

CARTERA DE CAMPO Y CALCULO
LEVANTAMIENTO TOPOGRÁFICO MUNICIPIO SAN JUAN DE URABA
ANTIOQUIA (COLOMBIA)

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1				1061780.51	1459987.03	21.318	1.5	GPS3
2	282.0116	90.0645	49.0658	1061732.52	1459997.25	21.4218	1.3	GPS3-GPS4
3	177.0934	94.1034	37.3031	1061782.35	1459949.87	18.4016	1.7	GPS3-D1
4	357.0932	85.0531	37.3434	1061780.51	1459987.03	21.3267	1.7	D1-GPS3
5	176.5113	93.1513	82.0783	1061786.85	1459868.05	13.8735	1.3	D1-D2
6	356.5113	86.3602	82.0833	1061782.35	1459949.86	18.4112	1.7	D2-D1
7	157.1218	117.3126	25.0232	1061795.45	1459847.59	2.3798	1.3	D2-D3
8	337.1215	62.4403	24.9639	1061786.85	1459868.05	13.8813	1.3	D3-D2
9	355.2115	68.1719	11.8927	1061794.55	1459858.6	6.8443	1.3	CORONA
10	83.4606	104.0155	2.4331	1061797.79	1459847.85	1.8549	1.3	LAMINA
11	159.3319	94.5756	7.5034	1061798.06	1459840.59	0.2953	2.8	NIVEL
12	148.0745	95.3844	12.3553	1061801.94	1459837.15	-1.3706	3.9	NIVEL
13	147.2632	90.2118	17.4092	1061804.81	1459832.92	-1.3631	5	NIVEL
14	135.2721	86.1034	20.2085	1061809.59	1459833.22	0.0926	5	NIVEL
15	147.1453	92.2836	26.3861	1061809.71	1459825.42	0.9046	1.7	NIVEL
16	144.3409	90.494	31.831	1061813.9	1459821.66	1.585	1.7	NIVEL
17	142.0428	90.2108	36.0175	1061817.58	1459819.18	1.8234	1.7	LAMINA
18	139.3946	86.1309	45.8082	1061825.03	1459812.75	5.0654	1.7	CORONA
19	139.4242	87.233	70.7793	1061841.17	1459793.66	5.266	1.7	NIVEL
20	151.1135	88.0229	97.3156	1061842.31	1459762.37	5.3716	1.7	NIVEL
21	173.0406	86.4614	51.7252	1061801.68	1459796.33	5.3589	1.3	NIVEL
22	178.531	88.1444	101.6894	1061797.42	1459745.97	5.559	1.3	NIVEL
23	216.3725	89.0959	96.6706	1061737.78	1459770.01	5.1519	0	CORONA
24	221.0828	90.1806	107.6095	1061724.65	1459766.55	1.879	1.3	LAMINA
25	239.0913	88.0951	159.6046	1061658.49	1459765.8	7.1593	1.7	NIVEL
26	240.5824	88.1514	159.6408	1061655.92	1459770.17	8.6109	0	CORONA
27	237.0256	90.0345	159.5043	1061661.6	1459760.83	1.8725	1.7	LAMINA
28	224.3004	89.2251	158.9714	1061684.03	1459734.21	4.1646	1.3	CORONA
29	213.485	89.2005	161.7826	1061705.42	1459713.18	4.325	1.3	NIVEL
30	207.0236	89.1911	166.6785	1061719.67	1459699.15	4.4257	1.3	NIVEL
31	235.3759	90.2805	157.7554	1061665.23	1459758.54	-0.3419	2.8	NIVEL
32	233.3223	90.1614	156.4115	1061669.65	1459754.64	-0.8923	3.9	NIVEL
33	232.29	90.1541	159.2109	1061669.16	1459750.63	-0.8795	3.9	NIVEL
34	229.5958	90.1838	160.3147	1061672.64	1459744.54	-1.0222	3.9	NIVEL
35	227.5154	90.0457	161.5322	1061675.66	1459739.22	-0.3863	3.9	NIVEL
36	226.2917	89.1843	162.5291	1061677.58	1459735.7	1.7983	3.9	LAMINA
37	232.5101	90.0146	337.5976	1061526.36	1459643.71	1.8788	1.7	LAMINA
38	231.4659	90.0742	335.7061	1061531.69	1459639.91	0.2003	2.8	NIVEL
39	231.3702	90.0215	336.1884	1061531.91	1459638.85	-0.3667	3.9	NIVEL
40	230.2451	90.1015	336.8515	1061535.84	1459632.94	-1.1522	3.9	NIVEL
41	229.0656	90.0926	337.9372	1061539.95	1459626.4	-1.0743	3.9	NIVEL
42	228.1705	90.0636	336.6735	1061544.13	1459623.56	-0.7939	3.9	NIVEL
43	227.4328	90.0326	335.6464	1061547.09	1459621.8	-0.4823	3.9	NIVEL
44	227.1231	89.394	335.3777	1061549.34	1459619.76	1.8358	3.9	LAMINA
45	229.39	89.3929	508.2209	1061408.14	1459518.55	5.0962	1.7	D3-D4
46	49.3906	90.2034	508.2195	1061795.45	1459847.58	2.3977	1.4	D4-D3
