

Observation ID	Backsight	Occupied Pt	Foresight	H. Angle	V. Angle	H. Distance	V. Distance	H.I.	H.T.	Prism Type
T41	1000	1002	1000	0°00'00"	Z87°20'20.4"	427.325	20.114	5.17	4.92	Custom prism
T42	1000	1002	1000	0°00'00"	Z272°39'13.9"	427.317	20.061	5.17	4.92	Custom prism
T43	1000	1002	1004	193°19'44"	Z98°44'02.1"	37.608	-0.608	5.17	0.00	Direct Reflex (DR)
T44	1000	1002	1005	225°13'59"	Z92°41'32.6"	37.445	3.409	5.17	0.00	Direct Reflex (DR)
T45	1000	1002	1006	225°48'07"	Z91°11'22.6"	37.488	4.392	5.17	0.00	Direct Reflex (DR)
T46	1000	1002	1007	359°59'52"	Z87°20'10.6"	427.325	20.135	5.17	4.92	Custom prism
T47	1037	1035	1037	0°00'00"	Z96°28'08.5"	52.082	-7.641	5.19	6.93	Custom prism
T48	1037	1035	1037	0°00'00"	Z263°31'34.1"	52.083	-7.646	5.19	6.93	Custom prism
T49	1037	1035	1039	300°37'48"	Z119°31'42.1"	48.782	-22.441	5.19	0.00	Direct Reflex (DR)
T50	1037	1035	1039	300°37'50"	Z240°28'03.9"	48.782	-22.446	5.19	0.00	Direct Reflex (DR)
T51	1037	1035	1040	304°22'27"	Z117°17'44.2"	61.138	-26.359	5.19	0.00	Direct Reflex (DR)
T52	1037	1035	1040	304°22'36"	Z242°42'00.8"	61.145	-26.369	5.19	0.00	Direct Reflex (DR)
T53	1037	1035	1041	309°12'55"	Z119°27'52.9"	56.86	-26.933	5.19	0.00	Direct Reflex (DR)
T54	1037	1035	1041	309°12'46"	Z240°31'53.6"	56.855	-26.935	5.19	0.00	Direct Reflex (DR)
T55	1037	1035	1042	312°27'23"	Z109°07'07.9"	42.958	-9.701	5.19	0.00	Direct Reflex (DR)
T56	1037	1035	1042	312°27'34"	Z250°52'36.7"	42.982	-9.713	5.19	0.00	Direct Reflex (DR)
T57	1037	1035	1043	0°00'10"	Z96°28'09.2"	52.085	-7.642	5.19	6.93	Custom prism
T58	1037	1035	1043	0°00'01"	Z263°31'35.5"	52.083	-7.645	5.19	6.93	Custom prism
T59	1051	1048	1051	0°00'00"	Z89°45'37.4"	76.551	-1.806	4.80	6.93	Custom prism
T60	1051	1048	1051	0°00'00"	Z270°14'10.1"	76.552	-1.81	4.80	6.93	Custom prism
T61	1051	1048	1053	222°41'19"	Z93°00'35.0"	24.619	-1.164	4.80	4.67	Custom prism
T62	1051	1048	1053	222°41'21"	Z266°59'24.0"	24.615	-1.164	4.80	4.67	Custom prism
T63	1051	1048	1053	222°41'20"	Z93°00'35.4"	24.617	-1.164	4.80	4.67	Custom prism
T64	1051	1048	1053	222°41'20"	Z266°59'24.4"	24.616	-1.164	4.80	4.67	Custom prism
T65	1051	1048	1053	222°41'19"	Z93°00'35.3"	24.611	-1.164	4.80	4.67	Custom prism
T66	1051	1048	1053	222°41'21"	Z266°59'25.2"	24.611	-1.164	4.80	4.67	Custom prism
T67	1051	1048	1051	0°00'00"	Z89°45'29.0"	76.553	-1.802	4.80	6.93	Custom prism
T68	1051	1048	1054	0°00'00"	Z89°45'36.8"	76.554	-1.805	4.80	6.93	Custom prism
T69	1048	1053	1048	0°00'00"	Z88°55'37.6"	24.616	1.171	5.26	4.55	Custom prism
T70	1048	1053	1048	0°00'00"	Z271°03'52.7"	24.615	1.167	5.26	4.55	Custom prism
T71	1048	1053	1055	170°27'36"	Z122°38'30.4"	29.921	-13.906	5.26	0.00	Direct Reflex (DR)
T72	1048	1053	1055	170°27'26"	Z237°21'28.2"	29.91	-13.899	5.26	0.00	Direct Reflex (DR)
T73	1048	1053	1056	359°59'41"	Z88°55'40.9"	24.614	1.171	5.26	4.55	Custom prism
T74	1048	1051	1048	0°00'00"	Z88°55'52.7"	76.565	1.818	4.94	4.55	Custom prism
T75	1048	1051	1048	0°00'00"	Z271°03'37.1"	76.566	1.807	4.94	4.55	Custom prism
T76	1048	1051	1057	0°00'08"	Z88°55'47.4"	76.563	1.82	4.94	4.55	Custom prism

