Ins. St	Ciahtad ta	Cianal Ht	HCR	Uz Distance	Vort Distance	Dooring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
M 14	m 1		00°00'00''			94°53'38''			3063320.904	627166.397	1322.100	
1.448	1	1.5	03°11'01''	75.945	-0.391	98°04'39''	-10.671	75.192	3063310.233	627241.588	1321.657	
	2	1.5	01°38'01''	77.609	-0.399	96°31'39''	-8.823	77.106	3063312.082	627243.503	1321.649	
	3	1.5	01°52'45''	81.116	-0.680	96°46'23''	-9.567	80.550	3063311.338	627246.947	1321.368	
	4	1.5	359°00'30''	69.623	-0.323	93°54'08''	-4.738	69.462	3063316.166	627235.858	1321.725	
	5	1.5	01°54'45''	83.117	-0.959	96°48'23''	-9.851	82.531	3063311.054	627248.928	1321.089	
	6	1.5	354°19'24''	62.023	-0.068	89°13'02''	0.847	62.017	3063321.752	627228.414	1321.980	
	7	1.5	01°59'28''	86.157	-0.968	96°53'06''	-10.328	85.536	3063310.576	627251.932	1321.080	
	8	1.5	259°08'41''	8.933	0.015	354°02'19"	8.885	-0.928	3063329.789	627165.469	1322.063	
	9	1.5	191°49'02''	22.077	0.171	286°42'40''	6.348	-21.145	3063327.253	627145.252	1322.219	
	10	1.5	174°33'57''	19.568	0.280	269°27'35"	-0.185	-19.567	3063320.720	627146.830	1322.328	
	11	1.5	294°17'44''	3.308	-0.019	29°11'22''	2.888	1.613	3063323.792	627168.010	1322.029	
	12	1.5	234°47'18''	13.392	-0.200	329°40'56''	11.560	-6.760	3063332.465	627159.637	1321.848	
	13	1.5	165°11'01''	9.378	0.190	260°04'39''	-1.616	-9.238	3063319.288	627157.159	1322.238	
	14	1.5	220°58'58''	15.834	-0.316	315°52'36"	11.366	-11.024	3063332.271	627155.373	1321.732	
	15	1.5	144°24'46''	12.303	-0.696	239°18'24"	-6.280	-10.579	3063314.624	627155.817	1321.352	
	16	1.5	253°51'03''	25.633	-0.412	348°44'41"	25.140	-5.003	3063346.044	627161.394	1321.636	
	17	1.5	250°19'52''	19.236	-0.298	345°13'30''	18.600	-4.906	3063339.504	627161.491	1321.750	
	18	1.5	145°25'19''	14.666	0.763	240°18'57''	-7.263	-12.741	3063313.642	627153.655	1322.811	
	19	1.5	245°03'20''	19.727	-0.293	339°56'58''	18.531	-6.763	3063339.436	627159.633	1321.755	
	20	1.5	130°31'05''	13.642	1.375	225°24'43"	-9.577	-9.715	3063311.328	627156.681	1323.423	
	21	1.5	121°07'47''	13.499	1.371	216°01'25"	-10.918	-7.939	3063309.987	627158.458	1323.419	
	22	1.5	265°50'37''	40.541	0.080	00°44'15''	40.538	0.522	3063361.442	627166.919	1322.128	
	23	1.5	67°03'15''	23.334	0.714	161°56'53"	-22.185	7.231	3063298.719	627173.628	1322.762	
	24	1.5	62°20'56''	21.597	0.385	157°14'34''	-19.916	8.354	3063300.989	627174.751	1322.433	
	25	1.5	53°07'33''	24.773	-0.495	148°01'11"	-21.013	13.120	3063299.891	627179.517	1321.553	
	26	1.5	30°23'41"	13.313	-0.525	125°17'19''	-7.691	10.867	3063313.214	627177.264	1321.523	
	27	1.5	254°53'35''	41.352		349°47'13''	40.697	-7.332	3063361.601	627159.065	1321.767	
	28	1.5	34°44'25''	21.676	-0.499	129°38'03"	-13.827	16.693	3063307.078	627183.090	1321.549	
	29	1.5	39°43'29''	22.735	-0.545	134°37'07''	-15.969	16.183	3063304.936	627182.580	1321.503	
	30	1.5	323°35'36''	36.410	-0.174	58°29'14''	19.031	31.040	3063339.935	627197.437	1321.874	
	31	1.5	37°11'39''	24.662	-0.475	132°05'17''	-16.530	18.302	3063304.374	627184.699	1321.573	
	32	1.5	320°34'10''	21.687	-0.003	55°27'48''	12.295	17.865	3063333.199	627184.262	1322.045	
	33	1.5	15°56'26''	41.828	-0.602	110°50'04"	-14.877	39.093	3063306.027	627205.490	1321.446	
	34	1.5	316°19'27''	24.147	-0.132	51°13'05''	15.125	18.823	3063336.029	627185.220	1321.916	
	35	1.5	19°13'27''	41.871	-0.485	114°07'05"	-17.109	38.216	3063303.795	627204.613	1321.563	
	36	1.5	314°02'33''	26.101	-0.421	48°56'11''	17.146	19.680	3063338.050	627186.076	1321.627	
	37	1.5	21°39'42''	34.058	-0.448	116°33'20"	-15.226	30.465	3063305.678	627196.862	1321.600	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	38	1.5	310°21'30''	28.182	-0.629	45°15'08''	19.840	20.015	3063340.744	627186.412	1321.419	
	39	1.5	21°25'59''	23.288	-0.507	116°19'37''	-10.328	20.873	3063310.576	627187.269	1321.541	
	40	1.5	304°57'16''	22.612	-0.501	39°50'54''	17.360	14.489	3063338.265	627180.886	1321.547	
	41	1.5	305°29'15''	20.675	-0.315	40°22'53''	15.749	13.395	3063336.654	627179.792	1321.733	
	42	1.5	364°02'02''	15.872	-0.073	98°55'40''	-2.463	15.680	3063318.441	627182.076	1321.975	
	43	1.5	48°57'19''	30.560	-0.552	143°50'57''	-24.676	18.028	3063296.228	627184.425	1321.496	
	44	1.5	252°34'23''	9.744	0.022	347°28'01''	9.512	-2.114	3063330.416	627164.282	1322.070	
	45	1.5	254°03'52''	16.622	-0.317	348°57'30''	16.314	-3.183	3063337.219	627163.213	1321.731	
	46	1.5	61°05'05''	37.763	-0.538	155°58'43"	-34.492	15.372	3063286.412	627181.769	1321.510	
	47	1.5	267°31'05''	25.194	-0.622	02°24'43''	25.172	1.060	3063346.076	627167.457	1321.426	
	48	1.5	259°03'44''	27.476	-0.450	353°57'22"	27.323	-2.893	3063348.228	627163.504	1321.598	
	49	1.5	34°34'09''	45.679	-0.055	129°27'47''	-29.033	35.266	3063291.872	627201.663	1321.993	
	50	1.5	32°07'38''	50.401	-0.061	127°01'16''	-30.347	40.241	3063290.557	627206.638	1321.987	
	51	1.5	274°18'39''	16.076	-0.143	09°12'17''	15.869	2.572	3063336.773	627168.968	1321.905	
	52	1.5	12°27'02''	41.734	-0.277	107°20'40''	-12.442	39.836	3063308.463	627206.233	1321.771	
	53	1.5	284°54'01''	31.487	-0.580	19°47'39''	29.627	10.663	3063350.531	627177.060	1321.468	
	54	1.5	14°50'52''	39.413	-0.876	109°44'30''	-13.313	37.097	3063307.591	627203.493	1321.172	
	55	1.5	15°03'07''	3.400	0.309	109°56'45''	-1.160	3.196	3063319.745	627169.593	1322.357	
	56	1.5	16°55'45''	6.112	-0.089	111°49'23''	-2.272	5.674	3063318.632	627172.071	1321.959	
	57	1.5	03°44'29''	7.794	0.358	98°38'07''	-1.170	7.706	3063319.734	627174.102	1322.406	
	58	1.5	83°24'04''	7.700	-0.081	178°17'42''	-7.697	0.229	3063313.208	627166.626	1321.967	
	59	1.5	06°09'26''	11.056	-0.010	101°03'04''	-2.119	10.851	3063318.785	627177.248	1322.038	
	60	1.5	350°09'06''	14.433	0.403	85°02'44''	1.246	14.379	3063322.151	627180.776	1322.451	
	61	1.5	02°03'38''	23.816	-0.107	96°57'16''	-2.884	23.641	3063318.021	627190.038	1321.941	
	62	1.5	00°46'48''	25.658	0.442	95°40'26''	-2.537	25.532	3063318.368	627191.929	1322.490	
	63	1.5	345°52'48''	21.994	-0.030	80°46'26''	3.526	21.709	3063324.431	627188.106	1322.018	
	64	1.5	79°56'43''	11.129	0.695	174°50'21''	-11.084	1.001	3063309.821	627167.398	1322.743	
	65	1.5	78°11'10''	13.504	0.853	173°04'48''	-13.406	1.627	3063307.499	627168.024	1322.901	
	66	1.5	69°16'54''	15.429	0.199	164°10'32''	-14.844	4.207	3063306.060	627170.604	1322.247	
	67	1.5	62°22'25''	19.148	-0.036	157°16'03''	-17.661	7.399	3063303.244	627173.796	1322.012	
	68	1.5	55°47'31''	16.340	-0.568	150°41'09''	-14.248	8.000	3063306.657	627174.397	1321.480	
	69	1.5	44°24'58''	14.480	-0.765	139°18'36''	-10.979	9.440	3063309.925	627175.837	1321.283	
	70	1.5	62°54'21''	12.117	-0.322	157°47'59''	-11.219	4.578	3063309.686	627170.975	1321.726	
	71	1.5	32°44'09''	7.509	-0.067	127°37'47''	-4.585	5.947	3063316.320	627172.344	1321.981	
	72	1.5	98°03'22''	8.339	0.465	192°57'00''	-8.127	-1.869	3063312.777	627164.528	1322.513	
	73	1.5	86°35'49''	10.053	0.526	181°29'27''	-10.050	-0.262	3063310.855	627166.135	1322.574	
	74	1.5	18°13'33''	19.967	-0.560	113°07'11''	-7.840	18.363	3063313.064	627184.760	1321.488	
	75	1.5	09°59'44''	19.832	-0.199	104°53'22''	-5.096	19.166	3063315.808	627185.563	1321.849	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal nt.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	76	1.5	16°12'09''	27.392	-0.685	111°05'47''	-9.859	25.556	3063311.045	627191.953	1321.363	
	77	1.5	08°42'47''	27.479	-0.077	103°36'25"	-6.465	26.708	3063314.440	627193.105	1321.971	
	78	1.5	13°48'33''	32.823	-0.256	108°42'11''	-10.525	31.090	3063310.379	627197.487	1321.792	
	79	1.5	10°58'04''	38.723	-0.025	105°51'42"	-10.584	37.249	3063310.321	627203.645	1322.023	
	80	1.5	20°32'41''	40.974	-0.506	115°26'19"	-17.600	37.001	3063303.304	627203.398	1321.542	
	81	1.5	29°19'57''	24.888	-0.550	124°13'35"	-13.999	20.578	3063306.906	627186.975	1321.498	
	82	1.5	43°10'24''	28.418	-0.518	138°04'02''	-21.141	18.991	3063299.763	627185.387	1321.530	
	83	1.5	30°55'43''	39.662	-0.529	125°49'21"	-23.213	32.159	3063297.691	627198.556	1321.519	
m1	m2		00°00'00''			198°15'52"			3063314.322	627243.267	1321.461	
1.425	84	1.3	266°39'29''	34.254	-1.064	104°55'21"	-8.821	33.099	3063305.501	627276.366	1320.522	
	85	1.5	302°50'49''	40.355	-0.934	141°06'41''	-31.411	25.335	3063282.911	627268.603	1320.452	
	86	1.5	318°24'36''	50.828	-0.898	156°40'28''	-46.674	20.126	3063267.648	627263.393	1320.488	
	87	1.5	307°21'42''	27.426	-0.721	145°37'34''	-22.637	15.484	3063291.685	627258.752	1320.665	
	88	1.5	311°53'31''	29.303	-0.709	150°09'23"	-25.417	14.582	3063288.905	627257.850	1320.677	
	89	1.5	324°06'51''	19.625	-0.284	162°22'43"	-18.704	5.941	3063295.618	627249.208	1321.102	
