"	97°12'38"	192.161	SS	0.000	0.000	5487239.550	658341.634	1450.521
SS	1042	1.460	309°12'24"	96°32'27"	206.543	SS	0.000	0.000	5487247.710	658329.497	1451.112
SS	1043	1.460	309°00'37"	96°03'22"	221.012	SS	0.000	0.000	5487256.342	658317.725	1451.323
SS	1044	1.460	308°21'08"	95°42'03"	231.171	SS	0.000	0.000	5487260.731	658308.110	1451.677
SS	1045	1.460	304°40'57"	95°40'51"	233.046	SS	0.000	0.000	5487249.958	658297.804	1451.572
SS	1046	1.460	303°13'46"	95°44'01"	234.000	SS	0.000	0.000	5487248.589	658293.743	1451.263
SS	1047	1.460	304°37'25"	95°19'28"	246.626	SS	0.000	0.000	5487257.524	658286.427	1451.754
SS	1048	1.460	302°59'49"	95°17'57"	248.531	SS	0.000	0.000	5487252.770	658280.948	1451.687

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1049	1.460	303°58'50"	94°58'51"	260.119	SS	0.000	0.000	5487262.835	658273.616	1452.056
SS	1050	1.460	340°19'12"	91°23'45"	387.367	SS	0.000	0.000	5487482.632	658358.086	1465.204
SS	1051	1.460	337°55'13"	91°11'37"	387.823	SS	0.000	0.000	5487477.303	658342.750	1466.561
SS	1052	1.460	335°48'15"	90°57'16"	386.006	SS	0.000	0.000	5487470.047	658330.315	1468.210
SS	1053	1.460	333°51'32"	90°50'08"	383.483	SS	0.000	0.000	5487462.220	658319.562	1469.048
SS	1054	1.460	331°53'08"	90°41'26"	384.793	SS	0.000	0.000	5487457.366	658307.185	1470.002
SS	1055	1.460	329°52'42"	90°39'47"	388.459	SS	0.000	0.000	5487453.979	658293.570	1470.145
SS	1056	1.460	327°39'30"	90°45'39"	301.016	SS	0.000	0.000	5487448.330	658279.338	1469.465
SS	1057	1.460	325°46'24"	90°51'28"	395.728	SS	0.000	0.000	5487445.159	658265.941	1468.716
SS	1058	1.460	323°45'23"	90°49'17"	403.502	SS	0.000	0.000	5487443.395	658249.966	1468.856
SS	1059	1.460	320°54'28"	91°09'48"	414.818	SS	0.000	0.000	5487439.894	658226.976	1466.701
SS	1060	1.460	319°22'40"	91°21'59"	422.314	SS	0.000	0.000	5487438.453	658213.628	1464.570
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.600							
Note	--Orientation Notes										
Note	-- Observed Values: HA 23°36'24" VA 93°45'57" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1444.258m										
Note	-- BS Elevation Error: -1.484m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1061	1.460	317°43'25"	91°36'59"	427.685	SS	0.000	0.000	5487434.322	658200.908	1462.576
SS	1062	1.460	317°25'31"	91°39'07"	410.666	SS	0.000	0.000	5487420.287	658210.779	1462.801
SS	1063	1.460	318°57'35"	91°26'49"	404.776	SS	0.000	0.000	5487423.204	658222.813	1464.419
SS	1064	1.460	320°23'47"	91°16'24"	399.325	SS	0.000	0.000	5487425.593	658234.004	1465.766
SS	1065	1.460	322°20'48"	91°11'40"	392.415	SS	0.000	0.000	5487428.616	658248.833	1466.460
SS	1066	1.460	324°37'01"	91°06'36"	386.025	SS	0.000	0.000	5487432.666	658265.018	1467.162
SS	1067	1.460	326°26'23"	91°02'19"	381.065	SS	0.000	0.000	5487435.492	658277.876	1467.733
SS	1068	1.460	328°29'26"	90°58'45"	376.413	SS	0.000	0.000	5487438.865	658291.801	1468.208

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	1069	1.460	330°38'25"	91°01'01"	372.956	SS	0.000	0.000	5487443.002	658305.672	1468.021	
SS	1070	1.460	332°53'31"	91°14'47"	369.079	SS	0.000	0.000	5487446.458	658320.361	1466.612	
SS	1071	1.460	335°02'44"	91°27'14"	365.701	SS	0.000	0.000	5487449.453	658334.262	1465.361	
SS	1072	1.460	337°03'56"	91°38'00"	363.506	SS	0.000	0.000	5487452.635	658346.907	1464.279	
SS	1073	1.460	339°15'25"	91°56'25"	361.920	SS	0.000	0.000	5487456.265	658360.390	1462.386	
SS	1074	1.460	341°15'44"	92°15'00"	358.224	SS	0.000	0.000	5487456.976	658373.514	1460.576	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	81		23°36'24"	1.540								
Note	--Orientation Notes											
Note	-- Observed Values: HA 23°36'24" VA 93°44'07" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1444.445m											
Note	-- BS Elevation Error: -1.297m											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1	81		23°36'24"	1.540								
Note	--Orientation Notes											
Note	-- Observed Values: HA 23°36'24" VA 93°45'58" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 1444.196m											
Note	-- BS Elevation Error: -1.546m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	1075	1.460	50°54'10"	95°57'46"	587.976	HUB	0.000	0.000	5487486.794	658942.346	1413.500	
SS	1076	1.460	337°23'11"	92°19'35"	324.359	SS	0.000	0.000	5487417.175	658363.882	1461.414	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1077	1.460	334°59'19"	92°11'34"	329.431	SS	0.000	0.000	5487416.319	658349.319	1461.975
SS	1078	1.460	332°48'11"	92°01'48"	336.464	SS	0.000	0.000	5487417.077	658334.815	1462.662
SS	1079	1.460	330°57'08"	91°55'06"	342.147	SS	0.000	0.000	5487416.943	658322.467	1463.127
SS	1080	1.460	328°44'05"	91°45'33"	348.469	SS	0.000	0.000	5487415.721	658307.730	1463.883
SS	1081	1.460	326°29'15"	91°32'23"	355.758	SS	0.000	0.000	5487414.512	658292.150	1465.021
SS	1082	1.460	324°39'11"	91°28'23"	363.067	SS	0.000	0.000	5487414.043	658278.526	1465.247
SS	1083	1.460	322°54'48"	91°33'16"	368.176	SS	0.000	0.000	5487411.596	658266.565	1464.593
SS	1084	1.460	321°08'18"	91°38'22"	374.605	SS	0.000	0.000	5487409.563	658253.542	1463.863
SS	1085	1.460	319°46'35"	91°37'06"	381.428	SS	0.000	0.000	5487409.116	658242.283	1463.808
SS	1086	1.460	318°10'21"	91°40'54"	388.597	SS	0.000	0.000	5487407.441	658229.460	1463.176
SS	1087	1.460	316°39'04"	91°50'20"	395.516	SS	0.000	0.000	5487405.466	658217.142	1461.888
SS	1088	1.460	315°27'28"	92°01'54"	389.897	SS	0.000	0.000	5487395.718	658215.135	1460.797
SS	1089	1.460	316°19'34"	92°06'18"	377.856	SS	0.000	0.000	5487391.112	658227.747	1460.701
SS	1090	1.460	317°18'36"	92°14'08"	366.578	SS	0.000	0.000	5487387.242	658240.138	1460.281
SS	1091	1.460	318°21'44"	92°18'15"	357.047	SS	0.000	0.000	5487384.627	658251.408	1460.225
SS	1092	1.460	319°15'38"	92°21'39"	349.610	SS	0.000	0.000	5487382.666	658260.327	1460.179
SS	1093	1.460	320°32'25"	92°24'48"	340.154	SS	0.000	0.000	5487390.390	658272.512	1460.257
SS	1094	1.460	322°14'07"	92°34'52"	331.921	SS	0.000	0.000	5487380.128	658285.431	1459.632
SS	1095	1.460	323°41'08"	92°47'39"	323.531	SS	0.000	0.000	5487378.385	658297.127	1458.808
SS	1096	1.460	325°31'32"	92°54'54"	316.129	SS	0.000	0.000	5487378.273	658309.790	1458.503
SS	1097	1.460	327°14'08"	93°00'11"	306.316	SS	0.000	0.000	5487375.229	658322.953	1458.532
SS	1098	1.460	328°50'36"	93°08'52"	295.261	SS	0.000	0.000	5487370.290	658335.967	1458.367
SS	1099	1.460	330°06'12"	93°11'45"	285.520	SS	0.000	0.000	5487365.140	658346.408	1458.688
SS	1100	1.460	327°46'33"	93°38'50"	280.300	SS	0.000	0.000	5487364.645	658360.337	1456.749
SS	1101	1.460	325°47'25"	93°32'47"	287.875	SS	0.000	0.000	5487355.612	658326.960	1456.773
SS	1102	1.460	324°10'40"	93°34'04"	297.881	SS	0.000	0.000	5487359.065	658314.496	1456.043
SS	1103	1.460	322°26'07"	93°29'25"	308.090	SS	0.000	0.000	5487361.759	658301.019	1455.824
SS	1104	1.460	321°06'27"	93°18'36"	316.367	SS	0.000	0.000	5487363.834	658290.190	1456.497
SS	1105	1.460	319°40'56"	93°05'12"	327.241	SS	0.000	0.000	5487367.149	658277.074	1456.959
SS	1106	1.460	318°21'31"	92°55'02"	336.446	SS	0.000	0.000	5487369.106	658265.233	1457.457
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	81		23°36'24"	1.540							
Note	-Orientation Notes										
Note	- Observed Values: HA 23°36'24" VA 93°55'14" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 1442.946m										
Note	- BS Elevation Error: -2.796m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1107	1.460	316°54'45"	92°50'49"	347.829	SS	0.000	0.000	5487371.710	658251.187	1457.304
SS	1108	1.460	315°41'00"	92°46'20"	356.002	SS	0.000	0.000	5487372.417	658240.080	1457.362
SS	1109	1.460	314°43'04"	92°38'29"	366.293	SS	0.000	0.000	5487375.456	658228.495	1457.700
SS	1110	1.460	313°40'08"	92°30'00"	376.861	SS	0.000	0.000	5487377.971	658216.160	1458.142
SS	1111	1.460	312°16'45"	92°54'08"	369.392	SS	0.000	0.000	5487366.187	658215.547	1455.877
SS	1112	1.460	312°46'38"	93°09'41"	358.047	SS	0.000	0.000	5487360.799	658226.095	1454.834
SS	1113	1.460	313°03'56"	93°22'02"	347.484	SS	0.000	0.000	5487354.865	658235.076	1454.170
SS	1114	1.460	314°26'51"	93°37'45"	337.898	SS	0.000	0.000	5487354.141	658247.761	1453.192
SS	1115	1.460	315°37'01"	93°47'31"	326.452	SS	0.000	0.000	5487350.797	658260.663	1452.991
SS	1116	1.460	316°50'33"	93°57'13"	315.169	SS	0.000	0.000	5487347.361	658273.435	1452.849
SS	1117	1.460	317°53'47"	94°09'32"	302.912	SS	0.000	0.000	5487342.149	658285.941	1452.612
SS	1118	1.460	318°41'13"	94°21'10"	291.719	SS	0.000	0.000	5487336.483	658296.470	1452.439
SS	1119	1.460	319°16'58"	94°28'21"	282.138	SS	0.000	0.000	5487331.192	658305.614	1452.579
SS	1120	1.460	319°34'10"	94°44'50"	274.389	SS	0.000	0.000	5487326.146	658311.102	1451.872
SS	1121	1.460	316°14'10"	94°50'37"	275.087	SS	0.000	0.000	5487315.957	658298.905	1451.353
SS	1122	1.460	315°37'25"	94°41'00"	286.332	SS	0.000	0.000	5487321.976	658288.917	1451.201
SS	1123	1.460	314°42'28"	94°30'08"	294.716	SS	0.000	0.000	5487324.690	658279.661	1451.445
SS	1124	1.460	314°58'40"	94°20'31"	304.716	SS	0.000	0.000	5487332.770	658273.573	1451.510
SS	1125	1.460	314°12'54"	94°14'38"	315.185	SS	0.000	0.000	5487337.192	658263.218	1451.256
SS	1126	1.460	313°18'32"	94°00'16"	324.359	SS	0.000	0.000	5487339.945	658293.051	1451.929
SS	1127	1.460	311°10'48"	94°44'24"	273.656	SS	0.000	0.000	5487297.566	658289.239	1451.967
SS	1128	1.460	309°51'30"	94°28'19"	285.910	SS	0.000	0.000	5487330.689	658269.703	1452.287
SS	1129	1.460	309°04'25"	94°23'12"	298.782	SS	0.000	0.000	5487305.776	658257.224	1451.727

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1130	1.460	308°52'10"	94°20'43"	309.994	SS	0.000	0.000	5487311.977	658247.839	1451.093
SS	1131	1.460	310°00'52"	94°06'43"	321.293	SS	0.000	0.000	5487324.053	658243.061	1451.542
SS	1132	1.460	308°45'48"	93°28'40"	344.423	SS	0.000	0.000	5487333.247	658220.435	1453.687
SS	1133	1.460	307°53'26"	93°18'34"	356.837	SS	0.000	0.000	5487336.788	658207.359	1453.980
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1075	85		231°16'09"	1.460							
Note	-Orientation Notes										
Note	- Observed Values: HA 231°16'09" VA 84°21'40" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 1470.515m										
Note	- BS Elevation Error: -1.307m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Sip Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1134	1.460	184°35'08"	99°34'52"	92.284	SS	0.000	0.000	5487396.088	658935.071	1398.140
SS	1135	1.460	213°59'59"	96°34'02"	98.106	SS	0.000	0.000	5487405.994	658887.846	1402.279
SS	1136	1.460	208°36'50"	97°14'57"	86.656	SS	0.000	0.000	5487411.329	658901.177	1402.565
SS	1137	1.460	201°08'05"	98°22'30"	75.784	SS	0.000	0.000	5487416.861	658915.312	1402.462
SS	1138	1.460	191°22'10"	100°21'22"	66.381	SS	0.000	0.000	5487422.776	658929.473	1401.567
SS	1139	1.460	180°54'18"	101°46'10"	65.273	SS	0.000	0.000	5487422.901	658941.336	1400.186
SS	1140	1.460	169°55'15"	103°02'17"	67.998	SS	0.000	0.000	5487421.571	658953.939	1398.159
SS	1141	1.460	159°55'03"	104°08'38"	72.014	SS	0.000	0.000	5487421.209	658966.324	1395.903
SS	1142	1.460	149°48'30"	105°22'36"	74.447	SS	0.000	0.000	5487424.749	658978.445	1393.759
SS	1143	1.460	139°20'35"	105°20'47"	78.006	SS	0.000	0.000	5487429.727	658991.357	1392.855
SS	1144	1.460	130°50'51"	105°21'20"	82.241	SS	0.000	0.000	5487434.924	659002.336	1391.722
SS	1145	1.460	123°43'33"	103°57'24"	90.216	SS	0.000	0.000	5487438.183	659016.164	1391.741
SS	1146	1.460	117°12'04"	102°07'43"	80.365	SS	0.000	0.000	5487450.878	659012.228	1396.614
SS	1147	1.460	123°56'44"	103°54'53"	70.765	SS	0.000	0.000	5487448.438	658999.328	1396.482

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1148	1.460	133°34'13"	105°12'38"	62.824	SS	0.000	0.000	5487445.010	658986.269	1397.017
SS	1149	1.460	145°20'50"	106°02'40"	57.979	SS	0.000	0.000	5487440.957	658974.029	1397.475
SS	1150	1.460	159°48'00"	105°56'57"	55.201	SS	0.000	0.000	5487436.983	658960.673	1398.331
SS	1151	1.460	174°08'30"	104°04'12"	55.515	SS	0.000	0.000	5487433.226	658947.842	1400.004
SS	1152	1.460	187°24'56"	101°54'54"	52.554	SS	0.000	0.000	5487435.803	658935.708	1402.649
SS	1153	1.460	200°45'53"	99°51'22"	51.575	SS	0.000	0.000	5487439.281	658924.331	1404.671
SS	1154	1.460	211°17'44"	98°04'19"	65.873	SS	0.000	0.000	5487489.524	658913.616	1405.654
SS	1155	1.460	221°26'00"	95°30'13"	62.749	SS	0.000	0.000	5487488.966	658901.818	1407.481
SS	1156	1.460	228°30'50"	94°17'25"	71.814	SS	0.000	0.000	5487439.355	658888.700	1408.127
SS	1157	1.460	233°46'59"	93°09'31"	82.118	SS	0.000	0.000	5487438.349	658876.195	1408.975
SS	1158	1.460	237°59'12"	91°37'07"	92.853	SS	0.000	0.000	5487487.591	658853.646	1410.877
SS	1159	1.468	244°15'59"	89°50'12"	91.218	SS	0.000	0.000	5487447.189	658860.175	1413.760
SS	1160	1.460	244°23'54"	89°44'31"	80.214	SS	0.000	0.000	5487452.133	658870.008	1413.861
SS	1161	1.460	243°57'06"	89°26'59"	66.611	SS	0.000	0.000	5487457.544	658882.504	1414.139
SS	1162	1.460	241°40'24"	90°12'31"	64.087	SS	0.000	0.000	5487481.130	658894.736	1413.303
SS	1163	1.460	233°00'47"	93°28'42"	46.552	SS	0.000	0.000	5487488.838	658905.238	1410.675
SS	1164	1.460	223°19'40"	96°55'04"	36.798	SS	0.000	0.000	5487450.220	658917.280	1409.067
SS	1165	1.460	204°59'38"	99°53'06"	28.554	SS	0.000	0.000	5487461.298	658930.460	1408.598
SS	1166	1.460	175°30'29"	103°53'26"	24.629	SS	0.000	0.000	5487462.958	658944.216	1407.587
SS	1167	1.460	145°18'39"	104°52'52"	22.784	SS	0.000	0.000	5487488.688	658954.878	1407.648
SS	1168	1.460	109°40'03"	101°54'17"	31.911	SS	0.000	0.000	5487476.285	658971.769	1406.917
SS	1169	1.460	108°27'22"	101°24'18"	43.835	SS	0.000	0.000	5487473.191	658983.105	1404.832
SS	1170	1.460	100°19'44"	98°44'39"	54.856	SS	0.000	0.000	5487477.073	658996.686	1405.160
SS	1171	1.460	97°53'39"	98°00'00"	67.835	SS	0.000	0.000	5487477.568	659068.884	1404.059
SS	1172	1.460	95°54'35"	97°56'09"	78.567	SS	0.000	0.000	5487478.782	659019.747	1402.652
SS	1173	1.460	88°51'07"	96°47'18"	70.633	SS	0.000	0.000	5487488.199	659012.469	1405.151
SS	1174	1.460	88°44'23"	96°07'50"	57.926	SS	0.000	0.000	5487488.061	658999.626	1407.314
SS	1175	1.460	86°27'24"	96°48'04"	44.676	SS	0.000	0.000	5487488.536	658986.826	1408.235
SS	1176	1.460	86°24'15"	96°51'00"	32.173	SS	0.000	0.000	5487488.797	658974.226	1409.662
SS	1177	1.460	90°15'08"	96°22'42"	13.579	SS	0.000	0.000	5487486.735	658955.840	1411.991
SS	1178	1.460	255°02'22"	99°01'54"	8.993	SS	0.000	0.000	5487484.473	658953.655	1413.652
SS	1179	1.460	253°47'59"	98°15'15"	22.447	SS	0.000	0.000	5487488.534	658920.808	1414.184
SS	1180	1.460	252°53'07"	87°31'08"	48.241	SS	0.000	0.000	5487472.611	658896.285	1415.588

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1181	1.460	261°17'53"	86°28'08"	38.810	SS	0.000	0.000	5487480.933	658904.055	1415.890
SS	1182	1.460	72°19'30"	91°40'25"	16.220	SS	0.000	0.000	5487491.716	658957.793	1413.026
SS	1183	1.460	74°13'54"	93°31'52"	29.529	SS	0.000	0.000	5487494.803	658970.710	1411.681
SS	1184	1.460	73°41'32"	93°31'55"	42.815	SS	0.000	0.000	5487498.793	658983.360	1410.862
SS	1185	1.460	73°17'27"	93°52'50"	56.856	SS	0.000	0.000	5487503.103	658996.676	1409.652
SS	1186	1.460	73°07'36"	93°52'48"	69.595	SS	0.000	0.000	5487506.948	659008.792	1408.790
SS	1187	1.460	239°49'04"	91°05'24"	121.004	SS	0.000	0.000	5487495.970	658837.765	1411.198
SS	1188	1.460	237°30'43"	92°01'20"	140.146	SS	0.000	0.000	5487411.565	658824.206	1408.554
SS	1189	1.460	233°29'49"	92°18'44"	139.341	SS	0.000	0.000	5487403.972	658830.431	1407.878
SS	1190	1.460	229°50'25"	92°51'35"	127.143	SS	0.000	0.000	5487404.899	658845.298	1407.156
SS	1191	1.460	225°23'58"	94°04'58"	116.149	SS	0.000	0.000	5487495.446	658859.866	1405.230
SS	1192	1.460	220°33'19"	95°11'50"	106.932	SS	0.000	0.000	5487405.884	658873.107	1403.813
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1	195		337°00'38"	1.550							
Note	--Orientation Notes										
Note	-- Observed Values: HA 337°00'38" VA 92°48'18" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1460.398m										
Note	-- BS Elevation Error: -0.903m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1193	1.460	349°06'15"	92°24'01"	446.377	HUB	0.000	0.000	5487555.945	658404.198	1455.896
SS	1194	1.460	354°26'45"	93°18'09"	405.034	HUB	0.000	0.000	5487520.462	658449.363	1451.257
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
1194	85		173°51'20"	1.490							
Note	--Orientation Notes										
Note	-- Observed Values: HA 173°51'20" VA 87°14'11" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.462m										
Note	-- BS Elevation Error: -1.359m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1195	1.460	198°44'12"	86°54'02"	94.476	SS	0.000	0.000	5487431.124	658419.060	1456.395
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1194	85		173°51'20"	1.490							
Note	--Orientation Notes										
Note	-- Observed Values: HA 173°51'20" VA 87°13'20" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.561m										
Note	-- BS Elevation Error: -1.261m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1196	1.460	191°24'37"	87°29'08"	84.943	SS	0.000	0.000	5487437.278	658432.575	1455.014
SS	1197	1.460	183°37'29"	88°11'05"	76.907	SS	0.000	0.000	5487443.748	658444.504	1453.723
SS	1198	1.460	173°12'12"	89°09'03"	69.987	SS	0.000	0.000	5487450.975	658457.645	1452.324
SS	1199	1.460	160°58'47"	90°08'33"	63.976	SS	0.000	0.000	5487459.979	658470.213	1451.128
SS	1200	1.460	146°13'35"	91°28'57"	62.411	SS	0.000	0.000	5487468.601	658484.047	1449.672
SS	1201	1.460	132°16'33"	91°49'17"	64.223	SS	0.000	0.000	5487477.281	658496.859	1449.246
SS	1202	1.460	122°23'34"	91°56'15"	69.945	SS	0.000	0.000	5487483.013	658508.391	1448.922
SS	1203	1.460	136°47'30"	91°56'13"	61.641	SS	0.000	0.000	5487475.560	658491.542	1449.204
SS	1204	1.460	137°06'07"	92°12'37"	47.933	SS	0.000	0.000	5487485.375	658481.967	1449.438
SS	1205	1.460	151°57'26"	92°14'22"	44.697	SS	0.000	0.000	5487481.043	658470.361	1449.540

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1206	1.460	170°54'07"	90°19'11"	44.255	SS	0.000	0.000	5487476.764	658456.361	1451.040
SS	1207	1.460	187°42'23"	88°18'20"	47.968	SS	0.000	0.000	5487472.949	658442.934	1452.705
SS	1208	1.460	196°51'06"	86°53'12"	57.563	SS	0.000	0.000	5487465.453	658432.701	1454.413
SS	1209	1.460	204°44'00"	86°21'00"	66.724	SS	0.000	0.000	5487459.982	658421.503	1455.535
SS	1210	1.460	212°43'24"	85°27'43"	73.955	SS	0.000	0.000	5487458.440	658409.510	1457.138
SS	1211	1.460	216°21'37"	84°55'53"	55.292	SS	0.000	0.000	5487476.109	658416.711	1456.172
SS	1212	1.460	208°53'04"	85°40'03"	46.349	SS	0.000	0.000	5487479.995	658427.838	1454.788
SS	1213	1.460	197°33'09"	87°31'12"	36.934	SS	0.000	0.000	5487485.281	658438.280	1452.885
SS	1214	1.460	176°37'37"	90°36'14"	29.393	SS	0.000	0.000	5487491.122	658451.093	1450.977
SS	1215	1.460	149°28'16"	94°09'05"	26.227	SS	0.000	0.000	5487497.931	658462.851	1449.388
SS	1216	1.460	124°19'58"	94°14'59"	30.623	SS	0.000	0.000	5487506.239	658474.883	1449.018
SS	1217	1.460	109°45'41"	86°44'22"	19.234	SS	0.000	0.000	5487514.004	658467.340	1449.039
SS	1218	1.460	150°49'44"	95°57'04"	11.575	SS	0.000	0.000	5487530.410	658454.975	1450.087
SS	1219	1.460	200°44'06"	87°26'31"	15.286	SS	0.000	0.000	5487506.181	658443.957	1451.989
SS	1220	1.460	230°35'58"	82°09'09"	22.871	SS	0.000	0.000	5487506.081	658431.898	1454.418
SS	1221	1.460	267°54'49"	80°01'04"	32.598	SS	0.000	0.000	5487519.294	658417.280	1456.939
SS	1222	1.460	270°47'37"	78°55'30"	13.413	SS	0.000	0.000	5487530.645	658436.302	1453.863
SS	1223	1.460	81°15'36"	100°05'07"	9.796	SS	0.000	0.000	5487521.928	658458.896	1449.572
SS	1224	1.460	80°16'29"	95°32'36"	21.052	SS	0.000	0.000	5487524.002	658470.818	1449.253
SS	1225	1.460	51°45'33"	85°32'38"	23.887	SS	0.000	0.000	5487535.179	658488.037	1448.978
SS	1226	1.460	14°40'59"	93°26'25"	13.679	SS	0.000	0.000	5487533.671	658452.824	1450.466
SS	1227	1.460	327°43'27"	84°36'13"	18.026	SS	0.000	0.000	5487535.636	658439.780	1452.982
SS	1228	1.460	305°48'38"	81°31'32"	27.761	SS	0.000	0.000	5487536.528	658427.098	1455.378
SS	1229	1.460	328°49'38"	86°37'22"	36.619	SS	0.000	0.000	5487551.739	658438.441	1453.444
SS	1230	1.460	347°35'30"	89°07'06"	36.047	SS	0.000	0.000	5487556.663	658441.618	1451.842
SS	1231	1.460	7°15'12"	92°34'41"	38.475	SS	0.000	0.000	5487556.591	658454.218	1449.556
SS	1232	1.460	21°50'29"	82°52'52"	43.777	SS	0.000	0.000	5487561.046	658465.829	1449.087
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1193	85	"	168°29'09"	1.460							
Note	--Orientation Notes										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- Observed Values: HA 168°29'09" VA 88°06'30" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 1470.394m										
Note	-- BS Elevation Error: -1.428m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1233	1.460	70°27'39"	97°10'06"	54.413	SS	0.000	0.000	5487574.001	658455.077	1449.096
SS	1234	1.460	72°37'29"	97°45'37"	41.433	SS	0.000	0.000	5487568.205	658443.378	1450.291
SS	1235	1.460	75°05'44"	97°45'33"	28.564	SS	0.000	0.000	5487563.225	658431.549	1452.029
SS	1236	1.460	86°18'49"	96°25'36"	16.881	SS	0.000	0.000	5487557.023	658420.939	1453.996
SS	1237	1.460	149°28'03"	90°04'41"	5.887	SS	0.000	0.000	5487550.874	658407.189	1455.878

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
					09/15/2011						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	1003	5489870.617	661088.394	794.325	HUB						
SP	1004	5489731.952	661043.111	792.355	HUB						
SP	1005	5489668.327	661309.020	790.255	HUB						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1005	1003		312°31'03"	1.630							
Note	--Orientation Notes										
Note	-- Observed Values: HA 312°31'03" VA 89°20'20" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 793.879m										
Note	-- BS Elevation Error: -0.446m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1014	1.460	303°06'23"	88°36'11"	10.572	HUB	0.000	0.000	5489674.100	661300.167	790.683
SS	1015	1.460	313°04'40"	90°30'33"	114.602	HUB	0.000	0.000	5489746.596	661225.315	789.407
SS	1016	1.460	65°46'50"	90°43'34"	176.889	HUB	0.000	0.000	5489740.887	661470.327	788.183
SS	1017	1.460	80°47'51"	90°02'12"	193.228	HUB	0.000	0.000	5489699.229	661499.761	790.301
SS	1018	1.460	194°58'11"	89°29'19"	64.304	HUB	0.000	0.000	5489606.208	661292.410	790.999
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1018	1005		14°58'11"	1.625							
Note	--Orientation Notes										
Note	-- Observed Values: HA 14°58'11" VA 90°39'22" HR 1.460m										
Note	-- Observed Reference: Point										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
Note	-- BS Elevation: 790.428m											
Note	-- BS Elevation Error: 0.173m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	1019	1.460	81°25'58"	90°37'11"	230.057	HUB	0.000	0.000	5489640.478	661519.887	788.676	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1019	1018		261°25'58"	1.540								
Note	--Orientation Notes											
Note	-- Observed Values: HA 261°25'58" VA 89°29'21" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 790.807m											
Note	-- BS Elevation Error: -0.192m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	1020	1.460	82°32'55"	89°50'21"	205.086	HUB	0.000	0.000	5489667.074	661723.241	789.331	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1016	1014		248°34'13"	1.570								
Note	--Orientation Notes											
Note	-- Observed Values: HA 248°34'12" VA 89°16'41" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 790.597m											
Note	-- BS Elevation Error: -0.086m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1021	1.460	245°59'57"	89°21'23"	172.291	RIVERBANK	0.000	0.000	5489670.812	661312.942	790.229
SS	1022	1.460	243°30'56"	89°21'49"	162.260	RIVERBANK	0.000	0.000	5489668.531	661325.104	790.096
SS	1023	1.460	240°43'03"	89°23'55"	150.247	RIVERBANK	0.000	0.000	5489667.403	661339.286	789.870
SS	1024	1.460	236°50'31"	89°12'49"	135.709	RIVERBANK	0.000	0.000	5489666.668	661356.726	790.156
SS	1025	1.460	233°06'11"	89°09'24"	119.760	RIVERBANK	0.000	0.000	5489668.993	661374.562	790.056
SS	1026	1.460	228°18'03"	89°06'20"	104.874	RIVERBANK	0.000	0.000	5489671.131	661392.032	789.930
SS	1027	1.460	223°04'18"	89°05'42"	91.614	RIVERBANK	0.000	0.000	5489673.971	661407.770	789.740
SS	1028	1.460	215°50'12"	88°56'35"	78.882	RIVERBANK	0.000	0.000	5489676.949	661424.151	789.748
SS	1029	1.460	207°11'07"	88°42'54"	65.922	RIVERBANK	0.000	0.000	5489682.262	661440.216	789.772
SS	1030	1.460	196°58'46"	88°43'54"	56.752	RIVERBANK	0.000	0.000	5489686.622	661453.757	789.550
SS	1031	1.460	184°51'26"	88°26'37"	46.444	RIVERBANK	0.000	0.000	5489694.627	661466.395	789.555
SS	1032	1.460	168°18'02"	87°45'08"	40.296	RIVERBANK	0.000	0.000	5489701.458	661478.491	789.874
SS	1033	1.460	146°29'55"	87°53'31"	37.711	RIVERBANK	0.000	0.000	5489709.462	661491.128	789.681
SS	1034	1.460	122°38'09"	88°39'00"	38.882	RIVERBANK	0.000	0.000	5489719.924	661503.060	789.209
SS	1035	1.460	109°18'38"	88°48'40"	42.722	RIVERBANK	0.000	0.000	5489726.763	661510.637	789.180
SS	1036	1.460	94°46'56"	89°14'42"	50.425	RIVERBANK	0.000	0.000	5489736.683	661520.571	788.988
SS	1037	1.460	83°26'53"	89°28'54"	62.533	RIVERBANK	0.000	0.000	5489748.022	661532.448	788.859
SS	1038	1.460	80°09'22"	89°28'46"	68.565	RIVERBANK	0.000	0.000	5489752.609	661537.879	788.916
SS	1039	1.460	77°06'37"	88°55'48"	74.960	RIVERBANK	0.000	0.000	5489757.606	661543.384	789.693
SS	1040	1.460	73°41'00"	89°39'50"	81.487	RIVERBANK	0.000	0.000	5489763.780	661548.530	788.771
SS	1041	1.460	69°56'05"	89°51'52"	92.790	RIVERBANK	0.000	0.000	5489772.722	661557.484	788.513
SS	1042	1.460	66°14'51"	89°53'40"	106.438	RIVERBANK	0.000	0.000	5489783.758	661567.748	788.489
SS	1043	1.460	64°14'53"	89°58'05"	113.930	RIVERBANK	0.000	0.000	5489790.387	661572.941	788.357
SS	1044	1.460	61°04'54"	90°00'14"	127.918	RIVERBANK	0.000	0.000	5489802.743	661582.295	788.291
SS	1045	1.460	59°52'11"	90°47'56"	126.439	SS	0.000	0.000	5489804.349	661579.671	786.530
SS	1046	1.460	62°35'44"	90°57'39"	113.261	SS	0.000	0.000	5489793.010	661570.863	786.394
SS	1047	1.460	65°55'32"	90°49'21"	101.029	SS	0.000	0.000	5489782.095	661562.558	786.843
SS	1048	1.460	69°23'06"	90°56'19"	87.839	SS	0.000	0.000	5489771.810	661582.530	786.854
SS	1049	1.460	72°13'10"	91°11'01"	74.984	SS	0.000	0.000	5489763.780	661541.713	786.744
SS	1050	1.460	77°48'28"	91°18'55"	63.508	SS	0.000	0.000	5489754.296	661532.386	786.836
SS	1051	1.460	86°26'24"	91°23'43"	52.964	SS	0.000	0.000	5489744.175	661523.172	787.004
SS	1052	1.460	98°31'22"	91°36'37"	42.869	SS	0.000	0.000	5489734.536	661512.705	787.089
SS	1053	1.460	117°14'19"	91°33'40"	36.069	SS	0.000	0.000	5489724.385	661502.383	787.311