Observation ID	Backsight	Occupied Pt	Foresight	H. Angle	V. Angle	H. Distance	V. Distance	H.I.	H.T.	Prism Type
T77	1048	1051	1058	6°10'05"	Z88°51'58.2"	76.956	-0.537	4.94	7.00	Custom prism
T78	1048	1051	1058	6°09'49"	Z271°07'30.6"	76.95	-0.549	4.94	7.00	Custom prism
T79	1048	1051	1059	0°00'09"	Z88°55'45.7"	76.566	1.821	4.94	4.55	Custom prism
T80	1048	1051	1059	359°59'59"	Z271°03'37.6"	76.564	1.807	4.94	4.55	Custom prism
T81	1214	1212	1214	0°00'00"	Z92°36'55.4"	178.502	-8.786	5.23	5.86	Custom prism
T82	1214	1212	1214	0°00'00"	Z267°22'58.0"	178.509	-8.792	5.23	5.86	Custom prism
T83	1214	1212	1216	0°00'14"	Z92°36'49.8"	178.502	-8.781	5.23	5.86	Custom prism
T84	1214	1212	1216	0°00'07"	Z267°23'00.4"	178.504	-8.79	5.23	5.86	Custom prism
T85	1214	1212	1217	109°06'22"	Z116°58'16.9"	24.192	-7.082	5.23	0.00	Direct Reflex (DR)
T86	1214	1212	1217	109°06'16"	Z243°01'41.8"	24.18	-7.076	5.23	0.00	Direct Reflex (DR)
T87	1214	1212	1218	112°23'52"	Z116°59'41.9"	35.199	-12.701	5.23	0.00	Direct Reflex (DR)
T88	1214	1212	1218	112°23'47"	Z243°00'18.6"	35.205	-12.704	5.23	0.00	Direct Reflex (DR)
T89	1214	1212	1214	0°00'00"	Z92°37'00.1"	178.504	-8.79	5.23	5.86	Custom prism
T90	1214	1212	1219	0°00'00"	Z92°37'04.1"	178.5	-8.794	5.23	5.86	Custom prism
T91	1214	1212	1219	0°00'11"	Z267°22'54.1"	178.506	-8.796	5.23	5.86	Custom prism
T92	1210	1208	1210	0°00'00"	Z88°34'01.5"	87.806	1.566	4.81	5.44	Custom prism
T93	1210	1208	1210	0°00'00"	Z271°25'37.2"	87.805	1.557	4.81	5.44	Custom prism
T94	1210	1208	1220	0°00'08"	Z88°34'10.9"	87.808	1.562	4.81	5.44	Custom prism
T95	1210	1208	1220	0°00'04"	Z271°25'50.6"	87.807	1.563	4.81	5.44	Custom prism
T96	1210	1208	1221	35°47'41"	Z98°18'42.8"	8.292	3.598	4.81	0.00	Direct Reflex (DR)
T97	1210	1208	1221	35°47'38"	Z261°41'18.1"	8.285	3.599	4.81	0.00	Direct Reflex (DR)
T98	1210	1208	1222	75°09'42"	Z118°38'50.3"	9.34	-0.293	4.81	0.00	Direct Reflex (DR)
T99	1210	1208	1222	75°09'36"	Z241°21'09.3"	9.321	-0.282	4.81	0.00	Direct Reflex (DR)
T100	1210	1208	1223	146°32'14"	Z110°22'27.8"	40.128	-10.093	4.81	0.00	Direct Reflex (DR)
T101	1210	1208	1223	146°32'10"	Z249°37'09.3"	40.153	-10.108	4.81	0.00	Direct Reflex (DR)
T102	1210	1208	1224	176°39'15"	Z101°51'45.2"	62.934	-8.41	4.81	0.00	Direct Reflex (DR)
T103	1210	1208	1224	176°39'11"	Z258°07'59.9"	62.826	-8.392	4.81	0.00	Direct Reflex (DR)
T104	1210	1208	1225	0°00'06"	Z88°34'06.2"	87.809	1.564	4.81	5.44	Custom prism
T105	1210	1208	1225	0°00'01"	Z271°25'39.4"	87.808	1.558	4.81	5.44	Custom prism
T106	1210	1208	TEST1	351°38'19"	Z89°48'14.6"	92.373	-0.314	4.81	5.44	Custom prism
T107	1210	1208	TEST1	351°38'09"	Z270°11'46.3"	92.378	-0.314	4.81	5.44	Custom prism
T108	1210	1208	TEST1	351°38'19"	Z89°48'15.5"	92.375	-0.315	4.81	5.44	Custom prism
T109	1210	1208	TEST1	351°38'10"	Z270°11'44.0"	92.374	-0.315	4.81	5.44	Custom prism
T110	1210	1208	TEST1	351°38'18"	Z89°48'15.5"	92.375	-0.315	4.81	5.44	Custom prism
T111	1210	1208	TEST1	351°38'09"	Z270°11'47.1"	92.375	-0.313	4.81	5.44	Custom prism
T112	1123	1121	1123	0°00'00"	Z89°47'26.1"	66.223	1.552	5.40	4.09	Custom prism