47	40.2157	89.3845	147.9216	1061503.94	1459631.25	6.0354	1.7	CORONA
48	30.4619	89.3857	150.0223	1061484.89	1459647.44	6.24	1.5	NIVEL
49	21.4057	89.3308	156.0963	1061465.81	1459663.59	6.5415	1.5	NIVEL
50	35.3651	89.3827	72.3986	1061450.3	1459577.4	5.5743	1.7	CORONA
51	0.5954	89.3428	88.0195	1061409.67	1459606.55	5.7744	1.7	NIVEL
52	13.0932	89.2908	78.3685	1061425.98	1459594.85	5.8239	1.7	NIVEL
53	39.2401	92.4213	71.4474	1061453.44	1459573.69	1.7501	1.7	LAMINA
54	41.3227	93.015	73.2362	1061456.64	1459573.29	0.1483	2.8	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
55	46.063	92.5916	70.51	1061458.88	1459567.36	-0.7547	3.9	NIVEL
56	49.4136	92.5319	70.2238	1061461.62	1459563.91	-0.6187	3.9	NIVEL
57	54.4102	92.3914	70.4379	1061465.55	1459559.22	-0.3411	3.9	NIVEL
58	59.4508	92.1459	72.8489	1061471.02	1459555.21	0.0605	3.9	NIVEL
59	63.3738	92.4631	75.6851	1061475.87	1459552.13	0.3559	2.8	NIVEL
60	65.5014	92.3411	75.8197	1061477.24	1459549.55	0.6208	2.8	NIVEL
61	66.4454	92.2648	76.0336	1061477.93	1459548.53	1.8745	1.7	LAMINA
62	75.1007	90.0619	75.9507	1061481.56	1459537.99	5.3809	1.3	CORONA
63	91.2332	89.574	89.4815	1061497.59	1459516.37	5.5811	1.3	NIVEL
64	108.3643	89.5352	90.9015	1061494.28	1459489.53	5.6826	1.3	NIVEL
65	62.4323	90.15	109.1615	1061505.16	1459568.57	5.7444	0.6	CORONA
66	85.0735	90.0508	118.0722	1061525.78	1459528.58	6.0444	0.6	NIVEL
67	126.4151	92.1709	41.6132	1061441.48	1459493.7	3.8603	1.3	CORONA
68	126.415	90.5101	91.6014	1061481.57	1459463.81	4.1614	1.3	NIVEL
69	126.055	95.4223	37.0306	1061437.91	1459496.84	1.8381	1.3	LAMINA
70	181.5204	91.5007	72.9765	1061405.76	1459445.65	3.1833	1.3	CORONA
71	181.5206	90.5658	122.9578	1061404.13	1459395.67	3.4836	1.3	NIVEL
72	125.2045	95.0026	34.0226	1061435.78	1459498.94	-0.0495	2.8	NIVEL
73	123.0214	96.312	28.7931	1061432.12	1459502.95	-0.3505	3.9	NIVEL
74	122.1515	98.1459	21.9454	1061426.5	1459506.95	-0.2288	3.9	NIVEL
75	123.0211	106.5806	13.5103	1061418.97	1459511.5	-1.0229	3.9	NIVEL
76	130.2504	110.2113	8.1991	1061413.99	1459513.56	0.0682	3.9	NIVEL
77	134.3558	127.1818	7.0732	1061412.14	1459514.6	0.8332	1.7	NIVEL
78	134.0943	122.3812	6.0506	1061411.79	1459515	1.8569	1.7	LAMINA
79	191.4859	91.4112	99.5677	1061387.76	1459421.13	2.5899	1.3	NIVEL
80	186.0444	88.4854	100.0457	1061397.54	1459419.08	7.5896	1.3	CORONA
81	165.0819	88.4653	111.3881	1061436.7	1459410.91	7.8895	1.3	NIVEL
82	194.4518	92.0945	97.0864	1061383.43	1459424.73	1.857	1.3	LAMINA
83	218.0807	89.3751	77.0942	1061360.53	1459457.91	5.6172	1.7	CORONA
84	239.2352	89.3103	82.7297	1061336.93	1459476.43	5.8172	1.7	NIVEL
85	251.0533	89.301	91.9123	1061321.19	1459488.76	5.9182	1.7	NIVEL
86	214.2324	92.2716	76.9729	1061364.7	1459455.08	1.8241	1.7	LAMINA
87	212.2031	93.0818	80.3899	1061365.19	1459450.73	0.7195	1.7	NIVEL
88	209.2459	93.1855	81.3569	1061368.24	1459447.8	0.4154	1.7	NIVEL
89	209.1254	90.5417	173.6578	1061323.39	1459367	2.7804	1.3	NIVEL
90	211.5111	87.3633	173.9823	1061316.4	1459370.89	12.7802	1.3	CORONA
91	225.1639	87.3233	180.8811	1061279.73	1459391.38	13.2784	1.3	NIVEL
92	204.2607	92.3057	83.0551	1061373.81	1459443	-0.7254	3.9	NIVEL
93	210.2114	91.1226	172.5995	1061320.93	1459369.64	1.886	1.3	LAMINA
94	197.5247	92.2858	86.7453	1061381.53	1459436.07	-0.8374	3.9	NIVEL
95	195.0842	92.1044	88.1394	1061385.13	1459433.53	-0.4305	3.9	NIVEL