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1054	1.460	137°52'33"	91°06'23"	34.209	SS	0.000	0.000	5489715.519	661493.268	787.633
SS	1055	1.460	165°12'49"	90°38'50"	36.797	SS	0.000	0.000	5489705.311	661479.717	787.878
SS	1056	1.460	182°49'39"	90°23'44"	43.172	SS	0.000	0.000	5489697.769	661468.197	787.995
SS	1057	1.460	196°01'36"	90°07'33"	53.130	SS	0.000	0.000	5489689.822	661455.658	788.177
SS	1058	1.460	206°49'20"	90°15'12"	62.155	SS	0.000	0.000	5489685.420	661442.281	788.019
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station. Profile: topcon. Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1016	1014		248°34'13"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 248°34'12" VA 80°15'37" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 790.653m										
Note	-- BS Elevation Error: -0.029m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1059	1.460	216°47'36"	90°18'46"	76.080	SS	0.000	0.000	5489679.963	661424.761	787.878
SS	1060	1.460	223°52'30"	90°15'03"	88.613	SS	0.000	0.000	5489677.010	661408.911	787.905
SS	1061	1.460	229°20'16"	90°01'59"	101.997	SS	0.000	0.000	5489674.426	661392.956	788.234
SS	1062	1.460	233°47'20"	90°02'06"	115.699	SS	0.000	0.000	5489672.536	661376.975	788.223
SS	1063	1.460	237°42'03"	90°07'36"	129.167	SS	0.000	0.000	5489671.868	661361.146	788.008
SS	1064	1.460	240°45'09"	90°09'14"	144.559	SS	0.000	0.000	5489670.258	661344.197	787.905
SS	1065	1.460	244°06'35"	90°03'44"	158.697	SS	0.000	0.000	5489671.592	661327.558	788.121
SS	1066	1.460	251°33'18"	89°39'50"	161.995	SS	0.000	0.000	5489689.633	661316.656	789.244
SS	1067	1.460	248°17'44"	89°39'15"	149.209	SS	0.000	0.000	5489685.708	661331.699	789.194
SS	1068	1.460	245°49'12"	89°44'57"	134.912	SS	0.000	0.000	5489685.627	661347.252	788.884
SS	1069	1.460	242°40'36"	89°45'03"	120.509	SS	0.000	0.000	5489685.572	661363.264	788.817
SS	1070	1.460	240°38'48"	89°46'23"	104.838	SS	0.000	0.000	5489689.497	661378.951	788.709
SS	1071	1.460	238°54'07"	89°54'41"	88.704	SS	0.000	0.000	5489695.071	661394.370	788.431
SS	1072	1.460	231°19'23"	89°54'36"	73.073	SS	0.800	0.000	5489695.222	661413.280	788.408
SS	1073	1.460	223°30'32"	89°58'32"	58.950	SS	0.000	0.000	5489698.132	661429.742	788.318

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	1074	1.460	215°06'52"	90°17'13"	44.450	SS	0.000	0.000	5489704.527	661444.758	788.071	
SS	1075	1.460	200°53'10"	90°22'36"	34.020	SS	0.000	0.000	5489709.103	661458.198	788.070	
SS	1076	1.460	176°30'37"	90°36'33"	25.582	SS	0.000	0.000	5489715.354	661471.884	788.021	
SS	1077	1.460	136°28'51"	91°24'57"	22.109	SS	0.000	0.000	5489724.860	661485.546	787.747	
SS	1078	1.460	102°45'36"	92°40'58"	27.836	SS	0.000	0.000	5489734.746	661497.445	786.990	
SS	1079	1.460	83°08'01"	92°11'15"	38.481	SS	0.000	0.000	5489745.484	661508.504	786.825	
SS	1080	1.460	73°31'35"	91°49'09"	51.632	SS	0.000	0.000	5489755.521	661519.814	786.654	
SS	1081	1.460	66°42'10"	91°27'54"	65.791	SS	0.000	0.000	5489766.899	661530.734	786.611	
SS	1082	1.460	62°36'15"	91°18'11"	79.149	SS	0.000	0.000	5489777.297	661540.581	786.493	
SS	1083	1.460	60°10'33"	91°04'25"	93.214	SS	0.000	0.000	5489787.238	661551.181	786.547	
SS	1084	1.460	57°54'59"	91°06'21"	107.733	SS	0.000	0.000	5489798.099	661561.589	786.214	
SS	1085	1.460	56°07'17"	91°02'09"	117.086	SS	0.000	0.000	5489806.144	661567.518	786.177	
SS	1086	1.460	55°12'06"	90°56'50"	95.105	SS	0.000	0.000	5489795.155	661548.413	786.721	
SS	1087	1.460	55°15'10"	90°53'22"	79.204	SS	0.000	0.000	5489786.024	661535.398	787.064	
SS	1088	1.460	57°07'12"	91°05'10"	62.539	SS	0.000	0.000	5489774.832	661522.838	787.108	
SS	1089	1.460	60°58'51"	91°13'44"	47.719	SS	0.000	0.000	5489764.030	661512.048	787.270	
SS	1090	1.460	66°14'44"	91°27'38"	32.914	SS	0.000	0.000	5489754.141	661500.442	787.454	
SS	1091	1.460	78°25'30"	93°39'45"	19.187	SS	0.000	0.000	5489744.729	661489.088	787.068	
SS	1092	1.460	129°06'00"	96°36'28"	7.803	SS	0.000	0.000	5489735.998	661476.342	787.395	
SS	1093	1.460	211°52'44"	92°17'54"	15.129	SS	0.000	0.000	5489728.050	661462.343	787.687	
SS	1094	1.460	230°27'52"	90°34'07"	29.150	SS	0.000	0.000	5489722.332	661447.847	788.004	
SS	1095	1.460	232°51'51"	90°05'15"	43.762	SS	0.000	0.000	5489714.468	661435.440	788.227	
SS	1096	1.460	235°56'30"	90°16'49"	58.770	SS	0.000	0.000	5489707.974	661421.638	788.008	
SS	1097	1.460	238°37'58"	90°12'09"	74.264	SS	0.000	0.000	5489702.230	661406.917	788.031	
SS	1098	1.460	245°22'13"	89°51'04"	87.200	SS	0.000	0.000	5489704.546	661391.060	788.520	
SS	1099	1.460	248°32'26"	89°50'58"	100.647	SS	0.000	0.000	5489704.066	661376.658	788.558	
SS	1100	1.460	250°30'58"	89°50'58"	115.947	SS	0.000	0.000	5489702.214	661361.019	788.598	
SS	1101	1.460	251°37'23"	89°47'01"	120.897	SS	0.000	0.000	5489702.772	661355.595	788.750	
SS	1102	1.460	251°37'34"	89°40'14"	105.560	SS	0.000	0.000	5489707.613	661370.150	788.900	
SS	1103	1.460	251°35'30"	89°45'16"	90.678	SS	0.000	0.000	5489712.252	661384.289	788.682	
SS	1104	1.460	251°21'11"	89°47'39"	72.286	SS	0.000	0.000	5489717.774	661401.838	788.558	
SS	1105	1.460	251°33'56"	89°42'30"	57.810	SS	0.000	0.000	5489722.606	661415.484	788.586	
SS	1106	1.460	252°01'45"	89°59'48"	42.584	SS	0.000	0.000	5489727.748	661429.820	788.296	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	1107	1.460	252°09'04"	90°16'02"	26.230	SS	0.000	0.000	5489732.847	661445.360	788.171	
SS	1108	1.460	249°32'22"	92°37'59"	12.710	SS	0.000	0.000	5489736.449	661458.431	787.709	
SS	1109	1.460	61°44'24"	95°08'54"	14.496	SS	0.000	0.000	5489747.723	661483.044	786.993	
SS	1110	1.460	214°49'30"	88°55'01"	82.416	HUB	0.000	0.000	5489673.243	661423.269	789.851	
SS	1111	1.460	76°26'04"	88°39'39"	78.390	HUB	0.000	0.000	5489759.269	661546.509	790.125	
SS	1112	1.460	45°48'09"	91°13'38"	24.261	HUB	0.000	0.000	5489757.796	661487.716	787.774	
SS	1113	1.460	40°35'20"	90°20'01"	31.458	HUB	0.000	0.000	5489764.776	661490.794	788.110	
SS	1114	1.460	14°51'19"	90°35'12"	24.578	HUB	0.000	0.000	5489764.642	661476.622	788.042	
SS	1115	1.460	341°39'35"	90°44'21"	25.722	HUB	0.000	0.000	5489765.300	661462.234	787.962	
SS	1116	1.460	317°49'34"	90°17'03"	34.727	HUB	0.000	0.000	5489766.623	661447.011	788.121	
SS	1117	1.460	315°46'49"	90°32'49"	28.345	HUB	0.000	0.000	5489761.200	661490.559	788.023	
SS	1118	1.460	332°36'49"	91°57'44"	18.716	HUB	0.000	0.000	5489757.496	661461.722	787.652	
SS	1119	1.460	13°49'20"	85°32'38"	11.197	HUB	0.000	0.000	5489751.709	661472.989	787.212	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1111	1016		256°26'04"	1.560								
Note	--Orientation Notes											
Note	-- Observed Values: HA 256°26'04" VA 92°12'42" HR 1.460m											
Note	-- Observed Reference: Point											

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- BS Elevation: 787.199m										
Note	-- BS Elevation Error: -0.985m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1120	1.460	263°06'58"	91°02'18"	80.076	SS	0.000	0.000	5489749.673	661467.024	788.774
SS	1121	1.460	267°07'41"	90°41'42"	90.396	SS	0.000	0.000	5489754.740	661456.233	789.129
SS	1122	1.460	271°11'58"	90°54'10"	102.696	SS	0.000	0.000	5489761.418	661443.848	788.607
SS	1123	1.460	275°55'25"	90°56'12"	114.428	SS	0.000	0.000	5489771.076	661432.707	788.355
SS	1124	1.460	280°48'17"	91°03'13"	104.316	SS	0.000	0.000	5489778.821	661444.059	788.307
SS	1125	1.460	276°49'36"	91°02'01"	91.446	SS	0.000	0.000	5489770.137	661455.726	788.576
SS	1126	1.460	282°50'06"	91°31'11"	56.816	SS	0.000	0.000	5489771.886	661491.132	788.719
SS	1127	1.460	289°04'53"	91°13'20"	72.800	SS	0.000	0.000	5489783.063	661477.724	788.680
SS	1128	1.460	292°57'48"	91°13'31"	77.643	SS	0.000	0.000	5489789.554	661475.035	788.565
SS	1129	1.460	303°56'54"	91°28'21"	72.216	SS	0.000	0.000	5489790.584	661486.622	788.370
SS	1130	1.460	299°32'04"	91°49'28"	56.368	SS	0.000	0.000	5489787.051	661497.473	788.430
SS	1131	1.460	295°05'22"	92°33'27"	41.744	SS	0.000	0.000	5489776.952	661508.741	788.363
SS	1132	1.460	317°12'25"	93°22'50"	37.324	SS	0.000	0.000	5489786.610	661521.197	788.024
SS	1133	1.460	316°19'04"	92°05'23"	53.041	SS	0.000	0.000	5489790.856	661511.260	788.291
SS	1134	1.460	319°47'46"	91°40'43"	67.269	SS	0.000	0.000	5489810.624	661503.104	788.255
SS	1135	1.460	331°03'38"	91°46'22"	70.427	SS	0.000	0.000	5489820.872	661512.447	788.047
SS	1136	1.460	335°40'03"	92°35'42"	56.365	SS	0.000	0.000	5489810.574	661523.308	787.673
SS	1137	1.460	339°47'10"	94°01'12"	48.366	SS	0.000	0.000	5489824.562	661529.832	786.833
SS	1138	1.460	342°46'27"	93°31'41"	39.539	SS	0.000	0.000	5489780.962	661534.822	787.792
SS	1139	1.460	0°11'47"	93°14'25"	45.828	SS	0.000	0.000	5489805.023	661546.866	787.635
SS	1140	1.460	352°03'13"	93°26'56"	55.519	SS	0.000	0.000	5489814.155	661538.847	786.885
SS	1141	1.460	346°55'57"	92°11'03"	63.365	SS	0.000	0.000	5489820.948	661532.192	787.819
SS	1142	1.460	343°28'06"	91°45'41"	74.671	SS	0.000	0.000	5489830.819	661525.269	787.930
SS	1143	1.460	353°02'00"	91°42'01"	81.964	SS	0.000	0.000	5489840.592	661536.572	787.793
SS	1144	1.460	358°56'39"	92°14'32"	69.677	SS	0.000	0.000	5489826.881	661545.226	787.499
SS	1145	1.460	4°04'57"	93°08'52"	61.426	SS	0.000	0.000	5489820.447	661550.879	786.852
SS	1146	1.460	7°49'25"	92°51'29"	56.795	SS	0.000	0.000	5489814.476	661554.094	787.443
SS	1147	1.460	17°47'54"	92°32'07"	66.302	SS	0.000	0.000	5489821.384	661566.450	787.337

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1148	1.460	12°38'10"	92°38'09"	70.628	SS	0.000	0.000	5489828.113	661561.943	786.977
SS	1149	1.460	8°00'56"	91°56'36"	77.631	SS	0.000	0.000	5489836.097	661557.328	787.593
SS	1150	1.460	2°41'30"	91°41'24"	87.354	SS	0.000	0.000	5489846.489	661550.609	787.649
SS	1151	1.460	9°41'02"	91°46'42"	96.027	SS	0.000	0.000	5489853.882	661562.654	787.245
SS	1152	1.460	15°59'10"	92°04'37"	85.602	SS	0.000	0.000	5489841.506	661570.088	787.123
SS	1153	1.460	22°17'15"	92°18'07"	78.017	SS	0.000	0.000	5489831.399	661576.073	787.092
SS	1154	1.460	24°55'33"	93°01'56"	74.159	SS	0.000	0.000	5489820.426	661577.719	786.303
SS	1155	1.460	26°35'08"	92°31'10"	79.387	SS	0.000	0.000	5489836.193	661582.003	786.736
SS	1156	1.460	18°13'41"	92°04'58"	85.925	SS	0.000	0.000	5489840.828	661573.288	787.103
SS	1157	1.460	11°52'41"	91°46'03"	97.440	SS	0.000	0.000	5489854.577	661566.555	787.220
SS	1158	1.460	18°01'27"	91°41'14"	106.163	SS	0.000	0.000	5489860.179	661578.343	787.100
SS	1159	1.460	24°58'51"	91°56'18"	98.645	SS	0.000	0.000	5489846.635	661568.144	786.886
SS	1160	1.460	33°01'19"	92°21'45"	95.008	SS	0.000	0.000	5489838.861	661568.240	786.309
SS	1161	1.460	36°52'06"	92°07'50"	93.516	SS	0.000	0.000	5489834.031	661602.577	786.749
SS	1162	1.460	24°40'44"	91°40'27"	121.277	WATEREDG	0.000	0.000	5489860.421	661597.124	786.682
SS	1163	1.460	19°54'32"	91°47'47"	113.719	WATEREDG	0.000	0.000	5489846.139	661586.214	786.661
SS	1164	1.460	15°11'35"	91°53'05"	106.243	WATEREDG	0.000	0.000	5489861.743	661574.337	786.731
SS	1165	1.460	9°05'54"	91°58'32"	100.083	WATEREDG	0.000	0.000	5489858.033	661562.325	786.775
SS	1166	1.460	1°41'06"	92°01'46"	94.797	WATEREDG	0.000	0.000	5489853.966	661548.299	786.868
SS	1167	1.460	353°44'03"	92°02'58"	88.989	WATEREDG	0.000	0.000	5489847.670	661536.803	787.043
SS	1168	1.460	346°13'42"	92°07'27"	83.188	WATEREDG	0.000	0.000	5489840.009	661526.719	787.142
SS	1169	1.460	338°08'03"	92°11'31"	77.626	WATEREDG	0.000	0.000	5489831.258	661517.619	787.256
SS	1170	1.460	328°54'00"	92°10'24"	75.063	WATEREDG	0.000	0.000	5489823.497	661507.764	787.379
SS	1171	1.460	318°55'06"	92°04'52"	73.515	WATEREDG	0.000	0.000	5489814.646	661496.232	787.556
SS	1172	1.460	309°49'04"	91°56'53"	75.142	WATEREDG	0.000	0.000	5489807.358	661488.827	787.671
SS	1173	1.460	300°56'18"	91°46'22"	77.953	WATEREDG	0.000	0.000	5489799.326	661479.679	787.814
SS	1174	1.460	293°46'49"	91°34'02"	85.291	WATEREDG	0.000	0.000	5489793.648	661468.489	787.893
SS	1175	1.460	288°07'42"	91°22'03"	84.772	WATEREDG	0.030	0.000	5489788.748	661456.462	787.964
SS	1176	1.460	283°35'00"	91°07'50"	104.336	WATEREDG	0.000	0.000	5489783.768	661445.111	788.167
SS	1177	1.460	278°45'37"	91°02'59"	113.575	WATEREDG	0.000	0.000	5489776.563	661434.276	788.145
SS	1178	1.460	276°15'02"	90°56'37"	124.677	WATEREDG	0.000	0.000	5489772.841	661422.599	788.172
SS	1179	1.460	19°29'13"	91°23'50"	145.035	WATEREDG	0.000	0.000	5489898.955	661594.877	786.689
SS	1180	1.460	16°12'49"	91°29'16"	135.002	WATEREDG	0.000	0.000	5489888.858	661584.194	786.720

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1181	1.460	11°03'49"	91°31'40"	126.472	WATEREDG	0.000	0.000	5489883.346	661570.770	786.853
SS	1182	1.460	5°44'22"	91°34'41"	120.539	WATEREDG	0.000	0.000	5489879.158	661558.559	786.906
SS	1183	1.460	0°46'19"	91°39'40"	115.059	WATEREDG	0.000	0.000	5489874.269	661548.058	786.890
SS	1184	1.460	355°22'42"	91°43'14"	110.268	WATEREDG	0.000	0.000	5489869.128	661537.628	786.915
SS	1185	1.460	349°21'06"	91°43'17"	106.159	WATEREDG	0.000	0.000	5489863.570	661527.988	787.066
SS	1186	1.460	341°47'13"	91°40'45"	102.058	WATEREDG	0.000	0.000	5489858.172	661514.624	787.233
SS	1187	1.460	334°19'12"	91°42'04"	98.530	WATEREDG	0.000	0.000	5489848.027	661503.930	787.300
SS	1188	1.460	326°16'33"	91°39'42"	86.078	WATEREDG	0.000	0.000	5489839.145	661493.188	787.439
SS	1189	1.460	318°58'47"	91°36'57"	96.846	WATEREDG	0.000	0.000	5489831.554	661483.828	787.523
SS	1190	1.460	311°05'32"	91°27'16"	99.052	WATEREDG	0.000	0.000	5489824.352	661471.882	787.711
SS	1191	1.460	303°39'23"	91°17'54"	104.129	WATEREDG	0.000	0.000	5489818.963	661459.957	787.868
SS	1192	1.460	297°39'35"	91°07'55"	111.261	WATEREDG	0.000	0.000	5489810.908	661447.988	788.027
SS	1193	1.460	292°37'10"	91°00'33"	121.827	WATEREDG	0.000	0.000	5489806.117	661436.070	788.080
SS	1194	1.460	288°49'22"	90°53'37"	131.357	WATEREDG	0.000	0.000	5489801.645	661422.192	788.177
SS	1195	1.460	285°51'35"	90°47'50"	144.312	WATEREDG	0.000	0.000	5489798.703	661407.704	788.217
SS	1196	1.460	283°10'24"	90°42'28"	156.597	WATEREDG	0.000	0.000	5489784.954	661384.044	788.291
SS	1197	1.460	280°45'40"	90°39'30"	168.245	WATEREDG	0.000	0.000	5489790.867	661380.253	788.281
SS	1198	1.460	278°57'44"	90°37'04"	178.869	WATEREDG	0.000	0.000	5489787.132	661369.834	788.297
SS	1199	1.460	278°08'55"	90°35'22"	190.911	WATEREDG	0.000	0.000	5489788.327	661357.530	788.261
SS	1200	1.460	277°19'28"	90°31'59"	203.261	WATEREDG	0.000	0.000	5489789.179	661344.918	788.334
SS	1201	1.460	276°17'04"	90°28'41"	215.446	WATEREDG	0.000	0.000	5489782.852	661332.365	788.428
SS	1202	1.460	275°07'44"	90°23'24"	227.442	WATEREDG	0.000	0.000	5489779.601	661319.983	788.677
SS	1203	1.460	273°44'31"	90°22'01"	239.995	WATEREDG	0.000	0.000	5489774.931	661307.030	788.688
SS	1204	1.460	274°15'21"	99°37'30"	261.379	RIVERBANK	0.000	0.000	5489777.923	661295.828	791.871
SS	1205	1.460	275°46'28"	89°39'09"	236.781	RIVERBANK	0.000	0.000	5489783.092	661310.934	791.661
SS	1206	1.460	277°33'50"	89°44'31"	225.052	RIVERBANK	0.000	0.000	5489788.893	661323.417	791.239
SS	1207	1.460	277°50'10"	99°55'48"	211.229	RIVERBANK	0.000	0.000	5489788.068	661337.252	790.486
SS	1208	1.460	278°54'06"	99°55'46"	197.849	RIVERBANK	0.000	0.000	5489789.878	661351.042	790.469
SS	1209	1.460	279°48'59"	90°01'15"	182.241	RIVERBANK	0.000	0.000	5489790.339	661366.936	790.159
SS	1210	1.460	281°10'21"	90°14'10"	173.306	RIVERBANK	0.000	0.000	5489792.849	661376.469	789.511
SS	1211	1.460	283°49'56"	90°15'46"	161.261	RIVERBANK	0.000	0.000	5489797.823	661389.927	789.486
SS	1212	1.460	285°47'13"	90°11'02"	150.315	RIVERBANK	0.000	0.000	5489839.164	661401.864	789.743
SS	1213	1.460	288°49'14"	90°20'55"	138.713	RIVERBANK	0.000	0.000	5489804.018	661415.215	789.381

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1214	1.460	292°16'58"	90°27'13"	125.355	RIVERBANK	0.000	0.000	5489806.799	661430.518	789.233
SS	1215	1.460	296°28'07"	90°33'23"	114.986	RIVERBANK	0.000	0.000	5489810.516	661443.581	789.109
SS	1216	1.460	303°08'11"	90°43'24"	106.925	RIVERBANK	0.000	0.000	5489817.713	661456.980	788.876
SS	1217	1.460	311°08'38"	90°41'13"	101.980	RIVERBANK	0.000	0.000	5489826.362	661469.717	789.003
SS	1218	1.460	319°51'43"	90°48'08"	99.001	RIVERBANK	0.000	0.000	5489834.947	661482.696	788.839
SS	1219	1.460	328°40'44"	90°51'02"	99.840	RIVERBANK	0.000	0.000	5489844.550	661494.614	788.743
SS	1220	1.460	336°00'34"	91°05'26"	101.846	RIVERBANK	0.000	0.000	5489852.300	661505.167	788.287
SS	1221	1.460	343°17'37"	91°07'29"	106.477	RIVERBANK	0.000	0.000	5489861.232	661515.908	788.135
SS	1222	1.460	350°06'42"	91°04'40"	110.348	RIVERBANK	0.000	0.000	5489867.959	661527.562	788.150
SS	1223	1.460	356°34'58"	91°02'25"	113.021	RIVERBANK	0.000	0.000	5489872.071	661539.773	788.173
SS	1224	1.460	2°46'01"	91°04'07"	119.101	RIVERBANK	0.000	0.000	5489878.210	661552.257	788.004
SS	1225	1.460	8°15'44"	91°03'56"	125.026	RIVERBANK	0.000	0.000	5489882.976	661564.472	787.909
SS	1226	1.460	13°33'46"	91°04'11"	132.244	RIVERBANK	0.000	0.000	5489887.802	661577.516	787.757
SS	1227	1.460	17°57'41"	91°15'22"	141.381	RIVERBANK	0.000	0.000	5489893.728	661590.097	787.126
SS	1228	1.460	19°57'28"	91°04'25"	149.552	RIVERBANK	0.000	0.000	5489898.814	661597.546	787.423
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1111	1016		256°26'04"	1.560							
Note	-Orientation Notes										
Note	- Observed Values: HA 256°26'04" VA 92°10'41" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 787.245m										
Note	- BS Elevation Error: -0.939m.										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1229	1.460	52°33'37"	94°02'31"	15.437	SS	0.000	0.000	5489768.630	661558.735	789.137
SS	1230	1.460	53°55'59"	92°10'08"	30.914	SS	0.000	0.000	5489777.456	661571.480	789.055
SS	1231	1.460	58°48'38"	91°31'27"	45.949	SS	0.000	0.000	5489783.056	661585.802	789.003
SS	1232	1.460	75°02'55"	91°05'32"	52.171	SS	0.000	0.000	5489772.726	661596.905	789.231
SS	1233	1.460	78°53'02"	90°58'29"	36.917	SS	0.000	0.000	5489766.385	661582.728	789.597

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1234	1.460	89°37'27"	91°26'47"	22.640	SS	0.000	0.000	5489759.417	661569.142	789.654
SS	1235	1.460	131°48'21"	95°16'33"	13.446	SS	0.000	0.000	5489750.343	661556.489	788.989
SS	1236	1.460	187°39'18"	94°15'29"	17.502	SS	0.000	0.000	5489741.971	661544.184	788.926
SS	1237	1.460	207°02'25"	91°40'44"	29.448	SS	0.000	0.000	5489733.051	661533.127	789.363
SS	1238	1.460	187°15'55"	91°43'58"	38.220	SS	0.000	0.000	5489721.373	661541.678	789.070
SS	1239	1.460	162°19'49"	92°34'28"	26.102	SS	0.000	0.000	5489734.424	661554.423	789.053
SS	1240	1.460	128°41'18"	94°00'31"	23.311	SS	0.000	0.000	5489744.733	661564.656	788.596
SS	1241	1.460	104°21'10"	91°55'40"	32.265	SS	0.000	0.000	5489751.275	661577.748	789.140
SS	1242	1.460	96°31'08"	91°56'16"	44.848	SS	0.000	0.000	5489754.180	661591.042	788.709
SS	1243	1.460	101°40'43"	91°41'50"	71.645	HUB	0.000	0.000	5489744.773	661616.640	788.103
SS	1244	1.460	146°05'38"	92°16'25"	38.473	SS	0.000	0.000	5489727.363	661567.654	788.696
SS	1245	1.460	146°04'23"	91°58'07"	52.593	SS	0.000	0.000	5489715.655	661575.848	788.419
SS	1246	1.460	158°45'27"	91°58'12"	54.029	SS	0.000	0.000	5489708.941	661566.073	788.368
SS	1247	1.460	178°40'52"	91°23'49"	54.443	SS	0.000	0.000	5489704.856	661547.762	788.898
SS	1248	1.460	194°16'09"	90°46'23"	56.057	SS	0.000	0.000	5489704.946	661532.693	789.469
SS	1249	1.460	204°58'22"	90°24'31"	52.816	SS	0.000	0.000	5489711.392	661524.211	789.849
SS	1250	1.460	219°01'14"	90°58'02"	46.263	SS	0.000	0.000	5489723.332	661517.386	789.444
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1110	1111		55°05'01"	1.555							
Note	-Orientation Notes										
Note	- Observed Values: HA 55°05'01" VA 89°57'09" IR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 790.071m										
Note	- BS Elevation Error: -0.065m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1251	1.460	24°06'29"	91°25'10"	73.778	SS	0.000	0.000	5489740.566	661453.395	788.119
SS	1252	1.460	13°45'42"	91°13'18"	66.483	SS	0.000	0.000	5489737.803	661439.081	788.529
SS	1253	1.460	0°43'09"	90°59'03"	67.806	SS	0.000	0.000	5489741.034	661424.120	788.782

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1254	1.460	347°27'14"	90°34'48"	69.005	SS	0.000	0.000	5489740.597	661408.280	789.248
SS	1255	1.460	333°23'05"	90°27'55"	72.724	SS	0.000	0.000	5489738.259	661390.690	789.356
SS	1256	1.460	322°28'54"	90°17'50"	77.462	SS	0.000	0.000	5489734.682	661376.094	789.544
SS	1257	1.460	313°15'54"	90°23'16"	81.401	SS	0.000	0.000	5489729.032	661363.995	789.395
SS	1258	1.460	306°53'44"	90°33'42"	85.902	SS	0.000	0.000	5489724.813	661354.574	789.104
SS	1259	1.460	299°56'07"	90°29'34"	91.867	SS	0.000	0.000	5489719.085	661343.662	789.156
SS	1260	1.460	295°26'10"	90°28'39"	99.656	SS	0.000	0.000	5489715.048	661333.279	789.118
SS	1261	1.460	291°50'38"	90°12'43"	111.729	SS	0.000	0.000	5489714.815	661319.669	789.538
SS	1262	1.460	288°00'33"	90°12'50"	123.578	SS	0.000	0.000	5489711.450	661305.746	789.485
SS	1263	1.460	283°25'47"	90°08'36"	133.594	SS	0.000	0.000	5489704.271	661293.329	789.612
SS	1264	1.460	279°04'20"	90°08'37"	141.583	SS	0.000	0.000	5489695.571	661283.489	789.591
SS	1265	1.460	275°19'53"	90°31'47"	147.814	SS	0.000	0.000	5489689.977	661276.101	788.568
SS	1266	1.460	274°26'05"	89°58'31"	146.217	RIVERBANK	0.000	0.000	5489684.549	661277.490	789.967
SS	1267	1.460	273°26'53"	89°53'07"	136.447	RIVERBANK	0.000	0.000	5489681.450	661287.070	790.219
SS	1268	1.460	270°58'20"	89°53'52"	127.795	RIVERBANK	0.000	0.000	5489675.412	661283.489	790.174
SS	1269	1.460	277°48'36"	90°19'46"	119.760	SS	0.000	0.000	5489689.517	661304.622	789.258
SS	1270	1.460	279°25'38"	90°22'58"	98.182	SS	0.000	0.000	5489689.325	661326.415	789.290
SS	1271	1.460	284°50'29"	90°34'07"	87.583	SS	0.000	0.000	5489695.676	661338.613	789.077
SS	1272	1.460	291°02'01"	90°39'56"	75.955	SS	0.000	0.000	5489705.503	661392.389	789.064
SS	1273	1.460	323°54'27"	90°23'12"	82.426	SS	0.000	0.000	5489739.847	661374.714	789.390
SS	1274	1.460	329°09'45"	90°35'15"	85.379	SS	0.000	0.000	5489746.548	661379.506	789.071
SS	1275	1.460	335°45'14"	90°34'59"	83.953	SS	0.000	0.000	5489749.786	661388.795	789.092
SS	1276	1.460	342°20'10"	90°35'01"	87.438	SS	0.000	0.000	5489756.555	661396.789	789.056
SS	1277	1.460	350°49'07"	90°46'31"	85.251	SS	0.000	0.000	5489757.394	661409.669	788.793
SS	1278	1.460	357°24'53"	90°42'05"	86.062	SS	0.000	0.000	5489759.211	661419.388	788.893
SS	1279	1.460	4°59'00"	90°54'58"	79.483	SS	0.000	0.000	5489752.415	661430.173	788.675
SS	1280	1.460	13°15'57"	90°49'41"	84.577	SS	0.000	0.000	5489755.555	661442.679	788.724
SS	1281	1.460	73°34'54"	90°54'34"	36.026	SS	0.000	0.000	5489683.425	661457.822	789.374
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm "	BS Read	Inst Ht "							
1110	1111	,	55°05'01"	1.555							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
Note	--Orientation Notes											
Note	-- Observed Values: HA 55°05'01" VA 90°29'52" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 788.640m											
Note	-- BS Elevation Error: -1.485m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	1282	1.460	92°37'35"	90°42'47"	37.707	SS	0.000	0.000	5489671.516	661460.934	789.477	
SS	1283	1.460	113°02'30"	90°53'36"	46.802	SS	0.000	0.000	5489654.927	661466.332	789.216	
SS	1284	1.460	120°25'17"	90°33'29"	50.889	SS	0.000	0.000	5489647.476	661467.150	789.451	
SS	1285	1.460	133°49'33"	90°41'41"	39.863	SS	0.000	0.000	5489645.641	661452.026	789.463	
SS	1286	1.460	120°56'29"	91°04'18"	26.571	SS	0.000	0.000	5489659.584	661446.055	789.449	
SS	1287	1.460	87°57'41"	91°24'16"	16.330	SS	0.000	0.000	5489673.824	661439.584	789.546	
SS	1288	1.460	156°03'13"	93°06'01"	4.878	SS	0.000	0.000	5489668.791	661425.246	789.682	
SS	1289	1.460	159°26'55"	90°58'46"	21.123	SS	0.000	0.000	5489663.468	661430.683	789.585	
SS	1290	1.460	160°06'04"	90°37'54"	37.155	SS	0.000	0.000	5489638.309	661435.915	789.537	
SS	1291	1.460	182°56'38"	90°17'02"	39.990	SS	0.000	0.000	5489633.307	661421.216	789.748	
SS	1292	1.460	192°07'25"	90°25'11"	26.301	SS	0.000	0.000	5489647.529	661417.748	789.753	
SS	1293	1.460	223°22'30"	90°37'42"	15.415	SS	0.000	0.000	5489652.039	661412.683	789.777	
SS	1294	1.460	239°00'09"	90°14'27"	28.933	SS	0.000	0.000	5489658.343	661398.468	789.825	
SS	1295	1.460	216°10'31"	90°32'40"	38.821	SS	0.000	0.000	5489641.908	661400.356	789.577	
SS	1296	1.460	204°22'29"	90°09'02"	49.788	SS	0.000	0.000	5489627.894	661402.722	789.815	
SS	1297	1.460	215°10'33"	90°02'45"	61.108	SS	0.000	0.000	5489683.295	661388.683	789.897	
SS	1298	1.460	224°41'45"	90°08'48"	53.852	SS	0.000	0.000	5489634.963	661385.393	789.808	
SS	1299	1.460	235°46'42"	89°56'49"	47.910	SS	0.000	0.000	5489646.299	661383.654	789.991	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1017	1019		161°05'25"	1.030							
Note	--Orientation Notes										
Note	-- Observed Values: HA 161°05'25" VA 91°07'31" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 788.651m										
Note	-- BS Elevation Error: -0.024m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1300	1.460	244°15'33"	91°00'12"	23.608	SS	0.000	0.000	5489688.977	661478.499	789.458
SS	1301	1.460	223°23'27"	91°15'10"	32.964	SS	0.000	0.000	5489675.280	661477.121	789.151
SS	1302	1.460	207°04'28"	90°45'09"	40.474	SS	0.000	0.000	5489663.193	661481.341	789.340
SS	1303	1.460	196°42'22"	90°22'41"	53.552	SS	0.000	0.000	5489647.938	661484.367	789.518
SS	1304	1.460	184°34'56"	90°35'08"	47.546	SS	0.000	0.000	5489651.838	661495.963	789.385
SS	1305	1.460	191°15'20"	90°50'41"	32.830	SS	0.000	0.000	5489667.034	661493.354	789.387
SS	1306	1.460	206°59'08"	92°27'31"	20.579	SS	0.000	0.000	5489680.908	661490.432	788.989
SS	1307	1.460	250°06'22"	90°04'11"	12.562	SS	0.000	0.000	5489694.954	661487.948	789.856
SS	1308	1.460	359°20'09"	90°23'22"	6.954	SS	0.000	0.000	5489706.182	661499.680	789.824
SS	1309	1.460	150°31'56"	91°19'37"	8.929	SS	0.000	0.000	5489691.457	661504.152	789.665
SS	1310	1.460	158°57'15"	93°37'02"	23.297	SS	0.000	0.000	5489677.529	661508.111	788.401
SS	1311	1.460	160°30'15"	91°08'32"	39.729	SS	0.000	0.000	5489681.785	661513.917	789.079
SS	1312	1.460	160°32'38"	90°59'48"	52.993	SS	0.000	0.000	5489649.270	661517.409	788.950
SS	1313	1.460	144°16'37"	90°59'49"	58.665	SS	0.000	0.000	5489651.609	661534.008	788.851
SS	1314	1.460	133°08'02"	91°19'56"	43.847	SS	0.000	0.000	5489669.258	661531.760	788.852
SS	1315	1.460	120°03'01"	92°37'00"	32.656	SS	0.000	0.000	5489682.893	661527.998	788.389
SS	1316	1.460	91°17'28"	91°46'53"	21.225	SS	0.000	0.000	5489698.751	661520.970	789.212
SS	1317	1.460	50°54'32"	91°22'49"	23.113	SS	0.000	0.000	5489713.799	661517.695	789.315
SS	1318	1.460	83°08'51"	91°37'42"	32.595	SS	0.000	0.000	5489703.116	661532.110	788.945
SS	1319	1.460	118°34'07"	91°46'26"	42.698	SS	0.000	0.000	5489678.820	661537.242	788.559
SS	1320	1.460	131°42'31"	91°06'19"	53.383	SS	0.000	0.000	5489663.718	661539.606	788.842