	90	1.5	331°39'45''	23.141	-0.268	169°55'37''	-22.784	4.047	3063291.537	627247.315	1321.118	
	91	1.5	00°45'43''	55.051	0.269	199°01'35"	-52.043	-17.947	3063262.278	627225.321	1321.655	
	92	1.5	341°10'26''	21.485	-0.298	179°26'18''	-21.484	0.211	3063292.838	627243.478	1321.088	
	93	1.5	359°30'58''	51.688	0.188	197°46'50''	-49.219	-15.784	3063265.103	627227.483	1321.574	
	94	1.5	336°08'00''	17.013	-0.260	174°23'52"	-16.932	1.661	3063297.390	627244.928	1321.126	
	95	1.5	340°10'56''	15.474	0.006	178°26'48''	-15.468	0.419	3063298.853	627243.687	1321.392	
	96	1.5	21°11'43''	50.716	0.210	219°27'35"	-39.156	-32.232	3063275.165	627211.036	1321.596	
	97	1.5	28°48'26''	15.916	0.152	227°04'18''	-10.840	-11.654	3063303.482	627231.614	1321.538	
	98	1.5	25°39'27''	18.904	0.200	223°55'19"	-13.616	-13.113	3063300.705	627230.154	1321.586	
	99	1.5	30°45'33''	42.509	0.200	229°01'25"	-27.875	-32.093	3063286.446	627211.174	1321.586	
	100	1.5	19°05'20''	41.863	0.154	217°21'12"	-33.277	-25.399	3063281.044	627217.868	1321.540	
	101	1.5	12°50'57''	24.750	0.301	211°06'49''	-21.190	-12.789	3063293.132	627230.478	1321.687	
	102	1.5	08°35'25''	28.089	0.458	206°51'17''	-25.060	-12.689	3063289.262	627230.579	1321.844	
	103	1.5	07°05'39''	42.673	0.081	205°21'31"	-38.561	-18.276	3063275.760	627224.991	1321.467	
	104	1.5	349°33'47''	34.026	0.417	187°49'39''	-33.709	-4.634	3063280.613	627238.633	1321.803	
	105	1.5	00°57'37''	40.025	0.030	199°13'29''	-37.793	-13.179	3063276.529	627230.088	1321.416	
	106	1.5	351°41'38''	38.401	0.458	189°57'30''	-37.822	-6.641	3063276.499	627236.627	1321.844	
	107	1.5	339°28'43''	40.813	-0.241	177°44'35''	-40.781	1.607	3063273.540	627244.875	1321.145	
	108	1.5	359°22'26''	37.325	0.435	197°38'18''	-35.570	-11.310	3063278.751	627231.958	1321.821	
	109	1.5	20°54'19''	35.728	0.601	219°10'11''	-27.699	-22.567	3063286.623	627220.701	1321.987	
	110	1.5	28°03'00''	36.407	0.568	226°18'52''	-25.146	-26.327	3063289.175	627216.940	1321.954	

Ins. St	Sighted to	Cianal Ut	HCR	Hz. Distance	Vert. Distance	Pagring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	Hz. Distance	vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	111	1.5	30°39'01''	37.887	0.335	228°54'53"	-24.899	-28.557	3063289.423	627214.711	1321.721	
	112	1.5	35°30'15''	38.165	0.564	233°46'07''	-22.557	-30.785	3063291.764	627212.482	1321.950	
	113	1.5	87°08'49''	8.430	0.186	285°24'41"	2.240	-8.127	3063316.562	627235.141	1321.572	
	114	1.5	162°23'03''	3.276	0.182	00°38'55''	3.276	0.037	3063317.597	627243.305	1321.568	
	115	1.5	141°51'05''	10.231	0.250	340°06'57''	9.621	-3.480	3063323.943	627239.788	1321.636	
	116	1.5	53°14'12''	41.976	0.913	251°30'04''	-13.318	-39.807	3063301.003	627203.460	1322.299	
	117	1.5	48°49'09''	39.478	0.933	247°05'01''	-15.372	-36.362	3063298.949	627206.905	1322.319	
	118	1.5	77°28'33''	29.470	1.359	275°44'25"	2.948	-29.322	3063317.269	627213.945	1322.745	
	119	1.5	350°45'28''	14.460	0.621	189°01'20''	-14.281	-2.268	3063300.041	627241.000	1322.007	
	120	1.5	15°30'18''	12.989	0.690	213°46'10''	-10.798	-7.220	3063303.524	627236.048	1322.076	
	121	1.5	36°31'20''	9.685	0.318	234°47'12"	-5.585	-7.913	3063308.737	627235.355	1321.704	
	122	1.5	355°45'02''	5.655	0.056	194°00'54''	-5.487	-1.370	3063308.835	627241.898	1321.442	
	123	1.5	17°56'20''	21.523	0.258	216°12'12''	-17.367	-12.713	3063296.954	627230.555	1321.644	
	124	1.5	309°03'15''	8.242	-0.076	147°19'07''	-6.937	4.450	3063307.385	627247.718	1321.310	
	125	1.5	09°20'53''	23.398	0.241	207°36'45"	-20.733	-10.845	3063293.589	627232.423	1321.627	
	126	1.5	335°01'28''	14.016	-0.038	173°17'20''	-13.920	1.638	3063300.402	627244.905	1321.348	
	127	1.5	355°21'43''	26.023	0.206	193°37'35"	-25.291	-6.131	3063289.031	627237.137	1321.592	
	128	1.5	350°33'21"	30.248	0.260	188°49'13"	-29.890	-4.638	3063284.431	627238.629	1321.646	
	129	1.5	310°53'34''	38.716	-0.851	149°09'26"	-33.241	19.849	3063281.081	627263.117	1320.535	
	130	1.5	349°51'29''	20.646	0.066	188°07'21''	-20.439	-2.917	3063293.883	627240.350	1321.452	
	131	1.5	290°16'45''	31.353	-0.903	128°32'37"	-19.536	24.522	3063294.785	627267.790	1320.483	
m2	m3		00°00'00''			142°34'03"			3063244.701	627220.290	1321.636	
1.404	132	1.5	07°09'16''	11.313	-0.545	149°43'19"	-9.770	5.704	3063234.932	627225.994	1320.995	
	133	1.5	281°40'24''	11.100	-0.123	64°14'27''	4.824	9.997	3063249.525	627230.287	1321.417	
	134	1.5	01°42'05''	19.103	-1.274	144°16'08''	-15.507	11.156	3063229.194	627231.446	1320.266	
	135	1.5	354°02'00''	19.790		136°36'03''	-14.379	13.597	3063230.322	627233.887	1320.162	
	136	0.12	337°39'08''	8.047	-1.479	120°13'11''	-4.050	6.953	3063240.651	627227.243	1321.441	
	137	1.5	353°44'02''	9.337	-0.455	136°18'05''	-6.751	6.451	3063237.951	627226.741	1321.085	
	138	1.5	312°22'21''	5.276	-0.107	94°56'24''	-0.454	5.256	3063244.247	627225.546	1321.433	
	139	1.5	27°59'52''	3.330		170°33'55"	-3.285	0.546	3063241.417	627220.836	1321.532	
	140	1.5	156°00'14''	4.855	-0.247	298°34'17''	2.322	-4.264	3063247.023	627216.026	1321.293	
	141	1.5	252°40'38''	7.044	0.067	35°14'41''	5.753	4.065	3063250.454	627224.355	1321.607	
	142	1.5	221°23'58''	10.411	-0.180	03°58'01''	10.386	0.720	3063255.088	627221.010	1321.360	
	143	1.5	255°59'01''	16.441	-0.019	38°33'04''	12.858	10.246	3063257.559	627230.536	1321.521	
	144	1.5	233°18'08''	18.300	-0.178	15°52'11''	17.603	5.004	3063262.304	627225.294	1321.362	
	145	1.5	253°08'44''	27.563		35°42'47''	22.380	16.089	3063267.081	627236.379	1321.555	

Ins. St	Ciabbad ba	Cianal III	HCR	II- Dietemas	Vant Distance	Dagwing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Domonilia
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	146	1.5	137°35'02''	22.059	0.082	280°09'05"	3.888	-21.714	3063248.589	627198.576	1321.622	
	147	1.5	144°28'46''	22.672	-0.147	287°02'49''	6.646	-21.676	3063251.348	627198.614	1321.393	
	148	1.5	247°26'37''	33.489	0.041	30°00'40''	28.999	16.750	3063273.701	627237.040	1321.581	
	149	1.5	147°51'03''	29.608	-0.184	290°25'06''	10.329	-27.748	3063255.031	627192.542	1321.356	
	150	1.5	251°08'35''	34.446	0.102	33°42'38''	28.654	19.117	3063273.355	627239.407	1321.642	
	151	1.5	256°32'19''	29.378	0.034	39°06'22''	22.797	18.530	3063267.498	627238.820	1321.574	
	152	1.5	261°53'09''	22.281	-0.037	44°27'12''	15.905	15.604	3063260.606	627235.894	1321.503	
	153	1.5	266°57'19''	12.620	-0.005	49°31'22''	8.192	9.600	3063252.894	627229.890	1321.535	
	154	1.5	108°51'44''	2.210	0.316	251°25'47''	-0.704	-2.095	3063243.998	627218.195	1321.856	
	155	1.5	313°17'01''	5.313	-0.109	95°51'04''	-0.542	5.285	3063244.160	627225.575	1321.431	
	156	1.5	125°59'39''	2.603	0.428	268°33'42"	-0.065	-2.602	3063244.636	627217.688	1321.968	
	157	1.5	108°27'12''	3.032	0.794	251°01'15"	-0.986	-2.867	3063243.715	627217.423	1322.334	
	158	1.5	119°26'40''	5.442	0.364	262°00'43"	-0.756	-5.389	3063243.945	627214.901	1321.904	
	159	1.5	139°35'17''	5.633	-0.203	282°09'20''	1.186	-5.507	3063245.888	627214.783	1321.337	
	160	1.5	311°47'15''	7.183	-0.627	94°21'18''	-0.545	7.162	3063244.156	627227.452	1320.913	
	161	1.5	190°44'13''	3.618	-0.214	333°18'16''	3.232	-1.625	3063247.934	627218.665	1321.326	
	162	1.5	231°37'58''	9.615	-0.251	14°12'01''	9.321	2.359	3063254.023	627222.649	1321.289	
	163	1.5	345°30'44''	7.845	-0.431	128°04'47''	-4.838	6.175	3063239.863	627226.465	1321.109	
	164	1.5	350°48'10''	12.049	-0.654	133°22'13"	-8.274	8.759	3063236.427	627229.049	1320.886	
	165	1.5	158°06'53''	25.557	-0.150	300°40'56''	13.041	-21.979	3063257.743	627198.311	1321.390	
	166	1.5	353°51'25''	18.339	-1.174	136°25'28"	-13.286	12.641	3063231.415	627232.931	1320.366	
	167	1.5	31°07'51''	4.894	0.387	173°41'54''	-4.864	0.537	3063239.837	627220.827	1321.927	
	168	1.5	03°46'38''	17.807	-1.110	146°20'41"	-14.822	9.869	3063229.879	627230.159	1320.430	
	169	1.5	52°44'58''	8.978	0.704	195°19'01"	-8.659	-2.372	3063236.042	627217.918	1322.244	
	170	1.5	16°06'52''	14.741	-0.109	158°40'55"	-13.732	5.359	3063230.969	627225.649	1321.431	
	171	1.5	33°44'08''	7.663	0.152	176°18'11"	-7.647	0.494	3063237.054	627220.784	1321.692	
	172	1.5	06°44'44''	14.383	-0.804	149°18'47''	-12.369	7.340	3063232.333	627227.630	1320.736	
	173	1.5	20°56'31''	9.419	0.196	163°30'34"	-9.032	2.674	3063235.670	627222.964	1321.736	
	174	1.5	12°47'58''	11.433	-0.488	155°22'01''	-10.393	4.765	3063234.309	627225.055	1321.052	
	175	1.5	09°25'49''	9.547	-0.413	151°59'52"	-8.429	4.482	3063236.272	627224.772	1321.127	
	176	1.5	15°40'04''	5.186	-0.161	158°14'07''	-4.816	1.923	3063239.885	627222.213	1321.379	
m3	m4		00°00'00''			258°07'30''			3063213.219	627244.388	1318.767	