96	215.18	90.3158	228.9495	1061275.84	1459331.7	3.394	1.3	D4-D5
97	35.1802	89.2938	228.9531	1061408.14	1459518.55	5.4503	1.4	D5-D4
98	243.3433	80.1646	39.0889	1061241.34	1459314.55	9.724	1.7	CORONA
99	201.2504	82.3333	52.4821	1061256.84	1459283.25	9.9208	1.7	NIVEL
100	191.0828	83.4607	63.4557	1061263.65	1459269.81	10.0121	1.7	NIVEL
101	256.2729	92.1022	34.8923	1061241.94	1459323.54	1.8011	1.7	LAMINA
102	17.5937	97.2744	10.4427	1061279.04	1459341.55	1.7678	1.7	LAMINA
103	355.2429	97.3829	16.3296	1061274.55	1459347.83	-1.2474	3.9	NIVEL
104	345.5206	95.2852	19.8833	1061271.01	1459350.89	-0.9752	3.9	NIVEL
105	337.0539	94.2232	23.3473	1061266.78	1459353.14	-0.8572	3.9	NIVEL
106	331.0326	93.2118	29.7857	1061261.45	1459357.72	-0.8191	3.9	NIVEL
107	330.3445	91.1904	34.2062	1061259.04	1459361.49	0.1374	3.9	NIVEL
108	331.1728	90.0316	36.7945	1061258.17	1459363.97	0.8892	3.9	NIVEL
109	331.083	91.5805	37.3938	1061257.8	1459364.43	1.8398	1.7	LAMINA
110	331.5604	90.4031	39.8821	1061257.08	1459366.89	2.6541	1.7	CORONA
111	331.5915	90.1436	87.7651	1061234.62	1459409.18	2.752	1.7	NIVEL
112	331.591	90.0642	62.7552	1061246.37	1459387.1	3.0019	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
113	293.1029	90.0435	58.4102	1061222.14	1459354.69	4.7464	0	CORONA
114	296.2849	89.5558	104.4173	1061182.38	1459378.26	4.9473	0	NIVEL
115	296.244	89.5003	76.4411	1061207.38	1459365.7	5.0457	0	NIVEL
116	292.2609	91.2004	53.8755	1061226.06	1459352.26	1.8694	1.7	LAMINA
117	289.1041	92.0845	53.2782	1061225.56	1459349.19	0.0292	2.8	NIVEL
118	284.3901	91.0919	54.3052	1061223.31	1459345.43	-0.1708	3.9	NIVEL
119	278.4158	91.2838	49.4599	1061226.97	1459339.18	-0.3508	3.9	NIVEL
120	273.461	90.5149	46.6286	1061229.32	1459334.76	0.2214	3.9	NIVEL
121	266.5306	90.5425	42.8809	1061233.03	1459329.37	0.2455	3.9	NIVEL
122	260.23	91.05	39.6083	1061236.8	1459325.08	0.1753	3.9	NIVEL
123	279.5844	89.5339	119.6332	1061158.02	1459352.43	5.0458	0	CORONA
124	277.35	89.5338	119.5067	1061157.38	1459347.47	3.3462	1.7	NIVEL
125	300.1708	89.461	129.5533	1061163.97	1459397.03	3.6463	1.7	NIVEL
126	289.2344	89.5346	122.1199	1061160.65	1459372.25	5.0464	0	NIVEL
127	276.2843	90.3933	119.5625	1061157.05	1459345.19	1.7494	1.7	LAMINA
128	275.2512	90.5915	115.9463	1061160.43	1459342.65	0.0264	2.8	NIVEL
129	273.1355	90.3841	114.5615	1061161.47	1459338.16	-0.364	3.9	NIVEL
130	270.0246	90.4243	114.2973	1061161.55	1459331.79	-0.4954	3.9	NIVEL
131	266.411	90.4642	114.457	1061161.59	1459325.08	-0.63	3.9	NIVEL
132	263.3742	90.3443	112.4083	1061164.13	1459319.23	-0.2102	3.9	NIVEL
133	261.1505	89.5927	110.6935	1061166.44	1459314.86	0.9425	3.9	NIVEL
134	260.3805	90.4311	110.0894	1061167.23	1459313.79	1.7418	1.7	LAMINA
135	256.1807	88.5347	115.1684	1061163.97	1459304.43	5.3431	1.7	CORONA
136	256.1807	88.5351	115.1731	1061163.97	1459304.43	5.341	1.7	NIVEL
137	232.4959	88.5107	125.5781	1061175.79	1459255.85	5.6414	1.7	NIVEL
138	244.031	88.4638	117.8672	1061169.88	1459280.14	5.84	1.5	NIVEL
139	221.3224	88.511	125.58	1061192.58	1459237.72	5.6394	1.7	NIVEL
140	275.1524	90.073	219.4793	1061057.29	1459351.81	3.0487	1.3	D5-D6
141	95.1523	89.5615	219.4751	1061275.84	1459331.7	3.3962	1.35	D6-D5
142	207.1825	71.0827	5.8774	1061054.73	1459346.87	4.7035	1.7	CORONA