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1321	1.460	118°35'07"	91°02'08"	59.354	SS	0.000	0.000	5489670.835	661551.871	788.799
SS	1322	1.460	118°25'02"	91°28'49"	71.477	SS	0.000	0.000	5489665.225	661562.604	788.025
SS	1323	1.460	107°37'09"	90°49'34"	65.143	SS	0.000	0.000	5489679.513	661561.842	788.932
SS	1324	1.460	89°11'32"	91°47'40"	58.328	SS	0.000	0.000	5489700.051	661558.055	788.045
SS	1325	1.460	73°29'30"	91°07'46"	54.730	SS	0.000	0.000	5489714.778	661552.225	788.793
SS	1326	1.460	73°34'44"	90°48'31"	39.296	SS	0.000	0.000	5489710.337	661537.451	789.317
SS	1327	1.460	74°15'01"	91°01'23"	23.241	SS	0.000	0.000	5489705.536	661522.126	789.456
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1015	1014		134°05'03"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 134°05'03" VA 90°15'29" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.087m										
Note	-- BS Elevation Error: -1.595m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1328	1.460	263°40'54"	89°52'01"	61.588	WATEREDG	0.000	0.000	5489739.818	661164.101	789.700
SS	1329	1.460	265°07'42"	89°52'00"	47.453	WATEREDG	0.000	0.000	5489742.566	661178.034	789.667
SS	1330	1.460	268°42'28"	90°04'18"	34.278	WATEREDG	0.000	0.000	5489745.823	661191.046	789.514
SS	1331	1.460	274°21'11"	90°27'09"	19.893	WATEREDG	0.000	0.000	5489748.106	661205.480	789.399
SS	1332	1.460	299°12'53"	92°28'24"	6.654	WATEREDG	0.000	0.000	5489749.840	661219.513	789.269
SS	1333	1.460	88°32'51"	92°08'03"	9.382	WATEREDG	0.000	0.000	5489746.833	661234.687	789.207
SS	1334	1.460	91°44'14"	91°14'38"	23.771	WATEREDG	0.000	0.000	5489745.875	661249.070	789.041
SS	1335	1.460	93°44'38"	90°58'29"	39.088	WATEREDG	0.000	0.000	5489744.044	661264.314	788.892
SS	1336	1.460	92°01'28"	91°01'07"	52.851	WATEREDG	0.000	0.000	5489744.729	661278.125	788.617
SS	1337	1.460	90°49'16"	90°52'46"	67.204	WATEREDG	0.000	0.000	5489745.633	661292.504	788.525
SS	1338	1.460	89°56'05"	90°50'16"	81.959	WATEREDG	0.000	0.000	5489747.166	661307.264	788.358
SS	1339	1.460	87°50'47"	90°47'40"	96.219	WATEREDG	0.000	0.000	5489750.211	661321.457	788.222
SS	1340	1.460	85°57'02"	90°44'42"	109.304	WATEREDG	0.000	0.000	5489754.314	661334.337	788.135

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1341	1.460	84°54'29"	90°42'12"	122.021	WATEREDG	0.000	0.000	5489757.425	661346.845	788.059
SS	1342	1.460	83°23'27"	90°42'17"	133.170	WATEREDG	0.000	0.000	5489761.922	661357.590	787.919
SS	1343	1.460	83°36'24"	90°37'46"	148.361	WATEREDG	0.000	0.000	5489763.115	661372.745	787.927
SS	1344	1.460	83°00'05"	90°35'59"	162.922	WATEREDG	0.000	0.000	5489766.446	661387.014	787.851
SS	1345	1.460	82°35'27"	90°32'31"	177.470	WATEREDG	0.000	0.000	5489769.480	661401.295	787.878
SS	1346	1.460	82°43'40"	90°30'25"	192.132	WATEREDG	0.000	0.000	5489770.916	661415.894	787.857
SS	1347	1.460	84°30'40"	80°19'34"	190.447	SS	0.000	0.000	5489784.804	661414.888	788.473
SS	1348	1.460	84°51'47"	90°17'36"	175.085	SS	0.600	0.000	5489762.272	661399.884	788.660
SS	1349	1.460	85°14'37"	90°09'03"	159.397	SS	0.000	0.000	5489759.813	661384.162	789.137
SS	1350	1.460	85°47'30"	90°09'25"	143.817	SS	0.000	0.000	5489757.150	661368.744	789.163
SS	1351	1.460	86°05'20"	80°20'23"	129.298	SS	0.000	0.000	5489765.409	661354.318	788.790
SS	1352	1.460	86°57'46"	90°09'27"	116.118	SS	0.000	0.000	5489762.695	661340.271	789.240
SS	1353	1.460	89°27'42"	90°09'31"	115.775	SS	0.000	0.000	5489747.684	661341.086	789.236
SS	1354	1.460	92°26'01"	89°58'42"	112.209	SS	0.000	0.000	5489741.831	661337.423	789.599
SS	1355	1.460	95°47'15"	89°50'49"	99.054	SS	0.000	0.000	5489736.607	661323.064	789.821
SS	1356	1.460	91°00'52"	90°00'24"	91.539	SS	0.600	0.000	5489744.975	661316.840	789.540
SS	1357	1.460	93°12'26"	90°03'31"	80.307	SS	0.000	0.000	5489742.103	661305.496	789.474
SS	1358	1.460	96°16'19"	90°02'21"	67.542	SS	0.000	0.000	5489739.217	661292.453	789.510
SS	1359	1.460	106°28'01"	89°39'33"	70.852	SS	0.000	0.000	5489736.512	661293.268	789.978
SS	1360	1.460	114°04'17"	99°49'57"	73.487	SS	0.000	0.000	5489716.622	661292.411	789.771
SS	1361	1.460	117°48'47"	89°49'59"	60.789	SS	0.000	0.000	5489718.232	661279.083	789.734
SS	1362	1.460	130°46'25"	89°44'54"	64.689	SS	0.000	0.000	5489704.350	661274.303	789.841
SS	1363	1.460	103°33'40"	89°57'38"	50.100	SS	0.000	0.000	5489734.846	661274.018	789.592
SS	1364	1.460	103°35'29"	90°09'37"	37.065	SS	0.000	0.000	5489737.886	661261.840	789.453
SS	1365	1.460	126°10'42"	89°30'32"	39.386	SS	0.000	0.000	5489723.347	661257.106	789.894
SS	1366	1.460	142°02'51"	90°02'48"	44.027	SS	0.000	0.000	5489711.880	661252.392	789.521
SS	1367	1.460	149°49'50"	80°31'58"	49.128	SS	0.000	0.000	5489734.125	661250.004	789.100
SS	1368	1.460	162°02'23"	90°40'54"	42.798	SS	0.000	0.000	5489735.886	661238.511	789.047
SS	1369	1.460	149°39'40"	88°56'49"	32.089	SS	0.000	0.000	5489718.906	661241.521	790.146
SS	1370	1.460	124°11'55"	89°47'06"	22.944	SS	0.000	0.000	5489733.700	661244.292	789.643
SS	1371	1.460	143°42'50"	89°47'10"	9.732	SS	0.000	0.000	5489736.751	661231.073	789.593
SS	1372	1.460	173°36'37"	98°12'47"	23.092	SS	0.000	0.000	5489723.659	661227.884	790.277
SS	1373	1.460	181°41'38"	89°38'29"	35.156	SS	0.000	0.000	5489711.456	661224.276	789.777

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1374	1.460	201°43'45"	89°33'20"	34.465	SS	0.000	0.000	5489714.580	661212.556	789.824
SS	1375	1.460	211°38'09"	87°42'01"	20.836	SS	0.000	0.000	5489728.870	661214.395	790.393
SS	1376	1.460	249°35'04"	89°24'52"	11.589	SS	0.000	0.000	5489742.554	661214.455	789.675
SS	1377	1.460	264°56'58"	89°23'44"	25.262	SS	0.000	0.000	5489744.372	661200.153	789.823
SS	1378	1.460	242°26'56"	88°33'32"	34.787	SS	0.000	0.000	5489730.511	661194.483	790.431
SS	1379	1.460	235°31'10"	89°30'32"	40.723	SS	0.000	0.000	5489723.542	661191.748	789.906
SS	1380	1.460	251°05'06"	88°56'40"	43.727	SS	0.000	0.000	5489732.424	661183.857	790.362
SS	1381	1.460	260°15'21"	89°06'09"	39.461	SS	0.000	0.000	5489736.918	661186.428	790.175
SS	1382	1.460	260°44'59"	89°07'57"	54.265	SS	0.000	0.000	5489737.874	661171.762	790.378
SS	1383	1.460	263°26'48"	89°20'29"	62.864	RIVERBANK	0.000	0.000	5489739.422	661162.866	790.279
SS	1384	1.460	256°02'05"	88°52'23"	54.672	RIVERBANK	0.000	0.000	5489733.404	661172.260	790.632
SS	1385	1.460	245°51'55"	88°33'58"	48.399	RIVERBANK	0.000	0.000	5489736.812	661181.100	790.706
SS	1386	1.460	230°17'42"	88°30'58"	42.285	RIVERBANK	0.000	0.000	5489719.592	661192.794	790.652
SS	1387	1.460	204°57'22"	88°48'40"	36.983	RIVERBANK	0.000	0.000	5489713.073	661209.714	790.324
SS	1388	1.460	182°49'22"	88°40'03"	37.282	RIVERBANK	0.000	0.000	5489739.370	661223.460	790.424
SS	1389	1.460	164°25'22"	89°01'06"	44.031	RIVERBANK	0.000	0.000	5489734.188	661237.137	790.311
SS	1390	1.460	148°14'07"	89°23'03"	60.432	RIVERBANK	0.000	0.000	5489703.720	661251.863	790.090
SS	1391	1.460	146°00'38"	89°35'29"	53.546	RIVERBANK	0.000	0.000	5489702.200	661255.249	789.938
SS	1392	1.460	137°36'14"	90°02'52"	85.403	RIVERBANK	0.000	0.000	5489683.525	661282.899	789.485
SS	1393	1.460	135°35'04"	89°50'44"	92.582	RIVERBANK	0.000	0.000	5489680.467	661290.100	789.806
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1015	1014		134°05'03"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 134°05'03" VA 90°13'04" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.161m										
Note	-- BS Elevation Error: -1.522m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1394	1.460	68°01'07"	91°06'47"	66.047	WATEREDG	0.000	0.000	5489771.313	661286.549	788.274
SS	1395	1.460	70°12'29"	90°56'18"	77.639	WATEREDG	0.000	0.000	5489772.881	661298.358	788.285
SS	1396	1.460	63°52'46"	91°02'38"	58.026	WATEREDG	0.000	0.000	5489772.138	661277.406	788.499
SS	1397	1.460	57°14'34"	90°54'58"	49.448	WATEREDG	0.000	0.000	5489773.348	661266.894	788.766
SS	1398	1.460	46°43'58"	90°51'14"	41.726	WATEREDG	0.000	0.000	5489775.191	661255.695	788.935
SS	1399	1.460	31°12'00"	90°46'27"	35.685	WATEREDG	0.000	0.000	5489777.116	661243.799	789.074
SS	1400	1.460	11°25'06"	80°36'46"	32.941	WATEREDG	0.000	0.000	5489779.883	661231.880	789.204
SS	1401	1.460	356°26'21"	80°47'09"	30.864	WATEREDG	0.000	0.000	5489777.397	661223.360	789.133
SS	1402	1.460	332°03'56"	90°30'02"	29.968	WATEREDG	0.000	0.000	5489773.071	661211.277	789.295
SS	1403	1.460	309°59'39"	90°09'40"	35.627	WATEREDG	0.000	0.000	5489769.493	661198.021	789.456
SS	1404	1.460	294°35'37"	80°02'14"	44.476	WATEREDG	0.000	0.000	5489769.106	661181.873	789.528
SS	1405	1.460	285°11'22"	89°55'53"	66.728	WATEREDG	0.000	0.000	5489761.459	661170.560	789.625
SS	1406	1.460	280°30'57"	89°48'25"	68.844	WATEREDG	0.000	0.000	5489759.160	661157.628	789.789
SS	1407	1.460	281°36'51"	89°46'56"	82.967	WATEREDG	0.000	0.000	5489763.299	661144.048	789.872
SS	1408	1.460	284°12'45"	89°42'20"	96.119	WATEREDG	0.000	0.000	5489770.194	661132.140	790.051
SS	1409	1.460	281°21'11"	89°45'19"	113.352	WATEREDG	0.000	0.000	5489768.909	661114.160	790.041
SS	1410	1.460	293°32'27"	89°07'01"	110.382	HUB	0.000	0.000	5489790.677	661124.133	791.258
SS	1411	1.460	308°07'29"	88°30'23"	160.332	RIVERBANK	0.000	0.000	5489843.547	661099.229	793.736
SS	1412	1.460	308°59'10"	88°40'10"	146.917	RIVERBANK	0.000	0.000	5489889.001	661111.140	792.968
SS	1413	1.460	309°20'08"	88°35'12"	133.891	RIVERBANK	0.000	0.000	5489861.438	661121.760	792.859
SS	1414	1.460	309°38'50"	88°32'46"	122.460	RIVERBANK	0.000	0.000	5489824.734	661131.076	792.664
SS	1415	1.460	310°31'15"	88°28'00"	109.117	RIVERBANK	0.000	0.000	5489817.466	661142.397	792.476
SS	1416	1.460	311°27'44"	88°18'56"	94.740	RIVERBANK	0.000	0.000	5489889.298	661154.840	792.341
SS	1417	1.460	313°15'48"	87°56'26"	82.695	RIVERBANK	0.000	0.000	5489868.235	661165.134	792.528
SS	1418	1.460	315°31'04"	87°36'46"	70.106	RIVERBANK	0.000	0.000	5489796.570	661176.236	792.477
SS	1419	1.460	320°17'51"	87°24'08"	58.362	RIVERBANK	0.000	0.000	5489791.451	661188.072	792.202
SS	1420	1.460	330°27'27"	86°54'01"	48.631	RIVERBANK	0.000	0.000	5489788.842	661201.872	792.188
SS	1421	1.460	347°05'30"	86°40'55"	41.200	RIVERBANK	0.000	0.000	5489786.687	661216.128	791.941
SS	1422	1.460	7°27'47"	86°24'24"	37.826	RIVERBANK	0.000	0.000	5489784.027	661230.218	791.927
SS	1423	1.460	29°41'37"	86°52'23"	39.388	RIVERBANK	0.000	0.000	5489780.761	661244.797	791.705
SS	1424	1.460	44°50'04"	87°10'07"	46.413	RIVERBANK	0.000	0.000	5489779.470	661257.999	791.848
SS	1425	1.460	55°40'54"	87°37'45"	54.386	RIVERBANK	0.000	0.000	5489777.232	661270.160	791.805
SS	1426	1.460	62°43'39"	88°02'43"	65.061	RIVERBANK	0.000	0.000	5489776.391	661283.110	791.776

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1427	1.460	66°24'05"	88°30'31"	76.471	RIVERBANK	0.000	0.000	5489777.199	661295.367	791.547
SS	1428	1.460	267°32'18"	89°05'46"	170.915	RIVERBANK	0.000	0.000	5489739.256	661054.579	792.253
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	1428	5489739.256	661054.579	792.253	HUB						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1018	1019		81°25'58"	1.650							
Note	--Orientation Notes										
Note	-- Observed Values: HA 81°25'58" VA 90°38'40" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 788.601m										
Note	-- BS Elevation Error: -0.074m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.6mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1429	1.460	68°20'16"	91°29'02"	39.013	SS	0.000	0.000	5489620.604	661328.656	790.179
SS	1430	1.460	53°52'26"	91°04'01"	43.131	SS	0.000	0.000	5489631.632	661327.242	790.386
SS	1431	1.460	22°59'55"	91°34'18"	40.668	SS	0.000	0.000	5489643.629	661308.294	790.074
SS	1432	1.460	14°30'12"	91°42'06"	42.236	SS	0.000	0.000	5489647.080	661302.983	789.935
SS	1433	1.460	3°42'28"	92°02'56"	39.947	SS	0.000	0.000	5489646.046	661294.992	789.761
SS	1434	1.460	345°54'14"	92°03'35"	33.941	SS	0.000	0.000	5489639.106	661284.150	789.969
SS	1435	1.460	330°27'34"	92°06'10"	28.953	SS	0.000	0.000	5489631.380	661278.145	790.127
SS	1436	1.460	316°49'05"	91°02'57"	43.512	SS	0.000	0.000	5489637.931	661262.640	790.392
SS	1437	1.460	304°57'15"	90°59'25"	40.525	SS	0.000	0.000	5489629.422	661259.201	790.489
SS	1438	1.460	295°22'47"	90°42'04"	52.002	SS	0.000	0.000	5489628.495	661245.431	790.553
SS	1439	1.460	283°46'06"	90°00'16"	33.612	SS	0.000	0.000	5489614.208	661259.784	791.188
SS	1440	1.460	277°57'37"	91°03'57"	48.067	SS	0.000	0.000	5489612.864	661244.815	790.296
SS	1441	1.460	276°57'45"	90°47'26"	60.855	SS	0.000	0.000	5489613.584	661232.010	790.349
SS	1442	1.460	277°26'34"	90°15'29"	73.471	SS	0.000	0.000	5489615.725	661219.560	790.858
SS	1443	1.460	300°09'10"	90°04'26"	22.142	SS	0.000	0.000	5489617.330	661273.284	791.188
SS	1444	1.460	339°52'04"	89°21'45"	14.364	SS	0.000	0.000	5489619.693	661287.467	791.349

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1445	1.460	44°16'32"	91°01'22"	24.463	SS	0.000	0.000	5489623.721	661309.486	790.752
SS	1446	1.460	85°42'11"	91°23'08"	57.347	HUB	0.000	0.000	5489610.504	661349.579	789.802
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1446	1018		265°42'11"	1.650							
Note	--Orientation Notes										
Note	-- Observed Values: HA 265°42'11" VA 88°58'12" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 791.023m										
Note	-- BS Elevation Error: -0.024m										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1446	1018		265°42'11"	1.630							
Note	--Orientation Notes										
Note	-- Observed Values: HA 265°42'11" VA 88°56'10" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 791.037m										
Note	-- BS Elevation Error: 0.038m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1447	1.460	316°57'47"	89°09'26"	16.813	SS	0.000	0.000	5489622.791	661338.106	790.220
SS	1448	1.460	337°29'58"	89°18'57"	31.457	SS	0.000	0.000	5489639.564	661337.542	790.348
SS	1449	1.460	339°56'27"	89°39'58"	45.991	SS	0.000	0.000	5489653.704	661333.805	790.240
SS	1450	1.460	348°33'17"	89°35'04"	47.962	SS	0.000	0.000	5489657.510	661340.062	790.320
SS	1451	1.460	357°43'59"	89°29'09"	39.997	SS	0.000	0.000	5489650.468	661347.997	790.331
SS	1452	1.460	3°09'59"	89°46'10"	27.912	SS	0.000	0.000	5489638.373	661351.121	790.093
SS	1453	1.460	31°05'06"	89°59'40"	17.179	SS	0.000	0.000	5489625.215	661358.449	789.974
SS	1454	1.460	30°03'45"	89°43'04"	29.680	SS	0.000	0.000	5489636.191	661364.447	790.118

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1455	1.460	29°59'18"	89°52'43"	41.457	SS	0.000	0.000	5489646.411	661370.300	790.060
SS	1456	1.460	34°00'23"	89°52'53"	53.960	SS	0.000	0.000	5489655.235	661379.758	790.084
SS	1457	1.460	55°44'19"	89°59'14"	33.322	SS	0.000	0.000	5489629.263	661377.119	789.980
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1428	1410		53°31'26"	1.620							
Note	--Orientation Notes										
Note	-- Observed Values: HA 53°31'26" VA 91°44'28" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.784m										
Note	-- BS Elevation Error: -1.474m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1458	1.460	97°37'13"	90°30'35"	43.355	HUB	0.000	0.000	5489733.507	661097.549	792.027
SS	1459	1.460	238°09'49"	90°39'17"	13.628	HUB	0.000	0.000	5489732.068	661043.002	792.257
SS	1460	1.460	242°51'19"	89°44'21"	58.285	HUB	0.000	0.000	5489712.664	661002.714	792.678
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1458	1410		24°56'13"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 24°56'13" VA 92°12'02" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.784m										
Note	-- BS Elevation Error: -1.473m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1461	1.460	77°39'21"	93°40'09"	6.716	RIVERBANK	0.000	0.000	5489734.940	661104.097	791.777
SS	1462	1.460	282°16'11"	90°55'07"	8.499	RIVERBANK	0.000	0.000	5489735.313	661089.245	792.071
SS	1463	1.460	281°55'24"	89°34'54"	24.521	RIVERBANK	0.000	0.000	5489738.573	661073.558	792.386
SS	1464	1.460	282°38'40"	89°55'52"	40.074	RIVERBANK	0.000	0.000	5489742.279	661058.447	792.255
SS	1465	1.460	283°29'52"	90°16'04"	55.236	RIVERBANK	0.000	0.000	5489746.399	661043.840	791.949
SS	1466	1.460	283°57'40"	99°43'04"	67.873	RIVERBANK	0.000	0.009	5489749.885	661031.663	792.541
SS	1467	1.460	285°08'28"	99°44'04"	81.398	RIVERBANK	0.000	0.009	5489754.766	661018.073	792.584
SS	1468	1.460	285°07'36"	99°44'56"	93.508	RIVERBANK	0.000	0.009	5489757.908	661007.283	792.617
SS	1469	1.460	285°44'39"	89°38'38"	109.094	RIVERBANK	0.000	0.000	5489763.108	660992.550	792.885
SS	1470	1.460	297°46'55"	90°06'20"	269.334	WATEREDG	0.000	0.009	5489859.045	660859.263	791.711
SS	1471	1.460	297°44'44"	90°13'02"	256.265	WATEREDG	0.000	0.009	5489852.809	660870.756	791.236
SS	1472	1.460	297°30'53"	90°17'40"	243.395	WATEREDG	0.000	0.009	5489846.948	660881.687	790.956
SS	1473	1.460	297°15'04"	90°18'38"	231.372	WATEREDG	0.000	0.000	5489839.449	660891.860	790.953
SS	1474	1.460	297°08'12"	90°20'59"	218.255	WATEREDG	0.000	0.009	5489839.054	660903.323	790.875
SS	1475	1.460	296°50'00"	90°21'05"	206.034	WATEREDG	0.000	0.009	5489826.057	660914.596	790.950
SS	1476	1.460	296°19'55"	90°23'26"	191.145	WATEREDG	0.000	0.000	5489848.291	660926.242	790.906
SS	1477	1.460	295°29'07"	90°25'32"	176.142	WATEREDG	0.000	0.000	5489809.295	660938.551	790.899
SS	1478	1.460	294°15'10"	90°27'16"	161.265	WATEREDG	0.600	0.000	5489798.747	660950.623	790.926
SS	1479	1.460	292°21'54"	90°32'15"	145.402	WATEREDG	0.000	0.000	5489788.831	660963.091	790.843
SS	1480	1.460	289°23'37"	90°37'13"	143.247	WATEREDG	0.000	0.000	5489781.070	660962.438	790.656
SS	1481	1.460	286°52'44"	90°39'11"	128.959	WATEREDG	0.000	0.000	5489770.948	660974.153	790.737
SS	1482	1.460	287°30'37"	90°43'56"	115.412	WATEREDG	0.000	0.000	5489798.229	660987.423	790.760
SS	1483	1.460	287°37'33"	90°52'59"	101.594	WATEREDG	0.000	0.000	5489784.266	661000.756	790.641
SS	1484	1.460	287°14'23"	91°06'19"	87.632	WATEREDG	0.000	0.000	5489769.473	661013.870	790.517
SS	1485	1.460	286°26'38"	91°19'51"	73.885	WATEREDG	0.000	0.000	5489754.416	661028.705	790.491
SS	1486	1.460	285°33'02"	91°39'57"	61.157	WATEREDG	0.000	0.000	5489748.895	661038.653	790.429
SS	1487	1.460	286°10'14"	92°09'40"	48.350	WATEREDG	0.000	0.000	5489748.963	661051.148	790.384
SS	1488	1.460	287°36'34"	93°08'44"	34.758	WATEREDG	0.000	0.000	5489744.006	661064.470	790.300
SS	1489	1.460	290°40'21"	95°36'58"	20.394	WATEREDG	0.000	0.000	5489740.672	661078.560	790.211
SS	1490	1.460	311°54'23"	107°27'36"	7.143	WATEREDG	0.000	0.000	5489798.058	661092.478	790.064
SS	1491	1.460	42°25'01"	109°16'32"	6.638	WATEREDG	0.000	0.000	5489788.133	661101.776	790.016
SS	1492	1.460	68°10'01"	101°39'50"	11.540	WATEREDG	0.000	0.000	5489737.710	661108.040	789.874

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1458	1410		24°56'13"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 24°56'13" VA 92°11'29" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.795m										
Note	-- BS Elevation Error: -1.463m										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1458	1410		24°56'13"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 24°56'13" VA 92°05'26" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.906m										
Note	-- BS Elevation Error: -1.352m										
Note	--EDM Mode: IR Fine										
Note	--Application Rrism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Sip Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1493	1.460	115°44'32"	90°53'05"	42.149	SS	0.000	0.000	5489715.203	661135.511	791.556
SS	1494	1.460	113°35'07"	91°26'01"	28.173	SS	0.000	0.000	5489722.238	661123.360	791.502
SS	1495	1.460	156°07'35"	90°58'12"	19.490	SS	0.000	0.000	5489715.827	661105.746	791.877
SS	1496	1.460	197°59'41"	90°06'50"	16.688	SS	0.000	0.000	5489717.635	661092.394	792.174
SS	1497	1.460	233°30'03"	90°00'10"	23.718	SS	0.000	0.000	5489719.399	661078.483	792.206
SS	1498	1.460	255°30'20"	90°10'10"	34.150	SS	0.000	0.000	5489724.960	661064.486	792.106
SS	1499	1.460	262°08'57"	90°00'19"	52.941	SS	0.000	0.000	5489726.275	661045.105	792.202
SS	1500	1.460	267°07'09"	90°09'21"	68.879	SS	0.000	0.000	5489730.045	661028.758	792.020

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1501	1.460	267°28'50"	89°53'12"	78.497	SS	0.000	0.000	5489730.056	661019.128	792.362
SS	1502	1.460	253°39'49"	89°53'17"	73.539	SS	0.000	0.000	5489712.822	661026.979	792.351
SS	1503	1.460	242°24'30"	90°19'56"	46.456	SS	0.000	0.000	5489711.990	661056.377	791.938
SS	1504	1.460	230°07'48"	90°35'07"	34.613	SS	0.000	0.000	5489711.319	661070.985	791.854
SS	1505	1.460	203°39'29"	90°02'18"	26.362	SS	0.000	0.000	5489709.360	661086.971	792.189
SS	1506	1.460	174°59'39"	90°21'49"	27.621	SS	0.000	0.000	5489705.992	661099.959	792.032
SS	1507	1.460	177°21'48"	90°30'02"	44.455	SS	0.000	0.000	5489689.101	661099.594	791.819
SS	1508	1.460	195°54'57"	90°43'51"	45.019	SS	0.000	0.000	5489690.217	661085.203	791.633
SS	1509	1.460	211°32'47"	90°27'09"	48.675	SS	0.000	0.000	5489692.026	661072.984	791.823
SS	1510	1.460	223°59'23"	90°35'25"	52.701	SS	0.000	0.000	5489695.592	661060.948	791.664
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
145E	1410		24°56'13"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 24°56'13" VA 92°13'25" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.759m										
Note	-- BS Elevation Error: -1.499m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1511	1.460	295°29'13"	89°45'49"	298.035	HUB	0.000	0.000	5489861.752	660828.520	793.437
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1460	1410		57°16'42"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 57°16'42" VA 91°12'26" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.787m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- BS Elevation Error: -1.471m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1512	1.460	19°00'35"	90°57'54"	19.926	SS	0.000	0.000	5489731.501	661009.203	792.493
SS	1513	1.460	357°15'21"	90°29'19"	28.107	SS	0.000	0.000	5489740.738	661001.368	792.588
SS	1514	1.460	338°39'46"	90°05'39"	27.654	SS	0.000	0.000	5489738.423	660992.652	792.783
SS	1515	1.460	326°11'44"	90°23'06"	36.843	SS	0.000	0.000	5489743.277	660982.217	792.581
SS	1516	1.460	323°27'06"	89°55'46"	51.069	SS	0.000	0.000	5489753.691	660972.302	792.891
SS	1517	1.460	314°25'28"	89°45'43"	56.659	SS	0.000	0.000	5489752.323	660962.250	793.064
SS	1518	1.460	311°59'37"	90°11'04"	43.745	SS	0.000	0.000	5489741.931	660970.208	792.687
SS	1519	1.460	306°03'16"	99°44'26"	35.602	SS	0.000	0.000	5489736.618	660973.931	792.989
SS	1520	1.460	298°38'24"	90°06'48"	24.411	SS	0.000	0.000	5489724.364	660981.289	792.780
SS	1521	1.460	282°23'51"	90°18'23"	20.396	SS	0.000	0.000	5489717.043	660982.794	792.719
SS	1522	1.460	258°41'49"	90°16'43"	19.486	SS	0.000	0.000	5489708.845	660988.608	792.733
SS	1523	1.460	237°41'23"	91°36'06"	25.526	SS	0.000	0.000	5489699.026	660981.148	792.115
SS	1524	1.460	225°06'47"	91°41'22"	23.419	SS	0.000	0.000	5489696.144	660985.128	792.138
SS	1525	1.460	207°22'56"	91°02'09"	19.455	SS	0.000	0.000	5489695.391	660993.767	792.476
SS	1526	1.460	162°21'41"	91°37'33"	15.735	SS	0.000	0.000	5489697.674	661007.408	792.382
SS	1527	1.460	137°43'47"	91°41'14"	21.923	SS	0.000	0.000	5489696.449	661017.453	792.183
SS	1528	1.460	112°30'14"	91°59'39"	27.017	SS	0.000	0.000	5489702.329	661027.669	791.888
SS	1529	1.460	94°43'55"	90°48'18"	17.834	SS	0.000	0.000	5489711.193	661020.485	792.578
SS	1530	1.460	51°28'10"	91°58'55"	9.600	SS	0.008	0.000	5489718.640	661010.219	792.496
SS	1531	1.460	335°18'33"	91°10'25"	12.632	SS	0.000	0.000	5489724.139	660997.488	792.569
SS	1532	1.460	317°14'30"	90°06'23"	24.058	SS	0.000	0.000	5489730.328	660986.383	792.783
SS	1533	1.460	257°39'44"	92°14'51"	13.058	SS	0.000	0.000	5489709.876	660989.968	792.316
SS	1534	1.460	170°36'22"	94°53'47"	9.924	SS	0.000	0.000	5489702.908	661004.628	791.981
SS	1535	1.460	91°42'37"	90°48'39"	24.614	SS	0.000	0.000	5489711.929	661027.319	792.489
SS	1536	1.460	69°03'05"	91°20'59"	30.299	SS	0.000	0.000	5489723.494	661031.002	792.114
SS	1537	1.460	52°31'41"	90°43'52"	39.249	SS	0.000	0.000	5489736.540	661033.861	792.327
SS	1538	1.460	72°40'51"	90°48'11"	39.729	SS	0.000	0.000	5489704.490	661040.688	792.271
SS	1539	1.460	95°05'59"	91°09'03"	37.411	SS	0.000	0.000	5489709.339	661039.988	792.077
SS	1540	1.460	107°21'27"	91°05'56"	38.745	SS	0.000	0.000	5489701.107	661039.687	792.085

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1541	1.460	102°55'20"	91°08'36"	48.846	SS	0.000	0.000	5489701.743	661050.313	791.853
SS	1542	1.460	93°19'36"	91°02'03"	59.733	SS	0.000	0.000	5489709.198	661062.337	791.750
SS	1543	1.460	99°19'41"	91°01'56"	69.510	SS	0.000	0.000	5489701.399	661071.293	791.576
SS	1544	1.460	99°44'07"	90°58'12"	83.293	SS	0.000	0.000	5489698.581	661084.795	791.418
SS	1545	1.460	100°00'32"	90°36'33"	100.223	SS	0.000	0.000	5489695.246	661101.406	791.763
SS	1546	1.460	99°42'51"	90°42'57"	119.431	HUB	0.000	0.000	5489692.514	661120.424	791.338
SS	1547	1.460	181°05'32"	89°32'35"	56.411	HUB	0.000	0.000	5489656.265	661001.639	793.278
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1547	1460		1°05'32"	1.290							
Note	--Orientation Notes										
Note	-- Observed Values: HA 1°05'32" VA 90°23'53" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 792.716m										
Note	-- BS Elevation Error: 0.038m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1548	1.460	142°38'18"	90°11'48"	112.499	HUB	0.000	0.000	5489566.849	661069.907	792.722
SS	1549	1.460	116°47'40"	90°16'54"	149.169	HUB	0.000	0.000	5489589.022	661134.790	792.375
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1546	1460		279°42'51"	1.580							
Note	--Orientation Notes										
Note	-- Observed Values: HA 279°42'51" VA 89°25'11" HR 1.460m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 792.666m										
Note	-- BS Elevation Error: -0.013m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1550	1.460	310°19'57"	88°05'29"	15.755	SS	0.000	0.000	5489702.705	661108.420	791.981
SS	1551	1.460	358°20'35"	89°57'47"	14.280	SS	0.000	0.000	5489706.787	661120.011	791.465
SS	1552	1.460	24°17'02"	89°52'23"	31.850	SS	0.000	0.000	5489721.545	661133.522	791.527
SS	1553	1.460	43°48'23"	90°46'21"	28.659	SS	0.000	0.000	5489713.194	661140.260	791.070
SS	1554	1.460	56°35'40"	90°23'33"	29.834	SS	0.000	0.000	5489708.938	661145.328	791.252
SS	1555	1.460	70°14'43"	90°19'08"	31.487	SS	0.000	0.000	5489703.156	661150.057	791.281
SS	1556	1.460	93°48'57"	90°14'11"	31.686	SS	0.000	0.000	5489690.405	661152.039	791.325
SS	1557	1.460	88°39'52"	89°55'23"	42.349	SS	0.000	0.000	5489693.501	661162.761	791.513
SS	1558	1.460	135°01'19"	80°47'20"	36.218	SS	0.000	0.000	5489686.897	661146.022	790.957
SS	1559	1.460	163°17'57"	89°54'30"	33.571	SS	0.000	0.000	5489660.359	661130.071	791.510
SS	1560	1.460	187°39'53"	89°45'07"	35.418	SS	0.000	0.000	5489657.413	661115.700	791.609
SS	1561	1.460	209°27'48"	89°43'29"	35.454	SS	0.000	0.000	5489661.645	661102.985	791.626
SS	1562	1.460	227°34'28"	89°59'47"	38.897	SS	0.000	0.000	5489666.272	661091.712	791.499
SS	1563	1.460	246°30'52"	89°19'30"	37.923	SS	0.000	0.000	5489677.401	661085.044	791.903
SS	1564	1.460	263°15'56"	89°31'21"	47.884	SS	0.000	0.000	5489686.898	661072.871	791.855
SS	1565	1.460	246°42'33"	89°38'54"	28.401	SS	0.000	0.000	5489681.284	661094.337	791.630
SS	1566	1.460	229°00'38"	87°28'17"	14.810	SS	0.000	0.000	5489682.809	661109.256	792.109
SS	1567	1.460	161°20'14"	80°39'43"	8.255	SS	0.000	0.000	5489684.693	661123.065	791.361
SS	1568	1.460	108°17'30"	90°50'45"	17.086	SS	0.000	0.000	5489687.152	661136.644	791.204
SS	1569	1.460	103°04'17"	90°14'49"	74.743	HUB	0.000	0.000	5489675.609	661193.229	791.134
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1569	1546		283°04'17"	1.595							
Note	--Orientation Notes										
Note	-- Observed Values: HA 283°04'17" VA 89°55'50" HR 1.460m										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 791.359m										
Note	-- BS Elevation Error: 0.023m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1570	1.460	287°37'08"	89°28'06"	28.352	SS	0.000	0.000	5489684.191	661166.208	791.532
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1569	1546		283°04'17"	1.595							
Note	--Orientation Notes										
Note	-- Observed Values: HA 283°04'17" VA 89°56'30" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 791.345m										
Note	-- BS Elevation Error: 0.009m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1571	1.460	316°27'37"	89°51'43"	29.072	SS	0.000	0.000	5489696.683	661173.203	791.339
SS	1572	1.460	315°26'03"	89°51'36"	14.914	SS	0.000	0.000	5489686.235	661182.764	791.305
SS	1573	1.460	242°13'37"	89°34'06"	11.483	SS	0.000	0.000	5489670.259	661183.069	791.355
SS	1574	1.460	220°54'19"	89°58'16"	19.606	SS	0.000	0.000	5489660.791	661180.391	791.279
SS	1575	1.460	190°24'52"	90°45'38"	21.356	SS	0.000	0.000	5489654.607	661189.369	790.985
SS	1576	1.460	186°31'37"	91°22'44"	7.952	SS	0.000	0.000	5489667.711	661192.326	791.078
SS	1577	1.460	42°22'25"	90°35'00"	17.980	SS	0.000	0.000	5489688.892	661205.347	791.086
SS	1578	1.460	79°49'13"	91°11'31"	18.844	SS	0.000	0.000	5489678.939	661211.773	790.877
SS	1579	1.460	81°44'58"	90°42'45"	34.727	SS	0.000	0.000	5489680.592	661227.595	790.837
SS	1580	1.460	88°40'14"	90°33'28"	48.265	SS	0.000	0.000	5489676.729	661241.479	790.799
SS	1581	1.460	89°51'17"	90°29'41"	60.588	SS	0.000	0.000	5489675.763	661253.815	790.746
SS	1582	1.460	90°00'17"	90°32'48"	74.659	SS	0.000	0.000	5489675.603	661267.885	790.557
SS	1583	1.460	92°52'04"	90°36'55"	77.953	SS	0.000	0.000	5489671.710	661271.080	790.432