Observation ID	Backsight	Occupied Pt	Foresight	H. Angle	V. Angle	H. Distance	V. Distance	H.I.	H.T.	Prism Type
T113	1123	1121	1123	0°00'00"	Z270°12'20.4"	66.223	1.548	5.40	4.09	Custom prism
T114	1123	1121	1125	170°19'32"	Z115°26'31.3"	18.953	-3.617	5.40	0.00	Direct Reflex (DR)
T115	1123	1121	1125	170°19'29"	Z244°33'29.5"	18.934	-3.607	5.40	0.00	Direct Reflex (DR)
T116	1123	1121	1126	160°50'09"	Z117°15'43.0"	23.269	-6.591	5.40	0.00	Direct Reflex (DR)
T117	1123	1121	1126	160°50'08"	Z242°44'20.6"	23.259	-6.585	5.40	0.00	Direct Reflex (DR)
T118	1123	1121	1127	159°49'01"	Z122°27'58.9"	26.739	-11.612	5.40	0.00	Direct Reflex (DR)
T119	1123	1121	1127	159°49'02"	Z237°32'01.7"	26.768	-11.631	5.40	0.00	Direct Reflex (DR)
T120	1123	1121	1128	0°00'04"	Z89°47'18.6"	66.223	1.555	5.40	4.09	Custom prism
T121	1123	1121	1128	0°00'01"	Z270°12'26.0"	66.225	1.55	5.40	4.09	Custom prism
T122	1131	1133	1131	0°00'00"	Z90°20'39.7"	91.501	-0.1	4.84	4.39	Custom prism
T123	1131	1133	1131	0°00'00"	Z269°38'58.0"	91.504	-0.11	4.84	4.39	Custom prism
T124	1131	1133	1135	110°04'47"	Z109°49'35.2"	29.726	-5.878	4.84	0.00	Direct Reflex (DR)
T125	1131	1133	1136	101°04'25"	Z105°08'12.8"	62.183	-11.981	4.84	0.00	Direct Reflex (DR)
T126	1131	1133	1136	101°04'24"	Z254°51'28.7"	62.177	-11.986	4.84	0.00	Direct Reflex (DR)
T127	1131	1133	1137	0°00'01"	Z90°20'34.8"	91.504	-0.098	4.84	4.39	Custom prism
T128	1131	1133	1137	0°00'03"	Z269°38'59.0"	91.503	-0.109	4.84	4.39	Custom prism
T139	1157	1159	1157	0°00'00"	Z93°15'30.7"	169.51	-10.27	5.05	5.67	Custom prism
T140	1157	1159	1157	0°00'00"	Z266°44'12.5"	169.511	-10.284	5.05	5.67	Custom prism
T141	1157	1159	1163	2°48'21"	Z105°56'04.1"	37.468	-5.647	5.05	0.00	Direct Reflex (DR)
T142	1157	1159	1163	2°48'20"	Z254°03'56.8"	37.451	-5.642	5.05	0.00	Direct Reflex (DR)
T143	1157	1159	1164	0°00'04"	Z93°15'35.4"	169.514	-10.274	5.05	5.67	Custom prism
T144	1157	1159	1164	359°59'55"	Z266°44'15.2"	169.51	-10.282	5.05	5.67	Custom prism
T145	1159	1157	1159	0°00'00"	Z86°43'41.9"	169.532	10.292	5.71	5.11	Custom prism
T146	1159	1157	1159	0°00'00"	Z273°15'53.1"	169.536	10.271	5.71	5.11	Custom prism
T147	1159	1157	1165	132°06'26"	Z97°53'09.6"	21.893	2.678	5.71	0.00	Direct Reflex (DR)
T148	1159	1157	1166	157°00'34"	Z96°27'33.8"	53.082	-0.3	5.71	0.00	Direct Reflex (DR)
T149	1159	1157	1166	157°00'30"	Z263°32'10.3"	53.049	-0.3	5.71	0.00	Direct Reflex (DR)
T150	1159	1157	1167	181°27'13"	Z100°27'55.1"	54.193	-4.3	5.71	0.00	Direct Reflex (DR)
T151	1159	1157	1167	181°27'09"	Z259°31'51.0"	54.19	-4.303	5.71	0.00	Direct Reflex (DR)
T152	1159	1157	1168	164°16'59"	Z101°09'09.3"	66.232	-7.347	5.71	0.00	Direct Reflex (DR)
T153	1159	1157	1168	164°16'55"	Z258°50'32.2"	66.207	-7.348	5.71	0.00	Direct Reflex (DR)
T154	1159	1157	1169	0°00'10"	Z86°43'43.1"	169.531	10.291	5.71	5.11	Custom prism
T155	1159	1157	1169	0°00'00"	Z273°15'50.9"	169.536	10.269	5.71	5.11	Custom prism
T156	1179	1182	1179	0°00'00"	Z87°17'47.8"	34.842	2.015	4.89	4.52	Custom prism
T157	1179	1182	1179	0°00'00"	Z272°41'54.5"	34.843	2.012	4.89	4.52	Custom prism
T158	1179	1182	1184	274°37'00"	Z112°40'17.9"	22.539	-4.525	4.89	0.00	Direct Reflex (DR)

Observation ID	Backsight	Occupied Pt	Foresight	H. Angle	V. Angle	H. Distance	V. Distance	H.I.	H.T.	Prism Type
T159	1179	1182	1184	274°36'52"	Z247°19'42.4"	22.541	-4.526	4.89	0.00	Direct Reflex (DR)
T160	1179	1182	1185	0°00'23"	Z87°17'42.8"	34.84	2.016	4.89	4.52	Custom prism
T161	1179	1182	1185	0°00'07"	Z272°42'02.7"	34.842	2.014	4.89	4.52	Custom prism
T179	106	1140	106	0°00'00"	Z91°47'52.4"	53.805	-1.539	5.14	4.99	Custom prism
T180	106	1140	106	0°00'00"	Z268°11'55.7"	53.805	-1.542	5.14	4.99	Custom prism
T181	106	1140	1146	339°16'46"	Z98°46'34.2"	58.92	-3.956	5.14	0.00	Direct Reflex (DR)
T182	106	1140	1146	339°16'43"	Z261°13'24.0"	58.917	-3.956	5.14	0.00	Direct Reflex (DR)
T183	106	1140	1147	325°36'08"	Z100°24'48.6"	65.913	-6.973	5.14	0.00	Direct Reflex (DR)
T184	106	1140	1147	325°36'01"	Z259°34'53.3"	65.927	-6.982	5.14	0.00	Direct Reflex (DR)
T185	106	1140	1148	307°58'24"	Z99°02'24.7"	107.406	-11.948	5.14	0.00	Direct Reflex (DR)
T186	106	1140	1148	307°58'20"	Z260°57'17.6"	107.427	-11.961	5.14	0.00	Direct Reflex (DR)
T187	106	1140	1149	359°59'59"	Z91°47'57.8"	53.803	-1.54	5.14	4.99	Custom prism
T188	106	1140	1149	359°59'56"	Z268°11'55.2"	53.801	-1.542	5.14	4.99	Custom prism