1.321	177	1.5	09°05'26''	3.731	0.141	267°12'56''	-0.181	-3.727	3063213.038	627240.661	1318.729	
	178	1.5	311°06'31''	2.972	0.083	209°14'01"	-2.593	-1.451	3063210.626	627242.936	1318.671	
	179	1.5	40°05'00''	8.570	0.639	298°12'30''	4.051	-7.552	3063217.270	627236.835	1319.227	
	180	1.5	260°25'07''	4.850	-0.085	158°32'37"	-4.514	1.774	3063208.706	627246.162	1318.503	

Ins. St	Sighted to	Cianal III	HCR	Uz Dietemas	Vant Distance	Danina	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Kemarks
	181	1.5	62°27'52''	8.066	0.724	320°35'22"	6.232	-5.121	3063219.451	627239.267	1319.312	
	182	1.5	58°27'23''	12.321	1.448	316°34'53"	8.949	-8.469	3063222.169	627235.919	1320.036	
	183	1.5	241°54'15''	7.457	-0.270	140°01'45''	-5.715	4.790	3063207.505	627249.178	1318.318	
	184	2.15	69°47'45''	17.382	3.068	327°55'15"	14.728	-9.231	3063227.947	627235.156	1321.006	
	185	1.5	62°20'02''	17.429	2.419	320°27'32"	13.441	-11.096	3063226.660	627233.292	1321.007	
	186	1.5	241°50'14''	7.543	-0.287	139°57'44''	-5.775	4.852	3063207.444	627249.240	1318.301	
	187	1.5	294°37'27''	25.850	-1.879	192°44'57''	-25.213	-5.705	3063188.007	627238.683	1316.709	
	188	2.15	276°04'27''	24.114	-1.773	174°11'57''	-23.991	2.437	3063189.229	627246.825	1316.165	
	189	2.15	283°48'50''	21.235	-1.437	181°56'20''	-21.223	-0.718	3063191.997	627243.669	1316.501	
	190	2.15	59°07'44''	17.974	2.565	317°15'14"	13.200	-12.200	3063226.419	627232.188	1320.503	
	191	2.15	278°03'57''	21.700	-1.523	176°11'27''	-21.652	1.442	3063191.567	627245.829	1316.415	
	192	2.15	275°49'47''	20.252	-1.584	173°57'17''	-20.139	2.133	3063193.080	627246.520	1316.354	
	193	2.15	277°05'15''	12.651	-0.782	175°12'45''	-12.607	1.056	3063200.613	627245.443	1317.156	
	194	2.15	286°16'25''	18.472	-1.330	184°23'55"	-18.418	-1.417	3063194.802	627242.971	1316.608	
	195	2.15	278°23'55''	8.479	-0.773	176°31'25''	-8.463	0.514	3063204.756	627244.902	1317.165	
	196	2.15	299°54'38''	9.677	-0.259	198°02'08''	-9.202	-2.996	3063204.018	627241.392	1317.679	
	197	2.15	286°29'24''	15.966	-0.923	184°36'54''	-15.914	-1.285	3063197.305	627243.103	1317.015	
	198	2.15	260°00'53''	10.343	-0.947	158°08'23''	-9.599	3.851	3063203.620	627248.239	1316.991	
	199	2.15	258°05'38''	12.090	-1.580	156°13'08''	-11.063	4.875	3063202.156	627249.263	1316.358	
	200	2.15	260°06'58''	13.250	-0.929	158°14'28''	-12.306	4.912	3063200.913	627249.299	1317.009	
	201	2.15	287°31'04''	13.894	-0.712	185°38'34"	-13.827	-1.366	3063199.393	627243.021	1317.226	
	202	2.15	254°17'04''	14.310	-1.449	152°24'34''	-12.683	6.628	3063200.537	627251.015	1316.489	
	203	2.15	301°43'11''	25.000	-1.373	199°50'41''	-23.515	-8.487	3063189.704	627235.901	1316.565	
	204	2.15	301°06'55''	21.978	-1.374	199°14'25''	-20.750	-7.242	3063192.469	627237.145	1316.564	
	205	2.15	307°59'02''	18.543	-0.899	206°06'32"	-16.651	-8.160	3063196.569	627236.227	1317.039	
	206	2.15	307°53'28''	22.528	-1.225	206°00'58''	-20.245	-9.881	3063192.974	627234.506	1316.713	
	207	2.15	305°25'19''	25.736	-1.566	203°32'49''	-23.593	-10.282	3063189.626	627234.106	1316.372	
	208	2.15	23°17'25''	9.960	0.906	281°24'55''	1.971	-9.763	3063215.191	627234.625	1318.844	
	209	2.15	27°37'07''	11.886	0.755	285°44'37''	3.225	-11.440	3063216.444	627232.947	1318.693	
	210	2.15	347°09'42''	10.807	0.683	245°17'12''	-4.518	-9.817	3063208.701	627234.570	1318.621	
	211	2.15	359°37'28''	16.032	0.465	257°44'58''	-3.402	-15.667	3063209.818	627228.721	1318.403	
	212	2.15	19°20'35''	14.023	0.558	277°28'05''	1.823	-13.904	3063215.042	627230.484	1318.496	
	213	2.15	346°04'11''	13.424	0.374	244°11'41''	-5.844	-12.085	3063207.376	627232.302	1318.312	
	214	2.15	14°54'20''	20.968	0.516	273°01'50''	1.109	-20.939	3063214.328	627223.449	1318.454	
	215	2.15	350°31'31''	19.470	0.375	248°39'01''	-7.088	-18.134	3063206.131	627226.254	1318.313	
m4	m5		00°00'00''			276°08'13''			3063200.632	627184.529	1317.195	

Ins. St	Ciahtad ta	Cianal Ut	HCR	Uz Distance	Vert. Distance	Pagring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
1.426	216	1.5	24°20'10''	6.134	-0.860	300°28'23"	3.111	-5.287	3063203.743	627179.242	1316.261	
	217	1.5	11°57'53''	3.208	-0.151	288°06'06''	0.997	-3.049	3063201.629	627181.479	1316.970	
	218	1.5	294°05'41''	1.693	-0.112	210°13'54''	-1.463	-0.852	3063199.169	627183.676	1317.009	
	219	1.5	232°56'25''	4.118	-0.230	149°04'38''	-3.533	2.116	3063197.100	627186.645	1316.891	
	220	1.5	253°16'25''	5.518	-1.097	169°24'38''	-5.424	1.014	3063195.208	627185.543	1316.024	
	221	1.5	304°07'00''	4.262	-1.055	220°15'13"	-3.253	-2.754	3063197.379	627181.775	1316.066	
	222	1.5	354°35'06''	6.519	-1.055	270°43'19"	0.082	-6.518	3063200.714	627178.010	1316.066	
	223	1.5	346°08'52''	9.539	-1.228	262°17'05"	-1.281	-9.453	3063199.352	627175.076	1315.893	
	224	1.5	324°22'43''	9.516	-1.309	240°30'56''	-4.684	-8.284	3063195.949	627176.245	1315.812	
	225	1.5	296°20'42''	7.222	-1.388	212°28'55"	-6.092	-3.878	3063194.540	627180.650	1315.733	
	226	1.5	263°41'55''	7.574	-1.229	179°50'08''	-7.574	0.022	3063193.058	627184.550	1315.892	
	227	1.5	326°20'04''	11.550	-2.204	242°28'17''	-5.338	-10.242	3063195.294	627174.286	1314.917	
	228	1.5	295°09'58''	9.068	-2.375	211°18'11"	-7.748	-4.711	3063192.884	627179.817	1314.746	
	229	1.5	296°51'29''	13.132	-2.558	212°59'42''	-11.014	-7.151	3063189.618	627177.377	1314.563	
	230	1.5	96°44'28''	6.651	0.157	12°52'41''	6.484	1.482	3063207.116	627186.011	1317.278	
	231	1.5	96°01'03''	7.751	0.414	12°09'16''	7.577	1.632	3063208.209	627186.161	1317.535	
	232	1.5	95°07'51''	10.792	0.608	11°16'04''	10.584	2.109	3063211.216	627186.637	1317.729	
	233	1.5	94°15'26''	13.047	1.386	10°23'39''	12.833	2.354	3063213.465	627186.883	1318.507	
	234	2.15	78°32'28''	13.152	2.097	354°40'41''	13.095	-1.220	3063213.727	627183.309	1318.568	
	235	2.15	62°01'27''	14.137	2.138	338°09'40''	13.122	-5.259	3063213.755	627179.270	1318.609	
	236	2.15	56°40'28''	11.424	1.174	332°48'41''	10.162	-5.220	3063210.794	627179.309	1317.645	
	237	2.15	41°14'16''	7.894	0.655	317°22'29''	5.808	-5.346	3063206.441	627179.183	1317.126	
	238	1.5	317°39'12''	15.946	-2.671	233°47'25"	-9.420	-12.866	3063191.212	627171.662	1314.450	
	239	1.5	157°27'14''	10.127	0.074	73°35'27''	2.861	9.715	3063203.493	627194.243	1317.195	
	240	1.5	141°26'21''	13.390	0.513	57°34'34''	7.179	11.303	3063207.812	627195.831	1317.634	
	241	1.5	158°57'22''	19.253	0.113	75°05'35''	4.953	18.605	3063205.585	627203.134	1317.234	
	242	1.5	164°09'12''	25.914	0.308	80°17'25''	4.371	25.543	3063205.003	627210.071	1317.429	
	243	1.5	200°43'00''	17.181	-0.326	116°51'13"	-7.761	15.328	3063192.871	627199.857	1316.795	
	244	1.5	330°02'19''	14.268	-2.633	246°10'32''	-5.763	-13.052	3063194.869	627171.476	1314.488	
	245	1.5	328°08'10''	16.232	-3.246	244°16'23''	-7.046	-14.623	3063193.586	627169.906	1313.875	
	246	1.5	340°35'46''	11.755	-2.217	256°43'59''	-2.698	-11.441	3063197.935	627173.087	1314.904	
	247	2.15	03°45'27''	13.168	-1.169	279°53'40''	2.263	-12.972	3063202.895	627171.557	1315.302	
	248	2.15	355°23'51''	10.112	-0.479	271°32'04''	0.271	-10.108	3063200.903	627174.420	1315.992	
	249	2.15	05°48'57''	21.247	-1.110	281°57'10''	4.400	-20.786	3063205.033	627163.742	1315.361	
	250	2.15	06°09'54''	29.312	-1.111	282°18'07''	6.245	-28.639	3063206.877	627155.890	1315.360	
	251	2.15	05°44'41''	34.943	-0.587	281°52'54''	7.194	-34.194	3063207.827	627150.334	1315.884	
	252	2.15	334°03'58''	21.026	-2.228	250°12'11''	-7.121	-19.783	3063193.511	627164.745	1314.243	
	253	2.15	05°44'21''	37.887	0.089	281°52'34''	7.797	-37.076	3063208.429	627147.453	1316.560	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal III.	Observation	112. Distance	vert. Distance		Latitude	Departure	Northing	Easting	Level	Remarks
	254	2.15	335°48'17''	31.878	-2.211	251°56'30''	-9.882	-30.308	3063190.750	627154.221	1314.260	
	255	2.15	07°52'06''	42.381	1.178	284°00'19''	10.257	-41.121	3063210.889	627143.407	1317.649	
	256	2.15	05°22'13''	46.600	1.342	281°30'26"	9.296	-45.663	3063209.928	627138.865	1317.813	
	257	2.15	342°31'27''	32.977	-2.175	258°39'40''	-6.484	-32.333	3063194.149	627152.195	1314.296	
	258	2.15	03°20'37''	44.426	0.136	279°28'50''	7.318	-43.819	3063207.950	627140.709	1316.607	
	259	2.15	342°31'08''	32.917	-2.168	258°39'21"	-6.475	-32.274	3063194.157	627152.255	1314.303	
	260	2.15	02°26'53''	41.036	-0.499	278°35'06''	6.126	-40.576	3063206.758	627143.952	1315.972	
	261	1.7	354°58'07''	56.936	-0.599	271°06'20''	1.099	-56.925	3063201.731	627127.603	1316.322	
m5	m6		00°00'00''			350°24'46''			3063208.015	627115.8645	1318.344	
1.58	262	1.5	297°55'19''	16.454	0.409	288°20'05"	5.176	-15.619	3063213.191	627100.246	1318.833	