143	207.1825	86.2707	35.65	1061040.96	1459320.19	5.0101	1.7	NIVEL
144	207.0202	87.4951	55.6645	1061032	1459302.26	4.9109	1.7	NIVEL
145	66.1305	104.4321	4.212	1061061.01	1459353.45	1.7333	1.7	LAMINA
146	67.2	103.5821	4.9079	1061061.68	1459353.64	0.5187	2.8	NIVEL
147	77.2943	100.5126	7.85	1061064.81	1459353.48	0.2251	2.8	NIVEL
148	54.0849	93.1323	13.879	1061068.52	1459359.92	-0.1766	3.9	NIVEL
149	51.0013	94.0016	21.4857	1061073.94	1459365.3	-0.8967	3.9	NIVEL
150	50.0447	91.4415	28.4767	1061079.12	1459370.07	-0.2597	3.9	NIVEL
151	50.532	90.2433	34.0194	1061083.68	1459373.27	0.3608	3.9	NIVEL
152	52.4415	90.5044	35.6047	1061085.62	1459373.36	1.1783	2.8	NIVEL
153	52.3214	91.3839	36.5968	1061086.32	1459374.06	1.7538	1.7	LAMINA
154	57.5518	86.4909	45.1262	1061095.46	1459375.74	5.3077	1.7	LAMINA
155	57.5518	88.1836	95.0883	1061137.82	1459402.29	5.6085	1.7	NIVEL
156	57.5519	88.0148	80.0238	1061125.05	1459394.28	5.5551	1.7	NIVEL
157	330.1316	87.4729	37.7841	1061038.53	1459384.58	5.7598	0.2	CORONA
158	340.2822	89.4024	24.7402	1061049.02	1459375.13	0.7448	3.9	NIVEL
159	356.1456	91.4333	26.173	1061055.57	1459377.91	-0.1845	3.9	NIVEL
160	337.2552	91.1748	38.3872	1061042.56	1459387.25	1.7351	1.9	LAMINA
161	4.4456	91.4334	32.2275	1061059.95	1459383.91	-0.367	3.9	NIVEL
162	12.4416	92.0556	37.2136	1061065.49	1459388.08	-0.7592	3.9	NIVEL
163	19.4306	91.1954	39.8101	1061070.71	1459389.27	-0.3214	3.9	NIVEL
164	25.3219	90.1309	46.0339	1061077.13	1459393.34	0.4277	3.9	NIVEL
165	340.5608	88.5938	75.7521	1061032.55	1459423.39	4.1343	1.7	CORONA
166	307.3016	88.3919	90.7806	1060985.29	1459407.06	4.9349	1.7	NIVEL
167	316.0724	88.525	83.4204	1060999.48	1459411.93	4.4341	1.7	NIVEL
168	345.4119	91.0428	75.779	1061038.56	1459425.22	1.7831	1.3	LAMINA
169	24.5727	91.1031	48.739	1061077.85	1459395.99	1.8042	1.7	LAMINA
170	25.5958	88.5812	54.5646	1061081.2	1459400.84	5.4846	0	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
171	25.5628	89.1546	99.6126	1061100.86	1459441.38	5.786	0	NIVEL
172	30.095	89.0739	77.657	1061096.3	1459418.94	5.6866	0	NIVEL
173	356.2102	89.0904	122.5436	1061049.49	1459474.09	5.0205	1.3	NIVEL
174	352.3749	86.2126	123.0397	1061041.53	1459473.59	12.3219	0	CORONA
175	334.0958	85.323	132.7353	1060999.62	1459470.92	14.8226	0	NIVEL
176	358.0211	90.4241	117.7476	1061053.25	1459469.48	1.7425	1.3	LAMINA
177	357.3448	87.2645	129.4648	1061051.82	1459481.03	8.974	1.3	CORONA
178	14.3341	89.2138	90.6545	1061080.08	1459439.55	5.5161	0	CORONA
179	39.2933	89.1623	103.3087	1061122.98	1459431.53	5.8151	0	NIVEL
180	27.0047	89.1354	93.8122	1061099.89	1459435.38	5.7622	0	NIVEL
181	10.3849	90.3837	89.9993	1061073.91	1459440.25	1.7931	1.7	LAMINA
182	8.1124	90.1128	89.2302	1061070	1459440.13	0.3066	3.9	NIVEL
183	5.4238	90.5827	91.5555	1061066.39	1459442.9	-0.9521	3.9	NIVEL
184	2.081	91.0133	94.1659	1061060.79	1459445.89	-1.0814	3.9	NIVEL
185	358.5146	91.2627	96.9062	1061055.36	1459448.67	-1.8321	3.9	NIVEL
186	354.5923	90.5241	99.9062	1061048.56	1459451.32	-0.9264	3.9	NIVEL
187	353.2733	90.2503	101.5257	1061045.72	1459452.67	-0.1356	3.9	NIVEL
188	3.1918	89.3005	306.287	1061075.03	1459657.57	5.6206	1.555	D6-D7
189	183.1918	90.2838	306.2849	1061057.29	1459351.81	3.1009	1.45	D7-D6
190	170.5846	90.1307	172.5144	1061102.08	1459487.19	4.7396	1.7	CORONA