Project Information		Coordinate System	
Name:	O:\SJRRP Staff Gage Survey 2011\SJRRP-GCN-TBC\SJRRP - RTKandCONVdata.vce	Name:	US State Plane 1983
Size:	1 MB	Datum:	NAD 1983 (Conus)
Modified:	2/8/2012 1:26:31 PM (UTC:-8)	Zone:	California Zone 4 0404
Time zone:	Pacific Standard Time	Geoid:	GEOID03 (Conus)
Reference number:		Vertical datum:	
Description:			

Mean Angle Report

Point ID: 1000 Station: 1002 Backsight: 1000									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1002-1000 (T41)		275°47'17"	275°47'17" (T41)	0°00'00"	0°00'00"	87°20'20"	0°00'00"	427.789 ft	0.005 ft
1002-1000 (T42)		95°47'23"	95°47'23" (T42)	0°00'00"	0°00'00"	272°39'14"	0°00'00"	427.779 ft	-0.005 ft
Results									
1000-1002-1000 (M15)				0°00'00"		87°20'33"		427.784 ft	

Point ID: 1037 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual

1035-1037 (T47)		222°23'13"	222°23'13" (T47)	0°00'00"	0°00'00"	96°28'09"	0°00'00"	52.416 ft	-0.001 ft
1035-1037 (T48)		42°23'33"	42°23'33" (T48)	0°00'00"	0°00'00"	263° 31'34"	0°00'00"	52.417 ft	0.001 ft
Results									
1037-1035-1037 (M16)				0°00'00"		96°28'17"		52.417 ft	

Point ID: 1039 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1035-1039 (T49)		163°01'01"	222°23'13" (T47)	300°37'48"	0°00'00"	119° 31'42"	0°00'00"	56.064 ft	-0.001 ft
1035-1039 (T50)		343°01'23"	42°23'33" (T48)	300°37'50"	0°00'00"	240° 28'04"	0°00'00"	56.066 ft	0.001 ft
Results									
1037-1035-1039 (M17)				300°37'49"		119° 31'49"		56.065 ft	

Point ID: 1040 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1035-1040 (T51)		166°45'41"	222°23'13" (T47)	304°22'27"	0°00'00"	117° 17'44"	0°00'00"	68.798 ft	-0.005 ft
1035-1040 (T52)		346°46'08"	42°23'33" (T48)	304°22'36"	0°00'00"	242° 42'01"	0°00'00"	68.809 ft	0.005 ft
Results									
1037-1035-1040 (M18)				304°22'31"		117° 17'52"		68.804 ft	

Point ID: 1041 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1035-1041 (T53)		171°36'08"	222°23'13" (T47)	309°12'55"	0°00'00"	119° 27'53"	0°00'00"	65.307 ft	0.002 ft
1035-1041 (T54)		351°36'19"	42°23'33" (T48)	309°12'46"	0°00'00"	240° 31'54"	0°00'00"	65.304 ft	-0.002 ft
Results									
1037-1035-1041 (M19)				309°12'50"		119° 28'00"		65.305 ft	

Point ID: 1042 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1035-1042 (T55)		174°50'37"	222°23'13" (T47)	312°27'23"	0°00'00"	109° 07'08"	0°00'00"	45.466 ft	-0.014 ft
1035-1042 (T56)		354°51'07"	42°23'33" (T48)	312°27'34"	0°00'00"	250° 52'37"	0°00'00"	45.493 ft	0.014 ft
Results									
1037-1035-1042 (M20)				312°27'29"		109° 07'16"		45.479 ft	

Point ID: 1043 Station: 1035 Backsight: 1037									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1035-1043 (T57)		222°23'23"	222°23'13" (T47)	0°00'10"	0°00'00"	96°28'09"	0°00'00"	52.419 ft	0.001 ft
1035-1043 (T58)		42°23'34"	42°23'33" (T48)	0°00'01"	0°00'00"	263° 31'36"	0°00'00"	52.417 ft	-0.001 ft

Results									
1037-1035-1043 (M21)				0°00'05"		96°28'17"		52.418 ft	

Point ID: 1051 Station: 1048 Backsight: 1051									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1048-1051 (T59)		159°51'25"	159°51'25" (T59)	0°00'00"	0°00'00"	89°45'37"	0°00'00"	76.552 ft	-0.001 ft
1048-1051 (T60)		339°51'25"	339°51'25" (T60)	0°00'00"	0°00'00"	270° 14'10"	0°00'00"	76.553 ft	0.001 ft
Results									
1051-1048-1051 (M22)				0°00'00"		89°45'44"		76.553 ft	

Point ID: 1053 Station: 1048 Backsight: 1051									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1048-1053 (T61)	1	22°32'45"	159°51'25" (T59)	222°41'19"	0°00'00"	93°00'35"	0°00'00"	24.653 ft	0.004 ft
1048-1053 (T62)	1	202°32'46"	339°51'25" (T60)	222°41'21"	0°00'00"	266° 59'24"	0°00'00"	24.650 ft	0.000 ft
1048-1053 (T63)	2	22°32'45"	159°51'25" (T59)	222°41'20"	-0°00'00"	93°00'35"	0°00'00"	24.651 ft	0.002 ft
1048-1053 (T64)	2	202°32'45"	339°51'25" (T60)	222°41'20"	-0°00'00"	266° 59'24"	0°00'00"	24.650 ft	0.001 ft
1048-1053 (T65)	3	22°32'45"	159°51'25" (T59)	222°41'19"	0°00'00"	93°00'35"	-0°00'00"	24.646 ft	-0.003 ft
1048-1053	3	202°32'45"	339°51'25" (T60)	222°41'21"	0°00'00"	266°	-0°00'00"	24.645 ft	-0.004 ft