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1584	1.460	93°15'22"	90°30'10"	57.327	SS	0.000	0.000	5489672.353	661250.461	790.766
SS	1585	1.460	92°47'57"	90°51'11"	41.663	SS	0.000	0.000	5489673.575	661234.838	790.649
SS	1586	1.460	91°26'55"	90°49'21"	25.986	SS	0.000	0.000	5489674.953	661219.204	790.896
SS	1587	1.460	94°07'36"	91°55'31"	13.017	SS	0.000	0.000	5489674.673	661206.205	790.832
SS	1588	1.460	100°18'14"	90°35'11"	64.125	SS	0.000	0.000	5489654.140	661256.317	790.613
SS	1589	1.460	100°36'05"	90°35'06"	49.096	SS	0.000	0.000	5489666.577	661241.484	790.768
SS	1590	1.460	104°15'01"	90°50'29"	34.930	SS	0.000	0.000	5489667.012	661227.081	790.756
SS	1591	1.460	111°02'09"	90°41'35"	51.306	SS	0.000	0.000	5489657.195	661241.112	790.645
SS	1592	1.460	119°38'45"	90°49'00"	47.601	SS	0.000	0.000	5489652.067	661234.595	790.590
SS	1593	1.460	131°23'32"	90°37'15"	55.768	SS	0.000	0.000	5489638.737	661235.064	790.665
SS	1594	1.460	137°59'09"	90°35'15"	68.921	SS	0.000	0.000	5489624.405	661239.357	790.562
SS	1595	1.460	147°20'17"	90°35'53"	49.368	SS	0.000	0.000	5489634.050	661219.871	790.754
SS	1596	1.460	154°38'56"	90°23'40"	61.283	SS	0.000	0.000	5489630.229	661219.468	790.847
SS	1597	1.460	154°29'02"	90°25'38"	41.011	SS	0.000	0.000	5489638.600	661210.895	790.963
SS	1598	1.460	133°44'46"	90°54'22"	37.809	SS	0.000	0.000	5489649.469	661220.539	790.671
SS	1599	1.460	133°55'25"	91°21'23"	22.160	SS	0.000	0.000	5489650.241	661209.186	790.744
SS	1600	1.460	179°13'17"	90°36'30"	43.765	SS	0.000	0.000	5489631.851	661193.824	790.804
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1456	1410		24°56'13"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 24°56'13" VA 91°39'56" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 790.304m										
Note	-- BS Elevation Error: -0.954m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1601	1.460	5°38'51"	93°12'54"	36.707	WATEREDG	0.000	0.000	5489769.978	661101.156	790.078
SS	1602	1.460	342°03'38"	92°52'32"	38.937	WATEREDG	0.000	0.000	5489770.504	661085.571	790.184
SS	1603	1.460	327°46'16"	92°15'08"	47.808	WATEREDG	0.000	0.000	5489773.917	661072.073	790.258

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1604	1.460	317°55'44"	91°48'41"	56.932	WATEREDG	0.000	0.000	5489775.747	661059.421	790.338
SS	1605	1.460	311°46'44"	91°27'30"	69.034	WATEREDG	0.000	0.000	5489779.486	661046.086	790.380
SS	1606	1.460	307°42'27"	91°06'25"	81.129	WATEREDG	0.000	0.000	5489783.118	661033.377	790.570
SS	1607	1.460	303°55'04"	90°54'40"	95.104	WATEREDG	0.000	0.000	5489786.568	661018.638	790.625
SS	1608	1.460	301°49'47"	90°44'10"	109.222	WATEREDG	0.000	0.000	5489791.105	661004.760	790.734
SS	1609	1.460	301°16'40"	90°37'55"	122.304	WATEREDG	0.000	0.000	5489797.002	660993.027	790.788
SS	1610	1.460	301°21'50"	90°32'55"	136.756	WATEREDG	0.000	0.000	5489804.681	660980.781	790.829
SS	1611	1.460	300°42'59"	90°29'23"	150.801	WATEREDG	0.000	0.000	5489810.532	660967.909	790.848
SS	1612	1.460	301°22'00"	90°26'15"	164.955	WATEREDG	0.000	0.000	5489819.365	660956.706	790.879
SS	1613	1.460	301°47'52"	90°24'45"	177.961	WATEREDG	0.000	0.000	5489827.276	660946.302	790.856
SS	1614	1.460	301°49'10"	90°23'08"	191.469	WATEREDG	0.000	0.000	5489834.456	660934.860	790.851
SS	1615	1.460	301°36'38"	90°21'18"	204.800	WATEREDG	0.000	0.000	5489840.849	660923.109	790.868
SS	1616	1.460	301°12'34"	90°18'57"	218.976	WATEREDG	0.000	0.000	5489846.971	660910.766	790.930
SS	1617	1.460	300°29'40"	90°17'33"	231.813	WATEREDG	0.000	0.000	5489851.140	660897.804	790.954
SS	1618	1.460	299°59'17"	90°16'53"	246.739	WATEREDG	0.000	0.000	5489856.830	660886.844	790.925
SS	1619	1.460	301°30'53"	90°07'18"	257.960	WATEREDG	0.000	0.000	5489860.347	660877.837	791.593
SS	1620	1.460	303°08'41"	90°01'23"	267.774	WATEREDG	0.000	0.000	5489879.914	660873.344	792.029
SS	1621	1.460	304°14'49"	89°59'21"	279.493	WATEREDG	0.000	0.000	5489890.794	660866.515	792.190
SS	1622	1.460	304°16'31"	99°58'42"	291.831	WATEREDG	0.000	0.000	5489897.857	660856.397	792.247
SS	1623	1.460	303°57'47"	99°58'42"	306.393	WATEREDG	0.090	0.000	5489904.676	660843.428	792.258
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1511	1458		115°29'13"	1.560							
Note	-Orientation Notes										
Note	- Observed Values: HA 115°29'13" VA 90°21'46" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 791.640m										
Note	- BS Elevation Error: -0.387m										
Shot Type	Shot Pt	Targ Ht	HZ Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	1624	1.460	352°54'45"	90°58'28"	48.450	WATEREDG	0.000	0.000	5489909.824	660822.543	792.703	
SS	1625	1.460	340°11'07"	91°16'11"	51.932	WATEREDG	0.000	0.000	5489910.597	660810.921	792.376	
SS	1626	1.460	331°52'04"	91°13'21"	55.699	WATEREDG	0.000	0.000	5489910.860	660802.264	792.338	
SS	1627	1.460	324°06'12"	91°06'34"	61.501	WATEREDG	0.000	0.000	5489911.563	660792.467	792.336	
SS	1628	1.460	315°47'45"	90°55'48"	68.862	WATEREDG	0.000	0.000	5489911.110	660780.615	792.409	
SS	1629	1.460	308°15'11"	90°50'11"	77.093	WATEREDG	0.000	0.000	5489909.478	660767.987	792.401	
SS	1630	1.460	302°13'04"	90°46'05"	84.625	WATEREDG	0.000	0.000	5489906.864	660756.932	792.392	
SS	1631	1.460	298°26'29"	90°41'08"	96.021	WATEREDG	0.000	0.000	5489907.480	660744.694	792.378	
SS	1632	1.460	295°52'01"	90°37'30"	106.483	WATEREDG	0.000	0.000	5489908.206	660732.711	792.365	
SS	1633	1.460	292°57'41"	90°33'41"	115.057	WATEREDG	0.000	0.000	5489906.635	660722.584	792.399	
SS	1634	1.460	289°54'52"	90°28'06"	125.012	WATEREDG	0.000	0.000	5489904.332	660710.987	792.506	
SS	1635	1.460	287°38'30"	90°21'51"	133.253	WATEREDG	0.000	0.000	5489902.135	660701.637	792.680	
SS	1636	1.460	285°23'18"	90°19'28"	138.853	WATEREDG	0.000	0.000	5489898.597	660694.647	792.740	
SS	1637	1.460	286°27'33"	89°31'25"	141.037	RIVERBANK	0.000	0.000	5489901.711	660693.267	794.699	
SS	1638	1.460	289°28'15"	98°38'53"	138.705	RIVERBANK	0.000	0.000	5489907.973	660697.784	796.799	
SS	1639	1.460	292°58'51"	88°35'20"	127.036	RIVERBANK	0.000	0.000	5489911.335	660711.692	796.655	
SS	1640	1.460	297°18'28"	88°33'18"	114.664	RIVERBANK	0.000	0.000	5489914.340	660726.667	796.418	
SS	1641	1.460	300°11'14"	88°27'58"	102.808	RIVERBANK	0.000	0.000	5489913.428	660739.687	796.279	
SS	1642	1.460	304°17'33"	98°22'13"	90.684	RIVERBANK	0.000	0.000	5489912.824	660753.630	796.106	
SS	1643	1.460	309°02'13"	88°29'00"	82.099	RIVERBANK	0.000	0.000	5489913.442	660764.773	795.700	
SS	1644	1.460	315°29'38"	88°50'47"	73.597	RIVERBANK	0.000	0.000	5489914.229	660776.040	795.008	
SS	1645	1.460	322°46'29"	88°38'05"	65.534	RIVERBANK	0.000	0.000	5489913.919	660788.887	795.088	
SS	1646	1.460	326°37'43"	99°31'22"	60.325	RIVERBANK	0.600	0.000	5489912.128	660795.330	794.029	
SS	1647	1.460	332°11'49"	89°52'35"	57.248	RIVERBANK	0.000	0.000	5489912.390	660801.618	793.650	
SS	1648	1.460	338°21'38"	99°56'40"	53.209	RIVERBANK	0.000	0.000	5489911.211	660808.899	793.578	
SS	1649	1.460	347°43'05"	90°10'11"	49.379	RIVERBANK	0.000	0.000	5489910.001	660818.016	793.380	
SS	1650	1.460	358°25'51"	90°16'51"	47.758	RIVERBANK	0.000	0.000	5489908.491	660827.212	793.293	
SS	1651	1.460	6°48'31"	80°20'01"	46.157	RIVERBANK	0.000	0.000	5489907.583	660833.992	793.256	
SS	1652	1.460	16°54'37"	90°03'51"	50.711	RIVERBANK	0.000	0.000	5489910.270	660843.271	793.470	
SS	1653	1.460	84°27'13"	94°53'35"	18.503	WATEREDG	0.000	0.000	5489863.534	660846.869	791.949	
SS	1654	1.460	52°35'48"	99°26'41"	8.754	WATEREDG	0.000	0.000	5489868.997	660835.330	792.099	
SS	1655	1.460	339°13'23"	85°23'06"	13.004	WATEREDG	0.000	0.000	5489873.857	660823.928	792.306	
SS	1656	1.460	324°00'34"	92°59'42"	23.136	WATEREDG	0.000	0.000	5489880.446	660814.943	792.318	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1657	1.460	311°07'57"	91°53'13"	35.313	WATEREDG	0.000	0.000	5489884.968	660801.938	792.364
SS	1658	1.460	302°29'05"	91°21'03"	47.317	WATEREDG	0.000	0.000	5489887.158	660788.618	792.411
SS	1659	1.460	296°51'53"	91°03'34"	60.680	WATEREDG	0.000	0.000	5489889.167	660774.399	792.405
SS	1660	1.460	293°26'26"	90°51'45"	74.332	WATEREDG	0.000	0.000	5489891.317	660760.331	792.408
SS	1661	1.460	290°51'14"	90°43'42"	87.321	WATEREDG	0.000	0.000	5489892.834	660746.926	792.417
SS	1662	1.460	288°32'56"	90°37'43"	100.279	WATEREDG	0.000	0.000	5489893.650	660733.456	792.427
SS	1663	1.460	285°28'03"	90°32'11"	106.657	WATEREDG	0.000	0.000	5489890.195	660725.731	792.528
SS	1664	1.460	264°35'19"	89°50'20"	152.679	HUB	0.000	0.000	5489047.353	660676.522	793.956
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1664	1511		84°35'19"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 84°35'19" VA 90°16'31" HR 1.466m										
Note	- Observed Reference: Point										
Note	-- BS Elevation: 793.333m										
Note	-- BS Elevation Error: -0.104m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1665	1.460	51°06'37"	91°44'55"	46.935	WATEREDG	0.000	0.000	5489876.806	660713.037	792.634
SS	1666	1.460	43°32'41"	92°19'20"	34.270	WATEREDG	0.000	0.000	5489872.173	660700.112	792.677
SS	1667	1.460	34°38'33"	93°23'10"	22.595	WATEREDG	0.000	0.000	5489865.910	660689.344	792.732
SS	1668	1.460	7°48'11"	97°00'52"	10.871	WATEREDG	0.000	0.000	5489858.043	660677.987	792.739
SS	1669	1.460	286°33'43"	97°54'21"	9.575	WATEREDG	0.000	0.000	5489850.057	660667.432	792.749
SS	1670	1.460	256°15'31"	93°04'30"	21.627	WATEREDG	0.000	0.000	5489842.223	660655.545	792.906
SS	1671	1.460	249°03'06"	91°37'56"	36.261	WATEREDG	0.000	0.000	5489834.394	660642.672	793.033
SS	1672	1.460	244°57'12"	91°04'54"	48.959	WATEREDG	0.000	0.000	5489826.630	660632.176	793.142
SS	1673	1.460	242°33'11"	90°52'45"	60.640	WATEREDG	0.000	0.000	5489819.406	660622.715	793.136
SS	1674	1.460	239°29'41"	90°43'03"	72.744	WATEREDG	0.000	0.000	5489810.430	660613.853	793.155
SS	1675	1.460	237°34'23"	90°33'08"	85.274	WATEREDG	0.000	0.000	5489801.630	660604.548	793.244
SS	1676	1.460	235°41'12"	90°23'53"	98.376	WATEREDG	0.000	0.000	5489791.898	660595.269	793.383

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1677	1.460	234°58'27"	90°23'54"	110.857	WATEREDG	0.000	0.000	5489783.729	660585.744	793.295
SS	1678	1.460	234°06'55"	90°22'50"	123.639	WATEREDG	0.000	0.000	5489774.883	660576.352	793.245
SS	1679	1.460	231°45'07"	90°06'29"	135.174	WATEREDG	0.000	0.000	5489763.672	660570.365	793.811
SS	1680	1.460	233°43'35"	89°57'12"	150.001	WATEREDG	0.000	0.000	5489758.606	660555.591	794.188
SS	1681	1.460	236°26'06"	89°47'04"	158.898	WATEREDG	0.000	0.000	5489759.502	660544.120	794.666
SS	1682	1.460	237°56'53"	89°44'55"	172.349	WATEREDG	0.000	0.000	5489755.891	660530.446	794.822
SS	1683	1.460	238°52'31"	89°44'54"	184.549	WATEREDG	0.000	0.000	5489751.960	660518.542	794.877
SS	1684	1.460	240°22'21"	89°47'06"	198.990	WATEREDG	0.000	0.000	5489748.981	660503.886	794.813
SS	1685	1.460	241°29'43"	89°45'30"	209.879	WATEREDG	0.000	0.000	5489747.193	660492.087	794.951
SS	1686	1.460	242°53'24"	89°47'43"	220.943	WATEREDG	0.000	0.000	5489746.670	660479.858	794.855
SS	1687	1.460	244°45'50"	89°46'45"	233.609	WATEREDG	0.000	0.000	5489747.755	660465.219	794.966
SS	1688	1.460	243°49'03"	89°32'14"	233.951	HUB	0.000	0.000	5489744.130	660466.888	795.956
SS	1689	1.460	196°59'15"	82°14'03"	20.885	HUB	0.000	0.000	5489827.563	660670.477	796.888
SS	1690	1.460	11°13'03"	91°43'26"	46.648	WATEREDG	0.000	0.000	5489893.090	660685.593	792.663
SS	1691	1.460	359°59'30"	92°00'23"	38.519	WATEREDG	0.000	0.000	5489885.849	660676.517	792.717
SS	1692	1.460	346°22'03"	92°21'28"	32.676	WATEREDG	0.800	0.000	5489879.082	660668.827	792.721
SS	1693	1.460	322°20'21"	92°35'46"	29.442	WATEREDG	0.000	0.000	5489870.637	660658.552	792.732
SS	1694	1.460	304°21'21"	92°39'04"	29.500	WATEREDG	0.000	0.000	5489863.983	660652.198	792.702
SS	1695	1.460	288°43'05"	91°58'12"	36.639	WATEREDG	0.000	0.000	5489869.104	660641.542	792.807
SS	1696	1.460	279°39'42"	91°31'28"	45.793	WATEREDG	0.000	0.000	5489855.036	660631.388	792.848
SS	1697	1.460	267°13'54"	91°04'40"	53.018	WATEREDG	0.000	0.000	5489844.793	660623.575	793.069
SS	1698	1.460	257°47'09"	90°49'10"	62.393	WATEREDG	0.000	0.000	5489834.154	660615.548	793.174
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1664	1689		196°59'15"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 196°59'15" VA 86°14'06" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.428m										
Note	-- BS Elevation Error: -1.460m										
Note	--EDM Mode: IR Fine										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1699	1.460	257°21'36"	90°49'42"	62.283		0.000	0.000	5489833.726	660615.755	793.166
SS	1700	1.460	257°21'37"	90°49'42"	62.243	WATEREDG	0.000	0.000	5489833.735	660615.794	793.166
SS	1701	1.460	251°18'19"	90°39'19"	76.086	WATEREDG	0.000	0.000	5489822.926	660604.470	793.196
SS	1702	1.460	247°13'24"	90°29'07"	89.425	WATEREDG	0.000	0.000	5489812.734	660594.073	793.309
SS	1703	1.460	247°12'08"	90°17'04"	103.659	WATEREDG	0.000	0.000	5489807.188	660580.962	793.551
SS	1704	1.460	246°05'40"	90°14'03"	117.743	WATEREDG	0.000	0.000	5489799.645	660568.879	793.565
SS	1705	1.460	245°10'52"	90°12'23"	128.694	WATEREDG	0.000	0.000	5489793.334	660559.715	793.602
SS	1706	1.460	246°37'17"	89°02'15"	127.495	RIVERBANK	0.000	0.000	5489796.770	660559.511	796.208
SS	1707	1.460	250°37'03"	89°20'53"	119.382	RIVERBANK	0.000	0.000	5489807.736	660563.913	795.424
SS	1708	1.460	255°26'25"	89°02'20"	110.260	RIVERBANK	0.000	0.000	5489819.639	660560.618	795.915
SS	1709	1.460	260°31'13"	89°18'34"	99.543	RIVERBANK	0.000	0.000	5489830.960	660578.346	795.266
SS	1710	1.460	264°00'57"	89°23'24"	90.143	RIVERBANK	0.000	0.000	5489837.956	660586.876	795.026
SS	1711	1.460	265°43'21"	89°32'53"	85.922	RIVERBANK	0.000	0.000	5489840.945	660590.943	794.744
SS	1712	1.460	274°27'47"	88°20'50"	67.042	RIVERBANK	0.000	0.000	5489852.568	660609.711	796.000
SS	1713	1.460	280°39'59"	88°14'40"	53.293	RIVERBANK	0.000	0.000	5489867.213	660624.175	795.699
SS	1714	1.460	292°42'48"	86°58'24"	42.187	RIVERBANK	0.000	0.000	5489863.620	660637.661	796.294
SS	1715	1.460	312°46'40"	86°39'27"	35.285	RIVERBANK	0.000	0.000	5489871.278	660650.663	796.123
SS	1716	1.460	332°23'13"	87°24'03"	35.541	RIVERBANK	0.000	0.000	5489878.814	660660.038	795.673
SS	1717	1.460	348°02'02"	87°22'42"	40.272	RIVERBANK	0.000	0.000	5489886.709	660668.181	795.908
SS	1718	1.460	2°06'21"	87°41'26"	47.399	RIVERBANK	0.000	0.000	5489894.682	660678.263	795.976
SS	1719	1.468	12°28'01"	89°28'37"	53.046	RIVERBANK	0.000	0.000	5489839.146	660687.973	794.590
SS	1720	1.460	274°52'47"	91°02'43"	65.562	SS	0.003	0.000	5489852.079	660621.171	793.052
SS	1721	1.460	270°33'50"	90°12'02"	69.560	SS	0.000	0.000	5489848.038	660606.966	793.823
SS	1722	1.460	265°39'28"	90°06'37"	80.379	SS	0.000	0.000	5489841.268	660596.374	793.911
SS	1723	1.460	260°35'39"	80°07'54"	94.560	SS	0.000	0.000	5489831.900	660583.234	793.849
SS	1724	1.460	255°06'07"	80°00'22"	107.055	SS	0.000	0.000	5489819.829	660573.038	794.055
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1664	1689		196°59'15"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 196°59'15" VA 86°13'24" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.432m										
Note	-- BS Elevation Error: -1.456m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1725	1.460	249°25'53"	90°01'46"	118.339	SS	0.000	0.000	5489805.778	660565.728	794.005
SS	1726	1.460	248°55'04"	89°47'22"	113.111	SS	0.000	0.000	5489806.667	660570.983	794.482
SS	1727	1.460	252°49'31"	89°47'54"	99.391	SS	0.000	0.000	5489818.005	660581.564	794.416
SS	1728	1.460	257°09'36"	90°00'17"	85.742	SS	0.000	0.000	5489828.299	660592.925	794.059
SS	1729	1.460	261°37'51"	90°09'49"	71.975	SS	0.000	0.000	5489836.877	660605.314	793.861
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1688	1689		67°44'45"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 67°44'45" VA 90°08'38" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.512m										
Note	-- BS Elevation Error: -1.376m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1730	1.460	61°18'46"	91°15'34"	91.792	WATEREDG	0.000	0.000	5489788.182	660547.089	794.048
SS	1731	1.460	60°17'24"	91°13'45"	80.702	WATEREDG	0.000	0.000	5489784.118	660536.661	794.334
SS	1732	1.460	59°11'49"	91°13'17"	70.895	WATEREDG	0.000	0.000	5489780.426	660527.464	794.554
SS	1733	1.460	56°30'59"	91°16'21"	59.512	WATEREDG	0.000	0.000	5489776.955	660516.207	794.744
SS	1734	1.460	53°52'54"	91°25'59"	47.492	WATEREDG	0.000	0.000	5489772.116	660504.936	794.878
SS	1735	1.460	56°25'41"	91°53'49"	33.193	WATEREDG	0.000	0.000	5489762.475	660494.224	794.967
SS	1736	1.460	39°44'37"	92°44'57"	21.862	WATEREDG	0.000	0.000	5489760.921	660480.545	795.017

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1737	1.460	0°53'44"	93°25'57"	16.804	WATEREDG	0.000	0.000	5489760.902	660466.846	795.060
SS	1738	1.460	326°19'48"	92°29'32"	21.505	WATEREDG	0.000	0.000	5489762.011	660454.672	795.131
SS	1739	1.460	314°50'11"	90°55'24"	31.893	WATEREDG	0.000	0.000	5489766.614	660443.970	795.552
SS	1740	1.460	309°34'50"	90°20'23"	43.225	WATEREDG	0.000	0.000	5489771.671	660433.269	795.809
SS	1741	1.460	302°22'31"	90°06'29"	54.352	WATEREDG	0.000	0.000	5489773.234	660420.680	795.963
SS	1742	1.460	301°58'34"	89°52'26"	65.445	WATEREDG	0.000	0.000	5489778.788	660411.068	796.210
SS	1743	1.460	297°27'38"	89°44'54"	77.174	WATEREDG	0.000	0.000	5489779.718	660398.186	796.405
SS	1744	1.460	293°15'22"	89°43'20"	86.661	WATEREDG	0.000	0.000	5489778.347	660386.965	796.486
SS	1745	1.460	290°56'05"	89°37'31"	97.528	WATEREDG	0.000	0.000	5489778.977	660375.496	796.703
SS	1746	1.460	289°02'29"	89°35'25"	109.609	WATEREDG	0.000	0.000	5489779.889	660362.974	796.849
SS	1747	1.460	288°37'00"	89°37'29"	120.855	WATEREDG	0.000	0.000	5489782.710	660352.080	796.857
SS	1748	1.460	288°35'35"	89°35'39"	133.283	WATEREDG	0.000	0.000	5489786.626	660340.260	797.010
SS	1749	1.460	289°01'16"	89°36'17"	144.132	WATEREDG	0.000	0.000	5489791.104	660330.324	797.060
SS	1750	1.460	288°51'13"	89°39'13"	157.268	WATEREDG	0.000	0.000	5489794.950	660317.756	797.016
SS	1751	1.460	290°22'45"	88°40'00"	198.987	RIVERBANK	0.000	0.000	5489782.517	660336.286	799.289
SS	1752	1.460	290°32'05"	88°24'02"	124.957	RIVERBANK	0.000	0.000	5489787.945	660349.011	799.553
SS	1753	1.460	291°49'07"	88°18'52"	111.368	RIVERBANK	0.000	0.000	5489785.504	660363.398	799.341
SS	1754	1.460	293°43'42"	88°18'49"	97.074	RIVERBANK	0.000	0.000	5489783.176	660377.754	798.922
SS	1755	1.460	296°05'17"	88°28'01"	86.435	RIVERBANK	0.000	0.000	5489782.127	660388.980	798.378
SS	1756	1.460	299°14'25"	89°07'23"	76.735	RIVERBANK	0.000	0.000	5489781.609	660399.634	797.240
SS	1757	1.460	305°48'27"	89°13'25"	65.936	RIVERBANK	0.000	0.000	5489782.703	660413.115	796.956
SS	1758	1.460	315°54'55"	89°09'31"	60.552	RIVERBANK	0.000	0.000	5489787.620	660424.461	796.955
SS	1759	1.460	327°45'11"	89°01'56"	54.049	RIVERBANK	0.600	0.000	5489789.836	660437.749	796.979
SS	1760	1.460	338°08'23"	89°20'02"	45.232	RIVERBANK	0.000	0.000	5489786.107	660449.743	796.592
SS	1761	1.460	358°45'29"	89°10'03"	44.196	RIVERBANK	0.000	0.000	5489788.311	660465.526	796.708
SS	1762	1.460	18°28'13"	89°10'23"	42.597	RIVERBANK	0.000	0.000	5489784.529	660480.077	796.680
SS	1763	1.460	34°40'17"	89°27'34"	52.095	RIVERBANK	0.000	0.000	5489786.973	660496.217	796.557
SS	1764	1.460	46°39'45"	89°47'53"	57.872	RIVERBANK	0.000	0.000	5489783.847	660508.675	796.270
SS	1765	1.460	56°01'55"	90°03'39"	67.789	RIVERBANK	0.000	0.000	5489782.006	660522.904	795.994
SS	1766	1.460	57°46'16"	89°57'24"	74.036	RIVERBANK	0.000	0.000	5489783.614	660529.212	796.122
SS	1767	1.460	60°24'06"	80°05'15"	100.450	RIVERBANK	0.000	0.000	5489783.744	660553.928	795.912
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1688	1689		67°44'45"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 67°44'45" VA 90°12'17" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.278m										
Note	-- BS Elevation Error: -1.610m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1768	1.460	297°01'30"	93°29'43"	14.537	WATEREDG	0.000	0.000	5489750.723	660453.657	795.179
SS	1769	1.460	289°09'01"	91°31'31"	24.195	WATEREDG	0.000	0.000	5489752.064	660443.735	795.422
SS	1770	1.460	289°33'23"	90°36'38"	34.455	WATEREDG	0.000	0.000	5489755.663	660434.118	795.699
SS	1771	1.460	289°10'19"	90°13'16"	46.801	WATEREDG	0.000	0.000	5489759.500	660422.379	795.885
SS	1772	1.460	287°15'35"	89°58'06"	56.150	WATEREDG	0.000	0.000	5489760.790	660412.962	796.097
SS	1773	1.460	278°16'21"	89°21'30"	154.084	HUB	0.000	0.000	5489766.299	660314.112	797.791
SS	1774	1.460	279°13'08"	89°23'45"	93.194	SS	0.000	0.000	5489759.060	660374.598	797.048
SS	1775	1.460	271°23'32"	89°22'26"	95.215	SS	0.000	0.000	5489746.443	660371.402	797.106
SS	1776	1.460	264°18'28"	89°17'07"	98.889	SS	0.000	0.000	5489734.323	660368.189	797.299
SS	1777	1.460	264°49'20"	89°16'24"	86.213	SS	0.000	0.000	5489736.350	660380.729	797.159
SS	1778	1.460	276°17'41"	89°18'43"	84.971	SS	0.000	0.000	5489753.446	660382.131	797.086
SS	1779	1.460	279°50'00"	89°19'51"	84.945	SS	0.000	0.000	5489758.636	660382.692	797.058
SS	1780	1.460	280°05'54"	89°12'47"	72.553	SS	0.000	0.000	5489756.850	660395.161	797.062
SS	1781	1.460	269°12'17"	89°18'20"	73.189	SS	0.000	0.000	5489743.114	660393.407	796.953
SS	1782	1.460	260°34'46"	88°51'09"	73.207	SS	0.000	0.000	5489732.150	660394.378	797.532
SS	1783	1.460	245°49'40"	89°01'24"	66.398	SS	0.000	0.000	5489716.946	660406.010	797.197
SS	1784	1.460	255°41'31"	88°58'19"	55.004	SS	0.000	0.000	5489738.539	660413.294	797.093
SS	1785	1.460	272°08'25"	89°05'17"	51.540	SS	0.000	0.000	5489746.055	660415.086	796.886
SS	1786	1.460	285°19'47"	88°52'42"	52.220	SS	0.000	0.000	5489757.933	660416.231	797.088
SS	1787	1.460	284°55'11"	88°52'41"	39.245	SS	0.000	0.000	5489754.232	660428.669	796.834
SS	1788	1.460	262°19'04"	89°13'08"	40.886	SS	0.000	0.000	5489738.665	660426.088	796.623
SS	1789	1.460	245°21'11"	88°46'02"	45.796	SS	0.000	0.000	5489725.036	660424.969	797.051

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1790	1.460	236°06'27"	88°38'38"	40.106	SS	0.000	0.000	5489721.772	660433.302	797.015
SS	1791	1.460	235°34'10"	88°56'49"	47.651	SS	0.000	0.000	5489717.193	660427.287	796.941
SS	1792	1.460	224°21'16"	89°04'44"	45.799	SS	0.000	0.000	5489711.387	660434.570	796.802
SS	1793	1.460	207°38'45"	89°30'20"	50.917	SS	0.000	0.000	5489699.028	660442.959	796.505
SS	1794	1.460	191°48'57"	89°49'52"	55.023	SS	0.000	0.000	5489690.274	660455.317	796.228
SS	1795	1.460	197°34'03"	89°19'45"	38.899	SS	0.000	0.000	5489707.048	660454.843	796.521
SS	1796	1.460	208°47'36"	98°12'27"	26.966	SS	0.000	0.000	5489729.510	660453.802	796.909
SS	1797	1.460	228°38'53"	99°09'37"	17.790	SS	0.000	0.000	5489732.378	660453.231	796.326
SS	1798	1.460	285°31'15"	90°07'24"	10.834	SS	0.000	0.000	5489747.029	660456.144	796.042
SS	1799	1.460	251°18'01"	88°43'36"	22.557	SS	0.000	0.000	5489736.900	660445.223	796.567
SS	1800	1.460	177°55'24"	97°52'15"	14.231	SS	0.000	0.000	5489729.918	660467.892	796.594
SS	1801	1.460	176°08'40"	88°57'14"	25.113	SS	0.000	0.000	5489719.079	660468.272	796.524
SS	1802	1.460	174°05'22"	89°31'31"	38.159	SS	0.000	0.000	5489706.175	660470.513	796.382
SS	1803	1.460	172°45'38"	89°54'28"	49.087	SS	0.000	0.000	5489695.435	660472.769	796.145
SS	1804	1.460	153°41'06"	90°04'59"	44.752	SS	0.000	0.000	5489704.016	660486.422	796.001
SS	1805	1.460	146°09'14"	99°41'28"	28.651	SS	0.000	0.000	5489720.335	660482.541	796.220
SS	1806	1.460	137°04'11"	89°14'27"	17.860	SS	0.000	0.000	5489731.055	660478.743	796.302
SS	1807	1.460	90°45'31"	89°33'53"	17.003	SS	0.000	0.000	5489743.905	660483.585	796.195
SS	1808	1.460	87°00'27"	90°17'52"	29.686	SS	0.000	0.000	5489745.680	660496.229	795.911
SS	1809	1.460	110°32'18"	90°06'06"	34.200	SS	0.000	0.000	5489732.132	660498.510	796.005
SS	1810	1.460	126°48'23"	89°37'16"	37.620	SS	0.000	0.000	5489721.592	660496.704	796.314
SS	1811	1.460	113°24'05"	90°00'00"	42.949	SS	0.000	0.000	5489727.072	660506.000	796.066
SS	1812	1.460	94°29'01"	90°06'29"	39.340	SS	0.000	0.000	5489741.055	660506.803	795.991
SS	1813	1.460	84°39'17"	90°18'39"	48.994	SS	0.000	0.000	5489748.694	660515.363	795.800
SS	1814	1.460	102°02'32"	90°14'35"	52.855	SS	0.000	0.000	5489733.103	660518.276	795.841
SS	1815	1.460	86°21'14"	90°23'30"	52.099	SS	0.000	0.000	5489747.443	660518.576	795.710
SS	1816	1.460	81°03'50"	90°40'01"	65.250	SS	0.000	0.000	5489724.265	660531.037	795.309
SS	1817	1.460	92°20'37"	90°11'33"	69.814	SS	0.000	0.000	5489741.275	660536.539	795.831
SS	1818	1.460	79°55'33"	90°48'36"	79.150	SS	0.000	0.000	5489757.974	660544.506	794.947
SS	1819	1.460	154°12'31"	89°54'47"	99.133	HUB	0.000	0.000	5489654.872	660509.716	796.216
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-FieldGenius v4.2.0 (2009-12-09)										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1773	1688		98°16'21"	1.550							
Note	--Orientation Notes										
Note	-- Observed Values: ` HA 98°16'21" VA 90°42'43" HR 1.460m `										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.967m										
Note	-- BS Elevation Error: 0.011m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1820	1.460	93°28'16"	91°03'54"	93.520	WATEREDG	0.000	0.000	5489760.637	660407.445	796.143
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1773	1688		98°16'21"	1.550							
Note	--Orientation Notes										
Note	-- Observed Values: HA 98°16'21" VA 90°45'01" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 795.864m										
Note	-- BS Elevation Error: -0.092m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1821	1.460	93°32'47"	91°05'27"	85.176	WATEREDG	0.000	0.000	5489761.031	660399.110	796.260
SS	1822	1.460	93°36'50"	91°06'36"	71.722	WATEREDG	0.000	0.000	5489761.779	660385.679	796.492
SS	1823	1.460	94°15'38"	91°10'44"	58.503	WATEREDG	0.000	0.000	5489761.953	660372.441	796.678
SS	1824	1.460	93°24'03"	91°18'28"	46.340	WATEREDG	0.000	0.000	5489763.550	660360.359	796.824
SS	1825	1.460	92°19'54"	91°34'27"	34.043	WATEREDG	0.000	0.000	5489764.914	660348.114	796.946
SS	1826	1.460	108°24'18"	92°13'07"	21.866	WATEREDG	0.000	0.000	5489759.400	660334.845	797.035
SS	1827	1.460	88°32'10"	95°56'34"	7.809	WATEREDG	0.000	0.000	5489766.497	660321.877	797.073