191	154.49	90.0844	179.6196	1061151.46	1459495.02	4.9413	1.7	NIVEL
192	160.2821	90.0745	175.4872	1061133.69	1459492.18	5.0017	1.7	NIVEL
193	173.1741	91.1453	167.9637	1061094.64	1459490.79	1.7393	1.7	LAMINA
194	173.5519	91.2925	167.2726	1061092.74	1459491.29	1.0476	1.7	NIVEL
195	175.2614	91.2359	167.9013	1061088.38	1459490.25	-0.9039	3.9	NIVEL
196	177.4049	91.4241	168.2748	1061081.84	1459489.51	-1.8277	3.9	NIVEL
197	180.4232	91.2451	167.02	1061072.97	1459490.61	-2.0242	5	NIVEL
198	182.0558	91.3259	167.8543	1061068.88	1459489.89	-2.4422	5	NIVEL
199	183.2522	91.1921	163.5702	1061065.27	1459494.33	-0.578	3.9	NIVEL
200	184.2221	91.4949	164.8576	1061062.47	1459493.28	1.8321	0	LAMINA
201	162.0736	90.5245	101.9785	1061106.33	1459560.52	5.5313	0	CORONA
202	137.0648	90.3832	113.5093	1061152.28	1459574.41	5.8239	0	NIVEL
203	148.5611	90.4314	105.1692	1061129.29	1459567.49	5.7739	0	NIVEL
204	164.2654	92.0326	102.1191	1061102.39	1459559.25	1.7303	1.7	LAMINA
205	165.1913	92.3143	101.9823	1061100.85	1459559.01	0.8972	1.7	NIVEL
206	167.3836	91.5558	100.5894	1061096.55	1459559.37	-0.1961	3.9	NIVEL
207	171.241	92.1251	102.8157	1061090.39	1459555.98	-0.776	3.9	NIVEL
208	175.1038	92.2011	103.3358	1061083.71	1459554.69	-1.0161	3.9	NIVEL
209	179.0614	92.3244	104.241	1061076.66	1459553.44	-1.4334	3.9	NIVEL
210	182.3449	92.4543	101.9856	1061070.45	1459555.81	-1.7181	3.9	NIVEL
211	187.0245	92.1059	101.1281	1061062.64	1459557.28	-0.6558	3.9	NIVEL
212	188.1749	92.1557	102.8222	1061060.21	1459555.9	1.731	1.3	NIVEL
213	194.1832	91.2113	90.2198	1061052.74	1459570.17	3.6647	1.3	NIVEL
214	196.4519	89.4558	90.2434	1061049.02	1459571.16	6.1644	1.3	CORONA
215	214.5555	90.2813	68.1227	1061036.03	1459601.72	5.2367	1.3	CORONA
216	214.5531	89.5107	93.1192	1061021.72	1459581.22	6.0369	1.3	LAMINA
217	220.524	89.4121	118.0919	1060997.75	1459568.28	6.4369	1.3	NIVEL
218	228.2431	94.2736	47.4891	1061039.62	1459626.14	1.7029	1.7	LAMINA
219	229.0722	95.4054	45.0551	1061041.13	1459628.23	0.9352	1.7	NIVEL
220	276.5141	90.2938	60.6883	1061014.78	1459664.82	5.2726	1.3	CORONA
221	276.5258	90.0731	110.6254	1060965.2	1459670.83	5.5545	1.3	NIVEL
222	276.5258	90.1346	85.6624	1060989.99	1459667.84	5.453	1.3	NIVEL
223	223.5855	94.1436	42.6762	1061045.48	1459626.95	0.0379	3.9	NIVEL
224	281.2123	94.3527	50.5061	1061025.67	1459667.48	1.7533	1.3	LAMINA
225	216.2254	94.4807	40.2801	1061051.22	1459625.25	-0.1762	3.9	NIVEL
226	215.0934	96.5628	29.7833	1061058.01	1459633.4	-0.4037	3.9	NIVEL
227	210.3454	101.1657	21.4372	1061064.34	1459639.47	-0.9985	3.9	NIVEL
228	202.3732	103.1758	15.8167	1061069.11	1459643.36	-0.4429	3.9	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
229	186.5158	99.3758	13.8411	1061073.4	1459644.02	0.8795	3.9	NIVEL
230	183.4554	105.462	13.5865	1061074.17	1459644.52	1.7026	1.7	LAMINA
231	161.3348	91.3257	15.2161	1061079.84	1459643.14	4.9842	1.7	CORONA
232	306.2412	90.3204	87.5359	1061004.58	1459709.52	4.9797	1.3	CORONA
233	311.0635	92.5442	79.9301	1061014.89	1459710.06	1.7359	1.3	LAMINA
234	323.4657	90.2101	156.2208	1060982.73	1459783.6	4.8419	1.3	CORONA
235	306.0208	90.155	164.0374	1060942.38	1459754.07	5.0422	1.3	NIVEL
236	314.4129	90.2044	158.2218	1060962.55	1459768.84	4.8429	1.3	NIVEL
237	326.401	91.2812	156.8547	1060988.87	1459788.58	1.7733	1.3	LAMINA