(T66)					59'25"			
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Results

1051-1048-1053 (M23)		222°41'20"		93°00'35"		24.649 ft	
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Point ID: 1048 Station: 1053 Backsight: 1048

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1053-1048 (T69)		202°32'45"	202°32'45" (T69)	0°00'00"	0°00'00"	88°55'38"	0°00'00"	24.621 ft	0.000 ft
✕ 1053-1048 (T70)		22°33'06"	22°33'06" (T70)	0°00'00"	0°00'00"	271°03'53"	0°00'00"	24.620 ft	0.000 ft

Results

1048-1053-1048 (M24)			0°00'00"		88°55'52"		24.620 ft	
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Point ID: 1055 Station: 1053 Backsight: 1048

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1053-1055 (T71)		13°00'21"	202°32'45" (T69)	170°27'36"	0°00'00"	122°38'30"	0°00'00"	35.533 ft	0.007 ft
✕ 1053-1055 (T72)		193°00'32"	22°33'06" (T70)	170°27'26"	0°00'00"	237°21'28"	0°00'00"	35.520 ft	-0.007 ft

Results

1048-1053-1055 (M25)			170°27'31"		122°38'31"		35.527 ft	
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Point ID: 1048 Station: 1051 Backsight: 1048

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
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1051-1048 (T74)		339°51'25"	339°51'25" (T74)	0°00'00"	0°00'00"	88°55'53"	0°00'00"	76.579 ft	0.000 ft
1051-1048 (T75)		159°51'44"	159°51'44" (T75)	0°00'00"	0°00'00"	271° 03'37"	0°00'00"	76.580 ft	0.000 ft
Results									
1048-1051-1048 (M26)				0°00'00"		88°56'08"		76.579 ft	

Point ID: 1058 Station: 1051 Backsight: 1048									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1051-1058 (T77)		346°01'31"	339°51'25" (T74)	6°10'05"	0°00'00"	88°51'58"	0°00'00"	76.971 ft	0.003 ft
1051-1058 (T78)		166°01'33"	159°51'44" (T75)	6°09'49"	0°00'00"	271° 07'31"	0°00'00"	76.966 ft	-0.003 ft
Results									
1048-1051-1058 (M27)				6°09'57"		88°52'14"		76.968 ft	

Point ID: 1059 Station: 1051 Backsight: 1048									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1051-1059 (T79)		339°51'34"	339°51'25" (T74)	0°00'09"	-0°00'00"	88°55'46"	0°00'00"	76.579 ft	0.001 ft
1051-1059 (T80)		159°51'43"	159°51'44" (T75)	359°59'59"	0°00'00"	271° 03'38"	0°00'00"	76.577 ft	-0.001 ft
Results									
1048-1051-1059 (M28)				0°00'04"		88°56'04"		76.578 ft	

Point ID: 1214 Station: 1212 Backsight: 1214									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1212-1214 (T81)		57°34'28"	57°34'28" (T81)	0°00'00"	0°00'00"	92°36'55"	0°00'00"	178.690 ft	-0.003 ft
1212-1214 (T82)		237°34'42"	237°34'42" (T82)	0°00'00"	0°00'00"	267° 22'58"	0°00'00"	178.696 ft	0.003 ft
Results									
1214-1212-1214 (M29)				0°00'00"		92°36'59"		178.693 ft	

Point ID: 1216 Station: 1212 Backsight: 1214									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1212-1216 (T83)		57°34'42"	57°34'28" (T81)	0°00'14"	0°00'00"	92°36'50"	0°00'00"	178.689 ft	-0.001 ft
1212-1216 (T84)		237°34'49"	237°34'42" (T82)	0°00'07"	0°00'00"	267° 23'00"	0°00'00"	178.691 ft	0.001 ft
Results									
1214-1212-1216 (M30)				0°00'10"		92°36'55"		178.690 ft	

Point ID: 1217 Station: 1212 Backsight: 1214									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1212-1217 (T85)		166°40'50"	57°34'28" (T81)	109°06'22"	0°00'00"	116° 58'17"	0°00'00"	27.145 ft	0.007 ft
1212-1217 (T86)		346°40'58"	237°34'42" (T82)	109°06'16"	0°00'00"	243° 01'42"	0°00'00"	27.131 ft	-0.007 ft

Results									
1214-1212-1217 (M31)				109°06'19"		116°58'18"		27.138 ft	

Point ID: 1218 Station: 1212 Backsight: 1214									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1212-1218 (T87)		169°58'20"	57°34'28" (T81)	112°23'52"	0°00'00"	116°59'42"	0°00'00"	39.503 ft	-0.004 ft
1212-1218 (T88)		349°58'29"	237°34'42" (T82)	112°23'47"	0°00'00"	243°00'19"	0°00'00"	39.510 ft	0.004 ft

Results									
1214-1212-1218 (M32)				112°23'49"		116°59'42"		39.507 ft	

Point ID: 1219 Station: 1212 Backsight: 1214									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1212-1219 (T90)		57°34'28"	57°34'28" (T89)	0°00'00"	0°00'00"	92°37'04"	0°00'00"	178.688 ft	-0.003 ft
1212-1219 (T91)		237°34'39"	57°34'28" (T89)	0°00'11"	0°00'00"	267°22'54"	0°00'00"	178.694 ft	0.003 ft

Results									
1214-1212-1219 (M33)				0°00'05"		92°37'05"		178.691 ft	

Point ID: 1210 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual

1208-1210 (T92)		337°41'38"	337°41'38" (T92)	0°00'00"	0°00'00"	88°34'02"	0°00'00"	87.834 ft	0.001 ft
1208-1210 (T93)		157°41'46"	157°41'46" (T93)	0°00'00"	0°00'00"	271° 25'37"	0°00'00"	87.833 ft	-0.001 ft
Results									
1210-1208-1210 (M34)				0°00'00"		88°34'12"		87.833 ft	