	263	1.5	329°44'50''	12.868	0.517	320°09'36"	9.881	-8.244	3063217.895	627107.621	1318.941	
	264	1.5	300°44'05''	12.340	0.377	291°08'51"	4.452	-11.509	3063212.467	627104.356	1318.801	
	265	1.8	283°33'38''	19.522	0.703	273°58'24"	1.353	-19.475	3063209.368	627096.389	1318.827	
	266	1.8	278°28'52''	25.389	0.784	268°53'38''	-0.490	-25.384	3063207.525	627090.480	1318.908	
	267	1.8	274°17'20''	26.339	0.257	264°42'06''	-2.432	-26.226	3063205.583	627089.638	1318.381	
	268	1.8	276°46'31''	9.459	0.535	267°11'17''	-0.464	-9.448	3063207.551	627106.417	1318.659	
	269	1.8	337°44'13''	4.262	0.363	328°08'59''	3.620	-2.249	3063211.635	627113.615	1318.487	
	270	1.8	17°19'45''	0.655	0.641	07°44'31''	0.649	0.088	3063208.664	627115.953	1318.765	
	271	1.8	33°06'58''	9.816	0.834	23°31'44''	9.000	3.919	3063217.015	627119.783	1318.958	
	272	1.8	51°58'29''	10.993	0.637	42°23'15''	8.119	7.411	3063216.134	627123.275	1318.761	
	273	1.8	62°21'39''	8.563	0.723	52°46'25''	5.180	6.818	3063213.195	627122.683	1318.847	
	274	1.8	76°25'03''	3.833	0.295	66°49'49''	1.508	3.524	3063209.523	627119.388	1318.419	
	275	1.8	344°52'45''	13.842	1.076	335°17'31"	12.575	-5.786	3063220.590	627110.079	1319.200	
	276	1.8	348°48'45''	14.001	1.071	339°13'31"	13.091	-4.966	3063221.106	627110.898	1319.195	
	277	1.8	346°29'50''	14.821	1.130	336°54'36''	13.634	-5.812	3063221.649	627110.052	1319.254	
	278	1.8	344°02'15''	14.413	1.096	334°27'01''	13.004	-6.216	3063221.018	627109.648	1319.220	
	279	1.8	357°34'00''	21.952	1.851	347°58'46''	21.471	-4.572	3063229.486	627111.293	1319.975	
	280	1.8	354°30'46''	1.925	1.690	344°55'32''	1.859	-0.501	3063209.874	627115.364	1319.814	
	281	1.8	357°03'46''	19.832	1.808	347°28'32''	19.360	-4.301	3063227.375	627111.564	1319.932	
	282	1.8	348°13'47''	17.297	0.914	338°38'33''	16.109	-6.299	3063224.124	627109.565	1319.038	
	283	1.8	72°37'16''	1.981	0.252	63°02'02''	0.898	1.766	3063208.913	627117.630	1318.376	
	284	1.8	87°47'15''	1.878	0.057	78°12'01''	0.384	1.838	3063208.399	627117.703	1318.181	
	285	1.8	108°59'23''	1.770	-0.102	99°24'09''	-0.289	1.746	3063207.726	627117.611	1318.022	
	286	1.8	97°21'48''	2.338	-0.301	87°46'34''	0.091	2.336	3063208.106	627118.201	1317.823	
	287	1.8	49°47'59''	2.980	0.390	40°12'45''	2.276	1.924	3063210.291	627117.788	1318.514	
	288	1.8	61°15'12''	4.241	0.317	51°39'58''	2.630	3.327	3063210.645	627119.191	1318.441	

Ins. St	Ciabaad 4a	Cional III	HCR	II- Dietemas	Vant Dietamas	Dooring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Damadia
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	289	1.8	75°33'38''	3.900	0.320	65°58'24''	1.588	3.562	3063209.603	627119.427	1318.444	
	290	1.8	85°38'37''	4.052	0.132	76°03'23''	0.976	3.933	3063208.991	627119.797	1318.256	
	291	1.8	90°01'39''	3.676	-0.051	80°26'25''	0.610	3.625	3063208.625	627119.489	1318.073	
	292	1.8	95°35'54''	3.682	-0.286	86°00'40''	0.256	3.673	3063208.271	627119.538	1317.838	
	293	1.8	95°45'14''	4.793	-0.304	86°10'00''	0.320	4.782	3063208.335	627120.647	1317.820	
	294	1.8	147°17'04''	1.713	-0.131	137°41'50''	-1.267	1.153	3063206.748	627117.017	1317.993	
	295	1.8	157°11'38''	2.847	-0.369	147°36'24''	-2.404	1.525	3063205.611	627117.390	1317.755	
	296	1.8	150°34'36''	4.523	-0.998	140°59'22''	-3.515	2.847	3063204.500	627118.712	1317.126	
	297	1.8	146°16'50''	5.534	-1.132	136°41'36"	-4.027	3.796	3063203.988	627119.660	1316.992	
	298	1.8	151°10'35''	9.685	-1.174	141°35'21"	-7.589	6.017	3063200.426	627121.882	1316.950	
	299	1.8	146°35'24''	7.652	-1.671	137°00'10''	-5.597	5.218	3063202.418	627121.083	1316.453	
	300	1.8	156°25'52''	6.822	-1.459	146°50'38''	-5.711	3.731	3063202.304	627119.596	1316.665	
	301	1.8	142°44'27''	8.524	-1.785	133°09'13''	-5.830	6.218	3063202.185	627122.083	1316.339	
	302	1.8	143°49'51''	10.088	-2.270	134°14'37''	-7.039	7.227	3063200.976	627123.091	1315.854	
	303	1.8	140°06'06''	12.459	-2.366	130°30'52"	-8.094	9.472	3063199.921	627125.336	1315.758	
	304	1.8	139°16'04''	14.153	-2.461	129°40'50''	-9.037	10.892	3063198.978	627126.757	1315.663	
	305	1.8	154°26'40''	12.040	-2.379	144°51'26"	-9.845	6.930	3063198.170	627122.795	1315.745	
m6	m7		00°00'00''			280°57'16''			3063242.105	627110.1064	1323.286	
1.369	306	0.12	167°13'16''	30.435	-1.667	88°10'32''	0.969	30.420	3063243.074	627140.526	1322.868	
	307	1.5	108°17'15''	6.123	0.464	29°14'31''	5.343	2.991	3063247.448	627113.098	1323.619	
	308	1.5	75°32'15''	5.916	0.469	356°29'31"	5.905	-0.362	3063248.010	627109.744	1323.624	
	309	1.5	161°03'43''	17.300	-0.466	82°00'59''	2.403	17.132	3063244.508	627127.239	1322.689	
	310	1.5	118°56'04''	5.739	-0.439	39°53'20''	4.403	3.680	3063246.509	627113.787	1322.716	
	311	1.5	130°27'06''	4.324	-0.375	51°24'22''	2.697	3.380	3063244.803	627113.486	1322.780	
	312	1.5	55°31'37''	3.753	-0.328	336°28'53''	3.441	-1.498	3063245.546	627108.609	1322.827	
	313	1.5	64°51'41''	5.429	-0.366	345°48'57''	5.263	-1.330	3063247.369	627108.776	1322.789	
	314	1.7	18°43'07''	14.165	-0.143	299°40'23''	7.012	-12.307	3063249.118	627097.799	1322.812	
	315	1.5	243°40'20''	4.626	0.131	164°37'36''	-4.460	1.226	3063237.645	627111.333	1323.286	
	316	1.5	265°48'38''	7.399	0.015	186°45'54''	-7.347	-0.872	3063234.758	627109.235	1323.170	
	317	1.5	280°04'59''	7.825	-0.013	201°02'15"	-7.303	-2.809	3063234.802	627107.297	1323.142	
	318	1.5	276°08'24''	8.057	-0.076	197°05'40''	-7.701	-2.368	3063234.404	627107.738	1323.079	
	319	1.5	299°38'30''	8.046	0.061	220°35'46''	-6.109	-5.236	3063235.996	627104.871	1323.216	
	320	1.5	315°53'21''	6.804	0.202	236°50'37''	-3.721	-5.696	3063238.384	627104.410	1323.357	
	321	1.5	314°42'40''	5.442	0.140	235°39'56''	-3.069	-4.494	3063239.036	627105.613	1323.295	
	322	1.5	316°07'01''	3.977	0.145	237°04'17''	-2.162	-3.338	3063239.943	627106.768	1323.300	
	323	1.5	322°32'44''	4.793	0.159	243°30'00''	-2.139	-4.289	3063239.967	627105.817	1323.314	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance		Latitude	Departure	Northing	Easting	Level	Remarks
	324	1.5	309°10'12''	4.341	0.142	230°07'28''	-2.783	-3.331	3063239.322	627106.775	1323.297	
	325	1.5	316°20'02''	4.777	0.064	237°17'18''	-2.582	-4.019	3063239.524	627106.087	1323.219	
	326	1.5	335°42'16''	4.509	0.255	256°39'32''	-1.040	-4.387	3063241.065	627105.719	1323.410	
	327	1.5	346°49'08''	5.146	0.367	267°46'24"	-0.200	-5.142	3063241.905	627104.964	1323.522	
	328	1.5	331°23'16''	7.044	0.375	252°20'32"	-2.137	-6.712	3063239.969	627103.394	1323.530	
	329	1.5	329°52'56''	8.519	0.456	250°50'12"	-2.796	-8.047	3063239.309	627102.059	1323.611	
	330	1.5	323°34'16''	10.153	0.462	244°31'32"	-4.367	-9.166	3063237.738	627100.941	1323.617	
	331	1.5	332°18'29''	10.454	0.868	253°15'45"	-3.011	-10.011	3063239.095	627100.095	1324.023	
	332	1.5	331°34'39''	11.824	0.990	252°31'55"	-3.549	-11.279	3063238.556	627098.828	1324.145	
	333	1.5	312°05'29''	12.501	0.534	233°02'45"	-7.515	-9.990	3063234.590	627100.117	1323.689	
	334	1.5	260°23'04''	1.653	-0.153	181°20'20''	-1.653	-0.039	3063240.453	627110.068	1323.002	
	335	1.5	199°31'20''	3.195	-0.593	120°28'36"	-1.620	2.754	3063240.485	627112.860	1322.562	
	336	1.5	205°20'23''	6.050	-1.163	126°17'39''	-3.581	4.876	3063238.524	627114.983	1321.992	
	337	1.5	213°30'21''	8.491	-1.668	134°27'37''	-5.947	6.060	3063236.158	627116.167	1321.487	
	338	1.5	219°42'00''	9.544	-2.194	140°39'16''	-7.381	6.051	3063234.725	627116.157	1320.961	
	339	1.5	278°29'27''	10.369	-2.615	199°26'43''	-9.778	-3.452	3063232.328	627106.655	1320.540	
	340	1.5	155°12'36''	3.101	0.297	76°09'52''	0.742	3.011	3063242.847	627113.117	1323.452	
	341	1.5	103°20'40''	4.955	-0.063	24°17'56''	4.516	2.039	3063246.621	627112.145	1323.092	
	342	1.5	188°46'35''	6.611	-0.609	109°43'51"	-2.232	6.223	3063239.873	627116.329	1322.546	
	343	1.5	190°28'55''	9.065	-1.196	111°26'11"	-3.313	8.438	3063238.792	627118.544	1321.959	
	344	1.5	237°04'30''	3.677	-0.903	158°01'46''	-3.410	1.376	3063238.695	627111.482	1322.252	
	345	1.5	34°58'24''	3.516	1.110	315°55'40''	2.526	-2.446	3063244.631	627107.661	1324.265	
	346	1.5	29°38'53''	4.474	0.636	310°36'09''	2.912	-3.397	3063245.017	627106.710	1323.791	
	347	1.5	02°26'26''	8.079	0.263	283°23'42"	1.872	-7.859	3063243.977	627102.247	1323.418	
	348	2.15	33°33'20''	7.108	-0.763	314°30'36''	4.983	-5.069	3063247.088	627105.038	1321.742	
	349	2.15	18°51'04''	12.191	0.011	299°48'20''	6.060	-10.578	3063248.165	627099.528	1322.516	
	350	1.5	13°26'19''	11.808	0.490	294°23'35"	4.877	-10.754	3063246.982	627099.352	1323.645	
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m7	m8		00°00'00''			323°09'44''			3063248.686	627076.1053	1324.208	
1.465	351	1.5	123°55'50''	10.251	-0.530	87°05'34''	0.520	10.238	3063249.206	627086.343	1323.643	