238	343.1921	90.2916	78.0224	1061052.64	1459732.31	5.8319	0.6	CORONA
239	15.5839	90.1708	92.6649	1061100.54	1459746.65	6.0342	0.6	NIVEL
240	359.0336	90.1521	81.0682	1061073.7	1459738.63	6.1339	0.6	NIVEL
241	328.2849	90.2437	199.264	1060970.86	1459827.43	4.3719	1.3	NIVEL
242	330.0028	91.0919	199.9815	1060975.09	1459830.74	1.7666	1.3	LAMINA
243	339.5118	92.5025	74.2254	1061049.5	1459727.17	1.7178	1.7	LAMINA
244	338.54	93.2235	73.9355	1061048.46	1459726.43	1.0417	1.7	NIVEL
245	331.5045	93.5025	69.364	1061042.38	1459718.59	-0.3498	2.8	NIVEL
246	327.2244	92.5957	77.2114	1061033.47	1459722.51	-0.8439	3.9	NIVEL
247	330.0305	92.5957	77.2114	1061036.54	1459724.38	-0.9439	4	NIVEL
248	321.5225	92.5511	77.8067	1061027.06	1459718.7	-0.7673	3.9	NIVEL
249	318.4158	92.3534	86.8412	1061017.77	1459722.74	-0.7324	3.9	NIVEL
250	314.5228	92.2247	85.4626	1061014.52	1459717.82	-0.3527	3.9	NIVEL
251	330.3638	91.1939	183.2339	1060985.14	1459817.18	-1.0473	3.9	NIVEL
252	332.085	91.0751	181.4364	1060990.28	1459817.96	-0.3829	3.9	NIVEL
253	335.0913	91.1659	178.8221	1060999.91	1459819.8	-0.8064	3.9	NIVEL
254	337.1121	91.1954	178.3573	1061005.9	1459821.93	-0.9472	3.9	NIVEL
255	339.0908	91.0906	179.0402	1061011.33	1459824.85	-0.4007	3.9	NIVEL
256	340.4144	90.4052	183.8902	1061014.24	1459831.11	1.012	3.9	NIVEL
257	341.0346	90.2737	183.7927	1061015.39	1459831.41	1.7211	3.9	LAMINA
258	342.01	90.2729	184.9407	1061017.93	1459833.47	5.619	0	CORONA
259	342.0101	90.2729	184.9407	1061017.94	1459833.47	5.619	0	NIVEL
260	356.5403	90.2239	191.6198	1061064.67	1459848.9	5.8358	0	NIVEL
261	351.3317	90.2115	187.7313	1061047.46	1459843.26	5.9375	0	NIVEL
262	341.2513	90.0022	254.2246	1060994.03	1459898.54	5.373	1.7	D7-D8
263	161.2513	89.5823	254.2217	1061075.03	1459657.57	5.6671	1.3	D8-D7
264	163.5352	89.5646	4.4073	1060995.25	1459894.31	5.1471	1.7	CORONA
265	77.3558	90.5704	9.7187	1061003.52	1459900.63	4.9817	1.7	NIVEL
266	77.3558	89.4609	34.6621	1061027.88	1459905.99	5.2826	1.7	NIVEL
267	77.3558	89.4028	59.6866	1061052.32	1459911.36	5.4825	1.7	NIVEL
268	174.2433	110.482	9.9615	1060994.94	1459889.28	1.6047	1.7	LAMINA
269	184.5303	105.552	15.6161	1060992.75	1459883.58	-0.241	2.8	NIVEL
270	197.131	101.2642	17.6278	1060988.91	1459882.04	0.5452	2.8	NIVEL
271	212.0528	99.0811	21.5359	1060982.73	1459880.53	0.6235	2.8	NIVEL
272	218.4752	99.4236	25.3963	1060978.34	1459879.04	-0.2403	2.8	NIVEL
273	225.3017	95.4921	31.5818	1060971.62	1459876.52	0.8392	2.8	NIVEL
274	222.26	94.5806	39.9427	1060967.18	1459869.17	-0.5161	3.9	NIVEL
275	219.3752	92.3729	45.8405	1060964.82	1459863.28	0.844	3.9	NIVEL
276	219.4925	91.3723	46.0795	1060964.53	1459863.17	1.6379	3.9	LAMINA
277	226.0301	88.5826	54.5158	1060954.79	1459860.72	5.0194	2.8	NIVEL
278	226.0305	89.2119	104.5136	1060918.79	1459826.02	5.2198	2.8	NIVEL
279	326.373	90.3429	67.3535	1060956.98	1459954.79	4.8676	1.3	NIVEL
280	323.5025	93.2554	64.861	1060955.83	1459950.82	1.6607	1.3	LAMINA
281	323.5515	90.4209	85.0312	1060943.96	1459967.26	4.5011	1.3	NIVEL
282	323.1121	92.2915	59.7254	1060958.28	1459946.32	0.3511	3.9	NIVEL
283	319.3325	93.1823	59.4244	1060955.55	1459943.69	-0.4841	3.9	NIVEL
284	311.5535	93.1514	58.6971	1060950.43	1459937.7	-0.3886	3.9	NIVEL
285	304.4457	93.1913	61.9233	1060943.24	1459933.78	-0.6432	3.9	NIVEL