Point ID: 1220 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1220 (T94)		337°41'46"	337°41'38" (T92)	0°00'08"	0°00'00"	88°34'11"	0°00'00"	87.836 ft	0.000 ft
1208-1220 (T95)		157°41'50"	157°41'46" (T93)	0°00'04"	0°00'00"	271° 25'51"	0°00'00"	87.835 ft	0.000 ft
Results									
1210-1208-1220 (M35)				0°00'06"		88°34'10"		87.835 ft	

Point ID: 1221 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1221 (T96)		13°29'19"	337°41'38" (T92)	35°47'41"	0°00'00"	98°18'43"	0°00'00"	8.381 ft	0.004 ft
1208-1221 (T97)		193°29'25"	157°41'46" (T93)	35°47'38"	0°00'00"	261° 41'18"	0°00'00"	8.373 ft	-0.004 ft
Results									
1210-1208-1221 (M36)				35°47'40"		98°18'42"		8.377 ft	

Point ID: 1222 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1222 (T98)		52°51'20"	337°41'38" (T92)	75°09'42"	0°00'00"	118° 38'50"	0°00'00"	10.643 ft	0.011 ft
1208-1222 (T99)		232°51'23"	157°41'46" (T93)	75°09'36"	0°00'00"	241° 21'09"	0°00'00"	10.622 ft	-0.011 ft
Results									
1210-1208-1222 (M37)				75°09'39"		118° 38'51"		10.632 ft	

Point ID: 1223 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1223 (T100)		124°13'51"	337°41'38" (T92)	146°32'14"	0°00'00"	110° 22'28"	0°00'00"	42.806 ft	-0.014 ft
1208-1223 (T101)		304°13'57"	157°41'46" (T93)	146°32'10"	0°00'00"	249° 37'09"	0°00'00"	42.834 ft	0.014 ft
Results									
1210-1208-1223 (M38)				146°32'12"		110° 22'39"		42.820 ft	

Point ID: 1224 Station: 1208 Backsight: 1210									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1224 (T102)		154°20'52"	337°41'38" (T92)	176°39'15"	0°00'00"	101° 51'45"	0°00'00"	64.308 ft	0.054 ft
1208-1224 (T103)		334°20'57"	157°41'46" (T93)	176°39'11"	0°00'00"	258° 08'00"	0°00'00"	64.199 ft	-0.054 ft

Results

1210-1208-1224 (M39)		176°39'13"		101°51'53"		64.253 ft	
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Point ID: [1225](#) Station: [1208](#) Backsight: [1210](#)

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-1225 (T104)		337°41'43"	337°41'38" (T92)	0°00'06"	0°00'00"	88°34'06"	0°00'00"	87.837 ft	0.001 ft
1208-1225 (T105)		157°41'47"	157°41'46" (T93)	0°00'01"	0°00'00"	271°25'39"	0°00'00"	87.836 ft	-0.001 ft

Results

1210-1208-1225 (M40)		0°00'03"		88°34'13"		87.836 ft	
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Point ID: [TEST1](#) Station: [1208](#) Backsight: [1210](#)

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1208-TEST1 (T106)	1	329°19'56"	337°41'38" (T92)	351°38'19"	-0°00'00"	89°48'15"	-0°00'01"	92.374 ft	-0.002 ft
1208-TEST1 (T107)	1	149°19'55"	157°41'46" (T93)	351°38'09"	-0°00'00"	270°11'46"	-0°00'01"	92.379 ft	0.003 ft
1208-TEST1 (T108)	2	329°19'57"	337°41'38" (T92)	351°38'19"	0°00'00"	89°48'15"	0°00'01"	92.376 ft	0.000 ft
1208-TEST1 (T109)	2	149°19'56"	157°41'46" (T93)	351°38'10"	0°00'00"	270°11'44"	0°00'01"	92.376 ft	-0.001 ft
1208-TEST1 (T110)	3	329°19'56"	337°41'38" (T92)	351°38'18"	-0°00'00"	89°48'15"	-0°00'00"	92.376 ft	0.000 ft
1208-TEST1	3	149°19'55"	157°41'46" (T93)	351°38'09"	-0°00'00"	270°	-0°00'00"	92.376 ft	0.000 ft

(T111)						11'47"			
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Results

1210-1208-TEST1 (M41)			351°38'14"			89°48'15"		92.376 ft	
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Point ID: [1123](#) Station: [1121](#) Backsight: [1123](#)

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1121-1123 (T112)		330°34'09"	330°34'09" (T112)	0°00'00"	0°00'00"	89°47'26"	0°00'00"	66.224 ft	0.000 ft
◀ 1121-1123 (T113)		150°34'14"	150°34'14" (T113)	0°00'00"	0°00'00"	270°12'20"	0°00'00"	66.224 ft	0.000 ft

Results

1123-1121-1123 (M42)				0°00'00"		89°47'33"		66.224 ft	
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Point ID: [1125](#) Station: [1121](#) Backsight: [1123](#)

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1121-1125 (T114)		140°53'41"	330°34'09" (T112)	170°19'32"	0°00'00"	115°26'31"	0°00'00"	20.989 ft	0.011 ft
◀ 1121-1125 (T115)		320°53'43"	150°34'14" (T113)	170°19'29"	0°00'00"	244°33'29"	0°00'00"	20.967 ft	-0.011 ft

Results

1123-1121-1125 (M43)				170°19'31"		115°26'31"		20.978 ft	
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Point ID: [1126](#) Station: [1121](#) Backsight: [1123](#)

Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
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1121-1126 (T116)		131°24'18"	330° 34'09" (T112)	160°50'09"	0°00'00"	117° 15'43"	0°00'00"	26.177 ft	0.006 ft
1121-1126 (T117)		311°24'22"	150° 34'14" (T113)	160°50'08"	0°00'00"	242° 44'21"	0°00'00"	26.165 ft	-0.006 ft
Results									
1123-1121-1126 (M44)				160°50'08"		117° 15'41"		26.171 ft	