	352	1.5	116°32'17''	14.767	-1.153	79°42'01''	2.640	14.529	3063251.326	627090.634	1323.020	
	353	1.5	124°58'50''	14.599	-0.839	88°08'34''	0.473	14.591	3063249.159	627090.697	1323.334	
	354	1.5	125°32'47''	16.977	-1.046	88°42'31''	0.383	16.973	3063249.069	627093.078	1323.127	
	355	1.5	130°45'28''	19.477	-0.187	93°55'12''	-1.332	19.431	3063247.355	627095.537	1323.986	
	356	1.5	06°50'19''	28.457	3.000	330°00'03''	24.645	-14.228	3063273.331	627061.877	1327.173	
	357	1.5	137°16'28''	21.450	-0.556	100°26'12''	-3.886	21.095	3063244.801	627097.200	1323.617	
	358	1.5	130°56'43''	18.311	-0.468	94°06'27''	-1.312	18.264	3063247.375	627094.369	1323.705	

Ins. St	Ciahtad ta	Cianal Ut	HCR	Uz Distance	Vert Distance	Pagring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Domorko
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	359	1.5	43°08'21''	4.580	-1.316	06°18'05''	4.552	0.503	3063253.238	627076.608	1322.857	
	360	1.5	143°22'22''	18.008	-0.547	106°32'06''	-5.125	17.263	3063243.561	627093.369	1323.626	
	361	1.5	150°15'28''	18.530	-0.343	113°25'12"	-7.365	17.003	3063241.321	627093.109	1323.830	
	362	1.5	171°49'35''	5.766	-0.578	134°59'19''	-4.076	4.078	3063244.610	627080.183	1323.595	
	363	1.5	215°47'47''	11.159	-0.614	178°57'31"	-11.157	0.203	3063237.529	627076.308	1323.559	
	364	1.5	194°33'48''	16.254	-0.591	157°43'32"	-15.041	6.161	3063233.645	627082.266	1323.582	
	365	1.5	180°26'09''	17.610	-0.558	143°35'53"	-14.174	10.451	3063234.512	627086.556	1323.615	
	366	1.5	172°09'42''	17.371	-0.555	135°19'26''	-12.352	12.214	3063236.334	627088.319	1323.618	
	367	1.5	157°20'47''	17.066	-0.596	120°30'31"	-8.664	14.703	3063240.022	627090.809	1323.577	
	368	1.5	146°30'52''	10.364	-0.624	109°40'36"	-3.490	9.759	3063245.196	627085.864	1323.549	
	369	1.5	193°40'33''	3.471	-0.287	156°50'17''	-3.191	1.365	3063245.495	627077.471	1323.886	
	370	1.5	229°49'24''	14.903	-0.327	192°59'08''	-14.522	-3.349	3063234.164	627072.757	1323.846	
	371	1.5	253°33'45''	4.552	-0.360	216°43'29''	-3.649	-2.722	3063245.038	627073.383	1323.813	
	372	1.5	117°56'09''	4.169	-0.281	81°05'53''	0.645	4.119	3063249.331	627080.224	1323.892	
	373	1.5	102°02'13''	4.741	-0.759	65°11'57''	1.989	4.304	3063250.675	627080.409	1323.414	
	374	1.5	06°38'10''	2.843	-0.340	329°47'54"	2.457	-1.430	3063251.143	627074.675	1323.833	
	375	1.5	78°52'06''	3.477	-0.879	42°01'50''	2.583	2.328	3063251.269	627078.433	1323.294	
	376	1.5	67°34'10''	3.488	-1.107	30°43'54''	2.998	1.782	3063251.684	627077.888	1323.066	
	377	1.5	52°01'13''	3.066	-1.083	15°10'57''	2.959	0.803	3063251.645	627076.908	1323.090	
	378	1.5	355°03'11''	2.420	0.042	318°12'55"	1.804	-1.613	3063250.491	627074.493	1324.215	
	379	1.5	356°54'40''	13.108	0.586	320°04'24"	10.052	-8.413	3063258.738	627067.693	1324.759	
	380	1.5	359°41'03''	25.375	1.123	322°50'47''	20.224	-15.325	3063268.911	627060.780	1325.296	
	381	1.5	01°55'19''	34.873	1.540	325°05'03"	28.596	-19.960	3063277.282	627056.145	1325.713	
	382	1.5	03°21'21''	40.688	1.484	326°31'05"	33.936	-22.447	3063282.622	627053.659	1325.657	
	383	1.5	05°37'22''	39.290	1.481	328°47'06''	33.602	-20.362	3063282.288	627055.743	1325.654	
	384	1.5	359°44'51''	43.940	1.612	322°54'35"	35.050	-26.499	3063283.736	627049.606	1325.785	
	385	1.5	359°57'05''	38.086	1.550	323°06'49"	30.462	-22.860	3063279.148	627053.245	1325.723	
	386	1.5	356°55'35''	22.271	1.167	320°05'19"	17.083	-14.289	3063265.769	627061.816	1325.340	
	387	1.5	355°30'48''	19.205	1.289	318°40'32"	14.423	-12.681	3063263.109	627063.424	1325.462	
	388	1.5	351°19'21''	17.662	0.879	314°29'05"	12.376	-12.601	3063261.062	627063.505	1325.052	
	389	1.5	354°05'31''	16.130	1.103	317°15'15"	11.845	-10.948	3063260.532	627065.157	1325.276	
	390	2.15	343°51'45''	15.635	1.834	307°01'29''	9.415	-12.483	3063258.101	627063.623	1325.357	
	391	2.15	350°05'34''	13.601	1.687	313°15'18"	9.320	-9.906	3063258.006	627066.200	1325.210	
	392	2.15	348°19'05''	11.979	1.942	311°28'49''	7.934	-8.974	3063256.621	627067.131	1325.465	
	393	1.5	344°38'47''	8.185	0.769	307°48'31"	5.018	-6.467	3063253.704	627069.639	1324.942	
	394	1.5	328°06'50''	7.106	1.319	291°16'34"	2.579	-6.622	3063251.265	627069.484	1325.492	
	395	2.15	290°28'51''	9.369	1.796	253°38'35"	-2.639	-8.990	3063246.048	627067.116	1325.319	
	396	2.15	286°00'19''	8.934	1.159	249°10'03"	-3.177	-8.350	3063245.509	627067.755	1324.682	

Ins. St	Sighted to	Signal Ht	HCR	Hz. Distance	Vert. Distance	Pooring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Sighted to	Signal Ht.	Observation	nz. Distance	vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Kemarks
	397	1.5	61°18'21''	2.374	-0.614	24°28'05''	2.161	0.983	3063250.847	627077.089	1323.559	
	398	1.5	34°13'30''	2.324	-0.336	357°23'14''	2.322	-0.106	3063251.008	627075.999	1323.837	
	399	1.5	13°33'57''	3.578	-0.368	336°43'41''	3.287	-1.414	3063251.973	627074.692	1323.805	
	400	1.5	15°09'10''	4.322	-0.759	338°18'54''	4.016	-1.597	3063252.702	627074.508	1323.414	
	401	1.5	05°39'47''	6.387	-0.356	328°49'31"	5.465	-3.306	3063254.151	627072.799	1323.817	
	402	1.5	09°25'25''	6.586	-0.740	332°35'09''	5.846	-3.032	3063254.533	627073.073	1323.433	
	403	1.5	01°32'49''	9.659	0.059	324°42'33"	7.884	-5.580	3063256.570	627070.525	1324.232	
	404	1.5	05°40'46''	9.541	-0.586	328°50'30"	8.165	-4.937	3063256.851	627071.169	1323.587	
	405	1.3	144°56'10''	7.564	-0.424	108°05'54''	-2.350	7.190	3063246.336	627083.295	1323.949	
	406	1.5	125°54'13''	6.085	-0.265	89°03'57''	0.099	6.084	3063248.785	627082.190	1323.908	
m8	m9		00°00'00''		0.000	199°11'38''			3063293.724	627042.3663	1325.944	
1.39	407	1.5	163°07'46''	17.934	-0.251	02°19'24''	17.919	0.727	3063311.643	627043.093	1325.583	
	408	1.5	175°03'41''	17.232	-0.282	14°15'19''	16.701	4.243	3063310.425	627046.610	1325.552	
	409	1.5	325°38'08''	2.860	-0.058	164°49'46''	-2.760	0.748	3063290.963	627043.115	1325.776	
	410	1.5	03°11'19''	26.368	0.236	202°22'57''	-24.381	-10.041	3063269.342	627032.326	1326.070	
	411	1.5	355°41'23''	18.375	0.065	194°53'01''	-17.759	-4.720	3063275.965	627037.647	1325.899	
	412	1.5	10°31'27''	26.718	0.250	209°43'05''	-23.204	-13.245	3063270.520	627029.121	1326.084	
	413	1.5	357°23'58''	44.427	0.323	196°35'36''	-42.577	-12.687	3063251.147	627029.679	1326.157	
	414	1.5	08°14'48''	36.083	0.364	207°26'26''	-32.023	-16.628	3063261.700	627025.738	1326.198	
	415	1.5	315°09'17''	6.575	-0.425	154°20'55''	-5.927	2.846	3063287.797	627045.213	1325.409	
	416	1.5	329°44'32''	5.711	-0.303	168°56'10''	-5.605	1.096	3063288.119	627043.462	1325.531	
	417	1.5	14°46'38''	38.870	-0.497	213°58'16''	-32.236	-21.720	3063261.488	627020.647	1325.337	
	418	2	353°32'23''	29.811	0.169	192°44'01''	-29.078	-6.571	3063264.646	627035.795	1325.503	
	419	1.8	12°34'22''	45.305	0.789	211°46'00''	-38.518	-23.851	3063255.205	627018.515	1326.323	
	420	0.12	70°33'53''	29.574	0.882	269°45'31''	-0.125	-29.574	3063293.599	627012.793	1328.096	
	421	1.5	14°22'07''	45.722	1.485	213°33'45''	-38.099	-25.277	3063255.624	627017.089	1327.319	
	422	1.5	83°17'57''	33.280	2.248	282°29'35''	7.199	-32.492	3063300.923	627009.874	1328.082	
	423	1.5	17°32'22''	36.392	1.486	216°44'00''	-29.166	-21.766	3063264.558	627020.601	1327.320	
	424	1.5	85°06'06''	48.656	2.228	284°17'44''	12.014	-47.149	3063305.738	626995.217	1328.062	
	425	1.5	57°23'54''	25.111	0.591	256°35'32''	-5.823	-24.427	3063287.901	627017.940	1326.425	
	426	1.45	30°32'05''	39.680	1.496	229°43'43''	-25.650	-30.275	3063268.074	627012.091	1327.380	
	427	1.45	55°14'18''	25.676	1.847	254°25'56''	-6.891	-24.734	3063286.833	627017.632	1327.731	
	428	2.15	156°06'12''	17.959	-0.101	355°17'50''	17.899	-1.472	3063311.622	627040.894	1325.083	
	429	2.1	38°20'17''	43.730	2.102	237°31'55''	-23.476	-36.895	3063270.248	627005.472	1327.336	
	430	0.12	79°55'26''	28.426	0.884	279°07'04''	4.505	-28.067	3063298.228	627014.300	1328.098	
	431	1.5	136°43'37''	18.185	0.086	335°55'15"	16.603	-7.419	3063310.326	627034.947	1325.920	

Ins. St	Ciahtad ta	Cianal Ht	HCR	Uz Dietoneo	Vert Distance	Dooring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	432	1.5	145°48'46''	18.036	-0.367	345°00'24"	17.422	-4.666	3063311.146	627037.700	1325.467	
	433	2	150°51'12''	18.326	-0.222	350°02'50"	18.050	-3.167	3063311.774	627039.199	1325.112	
	434	2	152°59'15''	16.614	-0.202	352°10'53"	16.460	-2.260	3063310.183	627040.106	1325.132	
	435	2	144°16'13''	17.000	0.110	343°27'51"	16.297	-4.838	3063310.020	627037.528	1325.444	
	436	2	142°17'19''	13.446	-0.498	341°28'57"	12.750	-4.270	3063306.473	627038.096	1324.836	
	437	1.5	86°54'37''	43.090	2.472	286°06'15"	11.952	-41.399	3063305.676	627000.967	1328.306	