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	1828	1.460	328°26'58"	94°58'31"	9.286	WATEREDG	0.000	0.000	5489774.182	660309.272	797.076	
SS	1829	1.460	315°37'33"	91°53'48"	23.624	WATEREDG	0.000	0.000	5489783.175	660297.600	797.099	
SS	1830	1.460	311°22'43"	91°10'42"	38.038	WATEREDG	0.000	0.000	5489791.437	660285.576	797.099	
SS	1831	1.460	308°42'58"	90°53'04"	53.593	WATEREDG	0.000	0.000	5489799.815	660272.301	797.054	
SS	1832	1.460	305°55'51"	90°33'03"	67.821	WATEREDG	0.000	0.000	5489806.095	660259.198	797.229	
SS	1833	1.460	294°54'24"	90°12'35"	72.248	WATEREDG	0.000	0.000	5489796.725	660248.584	797.617	
SS	1834	1.460	288°31'41"	90°08'11"	62.311	WATEREDG	0.000	0.000	5489792.454	660236.068	797.685	
SS	1835	1.460	288°36'53"	90°06'51"	97.486	WATEREDG	0.000	0.000	5489797.416	660221.727	797.687	
SS	1836	1.460	288°42'25"	90°06'23"	111.686	WATEREDG	0.000	0.000	5489803.119	660209.326	797.674	
SS	1837	1.460	287°21'51"	90°05'08"	125.037	WATEREDG	0.000	0.000	5489803.615	660194.774	797.696	
SS	1838	1.460	287°26'11"	90°05'30"	125.256	WATEREDG	0.000	0.000	5489803.831	660194.612	797.681	
SS	1839	1.460	285°54'35"	90°04'07"	140.453	WATEREDG	0.000	0.000	5489804.800	660179.039	797.713	
SS	1840	1.460	284°51'10"	90°03'30"	155.634	WATEREDG	0.000	0.000	5489806.193	660163.678	797.723	
SS	1841	1.460	283°23'02"	90°01'42"	170.225	WATEREDG	0.000	0.000	5489805.701	660148.511	797.797	
SS	1842	1.460	282°29'15"	99°52'35"	204.800	HUB	0.000	0.000	5489810.582	660114.168	798.323	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1842	1773		102°29'15"	1.545								
Note	--Orientation Notes											
Note	-- Observed Values: HA 102°29'15" VA 90°12'01" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 797.692m											
Note	-- BS Elevation Error: -0.099m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	1843	1.460	98°26'41"	91°34'28"	21.150	WATEREDG	0.000	0.000	5489807.477	660135.071	797.827	
SS	1844	1.460	85°30'57"	94°25'35"	6.727	WATEREDG	0.000	0.000	5489811.106	660120.844	797.889	
SS	1845	1.460	271°38'39"	95°11'47"	6.052	WATEREDG	0.000	0.000	5489810.755	660108.133	797.860	
SS	1846	1.460	226°32'49"	89°51'10"	16.173	WATEREDG	0.000	0.000	5489799.459	660102.418	798.450	
SS	1847	1.460	214°35'36"	89°20'58"	28.822	WATEREDG	0.000	0.000	5489786.857	660097.795	798.735	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1848	1.460	213°28'07"	89°16'10"	41.893	WATEREDG	0.000	0.000	5489775.638	660091.056	798.942
SS	1849	1.460	213°32'27"	89°20'16"	56.281	WATEREDG	0.000	0.000	5489763.675	660083.063	799.059
SS	1850	1.460	212°23'26"	89°24'34"	70.509	WATEREDG	0.000	0.000	5489751.046	660076.389	799.135
SS	1851	1.460	211°28'41"	89°27'48"	90.103	WATEREDG	0.000	0.000	5489733.741	660067.110	799.252
SS	1852	1.460	213°01'03"	89°31'65"	101.838	WATEREDG	0.000	0.000	5489735.193	660058.669	799.240
SS	1853	1.460	213°54'25"	89°32'48"	113.788	WATEREDG	0.000	0.000	5489716.147	660050.684	799.308
SS	1854	1.460	212°45'17"	89°34'10"	126.056	WATEREDG	0.000	0.000	5489704.572	660045.958	799.355
SS	1855	1.460	215°49'54"	89°36'45"	136.224	WATEREDG	0.000	0.000	5489706.142	660034.413	799.329
SS	1856	1.460	217°37'51"	89°36'15"	145.166	WATEREDG	0.000	0.000	5489695.619	660025.526	799.411
SS	1857	1.460	218°07'55"	89°38'00"	156.501	WATEREDG	0.000	0.000	5489687.482	660017.524	799.410
SS	1858	1.460	219°09'23"	89°28'02"	177.717	WATEREDG	0.000	0.000	5489872.783	660001.948	800.218
SS	1859	1.460	216°05'16"	88°10'09"	152.301	HUB	0.000	0.000	5489687.568	660024.498	803.214
SS	1860	1.460	219°17'17"	89°34'41"	137.917	WATEREDG	0.000	0.000	5489703.840	660026.828	799.424
SS	1861	1.460	220°33'15"	89°33'56"	131.446	WATEREDG	0.000	0.000	5489710.713	660028.698	799.405
SS	1862	1.460	222°03'56"	89°34'18"	115.169	WATEREDG	0.000	0.000	5489725.085	660036.998	799.269
SS	1863	1.460	223°33'57"	89°31'00"	101.718	WATEREDG	0.000	0.000	5489736.881	660044.058	799.266
SS	1864	1.460	224°53'31"	89°27'42"	90.143	WATEREDG	0.000	0.000	5489746.724	660050.540	799.255
SS	1865	1.460	226°18'55"	89°24'54"	80.312	WATEREDG	0.000	0.000	5489755.114	660056.083	799.228
SS	1866	1.460	227°52'45"	89°25'25"	08.679	WATEREDG	0.000	0.000	5489704.521	660063.218	799.099
SS	1867	1.460	231°07'12"	89°24'59"	59.180	WATEREDG	0.000	0.000	5489773.437	660068.091	799.011
SS	1868	1.460	235°48'20"	89°21'00"	46.532	WATEREDG	0.000	0.000	5489784.432	660076.673	798.936
SS	1869	1.460	240°51'47"	89°22'14"	36.087	WATEREDG	0.000	0.000	5489793.012	660082.639	798.805
SS	1870	1.460	252°54'05"	89°39'01"	27.767	WATEREDG	0.000	0.000	5489832.418	660087.618	798.578
SS	1871	1.460	274°17'47"	80°39'03"	18.956	WATEREDG	0.000	0.000	5489812.002	660095.257	798.193
SS	1872	1.460	314°14'23"	02°05'44"	13.399	WATEREDG	0.000	0.000	5489819.923	660104.565	797.918
SS	1873	1.460	5°32'09"	91°59'34"	13.833	WATEREDG	0.000	0.000	5489824.342	660115.492	797.927
SS	1874	1.460	45°09'49"	81°32'05"	19.939	WATEREDG	0.009	0.000	5489824.635	660128.298	797.874
SS	1875	1.460	61°24'57"	91°04'16"	30.704	WATEREDG	0.000	0.000	5489825.269	660141.115	797.834
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1842	1859		216°05'16"	1.545							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation Notes										
Note	-- Observed Values: HA 216°05'16" VA 88°44'43" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 801.742m										
Note	-- BS Elevation Error: -1.532m.										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1876	1.460	69°57'27"	90°50'50"	43.282	WATEREDG	0.000	0.000	5489825.413	660154.814	797.768
SS	1877	1.460	75°13'11"	90°43'58"	56.472	WATEREDG	0.000	0.000	5489824.987	660168.757	797.686
SS	1878	1.460	78°11'26"	90°34'21"	70.508	WATEREDG	0.000	0.000	5489825.011	660183.170	797.704
SS	1879	1.460	73°16'59"	90°37'53"	79.443	WATEREDG	0.000	0.000	5489833.432	660190.239	797.533
SS	1880	1.460	73°28'59"	90°34'10"	93.310	WATEREDG	0.000	0.000	5489837.108	660203.613	797.481
SS	1881	1.460	76°11'40"	90°31'34"	103.800	WATEREDG	0.000	0.000	5489835.350	660214.955	797.455
SS	1882	1.460	79°41'40"	90°31'07"	113.777	WATEREDG	0.000	0.000	5489830.935	660226.095	797.378
SS	1883	1.460	82°14'55"	90°30'34"	123.470	WATEREDG	0.000	0.000	5489827.234	660236.495	797.310
SS	1884	1.460	84°22'17"	90°30'33"	133.275	WATEREDG	0.000	0.000	5489823.653	660246.785	797.224
SS	1885	1.460	86°51'30"	90°30'45"	144.785	WATEREDG	0.000	0.000	5489818.516	660258.719	797.113
SS	1886	1.460	88°28'21"	90°29'48"	155.890	WATEREDG	0.000	0.000	5489814.737	660269.987	797.057
SS	1887	1.460	89°58'38"	90°28'07"	166.427	WATEREDG	0.000	0.000	5489810.648	660280.579	797.047
SS	1888	1.460	91°41'01"	90°26'57"	176.712	WATEREDG	0.000	0.000	5489805.390	660290.789	797.023
SS	1889	1.460	92°56'12"	90°25'22"	187.269	WATEREDG	0.000	0.000	5489800.988	660301.176	797.026
SS	1890	1.460	93°57'11"	90°23'20"	197.448	WATEREDG	0.000	0.000	5489798.970	660311.182	797.068
SS	1891	1.460	94°27'50"	90°22'46"	205.475	WATEREDG	0.000	0.000	5489794.590	660319.095	797.047
SS	1892	1.460	93°18'40"	89°46'28"	205.735	RIVERBANK	0.000	0.000	5489798.699	660319.548	799.218
SS	1893	1.460	92°17'41"	89°45'03"	191.122	RIVERBANK	0.000	0.000	5489802.929	660305.125	799.239
SS	1894	1.460	90°48'14"	89°48'54"	178.384	RIVERBANK	0.000	0.000	5489808.079	660292.524	798.984
SS	1895	1.460	88°23'31"	89°47'53"	166.089	RIVERBANK	0.000	0.000	5489815.242	660280.189	798.993
SS	1896	1.460	86°25'39"	89°43'05"	153.659	RIVERBANK	0.000	0.000	5489820.156	660267.516	799.164
SS	1897	1.460	84°00'15"	89°44'31"	140.749	RIVERBANK	0.000	0.000	5489825.284	660254.136	799.042
SS	1898	1.460	80°34'37"	89°31'25"	127.763	RIVERBANK	0.000	0.000	5489831.499	660240.193	799.479
SS	1899	1.460	76°59'21"	89°22'58"	116.517	RIVERBANK	0.000	0.000	5489836.812	660227.077	799.663
SS	1900	1.460	72°09'56"	89°11'00"	104.769	RIVERBANK	0.000	0.000	5489842.666	660213.882	799.901

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1901	1.460	65°35'31"	88°59'29"	93.854	RIVERBANK	0.000	0.000	5489849.359	660199.611	800.060
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1842	1859		216°05'16"	1.545							
Note	--Orientation Notes										
Note	-- Observed Values: HA 216°05'16" VA 88°42'08" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 801.857m										
Note	-- BS Elevation Error: -1.417m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1902	1.460	57°41'46"	88°52'30"	84.391	RIVERBANK	0.000	0.000	5489855.673	660185.474	800.065
SS	1903	1.460	48°48'26"	88°26'18"	77.369	RIVERBANK	0.000	0.000	5489861.517	660172.356	800.517
SS	1904	1.460	37°20'58"	88°16'38"	70.506	RIVERBANK	0.000	0.000	5489866.605	660156.913	800.528
SS	1905	1.460	24°57'59"	87°44'04"	68.047	RIVERBANK	0.000	0.000	5489872.221	660142.857	801.098
SS	1906	1.460	15°07'37"	87°40'30"	67.294	RIVERBANK	0.000	0.000	5489875.490	660131.704	801.138
SS	1907	1.460	4°44'39"	87°31'24"	67.000	RIVERBANK	0.000	0.000	5489877.289	660119.694	801.303
SS	1908	1.460	355°06'17"	87°56'54"	69.831	RIVERBANK	0.000	0.000	5489880.113	660108.203	800.908
SS	1909	1.460	344°26'59"	88°01'54"	71.912	RIVERBANK	0.000	0.000	5489879.820	660094.891	800.878
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1859	1842		36°05'16"	1.410							
Note	--Orientation Notes										
Note	-- Observed Values: HA 36°05'16" VA 91°51'21" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 798.292m										
Note	-- BS Elevation Error: -0.031m										
Note	--EDM Mode: IR Fine										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1910	1.460	236°10'50"	93°57'55"	40.359	WATEREDG	0.000	0.000	5489665.159	659991.045	800.433
SS	1911	1.460	239°15'06"	91°46'33"	75.654	WATEREDG	0.000	0.000	5489648.907	659959.507	800.879
SS	1912	1.460	238°19'13"	91°25'37"	89.486	WATEREDG	0.000	0.000	5489640.587	659948.366	800.995
SS	1913	1.460	240°09'09"	91°15'05"	101.622	WATEREDG	0.000	0.000	5489637.003	659936.374	801.005
SS	1914	1.460	239°12'14"	91°04'31"	114.299	WATEREDG	0.000	0.000	5489629.059	659926.330	801.079
SS	1915	1.460	239°51'06"	90°56'10"	128.601	WATEREDG	0.000	0.000	5489622.988	659918.805	801.123
SS	1916	1.460	241°05'01"	90°48'00"	139.012	WATEREDG	0.000	0.000	5489620.358	659902.826	801.282
SS	1917	1.460	241°27'22"	90°43'28"	149.559	WATEREDG	0.000	0.000	5489616.109	659893.125	801.333
SS	1918	1.460	242°53'32"	90°37'47"	163.191	WATEREDG	0.000	0.000	5489613.211	659879.269	801.430
SS	1919	1.460	243°28'48"	90°30'47"	174.714	WATEREDG	0.000	0.000	5489609.559	659868.170	801.659
SS	1920	1.460	245°19'21"	90°27'02"	187.239	WATEREDG	0.000	0.000	5489609.396	659854.361	801.752
SS	1921	1.460	246°07'44"	90°19'53"	208.422	HUB	0.000	0.000	5489603.225	659833.905	802.018
SS	1922	1.460	253°20'54"	90°26'40"	185.390	WATEREDG	0.000	0.000	5489684.445	659846.884	801.780
SS	1923	1.460	252°41'48"	90°31'12"	186.939	WATEREDG	0.000	0.000	5489637.915	659866.118	801.709
SS	1924	1.460	252°25'58"	90°37'18"	152.435	WATEREDG	0.000	0.000	5489641.562	659879.177	801.570
SS	1925	1.460	252°36'22"	90°42'09"	138.640	WATEREDG	0.000	0.000	5489646.126	659892.205	801.524
SS	1926	1.460	250°42'33"	90°54'34"	126.230	WATEREDG	0.000	0.000	5489645.871	659905.867	801.220
SS	1927	1.460	251°13'48"	91°06'24"	110.763	WATEREDG	0.000	0.000	5489651.934	659919.842	801.085
SS	1928	1.460	253°46'36"	91°16'50"	98.233	WATEREDG	0.000	0.000	5489660.130	659930.197	801.029
SS	1929	1.460	254°22'25"	91°34'12"	85.408	WATEREDG	0.000	0.000	5489664.571	659942.274	800.884
SS	1930	1.460	252°01'48"	91°49'26"	71.971	WATEREDG	0.000	0.000	5489665.375	659956.969	800.932
SS	1931	1.460	252°54'18"	92°26'17"	59.457	WATEREDG	0.000	0.000	5489670.106	659967.716	800.695
SS	1932	1.460	257°18'12"	93°42'32"	42.529	WATEREDG	0.000	0.000	5489678.240	659983.093	800.473
SS	1933	1.460	264°49'59"	95°25'04"	31.939	WATEREDG	0.000	0.000	5489684.704	659992.828	800.208
SS	1934	1.460	276°23'23"	97°49'29"	22.929	WATEREDG	0.000	0.000	5489690.096	660001.921	800.102
SS	1935	1.460	298°58'18"	104°30'44"	15.075	WATEREDG	0.000	0.000	5489694.637	660011.727	799.445
SS	1936	1.460	356°54'20"	105°52'28"	13.692	WATEREDG	0.000	0.000	5489700.718	660023.784	799.479
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
1921	1859		66°07'44"	1.605							
Note	--Orientation Notes										
Note	-- Observed Values: HA 66°07'44" VA 89°42'17" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 803.238m										
Note	-- BS Elevation Error: -0.036m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1937	1.460	55°22'05"	90°27'48"	134.062	HUB	0.000	0.000	5489679.410	659944.210	801.079
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1937	1921		235°22'05"	1.565							
Note	--Orientation Notes										
Note	-- Observed Values: HA 235°22'05" VA 90°17'28" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 800.503m										
Note	-- BS Elevation Error: -1.515m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1938	1.460	122°47'50"	90°21'16"	42.440	CREEK	0.000	0.000	5489656.422	659979.884	800.922
SS	1939	1.460	123°37'29"	89°43'08"	44.681	CREEK	0.000	0.000	5489654.668	659981.414	801.404
SS	- 1940	1.460	153°55'44"	90°42'36"	17.116	WATEREDG	0.000	0.000	5489664.036	659951.731	800.972
SS	1941	1.460	102°08'10"	92°05'18"	8.463	WATEREDG	0.000	0.000	5489677.632	659952.478	800.876
SS	1942	1.460	75°18'20"	91°27'50"	19.594	WATEREDG	0.000	0.000	5489684.378	659963.157	800.684
SS	1943	1.460	57°09'43"	91°09'51"	31.443	WATEREDG	0.000	0.000	5489696.457	659970.623	800.545
SS	1944	1.460	53°43'11"	91°11'13"	44.316	WATEREDG	0.000	0.000	5489705.628	659979.927	800.266
SS	1945	1.460	47°49'35"	90°57'28"	57.815	WATEREDG	0.000	0.000	5489718.220	659987.051	800.218

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1946	1.460	43°18'28"	90°58'09"	70.590	WATEREDG	0.000	0.000	5489730.769	659992.622	799.990
SS	1947	1.460	41°35'30"	90°55'33"	84.369	WATEREDG	0.000	0.000	5489742.500	660000.208	799.821
SS	1948	1.460	40°32'26"	90°52'39"	98.821	WATEREDG	0.000	0.000	5489754.499	660008.434	799.671
SS	1949	1.460	40°07'02"	90°52'37"	113.230	WATEREDG	0.000	0.000	5489765.990	660017.161	799.451
SS	1950	1.460	39°39'36"	90°52'21"	126.431	WATEREDG	0.000	0.000	5489776.731	660024.892	799.258
SS	1951	1.460	39°52'57"	90°51'13"	141.609	WATEREDG	0.000	0.000	5489788.063	660035.001	799.075
SS	1952	1.460	40°27'18"	90°47'35"	156.641	WATEREDG	0.000	0.000	5489798.590	660045.835	799.016
SS	1953	1.460	41°35'28"	90°45'26"	170.996	WATEREDG	0.000	0.000	5489807.291	660057.703	798.924
SS	1954	1.460	44°15'34"	90°44'53"	184.328	WATEREDG	0.000	0.000	5489811.412	660072.843	798.778
SS	1955	1.460	43°35'29"	90°42'47"	195.586	WATEREDG	0.000	0.000	5489821.057	660079.057	798.750
SS	1956	1.460	41°11'48"	90°43'38"	185.163	WATEREDG	0.000	0.000	5489838.725	660086.157	798.848
SS	1957	1.460	39°29'37"	90°45'10"	172.973	WATEREDG	0.000	0.000	5489842.880	660054.209	798.912
SS	1958	1.460	37°41'04"	90°46'35"	160.636	WATEREDG	0.000	0.000	5489856.524	660042.399	799.008
SS	1959	1.460	37°21'45"	90°50'18"	147.930	WATEREDG	0.000	0.000	5489796.974	660033.972	799.020
SS	1960	1.460	36°18'58"	90°53'39"	196.101	WATEREDG	0.000	0.000	5489798.108	660024.741	799.086
SS	1961	1.460	34°26'22"	90°51'35"	122.691	WATEREDG	0.000	0.000	5489788.585	660013.588	799.343
SS	1962	1.460	32°20'08"	90°50'38"	109.768	WATEREDG	0.000	0.000	5489772.146	660002.915	799.567
SS	1963	1.460	32°45'07"	90°53'40"	96.238	WATEREDG	0.000	0.000	5489760.338	659996.268	799.682
SS	1964	1.460	31°39'07"	90°54'38"	83.491	WATEREDG	0.000	0.000	5489760.472	659988.816	799.857
SS	1965	1.460	32°15'41"	90°58'51"	69.630	WATEREDG	0.000	0.000	5489788.282	659981.371	799.992
SS	1966	1.460	31°01'21"	91°00'05"	56.769	WATEREDG	0.000	0.000	5489728.051	659973.663	800.192
SS	1967	1.460	31°14'28"	91°06'49"	43.736	WATEREDG	0.000	0.000	5489716.796	659966.888	800.334
SS	1968	1.460	28°18'08"	91°16'50"	31.059	WATEREDG	0.000	0.000	5489788.749	659958.831	800.489
SS	1969	1.460	28°16'58"	91°43'22"	17.982	WATEREDG	0.000	0.000	5489885.525	659952.158	800.644
SS	1970	1.460	310°09'02"	91°59'58"	7.593	WATEREDG	0.000	0.000	5489684.302	659938.410	800.919
SS	1971	1.460	219°41'51"	90°39'39"	14.812	WATEREDG	0.000	0.000	5489688.014	659934.749	801.013
SS	1972	1.460	217°29'58"	90°19'30"	30.032	WATEREDG	0.000	0.000	5489698.584	659926.828	801.014
SS	1973	1.460	76°22'00"	98°02'31"	28.691	HUS	0.000	0.000	5489888.168	659972.078	802.185
SS	1974	1.460	95°09'29"	87°56'43"	27.929	RIVERBANK	0.000	0.000	5489676.900	659972.007	802.186
SS	1975	1.460	74°25'36"	88°30'25"	33.220	RIVERBANK	0.000	0.000	5489686.325	659976.199	802.050
SS	1976	1.460	60°30'58"	99°01'50"	44.371	RIVERBANK	0.000	0.000	5489701.246	659982.828	801.936
SS	1977	1.460	53°27'08"	99°22'36"	87.075	RIVERBANK	0.000	0.000	5489713.396	659990.058	801.805
SS	1978	1.460	49°39'39"	89°37'36"	68.964	RIVERBANK	0.000	0.000	5489724.050	659996.775	801.634

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1979	1.460	48°01'13"	89°50'30"	84.783	RIVERBANK	0.000	0.000	5489736.118	660007.236	801.419
SS	1980	1.460	46°20'43"	89°58'13"	99.947	RIVERBANK	0.000	0.000	5489748.404	660016.522	801.236
SS	1981	1.460	46°01'03"	90°00'27"	127.848	RIVERBANK	0.000	0.000	5489768.193	660036.203	801.168
SS	1982	1.460	45°31'51"	90°09'11"	141.781	RIVERBANK	0.000	0.000	5489778.730	660045.388	800.806
SS	1983	1.460	45°20'42"	90°15'09"	147.674	RIVERBANK	0.000	0.000	5489783.199	660049.257	800.534
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1921	1972		60°21'39"	1.610							
Note	--Orientation Notes										
Note	- Observed Values: HA 60°21'39" VA 90°33'15" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 801.144m										
Note	-- BS Elevation Error: 0.130m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	1984	1.460	41°15'34"	90°34'58"	43.371	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1985	1.460	344°33'54"	90°40'52"	28.153	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1986	1.460	322°21'47"	90°17'30"	36.052	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1987	1.460	309°16'50"	90°03'21"	48.777	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1988	1.460	304°10'48"	89°55'11"	62.115	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1989	1.460	301°12'19"	89°48'46"	75.924	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1990	1.460	300°07'11"	89°48'30"	90.085	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1991	1.460	297°45'26"	89°50'48"	104.956	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1992	1.460	296°57'44"	89°51'59"	118.773	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1993	1.460	296°47'27"	89°51'04"	132.506	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1994	1.460	297°14'57"	89°51'49"	147.189	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1995	1.460	293°47'13"	89°50'57"	160.780	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1996	1.460	293°43'45"	89°51'37"	174.653	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1997	1.460	294°33'40"	89°49'42"	188.459	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	1998	1.460	295°55'01"	89°45'14"	201.278	WATEREDG	0.000	0.000	0.000	0.000	0.000

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	1999	1.460	297°50'38"	89°43'06"	213.551	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2000	1.460	297°54'35"	89°46'21"	234.355	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2001	1.460	297°46'45"	89°43'58"	267.959	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2002	1.460	297°35'15"	89°40'01"	283.337	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2003	1.460	296°24'02"	89°39'52"	297.095	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2004	1.460	294°47'10"	89°38'26"	308.732	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2005	1.460	293°04'26"	89°39'07"	320.653	WATEREDG	0.000	0.000	0.000	0.000	0.000
SS	2006	1.460	290°48'47"	89°38'57"	329.528	WATEREDG	0.000	0.000	0.000	0.000	0.000
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1921	1973		59°01'25"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 59°01'25" VA 90°33'26" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 800.601m										
Note	-- BS Elevation Error: -1.564m										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1921	1973		59°01'25"	1.610							
Note	--Orientation Notes										
Note	-- Observed Values: HA 59°01'25" VA 90°35'52" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 800.487m										
Note	-- BS Elevation Error: -1.678m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2007	1.460	291°57'08"	89°23'33"	329.675	HUB	0.000	0.000	5489726.461	659528.150	805.664
Delete Pt Nu											
1984											
1985											

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
1986											
1987											
1988											
1989											
1990											
1991											
1992											
1993											
1994											
1995											
1996											
1997											
1998											
1999											
2000											
2001											
2002											
2003											
2004											
2005											
2006											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2008	1.460	289°37'09"	89°36'26"	331.007	WATEREDG	0.000	0.000	5489714.363	659522.122	804.438
SS	2009	1.460	291°40'00"	89°38'53"	320.851	WATEREDG	0.000	0.000	5489721.683	659535.728	804.139
SS	2010	1.460	293°15'07"	89°38'39"	309.832	WATEREDG	0.000	0.000	5489725.536	659549.243	804.093
SS	2011	1.460	294°47'36"	89°38'39"	298.789	WATEREDG	0.000	0.000	5489728.518	659562.661	804.024
SS	2012	1.460	296°04'40"	89°41'09"	286.233	WATEREDG	0.000	0.000	5489729.048	659576.814	803.738
SS	2013	1.460	296°20'19"	89°43'19"	273.564	WATEREDG	0.000	0.000	5489724.597	659588.743	803.496
SS	2014	1.460	296°32'46"	89°43'52"	267.049	WATEREDG	0.000	0.000	5489722.572	659595.012	803.422
SS	2015	1.460	296°34'43"	89°45'58"	234.288	WATEREDG	0.000	0.000	5489708.050	659624.378	803.125
SS	2016	1.460	296°15'51"	89°43'10"	212.729	WATEREDG	0.000	0.000	5489697.358	659643.139	803.210
SS	2017	1.460	294°33'42"	89°45'41"	200.993	WATEREDG	0.000	0.000	5489686.771	659651.100	803.005
SS	2018	1.460	293°26'13"	89°48'18"	189.403	WATEREDG	0.000	0.000	5489678.557	659660.129	802.813

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2019	1.460	292°16'50"	89°51'42"	172.713	WATEREDG	0.000	0.000	5489668.707	659674.087	802.585
SS	2020	1.460	292°26'53"	89°50'16"	159.453	WATEREDG	0.000	0.000	5489664.111	659686.534	802.620
SS	2021	1.460	295°28'26"	89°51'43"	149.014	WATEREDG	0.000	0.000	5489667.315	659699.378	802.527
SS	2022	1.460	295°39'15"	89°51'15"	136.630	WATEREDG	0.000	0.000	5489662.377	659710.744	802.516
SS	2023	1.460	295°23'16"	89°51'38"	123.871	WATEREDG	0.000	0.000	5489656.333	659721.997	802.470
SS	2024	1.460	296°00'26"	89°50'13"	110.458	WATEREDG	0.000	0.000	5489661.659	659734.632	802.483
SS	2025	1.460	297°48'48"	89°50'41"	96.789	WATEREDG	0.000	0.000	5489648.384	659748.297	802.431
SS	2026	1.460	298°56'27"	89°48'42"	84.052	WATEREDG	0.000	0.000	5489643.898	659760.850	802.445
SS	2027	1.460	300°23'19"	89°51'38"	70.081	WATEREDG	0.000	0.000	5489638.676	659773.452	802.339
SS	2028	1.460	303°55'49"	89°58'30"	56.967	WATEREDG	0.000	0.000	5489635.023	659786.638	802.193
SS	2029	1.460	310°14'04"	90°08'00"	44.502	WATEREDG	0.600	0.000	5489681.969	659799.931	802.065
SS	2030	1.460	324°26'07"	90°22'24"	84.840	WATEREDG	0.000	0.000	5489681.565	659813.841	801.941
SS	2031	1.460	350°34'53"	90°40'39"	27.449	WATEREDG	0.000	0.000	5489630.301	659829.413	801.844
SS	2032	1.460	19°53'26"	90°38'30"	33.152	WATEREDG	0.000	0.000	5489634.396	659845.183	801.797
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: tdpcon, Mpdel: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2007	1921		111°57'08"	1.480							
Note	--Orientation Notes										
Note	-- Observed Values: HA 111°57'08" VA 90°40'33" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 801.795m										
Note	-- BS Elevation Error: -0.223m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2033	1.460	112°41'20"	90°44'19"	319.676	WATEREDG	0.000	0.000	5489603.164	659823.062	801.563
SS	2034	1.460	113°26'42"	90°44'19"	306.002	WATEREDG	0.000	0.000	5489604.722	659808.866	801.739
SS	2035	1.460	114°50'10"	90°44'47"	298.090	WATEREDG	0.000	0.000	5489601.267	659798.647	801.801
SS	2036	1.460	115°49'40"	90°47'36"	289.045	WATEREDG	0.000	0.000	5489600.546	659788.296	801.682
SS	2037	1.460	116°10'01"	90°48'01"	276.850	WATEREDG	0.000	0.000	5489604.386	659776.602	801.817
SS	2038	1.460	117°37'35"	90°48'04"	270.905	WATEREDG	0.000	0.000	5489600.854	659768.145	801.896