286	298.0309	92.3418	67.9667	1060934.11	1459930.48	-0.1061	3.9	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
287	290.1157	92.044	70.3721	1060928.03	1459922.83	0.392	3.9	NIVEL
288	285.0953	94.2212	67.2628	1060929.3	1459916.09	1.718	0	LAMINA
289	324.3803	90.3409	86.1799	1060944.15	1459968.82	4.6874	1.3	D7-HERNANDO
290	315.3333	90.1106	131.7941	1060901.75	1459992.64	5.119	1.3	CORONA
291	314.1214	90.3513	129.4954	1060901.2	1459988.83	1.6174	3.9	LAMINA
292	313.0116	91.1122	129.4771	1060899.39	1459986.86	0.2566	3.9	NIVEL
293	310.4505	91.2146	126.9503	1060897.89	1459981.39	-0.0749	3.9	NIVEL
294	308.27	91.4651	127.5354	1060894.2	1459977.81	-1.0191	3.9	NIVEL
295	305.1923	92.1256	123.1198	1060893.65	1459969.68	-1.8158	3.9	NIVEL
296	301.2155	92.03	126.2565	1060886.29	1459964.22	-1.5721	3.9	NIVEL
297	298.4638	91.3612	117.5406	1060891.05	1459955.11	-0.345	3.9	NIVEL
298	296.3448	91.0916	120.0989	1060886.65	1459952.27	0.5245	3.9	NIVEL
299	295.2612	90.3705	121.311	1060884.48	1459950.65	1.6352	3.9	LAMINA
300	293.5737	91.0445	120.8973	1060883.57	1459947.63	4.5672	0	CORONA
301	311.1357	89.5522	176.7903	1060861.08	1460015.07	5.783	1.3	CORONA
302	309.5916	91.1652	174.263	1060860.55	1460010.5	1.6487	1.3	LAMINA
303	308.02	90.4626	193.8707	1060841.34	1460017.98	0.327	3.9	NIVEL
304	308.5421	91.0844	194.574	1060842.65	1460020.72	1.6559	1.3	LAMINA
305	306.0817	91.1146	194.153	1060837.27	1460013.02	-1.1073	3.9	NIVEL
306	302.4441	91.1329	194.4582	1060830.51	1460003.7	-1.2108	3.9	NIVEL
307	300.1227	91.1415	195.0268	1060825.52	1459996.65	-1.2669	3.9	NIVEL
308	298.142	90.4452	193.6409	1060823.45	1459990.16	0.4184	3.9	NIVEL
309	297.4505	90.2329	195.1676	1060821.31	1459989.42	1.6122	3.9	LAMINA
310	296.5039	90.31	189.9407	1060824.56	1459984.31	3.4325	1.7	CORONA
311	307.1014	90.3551	278.235	1060772.33	1460066.64	0.0462	3.9	NIVEL
312	307.3257	90.4707	281.0619	1060771.22	1460069.82	1.6957	1.3	LAMINA
313	305.2841	90.4751	274.3597	1060770.63	1460057.76	-0.871	3.9	NIVEL
314	304.2721	90.4906	272.0582	1060769.72	1460052.45	-0.9371	3.9	NIVEL
315	302.523	90.4401	274.9734	1060763.11	1460047.79	-0.5728	3.9	NIVEL
316	302.1651	90.4357	274.13	1060762.29	1460044.94	-0.5563	3.9	NIVEL
317	301.33	90.393	274.6977	1060759.95	1460042.27	-0.2082	3.9	NIVEL
318	300.2241	90.413	276.9577	1060755.11	1460038.59	-0.3957	3.9	NIVEL
319	299.1449	90.3411	277.4984	1060751.92	1460034.12	0.189	3.9	NIVEL
320	298.5421	90.1633	277.7869	1060750.85	1460032.82	1.6113	3.9	LAMINA
321	307.3435	90.4055	331.7176	1060731.15	1460100.82	1.6017	1.3	LAMINA
322	307.2019	90.2911	332.661	1060729.55	1460100.3	0.1261	3.9	NIVEL
323	308.2948	90.1303	332.5344	1060733.78	1460105.54	4.2873	1.3	CORONA
324	306.4151	90.3311	332.5822	1060727.38	1460097.28	-0.2593	3.9	NIVEL
325	305.5411	90.333	332.3224	1060724.86	1460093.41	-0.2886	3.9	NIVEL
326	304.3909	90.3233	334.0604	1060719.24	1460088.48	-0.2119	3.9	NIVEL
327	303.2809	90.333	334.8459	1060714.72	1460083.2	-0.3128	3.9	NIVEL
328	302.0847	90.4119	335.2793	1060710.17	1460076.93	-1.0787	3.9	NIVEL
329	301.172	90.2752	337.3648	1060705.74	1460073.75	0.2155	3.9	NIVEL
330	300.5943	90.1345	338.2938	1060704.04	1460072.75	1.5984	3.9	LAMINA
331	300.0116	90.0648	342.6026	1060697.39	1460069.95	4.4741	1.7	CORONA
332	291.431	90.0327	346.294	1060672.32	1460026.69	4.8031	1.7	NIVEL