	438	1.5	130°36'06''	13.278	-0.185	329°47'44"	11.475	-6.680	3063305.199	627035.686	1325.649	
	439	1.5	88°56'57''	38.386	2.545	288°08'35"	11.953	-36.478	3063305.677	627005.889	1328.379	
	440	1.5	138°43'01''	10.039	-0.237	337°54'39''	9.302	-3.775	3063303.026	627038.591	1325.597	
	441	1.5	79°35'42''	26.832	2.208	278°47'20"	4.100	-26.517	3063297.823	627015.849	1328.042	
	442	1.5	119°07'07''	12.059	0.419	318°18'45"	9.005	-8.020	3063302.729	627034.346	1326.253	
	443	1.5	102°24'54''	10.341	0.147	301°36'32"	5.420	-8.807	3063299.143	627033.559	1325.981	
	444	1.5	79°01'20''	22.423	1.859	278°12'58''	3.204	-22.193	3063296.928	627020.173	1327.693	
	445	1.5	97°34'53''	8.232	-0.743	296°46'31"	3.708	-7.349	3063297.432	627035.017	1325.091	
	446	1.5	63°49'01''	23.931	1.960	263°00'39"	-2.912	-23.753	3063290.812	627018.613	1327.794	
	447	1.5	72°37'31''	7.441	-0.216	271°49'09''	0.236	-7.437	3063293.960	627034.929	1325.618	
	448	1.3	70°57'26''	25.683	1.960	270°09'04''	0.068	-25.683	3063293.791	627016.683	1327.994	
	449	1.5	74°16'04''	9.820	0.185	273°27'42"	0.593	-9.802	3063294.316	627032.564	1326.019	
	450	1.5	86°51'01''	11.171	-0.982	286°02'39"	3.087	-10.736	3063296.811	627031.630	1324.852	
	451	1.5	105°26'30''	13.197	0.827	304°38'08''	7.501	-10.858	3063301.224	627031.508	1326.661	
	452	1.5	49°02'43''	33.092	2.335	248°14'21"	-12.268	-30.734	3063281.455	627011.632	1328.169	
	453	1.5	92°42'45''	14.826	1.087	291°54'23"	5.531	-13.755	3063299.255	627028.611	1326.921	
	454	1.5	41°02'45''	14.826	1.057	240°14'23"	-7.359	-12.871	3063286.364	627029.496	1326.891	
	455	1.5	103°28'57''	16.335	1.041	302°40'35"	8.819	-13.750	3063302.543	627028.617	1326.875	
	456	1.5	55°50'33''	17.474	1.255	255°02'11"	-4.512	-16.881	3063289.212	627025.485	1327.089	
	457	1.5	133°36'54''	16.923	0.604	332°48'32"	15.053	-7.733	3063308.776	627034.633	1326.438	
	458	1.5	53°07'28''	23.634	1.464	252°19'06''	-7.178	-22.517	3063286.545	627019.849	1327.298	
	459	1.5	103°33'33''	22.465	0.904	302°45'11"	12.154	-18.893	3063305.878	627023.473	1326.738	
	460	1.5	34°48'27''	26.548	1.542	234°00'05"	-15.604	-21.478	3063278.120	627020.888	1327.376	
	461	1.5	98°21'07''	24.615	1.308	297°32'45''	11.383	-21.825	3063305.107	627020.542	1327.142	
	462	1.5	37°48'58''	36.647	1.595	237°00'36"	-19.954	-30.738	3063273.770	627011.628	1327.429	
	463	1.5	106°56'22''	31.734	1.067	306°08'00''	18.712	-25.630	3063312.436	627016.736	1326.901	
	464	1.5	114°56'14''	33.048	0.340	314°07'52"	23.011	-23.720	3063316.735	627018.646	1326.174	
	465	1.5	19°21'31''	38.273	1.382	218°33'09''	-29.931	-23.853	3063263.793	627018.513	1327.216	
	466	1.5	111°10'02''	35.494	0.908	310°21'40''	22.986	-27.046	3063316.710	627015.321	1326.742	
	467	1.5	19°29'19''	32.713	0.733	218°40'57''	-25.536	-20.446	3063268.187	627021.921	1326.567	
	468	1.5	95°43'11''	35.300	1.635	294°54'49''	14.870	-32.015	3063308.594	627010.351	1327.469	
	469	1.5	23°38'19''	22.840	0.106	222°49'57"	-16.750	-15.528	3063276.974	627026.838	1325.940	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Remarks
m9	m10		00°00'00''			275°20'14"			3063212.113	627013.9559	1327.570	
1.31	470	1.3	42°10'49''	29.311	0.620	317°31'03''	21.616	-19.796	3063233.729	626994.160	1328.200	
	471	1.3	27°33'50''	37.782	0.613	302°54'04''	20.523	-31.722	3063232.636	626982.234	1328.193	
	472	1.3	351°35'22''	16.774	0.255	266°55'36''	-0.899	-16.750	3063211.214	626997.206	1327.835	
	473	1.3	144°00'07''	35.437	1.046	59°20'21''	18.071	30.483	3063230.184	627044.439	1328.626	
	474	1.3	341°41'22''	18.850	0.285	257°01'36''	-4.232	-18.369	3063207.881	626995.587	1327.865	
	475	1.3	355°55'54''	37.740	0.992	271°16'08''	0.836	-37.731	3063212.949	626976.225	1328.572	
	476	1.3	72°13'58''	8.937	-0.428	347°34'12"	8.728	-1.924	3063220.840	627012.032	1327.152	
	477	2	96°17'03''	38.541	-0.500	11°37'17''	37.751	7.764	3063249.864	627021.720	1326.380	
	478	1.3	103°08'31''	33.613	-1.165	18°28'45''	31.880	10.654	3063243.993	627024.610	1326.415	
	479	1.3	101°13'54''	8.388	-0.474	16°34'08''	8.040	2.392	3063220.153	627016.348	1327.106	
	480	1.3	304°53'35''	5.281	-0.010	220°13'49''	-4.032	-3.411	3063208.081	627010.545	1327.570	
	481	1.3	257°05'50''	4.918	-0.505	172°26'04''	-4.875	0.648	3063207.238	627014.603	1327.075	
	482	1.3	70°45'19''	35.123	-0.450	346°05'33"	34.093	-8.442	3063246.206	627005.514	1327.130	
	483	1.3	75°48'19''	43.232	-0.175	351°08'33"	42.716	-6.657	3063254.829	627007.299	1327.405	
	484	1.3	112°25'04''	34.324	-1.397	27°45'18''	30.375	15.984	3063242.488	627029.940	1326.183	
	485	1.3	199°58'01''	26.670	-0.479	115°18'15"	-11.399	24.111	3063200.714	627038.067	1327.101	
	486	1.3	217°00'32''	9.098	-1.431	132°20'46''	-6.128	6.724	3063205.984	627020.680	1326.149	
	487	1.3	321°12'42''	30.440	-0.204	236°32'56''	-16.779	-25.398	3063195.334	626988.558	1327.376	
	488	1.3	323°10'17''	10.249	0.145	238°30'31''	-5.354	-8.740	3063206.759	627005.216	1327.725	
	489	1.3	23°39'08''	47.741	1.392	298°59'22''	23.138	-41.759	3063235.251	626972.196	1328.972	
	490	1.3	10°36'05''	5.933	-0.170	285°56'19''	1.629	-5.705	3063213.742	627008.251	1327.410	
	491	1.3	75°38'22''	12.868	-0.725	350°58'36"	12.709	-2.018	3063224.822	627011.938	1326.855	
	492	1.3	71°21'00''	13.523	-1.196	346°41'14"	13.160	-3.114	3063225.273	627010.842	1326.384	
	493	1.3	29°12'12''	7.434	-0.979	304°32'26''	4.215	-6.124	3063216.328	627007.832	1326.601	
	494	1.3	25°21'38''	9.749	-0.148	300°41'52''	4.977	-8.383	3063217.090	627005.573	1327.432	
	495	1.3	58°44'14''	13.951	-0.166	334°04'28''	12.547	-6.099	3063224.660	627007.856	1327.414	
	496	1.3	70°24'08''	17.878	-0.212	345°44'22''	17.327	-4.404	3063229.440	627009.552	1327.368	
	497	1.3	67°54'11''	22.649	-0.075	343°14'25"	21.687	-6.531	3063233.800	627007.425	1327.505	
	498	1.3	79°41'01''	23.337	-1.026	355°01'15"	23.249	-2.026	3063235.362	627011.930	1326.554	
	499	1.3	85°49'59''	23.627	-1.428	01°10'13''	23.622	0.483	3063235.735	627014.438	1326.152	
	500	1.3	89°14'25''	22.379	-0.952	04°34'39''	22.308	1.786	3063234.421	627015.742	1326.628	
	501	1.3	82°20'24''	33.816	-0.780	357°40'38''	33.788	-1.371	3063245.901	627012.585	1326.800	
	502	1.3	90°31'33''	32.843	-1.596	05°51'47''	32.671	3.355	3063244.784	627017.311	1325.984	
	503	1.3	93°24'00''	34.367	-1.010	08°44'14''	33.968	5.220	3063246.081	627019.176	1326.570	
	504	1.3	92°27'27''	41.209	-1.473	07°47'41''	40.828	5.589	3063252.941	627019.545	1326.107	

Ins. St	Ciabbad ba	Cianal III	HCR	II- Dietemas	Vant Distance	Dagwing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Domonika
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	505	1.3	86°59'48''	42.821	-0.302	02°20'02''	42.785	1.744	3063254.898	627015.700	1327.278	
	506	1.3	82°58'06''	36.969	-0.161	358°18'20"	36.953	-1.093	3063249.066	627012.863	1327.419	
	507	1.3	82°26'43''	33.649	-0.796	357°46'57"	33.624	-1.302	3063245.737	627012.654	1326.784	
	508	1.3	79°15'10''	33.233	-0.129	354°35'24"	33.085	-3.133	3063245.198	627010.823	1327.451	
	509	1.3	74°41'55''	28.463	-0.123	350°02'09''	28.034	-4.925	3063240.147	627009.031	1327.457	
	510	1.3	74°30'43''	24.919	-0.912	349°50'57''	24.529	-4.392	3063236.642	627009.564	1326.668	
	511	1.3	82°11'24''	27.960	-0.996	357°31'38''	27.934	-1.206	3063240.047	627012.750	1326.584	
	512	1.3	66°49'56''	30.529	-0.017	342°10'10"	29.063	-9.348	3063241.175	627004.608	1327.563	
	513	1.3	57°50'03''	25.482	0.037	333°10'17"	22.739	-11.501	3063234.852	627002.455	1327.617	
	514	1.3	27°32'58''	18.614	-0.032	302°53'12"	10.107	-15.631	3063222.220	626998.325	1327.548	
	515	1.3	07°37'53''	20.079	0.436	282°58'07''	4.506	-19.567	3063216.619	626994.389	1328.016	
	516	1.3	35°44'14''	22.109	0.552	311°04'28"	14.526	-16.667	3063226.639	626997.289	1328.132	
	517	1.5	64°14'05''	32.290	0.685	339°34'19"	30.259	-11.270	3063242.372	627002.686	1328.065	
	518	1.3	27°39'00''	30.073	0.635	302°59'14"	16.373	-25.225	3063228.486	626988.731	1328.215	
	519	1.3	09°15'45''	30.285	0.613	284°35'59''	7.634	-29.307	3063219.747	626984.649	1328.193	
	520	1.3	21°45'11''	48.675	0.908	297°05'25"	22.166	-43.335	3063234.279	626970.621	1328.488	
	521	1.3	22°02'53''	52.231	1.863	297°23'07''	24.025	-46.378	3063236.138	626967.578	1329.443	
	522	1.3	16°51'48''	53.464	1.860	292°12'02"	20.201	-49.501	3063232.314	626964.455	1329.440	
	523	1.3	108°48'12''	7.492	-0.517	24°08'26''	6.837	3.064	3063218.950	627017.020	1327.063	
	524	1.3	129°23'59''	8.174	-1.793	44°44'13''	5.806	5.753	3063217.919	627019.709	1325.787	
	525	1.3	116°12'36''	16.295	-1.852	31°32'50''	13.887	8.526	3063226.000	627022.481	1325.728	
	526	1.3	104°47'11''	17.296	-0.850	20°07'25''	16.240	5.951	3063228.353	627019.907	1326.730	
	527	1.3	104°44'13''	28.430	-1.185	20°04'27''	26.703	9.758	3063238.816	627023.714	1326.395	