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2039	1.460	117°52'01"	90°47'47"	260.147	WATEREDG	0.000	0.000	5489604.875	659758.107	802.068
SS	2040	1.460	118°11'58"	90°49'05"	249.206	WATEREDG	0.000	0.000	5489608.713	659747.755	802.126
SS	2041	1.460	118°31'39"	90°51'57"	237.543	WATEREDG	0.000	0.000	5489613.028	659736.828	802.094
SS	2042	1.460	118°53'41"	90°52'31"	226.418	WATEREDG	0.000	0.000	5489617.068	659726.357	802.225
SS	2043	1.460	119°01'09"	90°53'24"	215.550	WATEREDG	0.000	0.000	5489621.910	659716.616	802.336
SS	2044	1.460	119°31'21"	90°55'07"	204.888	WATEREDG	0.000	0.000	5489625.512	659706.413	802.399
SS	2045	1.460	120°20'21"	90°57'28"	194.598	WATEREDG	0.600	0.000	5489628.180	659696.074	802.431
SS	2046	1.460	119°32'34"	91°03'27"	174.655	WATEREDG	0.000	0.000	5489630.358	659630.572	802.469
SS	2047	1.460	118°10'03"	91°05'27"	162.622	WATEREDG	0.000	0.000	5489639.709	659671.686	802.588
SS	2048	1.460	117°56'26"	91°10'02"	150.422	WATEREDG	0.000	0.000	5489653.994	659661.069	802.620
SS	2049	1.460	117°39'42"	91°12'10"	137.818	WATEREDG	0.000	0.000	5489682.493	659650.198	802.791
SS	2050	1.460	117°12'08"	91°15'15"	124.217	WATEREDG	0.000	0.000	5489680.693	659638.502	802.965
SS	2051	1.460	116°13'00"	91°18'44"	109.705	WATEREDG	0.000	0.000	5489678.010	659626.544	803.172
SS	2052	1.460	111°34'18"	91°27'31"	95.431	WATEREDG	0.000	0.000	5489691.387	659616.869	803.255
SS	2053	1.460	108°16'59"	91°39'34"	61.679	WATEREDG	0.000	0.000	5489708.848	659605.073	803.319
SS	2054	1.460	103°32'00"	91°59'52"	68.327	WATEREDG	0.000	0.000	5489710.482	659594.538	803.302
SS	2055	1.460	102°00'23"	92°09'46"	54.834	WATEREDG	0.000	0.000	5489715.063	659581.746	803.614
SS	2056	1.460	108°29'34"	92°19'31"	43.260	WATEREDG	0.600	0.000	5489712.751	659569.142	803.929
SS	2057	1.460	123°01'35"	92°36'37"	33.984	WATEREDG	0.600	0.000	5489707.958	659586.613	804.136
SS	2058	1.460	149°01'08"	93°05'37"	27.740	WATEREDG	0.000	0.000	5489702.713	659542.408	804.187
SS	2059	1.460	175°03'29"	93°05'22"	28.049	WATEREDG	0.000	0.000	5489698.557	659530.563	804.172
SS	2060	1.460	192°30'28"	92°26'02"	34.244	WATEREDG	0.000	0.000	5489693.060	659520.740	804.230
SS	2061	1.460	205°09'16"	91°50'08"	43.250	WATEREDG	0.000	0.000	5489687.333	659509.778	804.290
SS	2062	1.460	215°54'23"	91°22'11"	52.724	WATEREDG	0.000	0.000	5489683.768	659497.238	804.424
SS	2063	1.460	223°17'07"	90°57'41"	63.232	WATEREDG	0.000	0.000	5489680.438	659484.802	804.623
SS	2064	1.460	228°20'46"	90°41'08"	73.704	WATEREDG	0.000	0.000	5489677.479	659473.084	804.802
SS	2065	1.460	230°38'15"	90°22'16"	66.862	WATEREDG	0.000	0.000	5489682.006	659461.767	805.130
SS	2066	1.460	235°31'47"	90°12'25"	96.536	WATEREDG	0.000	0.000	5489671.824	659448.564	805.335
SS	2067	1.460	233°47'20"	90°12'29"	107.015	WATEREDG	0.000	0.000	5489663.241	659441.806	805.295
SS	2068	1.460	210°08'24"	89°13'49"	83.224	OWP	0.000	0.000	5489654.495	659466.368	806.802
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2007	1921		111°57'08"	1.490							
Note	--Orientation Notes										
Note	-- Observed Values: HA 111°57'08" VA 90°53'36" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 800.554m										
Note	-- BS Elevation Error: -1.465m										
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2007	1921		111°57'08"	1.490							
Note	--Orientation Notes										
Note	-- Observed Values: HA 111°57'08" VA 90°53'41" HR 1.460m										
Note	-- Observed Reference: Point										
Note	- BS Elevation: 800.546m										
Note	-- BS Elevation Error: -1.473m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2069	1.460	89°34'09"	91°49'20"	73.103	WATEREDG	0.000	0.000	5489727.011	659601.214	803.369
SS	2070	1.460	82°25'30"	91°53'56"	63.775	WATEREDG	0.000	0.000	5489734.864	659591.333	803.581
SS	2071	1.460	72°39'27"	91°57'19"	54.690	WATEREDG	0.000	0.000	5489742.754	659580.323	803.828
SS	2072	1.460	66°06'29"	92°26'11"	41.694	WATEREDG	0.000	0.000	5489743.343	659566.231	803.921
SS	2073	1.460	50°52'00"	92°53'04"	33.266	WATEREDG	0.000	0.000	5489747.430	659553.921	804.020
SS	2074	1.460	27°33'23"	93°05'18"	29.579	WATEREDG	0.000	0.000	5489752.647	659541.814	804.100
SS	2075	1.460	358°30'41"	93°11'24"	26.822	WATEREDG	0.000	0.000	5489753.233	659527.454	804.201
SS	2076	1.460	331°17'58"	92°35'42"	32.268	WATEREDG	0.000	0.000	5489754.735	659512.670	804.233
SS	2077	1.460	314°21'56"	92°04'13"	37.106	WATEREDG	0.000	0.000	5489752.390	659501.640	804.353
SS	2078	1.460	302°36'18"	91°39'47"	46.430	WATEREDG	0.000	0.000	5489751.469	659489.053	804.346
SS	2079	1.460	289°66'07"	91°05'17"	52.583	WATEREDG	0.000	0.000	5489743.666	659478.471	804.695
SS	2080	1.460	277°12'47"	90°44'13"	59.986	WATEREDG	0.000	0.000	5489733.992	659468.643	804.922
SS	2081	1.460	268°01'45"	90°36'19"	68.124	WATEREDG	0.000	0.000	5489724.118	659460.070	804.974

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2082	1.460	261°04'36"	90°31'50"	77.278	WATEREDG	0.000	0.000	5489714.475	659451.811	804.978
SS	2083	1.460	258°36'01"	90°19'26"	91.356	WATEREDG	0.000	0.000	5489708.405	659438.597	805.177
SS	2084	1.460	252°23'31"	90°09'25"	101.090	WATEREDG	0.000	0.000	5489695.881	659431.796	805.417
SS	2085	1.460	251°14'54"	90°17'36"	74.963	WATEREDG	0.000	0.000	5489702.363	659457.167	805.310
SS	2086	1.460	257°41'15"	90°34'45"	64.784	WATEREDG	0.000	0.000	5489712.647	659464.859	805.039
SS	2087	1.460	267°00'42"	90°46'05"	55.725	WATEREDG	0.000	0.000	5489723.556	659472.505	804.947
SS	2088	1.460	278°34'05"	91°04'07"	47.590	WATEREDG	0.000	0.000	5489732.550	659481.999	804.806
SS	2089	1.460	296°13'43"	91°44'59"	43.204	WATEREDG	0.000	0.000	5489745.546	659489.412	804.375
SS	2090	1.460	309°15'09"	92°20'50"	31.846	WATEREDG	0.000	0.000	5489746.594	659503.510	804.390
SS	2091	1.460	332°01'12"	93°32'57"	24.241	WATEREDG	0.000	0.000	5489747.827	659516.799	804.193
SS	2092	1.460	4°08'59"	94°45'12"	17.928	WATEREDG	0.000	0.000	5489744.281	659529.443	804.208
SS	2093	1.460	41°42'02"	93°58'33"	23.736	WATEREDG	0.000	0.000	5489744.141	659543.902	804.048
SS	2094	1.460	68°20'04"	93°11'01"	31.618	WATEREDG	0.000	0.000	5489738.116	659557.489	803.938
SS	2095	1.460	81°41'32"	92°20'59"	43.742	WATEREDG	0.000	0.000	5489732.776	659571.396	803.900
SS	2096	1.460	83°33'04"	91°59'09"	58.217	WATEREDG	0.000	0.000	5489732.996	659585.983	803.676
SS	2097	1.460	91°18'35"	91°55'24"	66.082	WATEREDG	0.000	0.000	5489744.906	659596.175	803.409
SS	2098	1.460	238°30'06"	89°44'41"	177.022	HUB	0.000	0.000	5489633.973	659377.213	806.483
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2096	2007		58°30'06"	1.500							
Note	--Orientation Notes										
Note	- Observed Values: HA 58°30'06" VA 90°15'53" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 805.705m										
Note	- BS Elevation Error: 0.041m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2099	1.460	63°05'15"	90°53'02"	150.396	WATEREDG	0.000	0.000	5489702.038	659511.305	804.203
SS	2100	1.460	62°57'40"	90°54'53"	135.956	WATEREDG	0.000	0.000	5489695.770	659498.293	804.352
SS	2101	1.460	60°35'31"	90°56'19"	124.183	WATEREDG	0.000	0.000	5489694.942	659485.380	804.488

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2102	1.460	56°55'20"	90°52'36"	117.439	WATEREDG	0.000	0.000	5489698.061	659475.607	804.726
SS	2103	1.460	52°42'25"	90°42'00"	104.286	WATEREDG	0.000	0.000	5489697.154	659460.171	805.248
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2098	2007		58°30'06"	1.500							
Note	--Orientation Notes										
Note	-- Observed Values: HA 58°30'06" VA 90°17'19" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 805.631m										
Note	-- BS Elevation Error: -0.033m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2104	1.460	45°18'04"	90°42'00"	97.978	WATEREDG	0.000	0.000	5489702.884	659446.852	805.326
SS	2105	1.460	44°27'28"	90°50'10"	80.838	WATEREDG	0.000	0.000	5489691.666	659433.824	805.343
SS	2106	1.460	44°49'41"	91°02'06"	66.494	WATEREDG	0.000	0.000	5489681.124	659424.082	805.321
SS	2107	1.460	47°19'16"	91°17'33"	52.578	WATEREDG	0.000	0.000	5489669.606	659415.856	805.337
SS	2108	1.460	55°50'57"	91°33'21"	43.219	WATEREDG	0.000	0.000	5489658.226	659412.966	805.349
SS	2109	1.460	73°26'46"	91°33'27"	44.388	WATEREDG	0.000	0.000	5489646.615	659419.745	805.316
SS	2110	1.460	78°53'43"	91°29'39"	45.673	WATEREDG	0.000	0.000	5489642.767	659422.015	805.332
SS	2111	1.460	88°51'08"	91°51'17"	36.023	WATEREDG	0.000	0.000	5489634.695	659413.209	805.357
SS	2112	1.460	100°37'45"	92°39'05"	25.567	WATEREDG	0.000	0.000	5489629.262	659402.314	805.340
SS	2113	1.460	122°06'36"	93°36'44"	14.224	WATEREDG	0.000	0.000	5489626.427	659389.237	805.626
SS	2114	1.460	168°33'36"	95°57'09"	4.153	WATEREDG	0.000	0.000	5489629.924	659378.032	806.092
SS	2115	1.460	295°13'52"	90°15'07"	10.729	WATEREDG	0.000	0.000	5489638.546	659367.507	806.475
SS	2116	1.460	304°19'47"	89°41'17"	25.791	WATEREDG	0.000	0.000	5489648.517	659355.915	806.663
SS	2117	1.460	307°12'07"	89°35'41"	40.086	WATEREDG	0.000	0.000	5489658.209	659345.285	806.806
SS	2118	1.460	309°50'49"	89°35'42"	52.666	WATEREDG	0.000	0.000	5489667.717	659336.779	806.895
SS	2119	1.460	308°06'44"	89°35'37"	64.383	WATEREDG	0.000	0.000	5489673.709	659326.557	806.979
SS	2120	1.460	306°47'39"	89°42'00"	73.960	WATEREDG	0.000	0.000	5489678.270	659317.987	806.910
SS	2121	1.460	306°02'12"	89°47'39"	94.672	WATEREDG	0.000	0.000	5489689.669	659300.657	806.863

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2122	1.460	305°35'55"	89°53'44"	139.120	WATEREDG	0.000	0.000	5489714.955	659264.092	806.776
SS	2123	1.460	304°41'05"	89°51'32"	149.770	WATEREDG	0.000	0.000	5489719.200	659254.058	806.891
SS	2124	1.460	294°53'43"	88°43'08"	156.762	HUB	0.000	0.000	5489699.947	659235.053	810.027
SS	2125	1.460	297°31'08"	89°15'00"	265.190	HUB	0.000	0.000	5489756.491	659142.047	809.994
SS	2126	1.460	299°52'57"	89°53'50"	191.850	WATEREDG	0.000	0.000	5489729.557	659210.869	806.867
SS	2127	1.460	298°15'42"	89°52'29"	178.928	WATEREDG	0.600	0.000	5489718.695	659219.614	806.914
SS	2128	1.460	296°17'01"	99°52'02"	158.970	WATEREDG	0.000	0.000	5489704.367	659234.679	806.891
SS	2129	1.460	295°11'24"	99°51'10"	147.414	WATEREDG	0.000	0.000	5489696.715	659243.819	806.901
SS	2130	1.460	294°02'06"	89°51'09"	134.886	WATEREDG	0.000	0.000	5489688.911	659254.032	806.870
SS	2131	1.460	292°34'46"	89°49'52"	123.599	WATEREDG	0.000	0.000	5489681.430	659263.088	806.867
SS	2132	1.460	288°21'32"	99°50'07"	106.407	WATEREDG	0.000	0.000	5489637.488	659276.222	806.828
SS	2133	1.460	282°45'39"	99°49'34"	94.901	WATEREDG	0.000	0.000	5489614.935	659284.808	806.811
SS	2134	1.460	276°51'20"	89°53'45"	91.455	WATEREDG	0.000	0.000	5489644.890	659286.412	806.689
SS	2135	1.460	269°35'27"	90°02'49"	91.495	WATEREDG	0.000	0.000	5489633.319	659285.720	806.448
SS	2136	1.460	266°47'20"	90°04'45"	102.940	WATEREDG	0.000	0.000	5489638.211	659274.434	806.388
SS	2137	1.460	261°13'13"	90°05'05"	106.770	WATEREDG	8.600	0.000	5489617.676	659271.894	806.365
SS	2138	1.460	254°43'47"	90°05'07"	105.985	WATEREDG	0.000	0.000	5489606.059	659274.970	806.365
SS	2139	1.460	252°53'08"	90°04'24"	101.405	WATEREDG	0.600	0.000	5489604.131	659280.298	806.393
SS	2140	1.460	250°48'50"	90°06'37"	92.853	WATEREDG	0.000	0.000	5489638.458	659289.618	806.344
SS	2141	1.460	249°34'38"	90°05'56"	83.526	WATEREDG	0.000	0.000	5489604.826	659298.837	806.378
SS	2142	1.460	249°32'08"	90°05'55"	65.043	WATEREDG	0.000	0.000	5489611.232	659316.275	806.411
SS	2143	1.460	247°16'39"	90°14'12"	57.741	WATEREDG	0.000	0.000	5489611.669	659323.993	806.284
SS	2144	1.460	241°44'50"	90°17'32"	49.480	WATEREDG	0.000	0.000	5489610.551	659339.628	806.265
SS	2145	1.460	234°41'28"	90°26'28"	40.825	WATEREDG	0.000	0.000	5489610.377	659343.898	806.208
SS	2146	1.460	222°31'54"	90°27'15"	34.543	WATEREDG	0.000	0.000	5489608.519	659353.862	806.249
SS	2147	1.460	204°24'28"	90°43'09"	29.308	WATEREDG	0.000	0.000	5489607.286	659365.103	806.153
SS	2148	1.460	173°40'05"	91°47'38"	23.177	WATEREDG	0.000	0.000	5489610.949	659379.708	805.797
SS	2149	1.460	141°54'30"	91°39'35"	27.017	WATEREDG	0.000	0.000	5489612.718	659398.873	805.748
SS	2150	1.460	120°13'48"	91°57'02"	33.738	WATEREDG	0.000	0.000	5489616.996	659406.346	805.374
SS	2151	1.460	110°08'14"	91°26'33"	47.756	WATEREDG	0.000	0.000	5489617.537	659422.035	805.320
SS	2152	1.400	92°44'04"	91°08'42"	62.173	WATEREDG	0.000	0.000	5489631.007	659439.608	805.316
SS	2153	1.460	84°37'43"	91°02'10"	67.931	WATEREDG	0.000	0.000	5489610.331	659444.884	805.294
SS	2154	1.460	74°45'59"	91°07'04"	59.444	WATEREDG	0.000	0.000	5489649.589	659434.557	805.363

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2155	1.460	65°49'37"	91°14'45"	59.715	WATEREDG	0.000	0.000	5489658.420	659431.679	805.224
SS	2156	1.460	254°19'37"	89°44'35"	45.036	WATEREDG	0.000	0.000	5489621.807	659333.852	806.725
SS	2157	1.460	266°28'14"	89°40'56"	55.387	WATEREDG	0.000	0.000	5489630.563	659321.932	806.830
SS	2158	1.460	274°35'45"	89°41'58"	67.323	WATEREDG	0.000	0.000	5489639.367	659310.107	806.876
SS	2159	1.460	279°47'00"	89°44'51"	81.005	WATEREDG	0.000	0.000	5489647.737	659297.386	806.880
SS	2160	1.460	281°00'03"	89°47'15"	87.548	WATEREDG	0.000	0.000	5489650.679	659291.274	806.847
SS	2161	1.460	271°57'24"	90°01'23"	84.289	WATEREDG	0.000	0.000	5489636.851	659292.972	806.489
SS	2162	1.460	263°06'58"	80°06'39"	79.862	WATEREDG	0.000	0.000	5489624.401	659297.926	806.368
SS	2163	1.460	256°29'56"	90°11'04"	72.992	WATEREDG	0.000	0.000	5489616.932	659306.238	806.288
SS	2164	1.460	251°30'25"	90°10'59"	61.788	WATEREDG	0.000	0.000	5489614.375	659318.616	806.325
SS	2165	1.460	248°11'37"	90°16'16"	48.710	WATEREDG	0.000	0.000	5489618.879	659331.989	806.292
SS	2166	1.460	258°58'58"	89°25'31"	58.749	SS	0.000	0.000	5489622.746	659319.550	807.112
SS	2167	1.460	271°00'17"	89°34'45"	69.023	SS	0.000	0.000	5489635.183	659308.202	807.030
SS	2168	1.460	262°20'07"	89°36'05"	76.128	SS	0.000	0.000	5489623.819	659301.766	807.052
SS	2169	1.460	256°19'59"	99°17'54"	67.382	SS	0.000	0.000	5489618.053	659311.743	807.349
SS	2170	1.460	252°40'17"	89°49'53"	126.428	HUB	0.000	0.000	5489626.316	659256.524	806.896
SS	2171	1.460	262°21'53"	89°33'54"	159.145	HUB	0.000	0.000	5489612.828	659219.483	807.731
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2125	2124		121°17'53"	1.460							
Note	--Orientation Notes										
Note	-- Observed Values: HA 121°17'53" VA 90°45'54" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 808.540m										
Note	-- BS Elevation Error: -1.487m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2172	1.460	269°04'29"	89°17'27"	316.678	HUB	0.000	0.000	5489751.377	658825.435	813.913
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2172	2125		89°04'29"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 89°04'29" VA 90°45'31" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 809.900m										
Note	-- BS Elevation Error: -0.093m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2173	1.460	233°33'42"	90°22'38"	90.036	HUB	0.000	0.000	5489697.901	658753.002	813.501
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2173	2172		53°33'42"	1.665							
Note	--Orientation Notes										
Note	-- Observed Values: HA 53°33'42" VA 89°51'45" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 813.922m										
Note	-- BS Elevation Error: 0.008m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2174	1.460	273°39'16"	89°11'19"	71.456	HUB	0.000	0.000	5489702.455	658681.699	814.717
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2172	2173		233°33'42"	1.575							
Note	--Orientation Notes										
Note	-- Observed Values: HA 233°33'42" VA 90°17'18" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 813.575m										
Note	-- BS Elevation Error: 0.075m										
Note	--EDM Mode: IR Fine										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2175	1.460	244°40'08"	93°38'04"	58.901	POND	0.000	0.000	5489726.227	658772.304	810.295
SS	2176	1.460	132°21'41"	94°43'31"	52.284	POND	0.000	0.000	5489716.268	658863.936	809.721
SS	2177	1.460	131°47'06"	91°12'06"	245.192	POND	0.000	0.000	5489588.033	659008.222	808.886
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1018	1549		263°46'38"	1.645							
Note	--Orientation Notes										
Note	- Observed Values: HA 263°46'38" VA 89°34'15" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 792.372m										
Note	-- BS Elevation Error: -0.003m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2178	1.460	262°50'29"	89°55'39"	109.146	ROADG	0.000	0.000	5489592.607	661184.116	791.322
SS	2179	1.460	263°06'54"	90°11'37"	91.783	ROADG	0.000	0.000	5489595.206	661201.290	790.874
SS	2180	1.460	263°07'35"	90°31'24"	75.397	ROADG	0.000	0.000	5489597.185	661217.559	790.495
SS	2181	1.460	262°47'34"	90°14'59"	55.884	ROADG	0.000	0.000	5489599.197	661236.969	790.940
SS	2182	1.460	262°20'57"	90°17'14"	38.450	ROADG	0.000	0.000	5489601.089	661254.303	790.991
SS	2183	1.460	262°07'54"	90°23'09"	21.208	ROADG	0.000	0.000	5489603.305	661271.403	791.041
SS	2184	1.460	276°06'05"	92°38'31"	3.391	ROADG	0.000	0.000	5489606.568	661289.042	791.028
SS	2185	1.460	79°28'43"	91°54'50"	15.004	ROADG	0.000	0.000	5489608.955	661307.152	790.683
SS	2186	1.460	83°28'17"	91°20'32"	32.734	ROADG	0.000	0.000	5489609.929	661324.923	790.417
SS	2187	1.460	85°26'09"	91°32'29"	49.820	ROADG	0.000	0.000	5489610.171	661342.054	789.844
SS	2188	1.460	85°12'28"	91°19'48"	67.429	ROADG	0.000	0.000	5489611.840	661359.586	789.619
SS	2189	1.460	84°58'00"	90°59'47"	84.289	ROADG	0.000	0.000	5489613.602	661376.362	789.718
SS	2190	1.460	84°15'24"	90°51'34"	102.282	ROADG	0.000	0.000	5489616.443	661394.167	789.650
SS	2191	1.460	83°33'35"	90°49'55"	120.727	ROADG	0.000	0.000	5489019.748	661412.368	789.431
SS	2192	1.460	82°52'35"	90°51'00"	140.415	ROADG	0.000	0.000	5489623.619	661431.727	789.101

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2193	1.460	82°08'38"	90°47'52"	158.371	ROADG	0.000	0.000	5489627.853	661449.280	788.979
SS	2194	1.460	81°45'18"	90°39'17"	175.728	ROADG	0.000	0.000	5489631.407	661466.311	789.176
SS	2195	1.460	81°47'46"	90°40'22"	193.588	ROADG	0.000	0.000	5489633.830	661484.004	788.911
SS	2196	1.460	81°25'23"	90°36'21"	211.115	ROADG	0.000	0.000	5489637.692	661501.153	788.952
SS	2197	1.460	81°25'21"	90°38'13"	228.595	ROADG	0.000	0.000	5489640.300	661518.435	788.643
SS	2198	1.460	81°36'38"	90°42'52"	246.274	ROADG	0.000	0.000	5489642.137	661536.030	788.113
SS	2199	1.460	81°48'58"	90°40'39"	263.498	ROADG	0.000	0.000	5489649.866	661583.185	788.088
SS	2200	1.460	81°44'41"	90°34'51"	281.428	ROADG	0.000	0.000	5489646.615	661570.808	788.331
SS	2201	1.460	81°50'52"	90°35'05"	298.681	ROADG	0.000	0.000	5489648.560	661588.068	788.136
SS	2202	1.460	81°14'23"	90°34'24"	298.826	ROADG	0.000	0.000	5489651.717	661587.736	788.194
SS	2203	1.460	81°09'08"	90°35'49"	281.786	ROADG	0.000	0.000	5489649.547	661570.828	788.248
SS	2204	1.460	81°09'53"	90°42'04"	264.347	ROADG	0.000	0.000	5489646.807	661553.801	787.949
SS	2205	1.460	81°00'47"	90°42'24"	247.673	ROADG	0.000	0.000	5489644.894	661537.024	788.129
SS	2206	1.460	80°33'11"	90°38'18"	229.908	ROADG	0.000	0.000	5489643.941	661519.786	788.623
SS	2207	1.460	80°30'41"	90°37'39"	211.530	ROADG	0.000	0.000	5489641.077	661501.934	788.867
SS	2208	1.460	80°32'50"	90°42'28"	194.263	ROADG	0.000	0.000	5489638.103	661484.822	788.784
SS	2209	1.460	80°37'15"	90°39'23"	176.121	ROADG	0.000	0.000	5489634.908	661466.166	789.166
SS	2210	1.460	81°02'11"	90°47'07"	157.784	ROADG	0.000	0.000	5489630.790	661448.253	789.021
SS	2211	1.460	81°28'48"	90°51'31"	139.527	ROADG	0.000	0.000	5489626.877	661430.382	789.093
SS	2212	1.460	81°55'38"	90°51'13"	120.733	ROADG	0.000	0.000	5489623.163	661411.833	789.385
SS	2213	1.460	82°12'42"	90°47'31"	102.699	ROADG	0.000	0.000	5489620.124	661384.163	789.764
SS	2214	1.460	82°34'41"	90°58'59"	84.740	ROADG	0.000	0.000	5489617.153	661376.429	789.730
SS	2215	1.460	82°44'18"	91°18'57"	67.121	ROADG	0.000	0.000	5489614.691	661358.976	789.648
SS	2216	1.460	82°05'08"	91°35'05"	49.711	ROADG	0.000	0.000	5489613.050	661341.622	789.809
SS	2217	1.460	77°20'28"	91°25'06"	32.449	ROADG	0.000	0.000	5489613.317	661324.061	790.384
SS	2218	1.460	66°32'38"	91°44'02"	15.173	ROADG	0.000	0.000	5489612.245	661306.323	790.725
SS	2219	1.460	330°21'52"	91°42'09"	4.881	ROADG	0.000	0.000	5489610.449	661289.988	791.039
SS	2220	1.460	272°49'58"	99°46'47"	20.120	ROADG	0.000	0.000	5489607.202	661272.315	791.281
SS	2221	1.460	267°18'05"	90°14'43"	37.955	ROADG	0.000	0.000	5489604.421	661254.488	791.021
SS	2222	1.460	265°58'43"	90°09'46"	55.684	ROADG	0.000	0.000	5489602.304	661236.884	791.026
SS	2223	1.460	265°46'48"	90°29'50"	72.990	ROADG	0.000	0.000	5489600.837	661219.621	790.551
SS	2224	1.460	265°10'50"	90°11'04"	89.997	ROADG	0.000	0.000	5489598.647	661202.732	790.894
SS	2225	1.460	264°34'37"	89°49'30"	108.408	ROADG	0.000	0.000	5489595.963	661184.488	791.515

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	2226	1.460	263°44'55"	89°52'15"	125.951	ROADG	0.000	0.000	5489592.493	661167.209	791.468	
SS	2227	1.460	263°17'05"	89°41'36"	142.432	ROADG	0.000	0.000	5489589.553	661150.958	791.946	
SS	2228	1.460	263°15'44"	89°35'34"	159.694	ROADG	0.000	0.000	5489587.472	661133.824	792.319	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
1019	1018		261°25'58"	1.635								
Note	--Orientation Notes											
Note	-- Observed Values: HA 261°25'58" VA 89°28'52" HR 1.460m											
Note	-- Observed Reference: Point											
Note	- BS Elevation: 790.934m											
Note	-- BS Elevation Error: -0.065m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	2229	1.460	83°04'16"	90°03'06"	87.110	ROADG	0.000	0.000	5489650.986	661606.361	788.772	
SS	2230	1.460	82°59'19"	89°46'56"	105.720	ROADG	0.000	0.000	5489653.382	661624.816	789.252	
SS	2231	1.460	83°02'56"	89°49'11"	123.581	ROADG	0.000	0.000	5489655.434	661642.559	789.239	
SS	2232	1.460	82°44'17"	89°43'30"	192.586	ROADG	0.000	0.000	5489664.821	661710.926	789.775	
SS	2233	1.460	82°42'54"	89°39'11"	175.158	ROADG	0.000	0.000	5489662.688	661693.628	789.911	
SS	2234	1.460	82°35'29"	89°37'39"	158.113	ROADG	0.000	0.000	5489660.865	661676.677	789.879	
SS	2235	1.460	82°12'44"	89°46'08"	140.455	ROADG	0.000	0.000	5489659.510	661659.045	789.417	
SS	2236	1.460	81°44'31"	89°47'20"	122.658	ROADG	0.000	0.000	5489658.095	661641.272	789.303	
SS	2237	1.460	81°22'28"	89°45'59"	105.331	ROADG	0.000	0.000	5489656.275	661624.026	789.280	
SS	2238	1.460	81°13'09"	90°05'58"	87.897	ROADG	0.000	0.000	5489653.896	661606.753	788.698	
SS	2239	1.460	80°37'27"	90°31'54"	70.422	ROADG	0.000	0.000	5489651.950	661589.386	788.197	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
1020	1019		262°32'55"	1.610								
Note	--Orientation Notes											
Note	-- Observed Values: HA 262°32'55" VA 90°13'34" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 788.672m											
Note	-- BS Elevation Error: -0.004m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	2240	1.460	272°44'59"	91°28'05"	2.955	ROADG	0.000	0.000	5489667.216	661720.290	789.406	
SS	2241	1.460	80°02'12"	90°33'09"	14.179	ROADG	0.000	0.000	5489669.527	661737.205	789.345	
SS	2242	1.460	79°38'53"	90°08'42"	31.631	ROADG	0.000	0.000	5489672.758	661754.356	789.401	
SS	2243	1.460	80°09'36"	90°27'07"	48.666	ROADG	0.000	0.000	5489675.391	661771.189	789.097	
SS	2244	1.460	80°20'15"	90°30'42"	65.172	ROADG	0.000	0.000	5489678.012	661787.486	788.899	
SS	2245	1.460	80°12'35"	90°33'21"	82.535	ROADG	0.000	0.000	5489681.108	661804.570	788.681	
SS	2246	1.460	79°53'52"	90°37'21"	99.150	ROADG	0.000	0.000	5489684.464	661820.848	788.404	
SS	2247	1.460	79°43'58"	90°36'12"	115.708	ROADG	0.000	0.000	5489687.697	661837.090	788.263	
SS	2248	1.460	79°50'45"	90°30'02"	132.535	ROADG	0.000	0.000	5489690.439	661853.694	788.323	
SS	2249	1.460	79°55'48"	90°23'59"	149.290	ROADG	0.000	0.000	5489693.181	661870.226	788.440	
SS	2250	1.460	80°08'23"	90°17'57"	106.233	ROADG	0.000	0.000	5489695.541	661887.816	788.613	
SS	2251	1.460	80°16'10"	90°21'19"	183.532	ROADG	0.000	0.000	5489698.093	661904.129	788.343	
SS	2252	1.460	80°18'35"	90°26'13"	201.162	ROADG	0.000	0.000	5489700.933	661921.527	787.947	
SS	2253	1.460	80°27'54"	90°29'59"	218.875	ROADG	0.000	0.000	5489703.329	661939.084	787.582	
SS	2254	1.460	80°35'42"	90°32'55"	235.778	ROADG	0.000	0.000	5489705.601	661955.839	787.224	
SS	2255	1.460	80°39'57"	90°33'21"	253.754	ROADG	0.000	0.000	5489708.229	661973.623	787.020	
SS	2256	1.460	80°42'17"	90°33'55"	272.119	ROADG	0.000	0.000	5489711.025	661991.774	786.797	
SS	2257	1.460	80°47'12"	90°31'36"	290.522	ROADG	0.000	0.000	5489713.588	662010.002	786.811	
SS	2258	1.460	80°40'37"	90°31'21"	305.707	ROADG	0.000	0.000	5489716.597	662024.897	786.694	
SS	2259	1.460	80°16'27"	90°32'09"	285.564	HUB	0.000	0.000	5489715.313	662004.688	786.811	
SS	2260	1.460	81°11'08"	90°27'45"	203.978	ROADG	0.000	0.000	5489698.330	661924.603	787.835	
SS	2261	1.460	81°21'48"	90°22'46"	186.393	ROADG	0.000	0.000	5489693.066	661907.015	788.247	
SS	2262	1.460	81°19'57"	90°18'35"	159.961	ROADG	0.000	0.000	5489692.687	661891.258	788.563	
SS	2263	1.460	81°23'24"	90°22'04"	153.897	ROADG	0.000	0.000	5489690.113	661875.400	788.493	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2264	1.460	81°18'00"	90°26'59"	137.879	ROADG	0.000	0.000	5489687.929	661859.529	788.399
SS	2265	1.460	81°18'33"	90°36'53"	121.577	ROADG	0.000	0.000	5489685.444	661843.415	788.177
SS	2266	1.460	81°46'07"	90°39'47"	105.546	ROADG	0.000	0.000	5489682.184	661827.692	788.260
SS	2267	1.460	82°17'46"	90°33'32"	89.058	ROADG	0.000	0.000	5489679.012	661811.491	788.613
SS	2268	1.460	83°04'58"	90°33'04"	72.193	ROADG	0.000	0.000	5489675.768	661794.905	788.787
SS	2269	1.460	84°17'44"	90°25'04"	55.288	ROADG	0.000	0.000	5489672.569	661778.253	789.078
SS	2270	1.460	85°52'34"	90°26'01"	38.419	ROADG	0.000	0.000	5489669.837	661761.859	789.191
SS	2271	1.460	89°57'38"	90°32'15"	21.993	ROADG	0.000	0.000	5489667.089	661746.232	789.275
SS	2272	1.460	113°28'02"	91°09'59"	7.615	ROADG	0.000	0.000	5489664.042	661730.225	789.326
SS	2273	1.460	240°28'47"	89°25'08"	10.621	ROADG	0.000	0.000	5489661.841	661713.999	789.589
SS	2274	1.460	253°26'22"	88°54'43"	27.580	ROADG	0.000	0.000	5489669.215	661696.819	790.005
SS	2275	1.460	256°30'38"	89°26'35"	45.245	ROADG	0.000	0.000	5489656.521	661679.246	789.921
SS	2276	1.460	259°10'08"	89°57'33"	63.493	ROADG	0.000	0.000	5489655.143	661660.979	789.527
SS	2277	1.460	172°27'49"	87°38'13"	15.606	HUB	0.000	0.000	5489651.616	661725.286	790.125
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2259	1020		260°16'27"	1.635							
Note	--Orientation Notes										
Note	-- Observed Values: HA 260°16'27" VA 89°33'33" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 789.183m										
Note	-- BS Elevation Error: -0.148m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2278	1.460	256°47'29"	89°30'08"	68.194	ROADG	0.000	0.000	5489699.732	661938.300	787.578
SS	2279	1.460	256°45'48"	89°30'06"	68.202	ROADG	0.000	0.000	5489699.698	661938.300	787.579
SS	2280	1.460	255°36'37"	89°40'06"	52.517	ROADG	0.000	0.000	5489702.262	661953.819	787.290
SS	2281	1.460	252°57'43"	89°55'53"	35.272	ROADG	0.000	0.000	5489704.979	661970.965	787.028
SS	2282	1.460	245°39'34"	90°19'35"	19.449	ROADG	0.000	0.000	5489707.297	661986.968	786.875
SS	2283	1.460	192°41'05"	92°26'53"	5.873	ROADG	0.000	0.000	5489709.589	662003.399	786.735