Point ID: 1127 Station: 1121 Backsight: 1123									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1121-1127 (T118)		130°23'10"	330° 34'09" (T112)	159°49'01"	0°00'00"	122° 27'59"	0°00'00"	31.692 ft	-0.018 ft
1121-1127 (T119)		310°23'16"	150° 34'14" (T113)	159°49'02"	0°00'00"	237° 32'02"	0°00'00"	31.727 ft	0.018 ft
Results									
1123-1121-1127 (M45)				159°49'02"		122° 27'59"		31.710 ft	

Point ID: 1128 Station: 1121 Backsight: 1123									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1121-1128 (T120)		330°34'12"	330° 34'09" (T112)	0°00'04"	0°00'00"	89°47'19"	0°00'00"	66.224 ft	-0.001 ft
1121-1128 (T121)		150°34'14"	150° 34'14" (T113)	0°00'01"	0°00'00"	270° 12'26"	0°00'00"	66.225 ft	0.001 ft
Results									
1123-1121-1128 (M46)				0°00'02"		89°47'26"		66.225 ft	

Point ID: 1131 Station: 1133 Backsight: 1131									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1133-1131 (T122)		51°11'52"	51°11'52" (T122)	0°00'00"	0°00'00"	90°20'40"	0°00'00"	91.504 ft	-0.001 ft
1133-1131 (T123)		231°11'55"	231° 11'55" (T123)	0°00'00"	0°00'00"	269° 38'58"	0°00'00"	91.506 ft	0.001 ft
Results									
1131-1133-1131 (M47)				0°00'00"		90°20'51"		91.505 ft	

Point ID: 1136 Station: 1133 Backsight: 1131									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1133-1136 (T125)		152°16'16"	51°11'52" (T122)	101°04'25"	0°00'00"	105° 08'13"	0°00'00"	64.418 ft	0.002 ft
1133-1136 (T126)		332°16'19"	231° 11'55" (T123)	101°04'24"	0°00'00"	254° 51'29"	0°00'00"	64.414 ft	-0.002 ft
Results									
1131-1133-1136 (M48)				101°04'25"		105° 08'22"		64.416 ft	

Point ID: 1137 Station: 1133 Backsight: 1131									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1133-1137 (T127)		51°11'53"	51°11'52" (T122)	0°00'01"	0°00'00"	90°20'35"	0°00'00"	91.507 ft	0.001 ft
1133-1137 (T128)		231°11'58"	231° 11'55" (T123)	0°00'03"	0°00'00"	269° 38'59"	0°00'00"	91.505 ft	-0.001 ft

Results								
1131-1133-1137 (M49)			0°00'02"		90°20'48"		91.506 ft	

Point ID: 1157 Station: 1159 Backsight: 1157									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1159-1157 (T139)		221°31'00"	221°31'00" (T139)	0°00'00"	0°00'00"	93°15'31"	0°00'00"	169.786 ft	-0.001 ft
✕ 1159-1157 (T140)		41°31'06"	41°31'06" (T140)	0°00'00"	0°00'00"	266°44'13"	0°00'00"	169.787 ft	0.001 ft
Results									
1157-1159-1157 (M55)				0°00'00"		93°15'39"		169.786 ft	

Point ID: 1163 Station: 1159 Backsight: 1157									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1159-1163 (T141)		224°19'22"	221°31'00" (T139)	2°48'21"	0°00'00"	105°56'04"	0°00'00"	38.965 ft	0.008 ft
✕ 1159-1163 (T142)		44°19'26"	41°31'06" (T140)	2°48'20"	0°00'00"	254°03'57"	0°00'00"	38.948 ft	-0.008 ft
Results									
1157-1159-1163 (M56)				2°48'21"		105°56'04"		38.956 ft	

Point ID: 1164 Station: 1159 Backsight: 1157									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
			221°						

1159-1164 (T143)		221°31'04"	31'00" (T139)	0°00'04"	0°00'00"	93°15'35"	0°00'00"	169.790 ft	0.002 ft
1159-1164 (T144)		41°31'01"	41°31'06" (T140)	359°59'55"	0°00'00"	266° 44'15"	0°00'00"	169.786 ft	-0.002 ft
Results									
1157-1159-1164 (M57)				359°59'59"		93°15'40"		169.788 ft	

Point ID: 1159 Station: 1157 Backsight: 1159									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1157-1159 (T145)		41°31'00"	41°31'00" (T145)	0°00'00"	0°00'00"	86°43'42"	0°00'00"	169.810 ft	-0.002 ft
1157-1159 (T146)		221°31'11"	221° 31'11" (T146)	0°00'00"	0°00'00"	273° 15'53"	0°00'00"	169.813 ft	0.002 ft
Results									
1159-1157-1159 (M58)				0°00'00"		86°43'54"		169.811 ft	

Point ID: 1166 Station: 1157 Backsight: 1159									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1157-1166 (T148)		198°31'35"	41°31'00" (T145)	157°00'34"	0°00'00"	96°27'34"	0°00'00"	53.421 ft	0.016 ft
1157-1166 (T149)		18°31'41"	221° 31'11" (T146)	157°00'30"	0°00'00"	263° 32'10"	0°00'00"	53.388 ft	-0.016 ft
Results									
1159-1157-1166 (M59)				157°00'32"		96°27'42"		53.405 ft	