	528	1.3	109°11'52''	29.104	-1.404	24°32'06''	26.476	12.085	3063238.589	627026.041	1326.176	
	529	1.3	111°34'50''	29.031	-2.302	26°55'04''	25.886	13.143	3063237.999	627027.099	1325.278	
	530	1.3	112°31'18''	24.175	-1.979	27°51'32''	21.373	11.297	3063233.486	627025.253	1325.601	
	531	1.3	327°40'13''	14.525	0.031	243°00'27''	-6.593	-12.943	3063205.520	627001.013	1327.611	
	532	1.5	328°20'34''	16.134	-0.055	243°40'48''	-7.154	-14.461	3063204.959	626999.494	1327.325	
	533	1.5	345°25'48''	22.615	0.368	260°46'02''	-3.628	-22.322	3063208.484	626991.634	1327.748	
	534	1.5	342°15'32''	23.463	0.077	257°35'46''	-5.040	-22.915	3063207.073	626991.041	1327.457	
m10	M17		00°00'00''			307°58'31"			3063218.843	626941.9191	1329.601	
1.349	535	1.3	356°39'58''	12.892	0.706	304°38'29''	7.328	-10.607	3063226.172	626931.313	1330.356	
	536	1.3	12°50'16''	14.016	0.776	320°48'47''	10.864	-8.856	3063229.707	626933.063	1330.426	
	537	1.3	353°02'45"	32.546	1.450	301°01'16"	16.773	-27.891	3063235.616	626914.028	1331.100	
	538	2	347°38'15''	25.147	1.777	295°36'46''	10.871	-22.676	3063229.714	626919.243	1330.727	
	539	1.3	151°34'59''	33.782	-1.334	99°33'30''	-5.610	33.313	3063213.234	626975.232	1328.316	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	540	1.3	145°40'40''	37.061	-1.148	93°39'11''	-2.361	36.986	3063216.482	626978.905	1328.502	
	541	2.17	88°42'49''	11.530	1.254	36°41'20''	9.246	6.889	3063228.089	626948.808	1330.034	
	542	2.55	359°47'22''	30.689	1.807	307°45'53''	18.795	-24.261	3063237.638	626917.659	1330.207	
	543	2.15	346°34'18''	11.136	0.757	294°32'49''	4.626	-10.130	3063223.470	626931.790	1329.557	
	544	1.5	158°51'25''	6.215	0.526	106°49'56''	-1.800	5.949	3063217.044	626947.868	1329.976	
	545	1.5	348°36'23''	4.123	0.043	296°34'54''	1.845	-3.687	3063220.688	626938.232	1329.493	
	546	1.5	136°02'09''	9.644	0.109	84°00'40''	1.006	9.591	3063219.849	626951.511	1329.559	
	547	1.5	152°41'40''	9.831	-0.610	100°40'11''	-1.820	9.661	3063217.023	626951.580	1328.840	
	548	1.3	151°20'28''	26.782	-0.850	99°18'59''	-4.336	26.429	3063214.508	626968.348	1328.800	
	549	1.3	156°56'08''	26.127	-1.304	104°54'39''	-6.723	25.247	3063212.120	626967.166	1328.346	
M17	M16		00°00'00''			29°53'00''			3063242.544	626911.5561	1331.401	
1.45	550	1.3	324°43'29''	8.845	-0.271	354°36'29''	8.806	-0.831	3063251.350	626910.725	1331.280	
	551	1.3	331°32'33"	24.586	-0.433	01°25'33''	24.578	0.612	3063267.123	626912.168	1331.118	
	552	1.3	333°48'31''	31.601	-0.475	03°41'31''	31.535	2.035	3063274.080	626913.591	1331.076	
	553	1.3	337°14'55''	39.796	-0.572	07°07'55''	39.488	4.941	3063282.032	626916.497	1330.979	
	554	1.3	331°33'20''	45.119	-0.504	01°26'20''	45.105	1.133	3063287.649	626912.689	1331.047	
	555	1.3	323°40'01''	51.944	-0.349	353°33'01"	51.615	-5.835	3063294.159	626905.721	1331.202	
	556	1.3	317°44'51''	79.748	-0.247	347°37'51''	77.897	-17.083	3063320.441	626894.473	1331.304	
	557	1.3	324°08'06''	73.107	0.060	354°01'06''	72.709	-7.618	3063315.253	626903.938	1331.611	
	558	1.3	333°36'09''	53.414	-0.490	03°29'09''	53.315	3.248	3063295.859	626914.804	1331.061	
	559	1.3	313°48'46''	24.644	0.122	343°41'46''	23.653	-6.918	3063266.197	626904.638	1331.673	
	560	1.3	317°03'34''	21.493	-0.229	346°56'34''	20.937	-4.856	3063263.481	626906.700	1331.322	
	561	1.3	316°25'47''	31.427	-0.266	346°18'47''	30.535	-7.436	3063273.079	626904.120	1331.285	
	562	1.3	174°32'53''	22.704	0.093	204°25'53"	-20.671	-9.390	3063221.873	626902.166	1331.644	
	563	1.3	97°29'02''	30.966	0.305	127°22'02''	-18.794	24.611	3063223.750	626936.167	1331.856	
	564	1.3	194°37'06''	34.399	0.733	224°30'06''	-24.534	-24.111	3063218.010	626887.445	1332.284	
	565	1.3	213°48'59''	45.103	2.515	243°41'59''	-19.984	-40.434	3063222.560	626871.122	1334.066	
	566	1.3	214°30'58''	40.002	2.116	244°23'58''	-17.285	-36.075	3063225.260	626875.481	1333.667	
	567	1.3	181°43'34''	20.100	-0.099	211°36'34''	-17.118	-10.535	3063225.426	626901.021	1331.452	
	568	1.9	07°59'25''	79.481	-1.192	37°52'25''	62.740	48.795	3063305.284	626960.351	1329.759	
	569	1.8	35°43'30''	9.724	-0.989	65°36'30''	4.016	8.856	3063246.560	626920.412	1330.062	
	570	1.3	298°24'35''	3.951	0.037	328°17'35''	3.361	-2.077	3063245.905	626909.480	1331.588	
	571	1.3	296°55'48''	27.681	-0.108	326°48'48''	23.166	-15.152	3063265.710	626896.404	1331.443	
	572	1.3	271°34'55''	25.084	0.169	301°27'55''	13.093	-21.396	3063255.638	626890.161	1331.720	
	573	1.3	262°15'15''	35.652	0.534	292°08'15''	13.435	-33.024	3063255.979	626878.532	1332.085	
	574	1.3	294°12'35''	18.608	-0.175	324°05'35''	15.072	-10.913	3063257.616	626900.643	1331.376	

Ins. St	Ciahtad ta	Cianal Ut	HCR	Uz Dietanea	Vert Distance	Pagring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Sighted to	Signal Ht.	Observation	Hz. Distance	Vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	575	1.3	288°32'08''	15.764	-0.562	318°25'08"	11.792	-10.462	3063254.336	626901.094	1330.989	
	576	1.3	299°04'08''	27.125	-0.108	328°57'08''	23.239	-13.990	3063265.783	626897.566	1331.443	
	577	1.3	256°07'36''	10.722	0.016	286°00'36"	2.957	-10.306	3063245.501	626901.250	1331.567	
	578	1.3	288°30'49''	22.930	0.058	318°23'49"	17.146	-15.225	3063259.690	626896.331	1331.609	
	579	1.3	269°13'42''	22.023	0.745	299°06'42"	10.714	-19.241	3063253.259	626892.315	1332.296	
	580	1.3	250°13'45''	21.627	0.464	280°06'45"	3.797	-21.291	3063246.341	626890.265	1332.015	
	581	1.3	227°20'20''	22.984	0.623	257°13'20"	-5.083	-22.415	3063237.461	626889.141	1332.174	
	582	1.3	224°59'25''	23.212	0.165	254°52'25"	-6.057	-22.408	3063236.487	626889.148	1331.716	
	583	1.3	223°25'26''	23.424	0.528	253°18'26"	-6.728	-22.437	3063235.816	626889.119	1332.079	
	584	1.5	249°12'08''	11.199	-0.184	279°05'08''	1.768	-11.058	3063244.313	626900.498	1331.167	
	585	1.3	207°52'00''	16.632	0.192	237°45'00"	-8.875	-14.066	3063233.669	626897.490	1331.743	
	586	1.5	208°08'24''	14.873	-0.338	238°01'24''	-7.876	-12.616	3063234.668	626898.940	1331.013	
	587	1.5	208°09'52''	12.741	0.389	238°02'52"	-6.743	-10.811	3063235.801	626900.746	1331.740	
	588	1.5	229°27'22''	10.724	0.390	259°20'22"	-1.984	-10.539	3063240.560	626901.017	1331.741	
	589	1.5	186°13'11''	19.325	0.388	216°06'11"	-15.614	-11.387	3063226.930	626900.169	1331.739	
	590	1.5	222°23'37''	12.421	-0.357	252°16'37"	-3.781	-11.831	3063238.763	626899.725	1330.994	
	591	1.5	191°57'13''	20.039	-0.390	221°50'13"	-14.930	-13.366	3063227.614	626898.190	1330.961	
	592	1.5	192°13'07''	20.641	0.394	222°06'07''	-15.315	-13.839	3063227.229	626897.717	1331.745	
	593	1.5	222°33'25''	33.471	1.430	252°26'25"	-10.098	-31.911	3063232.446	626879.645	1332.781	
	594	1.5	234°28'39''	49.494	4.589	264°21'39"	-4.863	-49.254	3063237.681	626862.302	1335.940	
	595	1.5	237°42'05''	45.840	2.538	267°35'05"	-1.932	-45.799	3063240.612	626865.757	1333.889	
	596	1.5	243°06'48''	4.523	2.824	272°59'48"	0.236	-4.517	3063242.781	626907.039	1334.175	
	597	1.5	241°42'14''	36.230	2.421	271°35'14"	1.004	-36.216	3063243.548	626875.340	1333.772	
	598	1.5	241°38'53''	28.765	1.368	271°31'53"	0.769	-28.755	3063243.313	626882.801	1332.719	
	599	1.5	248°37'00''	37.355	1.812	278°30'00''	5.521	-36.945	3063248.066	626874.611	1333.163	
	600	1.5	237°40'36''	44.553	1.910	267°33'36"	-1.897	-44.513	3063240.647	626867.044	1333.261	
	601	1.5	258°00'37''	42.912	0.807	287°53'37"	13.185	-40.836	3063255.729	626870.720	1332.158	
	602	1.5	251°32'45''	37.196	0.768	281°25'45"	7.371	-36.458	3063249.915	626875.098	1332.119	
	603	1.5	259°07'45''	32.092	0.691	289°00'45"	10.455	-30.341	3063252.999	626881.215	1332.042	
	604	1.5	224°35'48''	40.604	2.556	254°28'48"	-10.865	-39.123	3063231.680	626872.433	1333.907	
	605	1.5	230°48'21"	50.217	3.523	260°41'21"	-8.125	-49.555	3063234.420	626862.001	1334.874	
	606	2	129°58'52''	4.681	0.201	159°51'52"	-4.395	1.611	3063238.149	626913.168	1331.052	
	607	2	359°58'37''	5.094	0.355	29°51'37''	4.418	2.536	3063246.962	626914.092	1331.206	
	608	2.15	37°06'28''	8.381	-0.562	66°59'28''	3.276	7.714	3063245.820	626919.270	1330.139	
	609	2.15	78°07'15''	6.604	-0.618	108°00'15"	-2.041	6.281	3063240.503	626917.837	1330.083	
	610	2.15	18°46'32''	13.117	-0.343	48°39'32''	8.664	9.848	3063251.208	626921.404	1330.358	
	611	2.15	356°01'10''	11.067	0.287	25°54'10''	9.955	4.835	3063252.499	626916.391	1330.988	
	612	2.15	356°47'36''	15.018	-0.276	26°40'36''	13.419	6.742	3063255.964	626918.299	1330.425	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Kemarks
	613	2.15	350°41'20''	22.182	0.177	20°34'20''	20.767	7.794	3063263.312	626919.351	1330.878	
	614	2.15	04°36'59''	29.830	-0.512	34°29'59''	24.584	16.896	3063267.128	626928.452	1330.189	