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2284	1.460	101°16'18"	90°47'49"	17.457	ROADG	0.000	0.000	5489711.902	662021.807	786.743
SS	2285	1.460	34°22'27"	90°17'47"	34.740	CLAIMPOST	0.000	0.000	5489743.986	662024.302	786.806
SS	2286	1.460	63°05'45"	92°05'49"	15.502	SS	0.000	0.000	5489722.323	662018.503	786.419
SS	2287	1.460	27°52'30"	91°07'33"	25.590	SS	0.000	0.000	5489737.929	662016.650	786.483
SS	2288	1.460	15°25'42"	90°09'09"	39.065	SS	0.000	0.000	5489752.970	662015.081	786.882
SS	2289	1.460	8°21'14"	90°15'42"	53.026	SS	0.000	0.000	5489767.776	662012.392	786.744
SS	2290	1.460	3°18'11"	90°17'52"	66.181	SS	0.000	0.000	5489731.384	662088.501	786.642
SS	2291	1.460	0°21'45"	90°07'10"	80.138	SS	0.600	0.000	5489795.450	662005.195	786.819
SS	2292	1.460	0°40'31"	90°08'55"	94.796	SS	0.000	0.000	5489810.102	662005.805	786.740
SS	2293	1.460	351°42'45"	90°25'03"	96.837	SS	0.000	0.000	5489811.136	661990.730	786.280
SS	2294	1.460	350°45'49"	90°14'16"	81.597	SS	0.000	0.000	5489795.851	661991.591	786.647
SS	2295	1.460	349°44'42"	90°12'43"	66.134	SS	0.000	0.000	5489780.390	661902.814	786.741
SS	2296	1.460	349°03'55"	90°23'38"	50.947	SS	0.000	0.000	5489765.335	661995.024	786.636
SS	2297	1.460	347°43'09"	89°46'12"	33.947	SS	0.000	0.000	5489748.483	661997.467	787.122
SS	2298	1.460	349°39'22"	90°55'10"	20.475	SS	0.000	0.000	5489795.453	662091.012	786.657
SS	2299	1.460	339°46'47"	93°53'40"	5.628	SS	0.000	0.000	5489720.583	662002.747	786.604
SS	2300	1.460	280°14'47"	90°05'04"	18.148	SS	0.000	0.000	5489718.542	661986.830	786.959
SS	2301	1.460	313°17'06"	90°40'04"	27.257	SS	0.000	0.000	5489734.000	661984.848	786.668
SS	2302	1.460	334°57'31"	89°35'57"	41.464	SS	0.000	0.000	5489732.879	661987.138	787.276
SS	2303	1.460	340°12'43"	90°07'35"	57.209	SS	0.000	0.000	5489780.145	661985.320	786.860
SS	2304	1.460	340°10'04"	89°59'31"	73.547	SS	0.000	0.000	5489784.498	661979.736	786.996
SS	2305	1.460	351°15'57"	89°55'13"	89.029	HUB	0.000	0.000	5489803.310	661991.169	787.110
SS	2306	1.460	322°17'21"	90°10'01"	72.265	HUB	0.000	0.000	5489732.483	661980.485	786.776
SS	2307	1.460	313°09'17"	89°40'59"	60.430	HUB	0.000	0.000	5489766.645	661960.805	787.320
SS	2308	1.460	303°22'48"	89°55'32"	48.238	HUB	0.000	0.000	5489741.853	661964.408	787.048
SS	2309	1.460	288°14'13"	90°02'00"	37.981	HUB	0.000	0.000	5489727.200	661968.615	786.964
SS	2310	1.480	268°04'24"	89°47'30"	33.280	HUB	0.000	0.000	5489714.195	661971.427	787.107
SS	2311	1.460	265°04'26"	89°44'49"	49.030	HUB	0.000	0.000	5489711.103	661965.840	787.202
SS	2312	1.460	285°18'14"	89°32'17"	54.779	SS	0.000	0.000	5489729.771	661951.854	787.427
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	2305	5489803.310	661991.169	787.110	SS						
SP	2305	5489803.310	661991.169	787.110	HUB						
SP	2306	5489772.483	661960.485	786.775	SS						

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SP	2307	5489756.645	661960.605	787.320	SS						
SP	2308	5489741.853	661964.408	787.048	SS						
SP	2309	5489727.200	661968.615	786.964	SS						
SP	2310	5489714.195	661971.427	787.107	SS						
SP	2311	5489711.103	661955.840	787.202	SS						
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2313	1.460	298°45'28"	89°52'35"	63.292	SS	0.000	0.000	5489745.764	661949.203	787.122
SS	2314	1.460	308°11'35"	89°51'15"	73.717	SS	0.000	0.000	5489760.894	661946.751	787.173
SS	2315	1.460	302°30'22"	89°57'13"	89.741	SS	0.000	0.000	5489763.539	661929.007	787.058
SS	2316	1.460	294°57'27"	89°28'46"	80.824	SS	0.000	0.000	5489749.415	661931.415	787.720
SS	2317	1.460	286°00'16"	89°26'38"	73.146	SS	0.000	0.000	5489734.249	661934.039	787.699
SS	2318	1.460	273°15'36"	89°28'04"	68.934	SS	0.000	0.000	5489719.233	661935.869	787.626
SS	2319	1.460	263°34'33"	89°31'56"	67.574	SS	0.000	0.000	5489707.753	661937.540	787.537
SS	2320	1.460	263°50'47"	89°15'31"	85.990	HUB	0.000	0.000	5489706.097	661919.201	788.098
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2305	2259		171°15'57"	1.260							
Note	--Orientation Notes										
Note	-- Observed Values: HA 171°15'57" VA 90°00'59" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 786.884m										
Note	-- BS Elevation Error: 0.073m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2321	1.460	8°47'22"	90°47'05"	96.303	HUB	0.000	0.000	5489898.473	662005.883	785.591
SS	2322	1.460	8°16'44"	90°38'39"	121.233	HUB	0.000	0.000	5489923.272	662008.624	785.547
SS	2323	1.460	280°36'36"	89°40'32"	41.797	HUB	0.000	0.000	5489811.006	661950.087	787.146
SS	2324	1.460	33°58'40"	90°46'49"	23.724	SS	0.000	0.000	5489822.981	662004.426	786.587

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2325	1.460	12°38'55"	92°43'31"	35.965	SS	0.000	0.000	5489838.362	661999.035	785.200
SS	2326	1.460	12°05'11"	91°49'35"	51.260	SS	0.000	0.000	5489853.408	662001.897	785.276
SS	2327	1.460	8°51'14"	91°32'56"	64.922	SS	0.000	0.000	5489867.435	662001.158	785.155
SS	2328	1.460	8°48'53"	91°14'02"	80.723	SS	0.000	0.000	5489883.061	662003.536	785.171
SS	2329	1.460	8°46'27"	90°41'39"	112.482	SS	0.000	0.000	5489914.467	662008.326	785.547
SS	2330	1.460	8°20'59"	90°35'25"	128.063	SS	0.000	0.000	5489930.009	662009.768	785.590
SS	2331	1.460	7°34'11"	90°50'21"	138.925	SS	0.000	0.000	5489841.009	662009.466	784.876
SS	2332	1.460	244°29'50"	91°59'17"	11.995	SS	0.000	0.000	5489798.148	661980.249	786.490
SS	2333	1.460	316°47'28"	91°22'38"	15.499	SS	0.000	0.000	5489814.603	661980.560	786.537
SS	2334	1.460	340°28'46"	91°30'04"	28.997	SS	0.000	0.000	5489830.631	661981.483	786.150
SS	2335	1.460	343°09'30"	91°48'26"	45.232	SS	0.000	0.000	5489846.581	661978.071	785.483
SS	2336	1.460	340°36'29"	91°28'26"	61.013	SS	0.000	0.000	5489868.843	661970.918	785.340
SS	2337	1.460	339°55'43"	90°50'50"	77.148	SS	0.000	0.000	5489875.764	661964.695	785.769
SS	2338	1.460	331°20'54"	91°05'48"	65.354	SS	0.000	0.000	5489860.651	661959.339	785.659
SS	2339	1.460	331°25'30"	91°31'44"	60.199	SS	0.000	0.000	5489847.380	661967.166	785.576
SS	2340	1.460	313°49'20"	89°46'35"	35.948	SS	0.000	0.000	5489868.201	661966.233	787.050
SS	2341	1.460	283°22'43"	90°46'59"	29.400	SS	0.000	0.000	5489810.112	661962.570	786.508
SS	2342	1.460	254°31'11"	90°18'20"	27.386	SS	0.000	0.000	5489796.000	661964.777	786.764
SS	2343	1.460	229°25'30"	89°38'25"	35.499	SS	0.000	0.000	5489786.221	661964.266	787.133
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2321	2305		188°47'22"	1.625							
Note	--Orientation Notes										
Note	-- Observed Values: HA 188°47'22" VA 89°25'21" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 786.726m										
Note	-- BS Elevation Error: -0.383m										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2321	2305		188°47'22"	1.625							
Note	--Orientation Notes										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
Note	-- Observed Values: HA 188°47'22" VA 89°25'19" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 786.727m											
Note	-- BS Elevation Error: -0.382m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	2344	1.460	251°33'06"	90°26'43"	21.929	SS	0.000	0.000	5489891.534	661985.082	785.585	
SS	2345	1.460	258°07'02"	90°20'06"	37.999	SS	0.000	0.000	5489890.649	661968.699	785.534	
SS	2346	1.460	261°26'14"	89°59'30"	53.951	SS	0.000	0.000	5489890.440	661952.533	785.764	
SS	2347	1.460	262°58'46"	89°57'54"	65.806	SS	0.000	0.000	5489890.430	661940.570	785.796	
SS	2348	1.460	276°07'27"	89°58'16"	68.396	SS	0.000	0.000	5489905.770	661937.878	785.790	
SS	2349	1.460	282°25'43"	89°51'09"	23.564	SS	0.000	0.000	5489903.545	661982.871	785.816	
SS	2350	1.460	275°39'54"	89°33'51"	32.990	SS	0.000	0.000	5489901.730	661973.055	786.007	
SS	2351	1.460	313°21'10"	90°00'41"	18.408	SS	0.000	0.000	5489911.110	661992.498	785.752	
SS	2352	1.460	332°33'57"	89°58'24"	22.151	SS	0.000	0.000	5489918.133	661995.677	785.766	
SS	2353	1.460	225°59'05"	89°47'55"	29.813	HUB	0.000	0.000	5489877.758	661984.443	785.860	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Noh-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
2353	2321		45°59'05"	1.400								
Note	--Orientation Notes											
Note	-- Observed Values: HA 45°59'05" VA 90°20'37" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 785.622m											
Note	-- BS Elevation Error: 0.031m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	2354	1.460	65°42'15"	92°15'00"	7.463	SS	0.000	0.000	5489880.826	661991.240	785.507	
SS	2355	1.460	143°59'01"	91°45'01"	14.678	SS	0.000	0.000	5489865.892	661993.070	785.352	
SS	2356	1.460	195°00'56"	91°34'05"	17.302	SS	0.000	0.000	5489861.053	661979.962	785.327	

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2357	1.460	251°13'20"	92°25'50"	4.159	SS	0.000	0.000	5489876.421	661980.509	785.624
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2323	2305		100°36'36"	1.680							
Note	-Orientation Notes										
Note	- Observed Values: HA 100°36'36" VA 90°20'54" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 787.112m										
Note	- BS Elevation Error: 0.003m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2358	1.460	150°14'27"	91°57'49"	16.302	SS	0.000	0.000	5489796.862	661958.174	786.808
SS	2359	1.460	191°48'45"	92°03'53"	15.679	SS	0.000	0.000	5489795.669	661946.879	786.801
SS	2360	1.460	256°19'36"	91°25'47"	5.787	SS	0.000	0.000	5489809.638	661944.466	787.222
SS	2361	1.460	332°00'06"	90°49'28"	15.691	SS	0.000	0.000	5489824.859	661942.722	787.141
SS	2362	1.460	346°35'17"	91°44'51"	30.349	SS	0.000	0.000	5489840.513	661943.051	786.441
SS	2363	1.460	352°31'05"	92°27'51"	43.621	SS	0.000	0.000	5489854.216	661944.412	785.491
SS	2364	1.460	352°31'06"	91°25'06"	54.178	HUB	0.000	0.000	5489864.706	661943.035	786.025
SS	2365	1.460	332°21'34"	91°20'33"	43.643	HUB	0.000	0.000	5489849.657	661929.846	786.344
SS	2366	1.460	319°58'58"	91°16'07"	28.621	HUB	0.000	0.000	5489832.920	661931.688	786.733
SS	2367	1.460	287°10'12"	89°48'45"	19.492	HUB	0.000	0.000	5489816.760	661931.464	787.430
SS	2368	1.460	237°11'19"	90°24'08"	19.562	HUB	0.000	0.000	5489800.406	661933.646	787.229
SS	2369	1.460	211°56'18"	90°47'56"	27.309	HUB	0.000	0.000	5489787.833	661935.642	786.986
SS	2370	1.460	211°00'22"	90°24'40"	39.725	HUB	0.000	0.000	5489776.958	661929.624	787.081
SS	2371	1.460	227°44'54"	90°19'55"	47.445	HUB	0.000	0.000	5489779.105	661914.969	787.091
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	2365	5489849.657	661929.846	786.344	SS						
SP	2366	5489832.919	661931.688	786.733	SS						
SP	2367	5489816.760	661931.464	787.430	SS						
SP	2368	5489800.406	661933.646	787.229	SS						

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SP	2369	5489787.833	661935.642	786.986	SS						
SP	2370	5489776.958	661929.624	787.081	SS						
SP	2371	5489779.105	661914.969	787.091	SS						
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2372	1.460	244°28'21"	89°44'50"	32.059	SS	0.000	0.000	5489797.190	661921.158	787.508
SS	2373	1.460	273°27'36"	90°07'27"	29.130	SS	0.000	0.000	5489812.764	661921.010	787.303
SS	2374	1.460	254°21'59"	89°39'23"	68.968	HUB	0.000	0.000	5489795.115	661893.301	787.720
SS	2375	1.460	251°46'28"	89°39'29"	45.398	SS	0.000	0.000	5489796.807	661906.967	787.637
SS	2376	1.460	269°22'46"	89°58'58"	47.524	SS	0.000	0.000	5489810.491	661902.565	787.381
SS	2377	1.460	286°03'24"	90°14'43"	49.091	SS	0.000	0.000	5489824.584	661902.911	787.156
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2322	2305		188°16'44"	1.640							
Note	-Orientation Notes										
Note	- Observed Values: HA 188°16'44" VA 89°23'03" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 787.030m										
Note	- BS Elevation Error: -0.080m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2378	1.460	219°46'07"	90°28'04"	14.149	SS	0.000	0.000	5489912.397	661999.574	785.611
SS	2379	1.460	278°56'40"	89°28'44"	13.180	SS	0.000	0.000	5489925.321	661995.606	785.847
SS	2380	1.460	329°39'31"	93°34'21"	17.383	SS	0.000	0.000	5489938.244	661999.861	784.644
SS	2381	1.460	327°59'36"	91°38'43"	29.569	SS	0.000	0.000	5489948.335	661992.959	784.878
SS	2382	1.460	298°07'30"	92°35'30"	22.349	SS	0.000	0.000	5489933.796	661988.934	784.716
SS	2383	1.460	249°09'01"	89°22'24"	18.893	SS	0.000	0.000	5489916.548	661990.970	785.933
SS	2384	1.460	248°12'04"	89°56'35"	28.808	SS	0.000	0.000	5489912.574	661981.876	785.755
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	-FieldGenius v4.2.0 (2009-12-09)										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2322	2305		188°16'44"	1.615							
Note	--Orientation Notes										
Note	-- Observed Values: HA 188°16'44" VA 89°20'33" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 787.093m										
Note	-- BS Elevation Error: -0.017m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2385	1.460	290°29'41"	90°15'39"	82.302	HUB	0.000	0.000	5489952.087	661931.532	785.327
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2385	2322		110°29'41"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 110°29'41" VA 89°58'23" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 785.546m										
Note	-- BS Elevation Error: -0.001m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2386	1.460	79°09'30"	90°45'17"	49.499	SS	0.000	0.000	5489961.397	661980.144	784.855
SS	2387	1.460	78°45'08"	91°23'51"	32.537	SS	0.000	0.000	5489958.432	661963.435	784.713
SS	2388	1.460	106°34'36"	90°57'21"	32.185	SS	0.000	0.000	5489942.906	661962.376	784.970
SS	2389	1.460	106°22'52"	90°34'04"	45.534	SS	0.000	0.000	5489939.246	661975.216	785.056
SS	2390	1.460	116°26'26"	90°04'41"	40.598	SS	0.000	0.000	5489934.010	661967.884	785.452
SS	2391	1.460	134°30'15"	89°37'39"	37.050	SS	0.000	0.000	5489926.117	661957.956	785.748
SS	2392	1.460	115°53'01"	91°17'41"	24.878	SS	0.000	0.000	5489941.230	661953.909	784.945

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2393	1.460	78°07'47"	91°41'00"	21.773	SS	0.000	0.000	5489956.564	661952.831	784.867
SS	2394	1.460	60°47'09"	91°32'47"	36.637	SS	0.000	0.000	5489969.962	661963.498	784.518
SS	2395	1.460	36°09'02"	91°22'15"	21.947	SS	0.000	0.000	5489969.804	661944.476	784.982
SS	2396	1.460	357°23'54"	91°52'50"	13.038	SS	0.000	0.000	5489965.104	661930.941	785.079
SS	2397	1.460	306°40'04"	90°48'04"	17.677	SS	0.000	0.000	5489962.642	661917.255	785.260
SS	2398	1.460	280°21'47"	89°59'58"	28.182	SS	0.000	0.000	5489957.157	661903.810	785.507
SS	2399	1.460	278°29'26"	91°41'21"	46.211	SS	0.000	0.000	5489958.907	661885.848	784.145
SS	2400	1.460	267°00'04"	89°43'14"	43.858	SS	0.000	0.000	5489949.793	661887.735	785.721
SS	2401	1.460	260°18'22"	89°36'22"	33.799	SS	0.000	0.000	5489946.396	661898.217	785.739
SS	2402	1.460	258°55'10"	89°18'11"	17.826	SS	0.000	0.000	5489948.661	661914.040	785.724
SS	2403	1.460	310°06'41"	89°05'03"	4.749	SS	0.000	0.000	5489958.146	661927.901	785.583
SS	2404	1.460	72°33'38"	92°09'48"	10.846	SS	0.000	0.000	5489955.335	661941.879	785.098
SS	2405	1.460	119°55'50"	90°21'23"	14.979	SS	0.000	0.000	5489944.613	661944.514	785.414
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2385	2322		110°29'41"	1.640							
Note	--Orientation Notes										
Note	-- Observed Values: HA 110°29'41" VA 89°58'03" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 785.554m										
Note	-- BS Elevation Error: 0.007m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2406	1.460	192°04'53"	90°36'28"	10.225		0.000	0.000	5489942.090	661929.393	785.399
SS	2407	1.460	226°34'06"	89°44'05"	19.881	SS	0.000	0.000	5489938.420	661917.095	785.599
SS	2408	1.460	235°22'42"	89°33'52"	33.833	SS	0.000	0.000	5489932.865	661903.691	785.764
SS	2409	1.460	223°28'49"	89°51'23"	37.146	SS	0.000	0.000	5489925.134	661905.972	785.600
SS	2410	1.460	200°42'00"	90°28'06"	30.431	SS	0.000	0.000	5489923.621	661920.776	785.276
SS	- 2411	1.460	171°44'18"	90°52'34"	23.320	SS	0.000	0.000	5489929.012	661934.883	785.150
SS	2412	1.460	137°29'26"	91°17'34"	26.266	SS	0.000	0.000	5489932.730	661949.276	784.914

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2413	1.460	173°07'21"	90°52'36"	28.480	SS	0.000	0.000	5489923.815	661934.942	785.071
SS	2414	1.460	192°06'27"	90°18'24"	36.855	SS	0.000	0.000	5489916.053	661923.802	785.310
SS	2415	1.460	257°57'03"	89°21'47"	51.468	HUB	0.000	0.000	5489941.344	661881.201	786.079
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2415	2385		77°57'03"	1.580							
Note	--Orientation Notes										
Note	-- Observed Values: HA 77°57'03" VA 90°59'13" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 785.313m										
Note	-- BS Elevation Error: -0.014m										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2415	2385		77°57'03"	1.580							
Note	--Orientation Notes										
Note	-- Observed Values: HA 77°57'03" VA 90°52'55" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 785.407m										
Note	-- BS Elevation Error: 0.080m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2416	1.460	21°53'26"	94°01'13"	12.216	SS	0.000	0.000	5489952.651	661885.744	785.343
SS	2417	1.460	123°51'14"	91°38'40"	10.127	SS	0.000	0.000	5489935.704	661889.608	785.909
SS	2418	1.460	147°34'35"	91°08'59"	24.309	SS	0.000	0.000	5489920.828	661894.232	785.711
SS	2419	1.460	154°57'08"	90°45'47"	37.145	SS	0.000	0.000	5489907.695	661896.926	785.704
SS	2420	1.460	173°17'39"	90°41'53"	36.235	SS	0.000	0.000	5489905.360	661885.432	785.758

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date							
SS	2421	1.460	172°32'03"	91°11'08"	20.358	SS	0.000	0.000	5489921.163	661883.846	785.778	
SS	2422	1.460	210°18'20"	90°54'10"	6.410	SS	0.000	0.000	5489935.810	661877.967	786.098	
SS	2423	1.460	309°33'32"	91°29'49"	12.181	SS	0.000	0.000	5489949.099	661871.813	785.881	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
2415	2385		77°57'03"	1.580								
Note	--Orientation Notes											
Note	-- Observed Values: HA 77°57'03" VA 91°06'08" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 785.209m											
Note	-- BS Elevation Error: -0.118m											
Note	--EDM Mode: IR Fine											
Note	--Application Prism: 0.0mm Instrument Prism: Unknown											
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev	
SS	2424	1.460	123°13'33"	91°02'00"	38.691	SS	0.000	0.000	5489920.147	661913.562	785.501	
SS	2425	1.460	112°54'21"	91°01'11"	36.160	SS	0.000	0.000	5489927.272	661914.504	785.556	
SS	2426	1.460	279°47'20"	90°07'12"	24.226	SS	0.000	0.000	5489945.462	661857.328	786.148	
SS	2427	1.460	245°06'36"	90°21'20"	26.554	SS	0.000	0.000	5489930.168	661857.114	786.034	
SS	2428	1.460	259°30'45"	90°32'43"	54.309	HUB	0.000	0.000	5489931.459	661827.801	785.682	
Note	--FieldGenius v4.2.0 (2009-12-09)											
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic											
Note	--Orientation											
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht								
2428	2415		79°30'45"	1.615								
Note	--Orientation Notes											
Note	-- Observed Values: HA 79°30'45" VA 89°54'07" HR 1.460m											
Note	-- Observed Reference: Point											
Note	-- BS Elevation: 785.930m											
Note	-- BS Elevation Error: -0.149m											

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2429	1.460	239°18'21"	89°27'26"	104.761	HUB	0.000	0.000	5489877.985	661737.721	786.830
SS	2430	1.460	102°54'57"	89°41'02"	34.595	SS	0.000	0.000	5489923.726	661861.520	786.028
SS	2431	1.460	120°12'46"	89°47'54"	42.559	SS	0.000	0.000	5489910.042	661864.579	785.987
SS	2432	1.460	129°38'48"	89°30'55"	49.556	SS	0.000	0.000	5489899.841	661865.958	786.257
SS	2433	1.460	140°03'24"	89°21'04"	49.801	SS	0.000	0.000	5489893.279	661859.773	786.401
SS	2434	1.460	131°15'08"	89°37'05"	34.787	SS	0.000	0.000	5489908.522	661853.954	786.069
SS	2435	1.460	116°22'45"	89°26'00"	23.063	SS	0.000	0.000	5489921.212	661848.462	786.065
SS	2436	1.460	77°19'01"	88°55'05"	17.878	SS	0.000	0.000	5489935.383	661846.240	786.175
SS	2437	1.460	49°24'38"	89°14'19"	18.427	SS	0.000	0.000	5489943.447	661841.793	786.082
SS	2438	1.460	352°52'29"	95°05'18"	7.861	SS	0.000	0.000	5489939.228	661826.830	785.140
SS	2439	1.460	155°47'01"	86°44'56"	6.323	SS	0.000	0.000	5489925.701	661830.391	786.196
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2429	2428		59°18'21"	1.625							
Note	--Orientation Notes										
Note	-- Observed Values: HA 59°18'21" VA 90°43'30" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 785.869m										
Note	-- BS Elevation Error: -0.013m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2440	1.460	263°35'46"	90°08'24"	146.726	HUB	0.000	0.000	5489861.620	661591.911	786.636
SS	2441	1.460	26°32'11"	90°39'13"	150.527	HUB	0.000	0.000	5490012.645	661804.967	785.278
SS	2442	1.460	33°13'30"	91°01'05"	90.902	RIVERBANK	0.000	0.000	5489954.015	661787.521	785.380
SS	2443	1.460	35°27'34"	91°08'53"	79.938	RIVERBANK	0.000	0.000	5489943.084	661784.086	785.393
SS	- 2444	1.460	41°24'40"	90°27'07"	66.552	RIVERBANK	0.000	0.000	5489927.896	661781.740	786.470
SS	2445	1.460	44°54'36"	90°27'58"	57.769	RIVERBANK	0.000	0.000	5489918.897	661778.504	786.525

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2446	1.460	45°26'27"	90°29'53"	42.111	RIVERBANK	0.000	0.000	5489907.531	661767.725	786.629
SS	2447	1.460	48°40'02"	90°47'40"	28.077	RIVERBANK	0.000	0.000	5489896.526	661758.801	786.605
SS	2448	1.460	44°48'25"	91°29'11"	13.442	RIVERBANK	0.000	0.000	5489887.519	661747.190	786.646
SS	2449	1.460	276°22'36"	97°56'40"	2.700	RIVERBANK	0.000	0.000	5489878.282	661735.063	786.621
SS	2450	1.460	242°23'06"	91°03'20"	17.997	RIVERBANK	0.000	0.000	5489869.644	661721.777	786.663
SS	2451	1.460	242°08'18"	90°13'40"	33.078	RIVERBANK	0.000	0.000	5489862.526	661708.477	786.863
SS	2452	1.460	244°14'53"	90°10'21"	43.768	RIVERBANK	0.000	0.000	5489858.969	661608.808	786.880
SS	2453	1.460	244°06'18"	89°49'22"	65.190	RIVERBANK	0.000	0.000	5489853.881	661688.875	787.165
SS	2454	1.460	243°54'16"	89°35'39"	67.714	RIVERBANK	0.000	0.000	5489848.200	661676.911	787.474
SS	2455	1.460	245°26'06"	90°32'31"	102.695	SS	0.000	0.000	5489835.294	661644.325	786.023
SS	2456	1.460	248°49'41"	90°46'31"	87.981	SS	0.000	0.000	5489848.212	661655.886	785.804
SS	2457	1.460	249°55'32"	90°57'36"	72.879	SS	0.000	0.000	5489852.973	661688.279	785.774
SS	2458	1.460	251°47'53"	91°06'00"	57.319	SS	0.000	0.000	5489860.084	661683.280	785.894
SS	2459	1.460	255°59'40"	91°28'55"	42.453	SS	0.000	0.000	5489867.714	661696.544	785.897
SS	2460	1.460	261°10'34"	92°12'17"	27.639	SS	0.000	0.000	5489873.748	661710.429	785.931
SS	2461	1.460	292°47'28"	93°39'03"	16.712	SS	0.000	0.000	5489884.445	661722.344	785.931
SS	2462	1.460	344°54'47"	93°51'40"	16.110	SS	0.000	0.000	5489893.505	661733.537	785.910
SS	2463	1.460	14°54'47"	92°41'21"	28.650	SS	0.000	0.000	5489905.639	661745.086	785.651
SS	2464	1.460	25°30'09"	92°11'13"	43.981	SS	0.000	0.000	5489917.652	661756.843	785.316
SS	2465	1.460	26°42'57"	91°55'57"	59.867	SS	0.000	0.000	5489931.431	661788.620	784.976
SS	2466	1.460	26°48'25"	91°35'13"	75.839	SS	0.000	0.000	5489945.648	661771.910	784.894
SS	2467	1.460	26°50'20"	91°14'17"	91.397	SS	0.000	0.000	5489959.518	661778.975	785.020
SS	2468	1.460	26°49'03"	91°29'55"	105.715	SS	0.000	0.000	5489972.298	661755.808	784.230
SS	2469	1.460	25°29'32"	91°00'40"	105.676	SS	0.000	0.000	5489973.358	661788.195	785.130
SS	2470	1.460	20°03'57"	90°44'08"	80.402	SS	0.000	0.000	5489953.500	661765.304	785.963
SS	2471	1.460	13°23'13"	90°42'05"	64.823	SS	0.000	0.000	5489941.042	661752.728	786.201
SS	2472	1.460	6°57'32"	90°52'25"	51.566	SS	0.000	0.000	5489929.165	661743.988	786.268
SS	2473	1.460	357°22'17"	91°07'09"	40.243	SS	0.000	0.000	5489918.178	661735.875	786.200
SS	2474	1.460	337°16'54"	90°57'57"	34.328	SS	0.000	0.000	5489909.645	661724.465	786.416
SS	2475	1.460	311°46'21"	90°45'42"	33.690	SS	0.000	0.000	5489900.426	661712.597	786.547
SS	2476	1.460	291°25'08"	91°21'06"	37.629	SS	0.000	0.000	5489891.723	661702.708	786.107
SS	2477	1.460	280°36'48"	90°32'09"	48.282	SS	0.000	0.000	5489886.877	661690.267	786.543
SS	2478	1.460	267°55'12"	90°25'49"	60.760	SS	0.000	0.000	5489875.780	661677.002	786.538

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2479	1.460	253°29'08"	90°04'56"	81.795	SS	0.000	0.000	5489854.734	661659.300	786.877
SS	2480	1.460	251°11'05"	90°03'26"	96.262	SS	0.000	0.000	5489846.939	661646.603	786.899
SS	2481	1.460	248°00'11"	90°14'45"	108.890	SS	0.000	0.000	5489837.200	661636.759	786.528
SS	2482	1.460	258°59'40"	89°47'53"	100.656	SS	0.000	0.000	5489858.770	661638.917	787.349
SS	2483	1.460	264°54'11"	89°47'48"	89.776	SS	0.000	0.000	5489870.009	661648.309	787.313
SS	2484	1.460	267°55'09"	90°05'28"	76.011	SS	0.000	0.000	5489875.225	661681.760	786.874
SS	2485	1.468	280°46'09"	90°06'05"	62.911	SS	0.000	0.000	5489989.740	661675.918	786.883
SS	2486	1.460	293°15'54"	90°24'06"	54.850	SS	0.000	0.000	5489899.650	661687.332	786.610
SS	2487	1.460	308°33'01"	90°18'50"	60.434	SS	0.090	0.000	5489909.415	661698.279	786.718
SS	2488	1.460	325°25'29"	90°30'35"	53.204	SS	0.000	0.000	5489921.791	661707.529	786.521
SS	2489	1.460	342°51'48"	90°39'23"	56.592	SS	0.000	0.000	5489939.061	661721.946	786.346
SS	2490	1.460	354°53'49"	90°45'30"	65.363	SS	0.000	0.000	5489943.083	661731.907	786.130
SS	2491	1.460	5°00'16"	90°45'37"	76.482	SS	0.000	0.000	5489954.169	661744.392	785.980
SS	2492	1.460	18°16'31"	90°41'15"	104.330	SS	0.000	0.000	5489977.046	661770.434	785.743
SS	2493	1.460	24°05'28"	90°41'10"	130.410	SS	0.000	0.000	5489997.029	661790.946	785.433
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2440	2429		83°35'46"	1.600							
Note	--Orientation Notes										
Note	-- Observed Values: HA 83°35'46" VA 90°06'21" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 786.505m										
Note	-- BS Elevation Error: -0.325m.										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hx Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2494	1.460	13°46'30"	91°07'16"	37.515	WATEREDG	0.000	0.000	5489898.049	661600.841	786.042
SS	2495	1.460	24°37'49"	90°50'32"	48.250	WATEREDG	0.000	0.000	5489905.475	661612.017	786.067
SS	2496	1.460	33°21'21"	90°54'08"	58.932	WATEREDG	0.000	0.000	5489910.838	661624.309	785.848
SS	2497	1.460	39°16'39"	90°56'52"	70.465	WATEREDG	0.000	0.000	5489916.159	661636.514	785.611
SS	2498	1.460	39°22'25"	90°52'28"	83.913	WATEREDG	0.000	0.000	5489926.479	661645.137	785.496

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2499	1.460	38°04'45"	90°51'46"	96.695	WATEREDG	0.000	0.000	5489937.725	661651.540	785.320
SS	2500	1.460	37°00'10"	90°49'43"	110.627	WATEREDG	0.000	0.000	5489949.958	661658.485	785.176
SS	2501	1.460	36°43'01"	90°46'45"	124.479	WATEREDG	0.000	0.000	5489961.393	661666.325	785.083
SS	2502	1.460	36°24'07"	90°43'42"	136.854	WATEREDG	0.000	0.000	5489971.761	661673.119	785.037
SS	2503	1.460	36°33'56"	90°40'31"	151.318	WATEREDG	0.000	0.000	5489983.146	661682.061	784.993
SS	2504	1.460	36°09'26"	90°41'48"	163.490	WATEREDG	0.000	0.000	5489993.612	661688.363	784.788
SS	2505	1.460	37°18'25"	90°40'06"	174.812	WATEREDG	0.080	0.000	5490000.656	661697.834	784.737
SS	2506	1.460	38°09'27"	90°38'29"	185.363	WATEREDG	0.000	0.000	5490007.364	661706.428	784.701
SS	2507	1.460	39°03'10"	90°36'45"	195.801	WATEREDG	0.000	0.000	5490013.663	661715.265	784.683
SS	2508	1.460	39°44'05"	90°35'38"	205.488	WATEREDG	0.000	0.000	5490019.635	661723.259	784.646
SS	2509	1.460	40°56'15"	90°33'36"	220.134	WATEREDG	0.000	0.000	5490027.905	661736.146	784.625
SS	2510	1.460	43°10'05"	90°33'13"	228.154	WATEREDG	0.000	0.000	5490038.018	661747.962	784.572
SS	2511	1.460	44°56'38"	90°33'40"	238.392	WATEREDG	0.000	0.000	5490030.345	661760.306	784.442
SS	2512	1.460	46°30'06"	90°34'05"	249.944	WATEREDG	0.000	0.000	5490033.656	661773.209	784.298
SS	2513	1.460	48°23'05"	90°36'01"	259.711	WATEREDG	0.000	0.000	5490034.091	661788.068	784.085
SS	2514	1.460	49°37'35"	90°36'47"	271.667	WATEREDG	0.000	0.000	5490037.584	661798.867	783.869
SS	2515	1.460	50°15'36"	90°35'10"	283.722	WATEREDG	0.000	0.000	5490042.995	661810.068	783.874
SS	2516	1.460	50°50'25"	90°33'41"	294.562	WATEREDG	0.000	0.000	5490047.622	661820.299	783.890
SS	2517	1.460	50°39'45"	90°36'20"	237.666	WATEREDG	0.080	0.000	5490012.265	661775.717	784.264
SS	2518	1.468	49°06'11"	90°35'39"	224.813	WATEREDG	0.000	0.000	5490088.797	661761.868	784.445
SS	2519	1.460	47°16'07"	90°34'58"	212.467	WATEREDG	0.000	0.000	5490005.784	661747.969	784.615
SS	2520	1.460	45°45'42"	90°35'45"	198.902	WATEREDG	0.000	0.000	5490000.375	661734.405	784.708
SS	2521	1.460	44°26'37"	90°38'28"	187.277	WATEREDG	0.000	0.000	5489995.316	661723.036	784.685
SS	2522	1.460	43°20'00"	90°41'42"	174.797	WATEREDG	0.000	0.000	5489998.748	661711.869	784.656
SS	2523	1.460	44°46'13"	90°39'49"	163.600	WATEREDG	0.000	0.000	5489977.758	661707.121	784.881
SS	2524	1.460	45°42'01"	90°40'42"	151.990	WATEREDG	0.000	0.000	5489967.764	661700.682	784.977
SS	2525	1.460	45°53'32"	90°42'12"	140.562	WATEREDG	0.000	0.000	5490959.445	661682.031	785.051
SS	2526	1.460	46°28'25"	90°45'54"	128.610	WATEREDG	0.000	0.000	5490988.184	661685.152	785.059
SS	2527	1.460	47°22'40"	90°46'41"	117.286	WATEREDG	0.000	0.000	5489941.034	661678.206	785.184
SS	2528	1.460	48°15'48"	90°47'43"	104.630	WATEREDG	0.000	0.000	5489931.266	661669.979	785.324
SS	2529	1.460	49°23'14"	90°48'58"	93.935	WATEREDG	0.000	0.000	5490922.760	661683.212	785.435
SS	2530	1.460	51°46'10"	90°54'56"	81.497	WATEREDG	0.000	0.000	5490912.044	661655.922	785.474
SS	2531	1.460	54°48'57"	90°58'40"	69.109	WATEREDG	0.000	0.000	5489901.435	661648.385	785.597