Point ID: 1167 Station: 1157 Backsight: 1159									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1157-1167 (T150)		222°58'13"	41°31'00" (T145)	181°27'13"	0°00'00"	100° 27'55"	0°00'00"	55.110 ft	0.001 ft
1157-1167 (T151)		42°58'20"	221° 31'11" (T146)	181°27'09"	0°00'00"	259° 31'51"	0°00'00"	55.108 ft	-0.001 ft
Results									
1159-1157-1167 (M60)				181°27'11"		100° 28'02"		55.109 ft	

Point ID: 1168 Station: 1157 Backsight: 1159									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1157-1168 (T152)		205°47'59"	41°31'00" (T145)	164°16'59"	0°00'00"	101° 09'09"	0°00'00"	67.507 ft	0.012 ft
1157-1168 (T153)		25°48'06"	221° 31'11" (T146)	164°16'55"	0°00'00"	258° 50'32"	0°00'00"	67.483 ft	-0.012 ft
Results									
1159-1157-1168 (M61)				164°16'57"		101° 09'19"		67.495 ft	

Point ID: 1169 Station: 1157 Backsight: 1159									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1157-1169 (T154)		41°31'10"	41°31'00" (T145)	0°00'10"	-0°00'00"	86°43'43"	0°00'00"	169.809 ft	-0.002 ft
1157-1169 (T155)		221°31'10"	221° 31'11" (T146)	0°00'00"	0°00'00"	273° 15'51"	0°00'00"	169.812 ft	0.002 ft

Results								
1159-1157-1169 (M62)			0°00'05"		86°43'56"		169.810 ft	

Point ID: 1179 Station: 1182 Backsight: 1179									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1182-1179 (T156)		16°51'04"	16°51'04" (T156)	0°00'00"	0°00'00"	87°17'48"	0°00'00"	34.881 ft	-0.001 ft
✕ 1182-1179 (T157)		196°51'17"	196°51'17" (T157)	0°00'00"	0°00'00"	272°41'54"	0°00'00"	34.882 ft	0.001 ft

Results								
1179-1182-1179 (M63)			0°00'00"		87°17'57"		34.882 ft	

Point ID: 1184 Station: 1182 Backsight: 1179									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
◀ 1182-1184 (T158)		291°28'04"	16°51'04" (T156)	274°37'00"	0°00'00"	112°40'18"	0°00'00"	24.427 ft	-0.001 ft
✕ 1182-1184 (T159)		111°28'10"	196°51'17" (T157)	274°36'52"	0°00'00"	247°19'42"	0°00'00"	24.429 ft	0.001 ft

Results								
1179-1182-1184 (M64)			274°36'56"		112°40'18"		24.428 ft	

Point ID: 1185 Station: 1182 Backsight: 1179									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual

1182-1185 (T160)		16°51'27"	16°51'04" (T156)	0°00'23"	0°00'00"	87°17'43"	0°00'00"	34.879 ft	-0.001 ft
1182-1185 (T161)		196°51'24"	196° 51'17" (T157)	0°00'07"	0°00'00"	272° 42'03"	0°00'00"	34.881 ft	0.001 ft
Results									
1179-1182-1185 (M65)				0°00'15"		87°17'50"		34.880 ft	

Point ID: 106 Station: 1140 Backsight: 106									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1140-106 (T179)		132°57'44"	132° 57'44" (T179)	0°00'00"	0°00'00"	91°47'52"	0°00'00"	53.832 ft	0.000 ft
1140-106 (T180)		312°57'54"	312° 57'54" (T180)	0°00'00"	0°00'00"	268° 11'56"	0°00'00"	53.831 ft	0.000 ft
Results									
106-1140-106 (M74)				0°00'00"		91°47'58"		53.832 ft	

Point ID: 1146 Station: 1140 Backsight: 106									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1140-1146 (T181)		112°14'30"	132° 57'44" (T179)	339°16'46"	0°00'00"	98°46'34"	0°00'00"	59.619 ft	0.002 ft
1140-1146 (T182)		292°14'37"	312° 57'54" (T180)	339°16'43"	0°00'00"	261° 13'24"	0°00'00"	59.615 ft	-0.002 ft
Results									
106-1140-1146 (M75)				339°16'45"		98°46'35"		59.617 ft	

Point ID: 1147 Station: 1140 Backsight: 106									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1140-1147 (T183)		98°33'52"	132° 57'44" (T179)	325°36'08"	0°00'00"	100° 24'49"	0°00'00"	67.017 ft	-0.008 ft
1140-1147 (T184)		278°33'55"	312° 57'54" (T180)	325°36'01"	0°00'00"	259° 34'53"	0°00'00"	67.033 ft	0.008 ft
Results									
106-1140-1147 (M76)				325°36'05"		100° 24'58"		67.025 ft	

Point ID: 1148 Station: 1140 Backsight: 106									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1140-1148 (T185)		80°56'08"	132° 57'44" (T179)	307°58'24"	0°00'00"	99°02'25"	0°00'00"	108.757 ft	-0.012 ft
1140-1148 (T186)		260°56'14"	312° 57'54" (T180)	307°58'20"	0°00'00"	260° 57'18"	0°00'00"	108.781 ft	0.012 ft
Results									
106-1140-1148 (M77)				307°58'22"		99°02'34"		108.769 ft	

Point ID: 1149 Station: 1140 Backsight: 106									
Enabled Observations	Set	Horizontal Circle Reading	Backsight Circle Reading	Horizontal Angle	H. Angle Residual	Vertical Angle	V. Angle Residual	Slope Distance	Distance Residual
1140-1149 (T187)		132°57'42"	132° 57'44" (T179)	359°59'59"	0°00'00"	91°47'58"	0°00'00"	53.830 ft	0.001 ft
1140-1149 (T188)		312°57'50"	312° 57'54" (T180)	359°59'56"	0°00'00"	268° 11'55"	0°00'00"	53.828 ft	-0.001 ft

Results							
106-1140-1149 (M78)		359°59'57"		91°48'01"		53.829 ft	

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