	615	2.15	355°22'56''	40.226	-0.511	25°15'56''	36.378	17.169	3063278.922	626928.725	1330.190	
	616	2.15	06°05'22''	40.664	-0.514	35°58'22''	32.909	23.886	3063275.453	626935.442	1330.187	
	617	2.15	18°05'50''	46.278	-0.704	47°58'50''	30.978	34.381	3063273.522	626945.937	1329.997	
	618	2.15	11°55'07''	56.840	-0.998	41°48'07''	42.372	37.887	3063284.916	626949.443	1329.703	
	619	2.15	08°37'26''	65.222	-0.820	38°30'26''	51.038	40.608	3063293.582	626952.164	1329.881	
	620	2.15	03°14'31''	68.292	-1.220	33°07'31''	57.193	37.320	3063299.737	626948.876	1329.481	
	621	2.15	17°59'59''	50.837	-1.592	47°52'59''	34.094	37.710	3063276.638	626949.266	1329.109	
	622	2.15	34°15'52''	35.553	-1.709	64°08'52''	15.503	31.995	3063258.047	626943.551	1328.992	
	623	2.15	33°53'24''	31.337	-0.682	63°46'24''	13.849	28.111	3063256.393	626939.667	1330.019	
M16	M15		00°00'00''			88°26'35''			3063342.816	626969.1765	1328.838	
1.413	624	2	56°57'25''	44.848	-0.159	145°24'00''	-36.916	25.467	3063305.900	626994.643	1328.092	
	625	2	67°06'59''	52.134	0.548	155°33'34''	-47.462	21.570	3063295.353	626990.747	1327.386	
	626	2	103°55'32''	37.273	0.850	192°22'07''	-36.408	-7.984	3063306.408	626961.193	1327.688	
	627	2	91°36'52''	27.272	0.984	180°03'27''	-27.272	-0.027	3063315.544	626969.149	1327.822	
	628	2	151°31'06''	23.416	1.129	239°57'41''	-11.722	-20.271	3063331.094	626948.905	1327.967	
	629	2	142°00'42''	38.350	1.826	230°27'17''	-24.417	-29.573	3063318.399	626939.604	1328.664	
	630	2	142°35'19''	16.289	0.927	231°01'54''	-10.244	-12.665	3063332.572	626956.512	1327.765	
	631	2	74°39'50''	1.957	0.364	163°06'25''	-1.873	0.569	3063340.943	626969.745	1327.202	
	632	2	348°43'07''	23.392	-0.795	77°09'42''	5.198	22.807	3063348.014	626991.984	1326.043	
	633	1.3	351°02'45''	41.026	-0.278	79°29'20''	7.484	40.338	3063350.300	627009.514	1327.260	
	634	1.3	354°08'56''	56.212	-3.152	82°35'31''	7.248	55.743	3063350.063	627024.919	1324.386	
	635	1.3	358°56'00''	56.680	-3.289	87°22'35''	2.595	56.621	3063345.410	627025.797	1324.249	
	636	1.3	356°55'15''	41.203	-2.443	85°21'50''	3.330	41.068	3063346.146	627010.245	1325.095	
	637	1.3	01°54'55''	19.763	-1.451	90°21'30''	-0.124	19.763	3063342.692	626988.939	1326.087	
	638	1.3	62°36'42''	6.893	-0.595	151°03'17''	-6.032	3.336	3063336.784	626972.512	1326.943	
	639	1.3	128°37'15''	21.789	0.310	217°03'50''	-17.387	-13.132	3063325.429	626956.044	1327.848	
	640	2	102°33'42''	36.496	0.827	191°00'17''	-35.825	-6.967	3063306.991	626962.210	1327.665	
	641	2	101°41'24''	33.731	0.953	190°07'59''	-33.205	-5.934	3063309.611	626963.242	1327.791	
	642	2	88°50'18''	24.999	0.602	177°16'53''	-24.971	1.186	3063317.845	626970.362	1327.440	
	643	2	96°21'40''	19.914	0.479	184°48'15''	-19.844	-1.668	3063322.972	626967.509	1327.317	
	644	2	104°56'46''	17.254	0.413	193°23'21''	-16.785	-3.995	3063326.031	626965.181	1327.251	
	645	2	84°47'28''	15.985	0.221	173°14'03''	-15.874	1.883	3063326.942	626971.060	1327.059	
	646	2	67°54'34''	14.282	-0.450	156°21'09''	-13.083	5.729	3063329.733	626974.905	1326.388	
	647	2	55°43'10''	17.370	-0.180	144°09'45''	-14.082	10.170	3063328.734	626979.346	1326.658	

Ins. St	Sighted to	Signal Ht.	HCR	Uz Dietanea	Vert. Distance	Pagring	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	Hz. Distance	vert. Distance	Bearing	Latitude	Departure	Northing	Easting	Level	Kemarks
	648	2	65°23'57''	21.022	-0.709	153°50'32"	-18.869	9.267	3063323.947	626978.444	1326.129	
	649	2	73°41'32''	26.221	-0.170	162°08'07''	-24.957	8.044	3063317.859	626977.220	1326.668	
	650	2	81°32'19''	22.831	-0.291	169°58'54''	-22.483	3.972	3063320.333	626973.148	1326.547	
	651	2	81°43'29''	35.050	0.443	170°10'04''	-34.535	5.985	3063308.281	626975.162	1327.281	
	652	2	72°02'42''	36.050	0.215	160°29'17''	-33.980	12.041	3063308.836	626981.217	1327.053	
	653	2	64°47'40''	34.340	-0.081	153°14'15"	-30.662	15.463	3063312.154	626984.640	1326.757	
	654	2	59°35'28''	37.379	-0.638	148°02'03''	-31.711	19.789	3063311.105	626988.965	1326.200	
	655	2	48°14'17''	33.947	-0.802	136°40'52"	-24.698	23.290	3063318.118	626992.466	1326.036	
	656	2	32°35'06''	33.438	-0.817	121°01'41''	-17.236	28.654	3063325.580	626997.830	1326.021	
	657	2	40°56'35''	38.252	-0.583	129°23'10''	-24.273	29.564	3063318.543	626998.741	1326.255	
	658	2	40°07'36''	42.652	-1.059	128°34'11"	-26.592	33.347	3063316.224	627002.524	1325.779	
	659	2	48°06'07''	46.612	-0.112	136°32'42"	-33.836	32.059	3063308.979	627001.235	1326.726	
M15	M14		00°00'00''			106°19'18''			3063345.86	627081.1736	1323.297	
1.410	660	1.3	146°49'24''	33.313	0.921	253°08'42"	-9.659	-31.882	3063336.201	627049.292	1324.328	
	661	1.3	160°05'25''	67.272	3.415	266°24'43''	-4.210	-67.140	3063341.650	627014.033	1326.822	
	662	1.3	149°05'59''	31.601	1.047	255°25'17''	-7.954	-30.584	3063337.906	627050.590	1324.454	
	663	1.3	162°57'26''	21.605	0.538	269°16'44''	-0.272	-21.603	3063345.588	627059.570	1323.945	
	664	1.3	147°00'14''	18.980	0.436	253°19'32''	-5.446	-18.182	3063340.414	627062.992	1323.843	
	665	1.3	32°10'19''	19.536	-0.538	138°29'37''	-14.630	12.947	3063331.230	627094.120	1322.869	
	666	1.3	01°58'20''	49.313	-0.739	108°17'38''	-15.479	46.821	3063330.381	627127.994	1322.668	
	667	1.3	355°57'25''	49.048	-0.885	102°16'43''	-10.431	47.926	3063335.429	627129.100	1322.522	
	668	1.3	95°57'01''	0.000	0.000	202°16'19''	0.000	0.000	3063345.860	627081.174	1323.407	
	669	1.3	18°13'34''	38.860	-0.416	124°32'52"	-22.037	32.007	3063323.823	627113.181	1322.991	
	670	1.3	15°16'57''	43.637	-0.468	121°36'15"	-22.868	37.165	3063322.992	627118.339	1322.939	
	671	1.3	97°11'09''	12.906	0.170	203°30'27''	-11.835	-5.148	3063334.025	627076.026	1323.577	
	672	1.5	115°24'15''	22.841	0.915	221°43'33"	-17.047	-15.202	3063328.813	627065.971	1324.122	
	673	1.3	102°01'53''	22.445	0.720	208°21'11''	-19.752	-10.659	3063326.108	627070.514	1324.127	
	674	1.3	17°16'45''	28.702	-0.309	123°36'03''	-15.884	23.906	3063329.976	627105.080	1323.098	
	675	1.3	16°06'59''	22.615	-0.419	122°26'17''	-12.130	19.086	3063333.730	627100.260	1322.988	
	676	1.3	11°54'17''	26.592	-0.493	118°13'35"	-12.577	23.430	3063333.283	627104.603	1322.914	
	677	1.3	20°56'23''	23.581	-0.215	127°15'41''	-14.277	18.768	3063331.583	627099.941	1323.192	
	678	1.3	59°28'02''	11.791	-0.066	165°47'20''	-11.430	2.895	3063334.430	627084.068	1323.341	
	679	1.3	29°21'03''	20.768	-0.183	135°40'21"	-14.857	14.512	3063331.004	627095.685	1323.224	
	680	1.3	24°22'30''	17.724	-0.359	130°41'48''	-11.557	13.438	3063334.303	627094.611	1323.048	
	681	1.3	10°04'41''	14.740	-0.349	116°23'59''	-6.554	13.203	3063339.306	627094.376	1323.058	
	682	1.3	357°28'26''	27.253	-0.550	103°47'44''	-6.499	26.467	3063339.361	627107.640	1322.857	

Ins. St	Sighted to	Signal Ht.	HCR	Hz. Distance	Vert. Distance	Bearing	Consecutive	Coordinates	Independent	Coordinates	Reduced	Remarks
& HI	Signited to	Signal Ht.	Observation	nz. Distance	vert. Distance	bearing	Latitude	Departure	Northing	Easting	Level	Remarks
	683	1.3	39°43'33''	15.938	-0.193	146°02'51''	-13.221	8.901	3063332.640	627090.075	1323.214	
	684	1.3	55°28'24''	11.246	-0.013	161°47'42''	-10.683	3.513	3063335.177	627084.687	1323.394	
	685	1.3	70°05'37''	11.612	0.008	176°24'55"	-11.589	0.726	3063334.271	627081.900	1323.415	
	686	1.3	72°57'44''	12.913	-0.102	179°17'02''	-12.912	0.161	3063332.948	627081.335	1323.305	
	687	1.3	72°34'05''	11.731	0.006	178°53'23"	-11.729	0.227	3063334.131	627081.401	1323.413	
	688	1.3	175°22'25''	10.625	0.244	281°41'43''	2.154	-10.404	3063348.014	627070.769	1323.651	
	689	1.3	132°41'03''	13.722	0.336	239°00'21"	-7.066	-11.763	3063338.794	627069.411	1323.743	
	690	1.3	128°59'54''	15.425	0.378	235°19'12''	-8.777	-12.685	3063337.083	627068.489	1323.785	
	691	1.3	102°45'09''	16.153	0.288	209°04'27''	-14.118	-7.849	3063331.743	627073.324	1323.695	
	692	1.3	114°47'03''	18.362	0.523	221°06'21"	-13.836	-12.072	3063332.024	627069.101	1323.930	
	693	1.3	127°27'19''	24.240	0.794	233°46'37''	-14.324	-19.555	3063331.536	627061.619	1324.201	
	694	1.3	132°16'42''	31.528	1.176	238°36'00''	-16.426	-26.911	3063329.434	627054.263	1324.583	
	695	1.3	129°18'55''	32.126	1.011	235°38'13"	-18.133	-26.519	3063327.727	627054.654	1324.418	
	696	1.3	125°56'52''	38.306	1.606	232°16'10''	-23.441	-30.296	3063322.419	627050.877	1325.013	
	697	1.3	165°24'35''	17.866	0.451	271°43'53"	0.540	-17.858	3063346.400	627063.316	1323.858	
	698	1.3	163°22'18''	14.877	0.308	269°41'36''	-0.080	-14.877	3063345.780	627066.297	1323.715	
	699	1.5	168°22'19''	17.873	0.249	274°41'37''	1.463	-17.813	3063347.323	627063.360	1323.456	
	700	1.3	168°57'04''	20.659	0.332	275°16'22"	1.899	-20.572	3063347.759	627060.602	1323.739	