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2532	1.460	59°48'44"	91°02'31"	57.947	WATEREDG	0.000	0.000	5489890.753	661641.991	785.722
SS	2533	1.460	64°04'13"	91°15'25"	46.586	WATEREDG	0.000	0.000	5489881.985	661633.796	785.754
SS	2534	1.460	71°05'09"	91°45'39"	33.761	WATEREDG	0.000	0.000	5489872.558	661623.834	785.739
SS	2535	1.460	62°44'48"	92°04'30"	24.675	WATEREDG	0.000	0.000	5489872.912	661613.832	785.883
SS	2536	1.460	41°02'26"	92°40'12"	14.106	WATEREDG	0.000	0.000	5489872.248	661601.162	786.119
SS	2537	1.460	189°55'17"	88°37'47"	60.643	RIVERBANK	0.000	0.000	5489801.901	661581.488	788.226
SS	2538	1.460	181°55'50"	88°26'54"	50.809	RIVERBANK	0.000	0.000	5400810.859	661590.199	788.152
SS	2539	1.460	166°53'40"	88°13'50"	47.529	RIVERBANK	0.000	0.000	5400815.350	661602.601	788.244
SS	2540	1.460	150°56'13"	88°18'54"	51.418	RIVERBANK	0.000	0.000	5489816.695	661616.877	788.288
SS	2541	1.460	138°43'28"	89°15'21"	55.513	RIVERBANK	0.000	0.000	5489819.903	661628.528	787.497
SS	2542	1.460	126°36'18"	89°10'59"	59.441	RIVERBANK	0.000	0.000	5489826.179	661639.522	787.624
SS	2543	1.460	115°38'02"	88°51'02"	65.279	RIVERBANK	0.080	0.000	5489933.385	661650.758	788.086
SS	2544	1.460	105°46'30"	89°19'11"	73.684	RIVERBANK	0.000	0.000	5489841.590	661662.814	787.651
SS	2545	1.460	100°18'02"	89°38'09"	82.991	RIVERBANK	0.000	0.000	5489846.780	661673.562	787.304
SS	2546	1.460	51°06'32"	90°36'16"	164.511	SS	0.000	0.000	5489984.901	661719.949	785.041
SS	2547	1.460	51°08'10"	90°27'42"	148.217	SS	0.000	0.000	5489954.619	661707.314	785.582
SS	2548	1.460	51°40'37"	90°24'07"	133.931	SS	0.000	0.000	5489944.667	661696.980	785.837
SS	2549	1.460	51°53'10"	90°22'00"	119.253	SS	0.000	0.000	5489935.224	661685.735	786.013
SS	2550	1.460	52°06'36"	90°21'08"	105.938	SS	0.000	0.000	5489926.680	661675.514	786.125
SS	2551	1.460	53°43'13"	90°21'14"	93.612	SS	0.000	0.000	5489917.011	661687.378	786.198
SS	2552	1.460	56°33'17"	90°25'10"	80.022	SS	0.000	0.000	5489905.722	661658.680	786.190
SS	2553	1.460	61°04'03"	90°14'13"	66.416	SS	0.000	0.000	5489893.750	661680.037	786.502
SS	2554	1.460	67°24'53"	90°04'32"	53.512	SS	0.000	0.000	5489982.172	661641.519	786.706
SS	2555	1.460	79°21'35"	89°45'00"	41.560	SS	0.000	0.000	5489889.293	661602.758	786.998
SS	2556	1.460	98°19'54"	88°48'06"	35.614	SS	0.000	0.000	5489856.460	661627.141	787.521
SS	2557	1.460	117°11'34"	89°16'32"	31.586	SS	0.000	0.000	5489847.186	661620.004	787.176
SS	2558	1.460	139°30'28"	89°16'52"	31.338	SS	0.000	0.000	5489837.789	661612.259	787.169
SS	2559	1.460	160°55'03"	89°35'55"	38.826	SS	0.000	0.000	5489826.818	661603.958	787.034
SS	2560	1.460	176°02'04"	89°36'31"	45.810	SS	0.000	0.000	5489815.921	661595.078	787.089
SS	2561	1.460	179°59'38"	91°22'30"	35.957	SS	0.000	0.000	5489825.673	661591.914	785.913
SS	2562	1.460	160°41'47"	91°54'12"	25.553	SS	0.000	0.000	5489837.517	661600.953	785.927
SS	2563	1.460	123°51'40"	92°20'02"	21.209	SS	0.000	0.000	5489849.811	661609.508	785.912
SS	2564	1.460	85°22'10"	92°06'29"	14.312	SS	0.000	0.000	5489862.774	661606.166	786.250

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2428	2429		239°18'21"	1.570							
Note	--Orientation Notes										
Note	-- Observed Values: HA 239°18'21" VA 89°24'13" HR 1.460m										
Note	- Observed Reference: Point										
Note	-- BS Elevation: 786.883m										
Note	-- BS Elevation Error: 0.053m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par.Off	Perp Off	North	East	Elev
SS	2565	1.460	154°24'38"	89°02'12"	23.314	SS	0.000	0.000	5489910.434	661837.870	786.184
SS	2566	1.460	154°24'38"	88°35'00"	39.938	SS	0.000	0.000	5489895.449	661845.046	786.780
SS	2567	1.460	155°21'09"	89°11'17"	54.902	SS	0.000	0.000	5489881.564	661850.695	786.570
SS	2568	1.460	164°35'13"	88°12'49"	64.424	SS	0.000	0.000	5489869.382	661844.915	787.801
SS	2569	1.460	169°33'59"	88°52'09"	51.101	SS	0.000	0.000	5489881.212	661837.054	786.801
SS	2570	1.460	173°54'10"	88°34'47"	36.462	SS	0.000	0.000	5489895.214	661831.673	786.696
SS	2571	1.460	189°11'48"	88°48'08"	22.442	SS	0.000	0.000	5489909.310	661824.215	786.261
SS	2572	1.460	234°33'29"	90°39'02"	18.331	SS	0.000	0.000	5489920.830	661812.868	785.584
SS	2573	1.460	234°55'07"	90°33'56"	32.609	SS	0.000	0.000	5489912.718	661801.117	785.470
SS	2574	1.460	213°15'02"	89°53'43"	37.541	SS	0.000	0.000	5489908.064	661887.218	785.861
SS	2575	1.460	196°25'48"	88°04'16"	43.693	SS	0.000	0.000	5489889.573	661815.450	787.263
SS	2576	1.460	209°29'40"	89°52'52"	53.884	SS	0.000	0.000	5489884.558	661801.272	785.904
SS	2577	1.460	224°02'28"	90°22'15"	56.057	SS	0.000	0.000	5489891.163	661788.833	785.429
SS	2578	1.460	238°49'34"	89°29'29"	63.529	SS	0.000	0.000	5489898.575	661773.448	786.356
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2429	2428		59°18'21"	1.640							
Note	--Orientation Notes										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	- Observed Values: HA 59°18'21" VA 90°45'56" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 785.610m										
Note	- BS Elevation Error: -0.072m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Sip Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2579	1.460	92°22'01"	90°50'53"	59.521	SS	0.000	0.000	5489875.527	661797.185	786.129
SS	2580	1.460	86°18'43"	91°30'53"	46.186	SS	0.000	0.000	5489880.955	661783.795	785.789
SS	2581	1.460	74°01'23"	91°12'23"	33.481	SS	0.000	0.000	5489887.199	661769.901	786.305
SS	2582	1.460	72°43'34"	91°07'02"	48.867	SS	0.000	0.000	5489892.493	661784.375	786.057
SS	2583	1.460	83°25'11"	91°35'58"	56.998	SS	0.000	0.000	5489884.514	661794.321	785.419
SS	2584	1.460	91°00'10"	89°27'28"	66.573	SS	0.000	0.000	5489876.820	661804.280	787.640
SS	2585	1.460	91°27'44"	91°36'11"	45.185	SS	0.000	0.000	5489876.833	661782.873	785.746
SS	2586	1.460	102°35'29"	91°36'18"	29.115	SS	0.000	0.000	5489871.641	661766.124	786.194
SS	2587	1.460	92°39'57"	90°24'27"	15.173	SS	0.000	0.000	5489877.279	661752.877	786.902
SS	2588	1.460	128°56'32"	90°02'30"	11.320	SS	0.000	0.000	5489870.870	661746.525	787.001
SS	2589	1.460	124°12'18"	91°36'16"	28.866	SS	0.000	0.000	5489861.764	661761.585	786.201
SS	2590	1.460	124°17'14"	91°20'04"	47.672	SS	0.000	0.000	5489851.137	661777.096	785.906
SS	2591	1.460	124°40'49"	88°42'20"	64.676	HUB	0.000	0.000	5489841.194	661790.892	788.471
SS	2592	1.460	108°24'19"	91°12'51"	48.395	SS	0.000	0.000	5489862.709	661783.629	785.984
SS	2593	1.460	129°00'58"	91°25'16"	47.031	SS	0.000	0.000	5489848.387	661774.251	785.843
SS	2594	1.460	152°21'01"	91°19'04"	48.401	SS	0.000	0.000	5489835.123	661760.176	785.897
SS	2595	1.460	153°48'09"	91°09'00"	31.977	SS	0.000	0.000	5489845.299	661751.834	786.368
SS	2596	1.460	181°15'49"	90°22'53"	51.091	SS	0.000	0.000	5489826.908	661736.594	786.670
SS	2597	1.460	182°43'57"	89°54'33"	35.200	SS	0.000	0.000	5489842.825	661736.043	787.066
SS	2598	1.460	185°21'55"	90°00'09"	20.897	SS	0.000	0.000	5489857.180	661766.767	787.006
SS	2599	1.460	201°20'29"	90°00'15"	35.188	SS	0.000	0.000	5489845.210	661724.816	787.007
SS	2600	1.460	200°44'35"	90°04'27"	54.928	SS	0.000	0.000	5489826.618	661718.266	786.939
SS	2601	1.460	195°57'15"	89°57'16"	63.228	SS	0.000	0.000	5489817.193	661720.341	787.060
SS	2602	1.460	219°15'56"	89°58'23"	43.207	SS	0.000	0.000	5489844.533	661710.374	787.039
SS	2603	1.460	209°59'54"	89°43'31"	94.820	SS	0.000	0.000	5489795.868	661690.314	787.464
Store Pt Type	Pt Num	North	East	Elev	Desc						

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SP	2603	5489795.868	661690.314	787.464	HUB						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2603	2429		29°59'54"	1.610							
Note	--Orientation Notes										
Note	- Observed Values: HA 29°59'54" VA 90°28'19" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 786.833m										
Note	- BS Elevation Error: 0.004m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2604	1.460	2°36'29"	91°06'50"	45.842	SS	0.000	0.000	5489841.654	661692.399	786.723
SS	2605	1.460	349°10'08"	91°12'33"	33.700	SS	0.000	0.000	5489828.960	661683.982	786.903
SS	2606	1.460	322°59'54"	90°09'38"	30.282	SS	0.000	0.000	5489820.051	661672.089	787.529
SS	2607	1.460	297°56'14"	89°23'03"	35.294	SS	0.000	0.000	5489812.402	661659.134	787.994
SS	2608	1.460	281°40'44"	89°15'30"	45.933	SS	0.000	0.000	5489805.165	661645.335	788.209
SS	2609	1.460	270°11'46"	89°35'31"	62.176	SS	0.000	0.000	5489796.081	661628.139	788.057
SS	2610	1.460	264°05'22"	89°30'06"	73.599	SS	0.000	0.000	5489788.289	661617.109	788.254
SS	2611	1.460	260°48'27"	89°27'51"	81.028	SS	0.000	0.000	5489782.924	661610.330	788.372
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2603	1243		235°15'27"	1.610							
Note	--Orientation Notes										
Note	- Observed Values: HA 235°15'27" VA 89°59'19" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 787.632m										
Note	- BS Elevation Error: -0.471m										
Note	--EDM Mode: IR Fine										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2612	1.460	250°39'37"	89°25'38"	66.620	SS	0.000	0.000	5489773.807	661627.456	788.280
SS	2613	1.460	255°09'18"	89°47'02"	50.892	SS	0.000	0.000	5489782.829	661641.120	787.806
SS	2614	1.460	258°57'45"	89°49'05"	36.887	SS	0.000	0.000	5489788.806	661654.109	787.731
SS	2615	1.460	272°32'29"	91°00'12"	23.051	SS	0.000	0.000	5489796.890	661667.289	787.211
SS	2616	1.460	317°22'58"	91°32'51"	15.181	SS	0.000	0.000	5489807.035	661680.039	787.204
SS	2617	1.460	9°02'08"	91°22'18"	22.980	SS	0.000	0.000	5489818.557	661693.921	787.064
SS	2618	1.460	28°51'38"	90°41'42"	36.218	SS	0.000	0.000	5489827.585	661707.794	787.175
SS	2619	1.460	54°16'07"	90°55'25"	33.392	SS	0.000	0.000	5489815.366	661717.417	787.076
SS	2620	1.460	54°32'58"	91°00'55"	17.307	SS	0.000	0.000	5489805.904	661704.409	787.308
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2603	1243		235°15'27"	1.635							
Note	--Orientation Notes										
Note	-- Observed Values: HA 235°15'27" VA 89°51'37" HR 1.460m										
Note	-- Observed Reference: Point										
Note	- BS Elevation: 787.858m										
Note	-- BS Elevation Error: -0.245m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2621	1.460	224°00'46"	89°58'26"	10.500	SS	0.000	0.000	5489788.316	661683.018	787.644
SS	2622	1.460	233°56'16"	90°09'18"	31.311	SS	0.000	0.000	5489777.437	661665.003	787.555
SS	2623	1.460	235°12'28"	90°03'32"	52.980	SS	0.000	0.000	5489765.637	661646.805	787.585
SS	2624	1.460	235°35'31"	90°11'10"	74.766	SS	0.000	0.000	5489753.619	661628.629	787.396
SS	2625	1.460	183°47'31"	91°20'38"	32.577	SS	0.000	0.000	5489763.371	661688.160	786.875

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2626	1.460	145°11'28"	92°30'48"	26.780	SS	0.000	0.000	5489773.901	661705.586	786.465
SS	2627	1.460	108°06'53"	91°53'01"	35.401	SS	0.000	0.000	5489784.867	661723.942	786.476
SS	2628	1.460	89°12'45"	91°17'41"	48.891	SS	0.000	0.000	5489796.540	661739.188	786.535
SS	2629	1.460	99°24'58"	91°04'55"	49.794	SS	0.000	0.000	5489787.723	661739.427	786.699
SS	2630	1.460	121°28'07"	91°14'16"	42.130	SS	0.000	0.000	5489773.880	661726.238	786.729
SS	2631	1.460	148°29'17"	92°11'33"	37.509	SS	0.000	0.000	5489763.914	661709.904	786.204
SS	2632	1.460	175°24'56"	91°23'08"	50.752	SS	0.000	0.000	5489745.293	661694.369	786.412
SS	2633	1.460	185°16'20"	90°54'32"	54.171	SS	0.000	0.000	5489741.933	661685.337	786.780
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
1243	2603		55°15'27"	1.645							
Note	--Orientation Notes										
Note	-- Observed Values: HA 55°15'27" VA 90°12'22" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 787.966m										
Note	-- BS Elevation Error: 0.502m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2634	1.460	26°19'38"	89°07'53"	23.412	SS	0.000	0.000	5489785.754	661627.021	788.643
SS	2635	1.460	331°58'20"	89°30'28"	13.001	SS	0.000	0.000	5489756.249	661610.531	788.400
SS	2636	1.460	282°24'55"	89°40'06"	26.522	SS	0.000	0.000	5489750.475	661590.738	788.442
SS	2637	1.460	236°44'33"	89°30'14"	24.319	SS	0.000	0.000	5489731.437	661596.305	788.499
SS	2638	1.460	206°46'33"	89°35'27"	20.947	SS	0.000	0.000	5489726.072	661607.203	788.438
SS	2639	1.460	156°33'31"	90°02'41"	17.358	SS	0.000	0.000	5489728.847	661623.545	788.275
SS	2640	1.460	108°00'28"	90°46'50"	28.241	SS	0.000	0.000	5489736.043	661643.495	787.904
SS	2641	1.460	104°29'44"	91°24'08"	45.467	SS	0.000	0.000	5489733.396	661660.646	787.176
SS	2642	1.460	109°09'08"	90°21'47"	60.968	SS	0.000	0.000	5489724.771	661674.232	787.902
SS	2643	1.460	106°34'39"	90°31'26"	76.247	SS	0.000	0.000	5489723.019	661689.715	787.591
SS	2644	1.460	125°20'42"	90°23'09"	70.685	SS	0.000	0.000	5489703.883	661674.295	787.812
SS	2645	1.460	141°05'54"	90°21'26"	68.635	SS	0.000	0.000	5489691.360	661659.741	787.860

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2646	1.460	141°50'45"	89°46'32"	49.691	SS	0.000	0.000	5489705.698	661647.338	788.483
SS	2647	1.460	156°38'19"	89°37'57"	49.885	SS	0.000	0.000	5489698.978	661636.420	788.608
SS	2648	1.460	157°33'13"	89°34'40"	37.509	SS	0.000	0.000	5489710.107	661630.961	788.565
SS	2649	1.460	177°14'00"	90°03'55"	44.521	SS	0.000	0.000	5489700.304	661618.789	788.238
SS	2650	1.460	72°05'37"	91°17'57"	29.656	SS	0.000	0.000	5489753.888	661644.851	787.616
SS	2651	1.460	146°22'05"	88°55'19"	82.857	SS	0.000	0.000	5489675.797	661662.522	789.847
SS	2652	1.460	104°53'15"	88°47'42"	82.576	SS	0.000	0.000	5489723.562	661696.427	790.025
SS	2653	1.460	243°23'08"	89°42'18"	60.273	SS	0.000	0.000	5489717.772	661562.754	788.599
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Store Pt Type	Pt Num	North	East	Elev	Desc						
SP	2651	5489675.797	661662.522	789.847	HUB						
SP	2652	5489723.562	661696.426	790.025	HUB						
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2172	2125		89°04'29"	1.685							
Note	--Orientation Notes										
Note	-- Observed Values: HA 89°04'29" VA 90°54'25" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 809.126m										
Note	-- BS Elevation Error: -0.868m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2654	1.460	75°53'59"	90°19'48"	302.715	HUB	0.000	0.000	5489825.124	659119.024	812.395
SS	2655	1.460	142°48'19"	87°24'00"	240.013	HUB	0.000	0.000	5489560.383	658970.379	825.026
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	- BS Pt	BS Azm	BS Read	Inst Ht							
2651	1243		326°22'05"	1.345							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation Notes										
Note	-- Observed Values: HA 326°22'05" VA 91°17'48" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 787.857m										
Note	-- BS Elevation Error: -0.246m.										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2656	1.460	281°12'45"	91°12'25"	57.493	SS	0.000	0.000	5489686.974	661606.139	788.521
SS	2657	1.460	265°39'26"	91°04'18"	56.859	SS	0.000	0.000	5489671.493	661605.837	788.669
SS	2658	1.460	266°44'49"	91°56'17"	40.381	SS	0.000	0.000	5489673.507	661622.229	788.367
SS	2659	1.460	285°44'04"	92°56'08"	28.465	SS	0.000	0.000	5489683.506	661635.160	788.275
SS	2660	1.460	295°43'45"	91°29'38"	44.389	SS	0.000	0.000	5489695.061	661622.547	788.575
SS	2661	1.460	286°29'13"	91°57'04"	62.051	SS	0.000	0.000	5489693.397	661603.057	787.620
SS	2662	1.460	284°63'28"	90°53'02"	76.372	SS	0.000	0.000	5489695.421	661588.724	788.554
SS	2663	1.460	285°21'31"	90°30'38"	93.526	SS	0.000	0.000	5489708.568	661572.346	788.899
SS	2664	1.460	280°02'54"	90°52'13"	75.962	SS	0.000	0.000	5489689.050	661587.734	788.579
SS	2665	1.460	270°15'12"	91°00'06"	61.379	SS	0.000	0.000	5489676.069	661601.153	788.659
SS	2666	1.460	301°32'15"	96°20'45"	18.143	SS	0.000	0.000	5489685.229	661647.154	787.727
SS	2667	1.460	355°03'56"	94°30'14"	22.782	SS	0.000	0.000	5489698.425	661660.568	787.943
SS	2668	1.460	47°49'09"	91°45'26"	8.851	SS	0.000	0.000	5489681.738	661669.078	789.461
SS	2669	1.460	83°24'13"	90°14'43"	25.852	SS	0.000	0.000	5489678.767	661688.203	789.622
SS	2670	1.460	104°01'21"	90°53'22"	18.347	SS	0.000	0.000	5489671.352	661680.321	789.448
SS	2671	1.460	84°58'25"	90°32'48"	41.936	SS	0.000	0.000	5489679.471	661704.296	789.332
SS	2672	1.460	83°53'54"	90°29'13"	55.210	SS	0.000	0.000	5489681.666	661717.417	789.263
SS	2673	1.460	69°15'21"	90°40'02"	36.542	SS	0.000	0.000	5489688.740	661696.693	789.307
SS	2674	1.460	56°40'09"	91°06'03"	28.144	SS	0.000	0.000	5489691.259	661686.032	789.192
SS	2675	1.460	56°53'29"	90°54'04"	36.980	SS	0.000	0.000	5489695.994	661693.494	789.151
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2652	1243		284°53'15"	1.190							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation Notes										
Note	-- Observed Values: HA 284°53'15" VA 91°32'36" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 787.531m										
Note	-- BS Elevation Error: -0.573m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2676	1.460	46°04'46"	93°43'33"	9.908	SS	0.000	0.000	5489730.420	661703.548	789.111
SS	2677	1.460	38°29'05"	91°35'27"	25.908	SS	0.000	0.000	5489744.384	661711.826	789.036
SS	2678	1.460	41°18'01"	91°07'09"	42.338	SS	0.000	0.000	5489755.363	661724.365	788.928
SS	2679	1.460	52°11'54"	90°57'40"	55.789	SS	0.000	0.000	5489757.752	661740.501	788.819
SS	2680	1.460	51°54'41"	91°11'20"	39.810	SS	0.000	0.000	5489748.114	661727.752	788.929
SS	2681	1.460	58°20'29"	91°53'27"	24.832	SS	0.000	0.000	5489736.588	661717.552	788.936
SS	2682	1.460	102°27'46"	91°56'38"	10.447	SS	0.000	0.000	5489721.308	661706.622	789.401
SS	2683	1.460	170°16'42"	91°26'25"	16.666	SS	0.000	0.000	5489707.140	661699.240	789.336
SS	2684	1.460	185°32'55"	91°22'53"	29.272	SS	0.000	0.000	5489694.436	661693.592	789.040
SS	2685	1.460	179°28'32"	90°22'08"	44.673	SS	0.000	0.000	5489678.892	661696.835	789.467
SS	2686	1.460	152°35'40"	90°30'50"	47.907	SS	0.000	0.000	5489681.033	661718.477	789.325
SS	2687	1.460	143°19'09"	90°27'29"	46.272	SS	0.000	0.000	5489686.454	661724.060	789.386
SS	2688	1.460	133°58'44"	90°52'31"	53.363	SS	0.000	0.000	5489686.511	661734.822	788.940
SS	2689	1.460	116°29'21"	90°32'38"	38.527	SS	0.000	0.000	5489706.378	661730.907	789.389
SS	2690	1.460	99°42'30"	91°07'23"	27.950	SS	0.000	0.000	5489718.849	661723.971	789.207
SS	2691	1.460	122°38'03"	90°52'52"	22.081	SS	0.000	0.000	5489711.655	661715.020	789.415
SS	2692	1.460	143°41'06"	91°20'45"	21.394	SS	0.000	0.000	5489706.328	661709.092	789.252
SS	2693	1.460	97°57'09"	91°22'03"	35.400	SS	0.000	0.000	5489718.666	661731.476	788.910
SS	2694	1.460	114°40'20"	90°26'48"	45.520	SS	0.000	0.000	5489704.561	661737.790	789.400
SS	2695	1.460	112°36'22"	90°21'14"	61.911	SS	0.000	0.000	5489689.764	661753.580	789.373
SS	2696	1.460	113°01'02"	90°34'55"	73.737	SS	0.000	0.000	5489694.731	661764.290	789.006
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
2591	2429		304°40'49"	1.640							
Note	-Orientation Notes										
Note	- Observed Values: HA 304°40'49" VA 92°41'34" HR 1.460m										
Note	- Observed Reference: Point										
Note	- BS Elevation: 785.610m										
Note	- BS Elevation Error: -1.220m										
Note	-EDM Mode: IR Fine										
Note	-Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2697	1.460	216°37'41"	90°02'40"	93.685	SS	0.000	0.000	5489766.010	661734.998	788.578
SS	2698	1.460	216°27'27"	90°05'28"	73.746	SS	0.000	0.000	5489781.880	661747.070	788.533
SS	2699	1.460	216°11'58"	90°10'14"	56.566	SS	0.000	0.000	5489795.547	661757.485	788.482
SS	2700	1.460	216°25'31"	90°48'38"	37.704	SS	0.000	0.000	5489810.860	661768.507	788.117
SS	2701	1.460	215°32'43"	91°16'44"	17.521	SS	0.000	0.000	5489826.941	661780.709	788.260
SS	2702	1.460	40°19'40"	90°45'42"	19.521	SS	0.000	0.000	5489856.075	661803.524	788.391
SS	2703	1.460	54°17'51"	90°59'48"	40.325	SS	0.000	0.000	5489864.724	661823.634	787.949
SS	2704	1.460	64°17'44"	90°39'09"	33.856	SS	0.000	0.000	5489855.878	661821.396	788.265
SS	2705	1.460	70°04'22"	90°58'20"	19.254	SS	0.000	0.000	5489847.756	661808.991	788.324
SS	2706	1.460	131°17'14"	91°52'08"	9.066	SS	0.000	0.000	5489835.215	661707.701	788.355
SS	2707	1.460	191°41'52"	91°09'08"	24.600	SS	0.000	0.000	5489817.110	661785.906	788.156
SS	2708	1.460	202°07'41"	90°11'10"	43.222	SS	0.000	0.000	5489796.524	661772.728	788.494
SS	2709	1.460	206°32'17"	90°21'45"	69.885	SS	0.000	0.000	5489778.674	661759.669	788.209
SS	2710	1.460	206°43'32"	90°18'26"	92.851	SS	0.000	0.000	5489758.264	661749.136	788.153
SS	2711	1.460	206°03'00"	90°06'35"	109.361	SS	0.000	0.000	5489742.946	661742.862	788.441
SS	2712	1.460	194°56'14"	90°14'27"	93.261	SS	0.000	0.000	5489751.085	661766.854	788.259
SS	2713	1.460	190°18'39"	90°30'20"	75.511	SS	0.000	0.000	5489766.906	661777.377	787.984
SS	2714	1.460	184°37'47"	90°35'13"	57.273	SS	0.000	0.000	5489784.111	661786.276	788.064
SS	2715	1.460	173°43'30"	90°31'14"	40.525	SS	0.000	0.000	5489800.914	661785.322	788.283
SS	2716	1.460	149°14'19"	90°46'00"	39.578	SS	0.000	0.000	5489807.188	661811.133	788.121
SS	2717	1.460	120°13'40"	91°02'26"	36.023	SS	0.000	0.000	5489823.062	661822.012	787.997
SS	2718	1.460	160°24'15"	90°20'20"	46.735	HUB	0.000	0.000	5489797.167	661806.566	788.374
Note	-FieldGenius v4.2.0 (2009-12-09)										
Note	-Instrument Selected: Total Station, Profile: topocon, Model: Non-Robotic										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2718	2591		340°24'15"	1.625							
Note	--Orientation Notes										
Note	-- Observed Values: HA 340°24'15" VA 91°11'44" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 787.564m										
Note	-- BS Elevation Error: -0.907m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2719	1.460	36°13'52"	91°05'20"	43.632	SS	0.000	0.000	5489832.356	661832.350	787.710
SS	2720	1.460	38°10'20"	90°48'35"	62.914	SS	0.000	0.000	5489846.622	661845.445	787.650
SS	2721	1.460	38°53'23"	90°38'13"	77.751	SS	0.000	0.000	5489857.681	661855.377	787.675
SS	2722	1.460	52°46'43"	90°41'45"	73.001	SS	0.000	0.000	5489841.322	661864.693	787.653
SS	2723	1.460	56°45'14"	90°32'09"	49.355	SS	0.000	0.000	5489824.224	661847.841	788.078
SS	2724	1.460	67°17'33"	90°35'09"	27.083	SS	0.000	0.000	5489807.621	661831.549	788.262
SS	2725	1.460	106°30'51"	93°09'40"	13.704	SS	0.000	0.000	5489793.278	661819.685	787.784
SS	2726	1.460	183°47'51"	92°16'44"	17.584	SS	0.000	0.000	5489779.636	661805.403	787.840
SS	2727	1.460	203°31'03"	91°20'32"	26.859	SS	0.000	0.000	5489772.546	661795.852	787.910
SS	2728	1.460	211°36'17"	90°44'53"	42.614	SS	0.000	0.000	5489760.876	661784.236	787.983
SS	2729	1.460	213°20'52"	90°01'58"	62.208	SS	0.000	0.000	5489745.201	661772.369	788.504
SS	2730	1.460	211°40'48"	90°03'37"	76.762	SS	0.000	0.000	5489781.843	661796.253	788.490
SS	2731	1.460	191°47'11"	90°08'38"	59.630	SS	0.000	0.000	5489738.795	661784.386	788.390
SS	2732	1.460	173°05'10"	90°22'32"	47.303	SS	0.000	0.000	5489750.208	661812.260	788.229
SS	2733	1.460	145°22'01"	91°09'06"	42.870	SS	0.000	0.000	5489781.900	661830.925	787.678
SS	2734	1.460	120°15'11"	90°55'14"	47.268	SS	0.000	0.000	5489773.355	661847.392	787.780
SS	2735	1.460	102°51'14"	90°50'36"	60.171	SS	0.000	0.000	5489768.783	661865.223	787.654
SS	2736	1.460	93°15'09"	91°03'00"	69.723	SS	0.000	0.000	5489793.212	661876.166	787.262
SS	2737	1.460	81°20'19"	90°55'09"	61.341	SS	0.000	0.000	5489806.403	661867.200	787.555
SS	2738	1.460	98°58'22"	90°53'20"	68.421	SS	0.000	0.000	5489786.497	661874.142	787.478
SS	2739	1.460	118°43'46"	90°50'15"	65.713	SS	0.000	0.000	5489788.584	661864.184	787.579
SS	2740	1.460	138°56'12"	90°38'08"	55.765	SS	0.000	0.000	5489755.124	661843.195	787.921

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2741	1.460	165°47'02"	90°41'48"	56.315	SS	0.000	0.000	5489742.581	661820.395	787.855
SS	2742	1.460	184°13'26"	90°29'41"	61.946	SS	0.000	0.000	5489735.391	661802.004	788.004
SS	2743	1.460	183°59'55"	90°15'15"	78.131	SS	0.000	0.000	5489719.227	661801.118	788.193
SS	2744	1.460	169°17'31"	90°10'03"	76.362	SS	0.000	0.000	5489722.135	661820.755	788.316
SS	2745	1.460	158°15'38"	90°15'01"	77.322	SS	0.000	0.000	5489725.345	661835.204	788.202
SS	2746	1.460	145°56'39"	90°24'37"	76.602	SS	0.000	0.000	5489733.704	661849.462	787.991
SS	2747	1.460	169°54'42"	90°08'53"	73.649	HUB	0.000	0.000	5489724.657	661819.467	788.349
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2747	2718		349°54'42"	1.625							
Note	--Orientation Notes										
Note	-- Observed Values: HA 349°54'42" VA 90°06'01" HR 1.460m										
Note	- Observed Reference: Point										
Note	-- BS Elevation: 788.385m										
Note	-- BS Elevation Error: 0.011m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2748	1.460	249°45'55"	89°42'16"	53.812	SS	0.000	0.000	5489706.045	661768.976	788.792
SS	2749	1.460	248°52'00"	90°16'18"	34.718	SS	0.000	0.000	5489712.140	661787.084	788.349
SS	2750	1.460	248°04'00"	91°03'08"	16.465	SS	0.000	0.000	5489718.508	661804.196	788.212
SS	2751	1.460	213°88'39"	90°12'29"	23.270	SS	0.000	0.000	5489705.285	661806.575	788.430
SS	2752	1.460	155°10'14"	90°19'26"	15.229	SS	0.000	0.000	5489710.836	661825.862	788.428
SS	2753	1.460	117°00'16"	90°27'13"	26.879	SS	0.000	0.000	5489712.453	661843.414	788.301
SS	2754	1.460	110°45'23"	90°30'38"	42.838	SS	0.000	0.000	5489709.476	661859.523	788.132
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2320	2259		83°50'47"	1.605							
Note	--Orientation Notes										
Note	-- Observed Values: HA 83°50'47" VA 91°22'47" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 786.172m										
Note	-- BS Elevation Error: -0.638m										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2755	1.460	13°02'15"	90°24'52"	48.806	SS	0.000	0.000	5489753.643	661930.210	787.890
Note	--FieldGenius v4.2.0 (2009-12-09)										
Note	--Instrument Selected: Total Station, Profile: topcon, Model: Non-Robotic										
Note	--Orientation										
Occupied Pt	BS Pt	BS Azm	BS Read	Inst Ht							
2320	2259		83°50'47"	1.605							
Note	--Orientation Notes										
Note	-- Observed Values: HA 83°50'47" VA 91°22'39" HR 1.460m										
Note	-- Observed Reference: Point										
Note	-- BS Elevation: 786.176m										
Note	- BS Elevation Error: -0.635m										
Note	--EDM Mode: IR Fine										
Note	--Application Prism: 0.0mm Instrument Prism: Unknown										
Shot Type	Shot Pt	Targ Ht	Hz Ang	Vt Ang	Slp Dist	Desc	Par Off	Perp Off	North	East	Elev
SS	2756	1.460	351°40'24"	89°41'30"	19.298	SS	0.000	0.000	5489725.191	661916.406	788.347
SS	2757	1.460	353°32'44"	90°34'07"	41.902	SS	0.000	0.000	5489747.731	661914.490	787.828
SS	2758	1.460	354°26'54"	91°10'52"	58.647	SS	0.000	0.000	5489764.456	661913.528	787.035
SS	2759	1.460	343°43'04"	89°45'24"	47.367	HUB	0.000	0.000	5489751.564	661905.920	788.445
SS	2760	1.460	344°56'50"	90°49'59"	64.712	SS	0.000	0.000	5489768.582	661902.396	787.303
SS	2761	1.460	328°47'25"	90°42'15"	68.711	SS	0.000	0.000	5489764.859	661883.599	787.399
SS	2762	1.460	320°52'26"	90°31'30"	42.817	SS	0.000	0.000	5489739.311	661892.183	787.851
SS	2763	1.460	301°26'30"	89°35'34"	27.938	SS	0.000	0.000	5489720.669	661895.365	788.442
SS	2764	1.460	266°05'29"	89°32'36"	20.338	SS	0.000	0.000	5489704.710	661898.911	788.406
SS	2765	1.460	271°34'45"	89°42'52"	38.155	SS	0.000	0.000	5489707.148	661881.061	788.434

Job Desc	Crew	Inst Num	Temp	Pressure	Start Date						
SS	2766	1.460	292°15'31"	90°14'19"	43.105	SS	0.000	0.000	5489722.424	661879.308	788.064
SS	2767	1.460	278°02'01"	90°11'50"	53.076	SS	0.000	0.000	5489713.514	661866.645	788.061
SS	2768	1.460	278°39'57"	90°01'11"	68.414	SS	0.000	0.000	5489716.405	661851.568	788.220