333	294.4111	90.0227	344.1465	1060681.34	1460042.28	4.9061	1.7	NIVEL
334	301.1254	90.2458	356.0841	1060689.5	1460083.08	2.9646	1.3	D8-D9
335	121.1254	89.3736	356.0867	1060994.03	1459898.54	5.3543	1.4	D9-D8
336	74.1223	111.5521	3.9481	1060693.03	1460084.08	1.6506	1.3	LAMINA
337	18.5209	88.5546	57.1809	1060707.99	1460137.18	4.1932	1.3	CORONA
338	14.4615	91.4113	49.5272	1060702.13	1460130.95	1.6667	1.3	LAMINA
339	14.0218	90.1951	48.8179	1060701.35	1460130.44	0.2429	3.9	NIVEL
340	10.3913	90.2725	45.3277	1060697.88	1460127.63	0.1632	3.9	NIVEL
341	5.5904	90.5132	41.428	1060693.82	1460124.28	-0.0962	3.9	NIVEL
342	0.3523	91.2609	36.7517	1060689.88	1460119.82	-0.3962	3.9	NIVEL
343	350.4609	91.5546	33.6516	1060684.11	1460116.28	-0.6084	3.9	NIVEL
344	338.0349	92.4713	31.8004	1060677.64	1460112.54	-1.0216	3.9	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
345	328.4333	91.2157	29.9811	1060673.94	1460108.7	-0.19	3.9	NIVEL
346	323.1942	87.5012	30.7644	1060671.14	1460107.74	1.686	3.9	LAMINA
347	316.19	85.2436	29.869	1060668.94	1460104.61	4.015	2.8	CORONA
348	282.2533	85.5209	35.9605	1060654.48	1460090.8	4.215	2.8	NIVEL
349	350.0059	89.5022	116.6786	1060669.28	1460197.99	4.2524	0.5	CORONA
350	358.1533	89.5028	118.4232	1060685.91	1460201.45	4.2537	0.5	NIVEL
351	346.3519	90.4206	115.2807	1060662.77	1460195.21	1.7139	1.3	LAMINA
352	345.3404	90.0815	114.1977	1060661.04	1460193.67	0.2516	3.9	NIVEL
353	343.3243	90.1955	112.522	1060657.63	1460190.99	-0.1265	3.9	NIVEL
354	341.3655	90.2701	110.7886	1060654.56	1460188.21	-0.3453	3.9	NIVEL
355	338.1933	90.4035	108.5224	1060649.43	1460183.92	-0.7558	3.9	NIVEL
356	335.2249	90.4629	106.4633	1060645.16	1460179.86	-0.9143	3.9	NIVEL
357	330.3118	90.5348	105.2384	1060637.72	1460174.68	-1.1216	3.9	NIVEL
358	328.1436	90.1725	104.9126	1060634.29	1460172.29	-0.0062	3.9	NIVEL
359	326.5721	89.2429	104.5425	1060632.5	1460170.71	1.6054	3.9	LAMINA
360	323.0151	87.3113	99.3704	1060629.8	1460162.4	4.8248	3.9	CORONA
361	298.385	87.3501	109.097	1060593.85	1460135.34	5.1248	3.9	NIVEL
362	342.1453	89.2353	168.2139	1060638.22	1460243.28	4.894	1.3	LAMINA
363	354.0009	89.1836	171.816	1060671.55	1460253.94	5.1956	1.3	NIVEL
364	340.1648	90.2941	166.4198	1060633.35	1460239.73	1.6893	1.3	CORONA
365	339.482	90.0029	164.8843	1060632.59	1460237.83	0.5029	3.9	NIVEL
366	338.3418	90.2025	163.9464	1060629.61	1460235.69	-0.4469	3.9	NIVEL
367	336.5551	90.222	161.3288	1060626.29	1460231.51	-0.522	3.9	NIVEL
368	334.2212	90.26	158.7117	1060620.85	1460226.17	-0.6737	3.9	NIVEL
369	331.2244	90.2707	155.8447	1060614.86	1460219.88	-0.7029	3.9	NIVEL
370	328.2557	90.2236	152.5283	1060609.66	1460213.04	-0.4769	3.9	NIVEL
371	326.3205	89.5441	152.5918	1060605.36	1460210.38	0.7623	3.9	NIVEL
372	326.2421	89.3522	152.3736	1060605.2	1460210	1.6179	3.9	LAMINA
373	324.5013	90.0215	151.3477	1060602.34	1460206.81	4.327	0	CORONA
374	311.4856	89.564	155.3421	1060573.73	1460186.65	4.577	0	CORONA
375	336.3705	89.3827	237.6035	1060595.21	1460301.17	4.6175	1.3	CORONA
376	344.5945	89.3551	240.2312	1060627.31	1460315.12	4.8157	1.3	NIVEL
377	335.4657	90.2028	235.3454	1060592.97	1460297.71	1.7277	1.3	LAMINA
378	335.281	89.5213	236.2142	1060591.43	1460297.97	1.0629	3.9	NIVEL
379	334.4	90.061	236.0679	1060588.5	1460296.45	0.1044	3.9	NIVEL
380	332.5833	90.1601	233.2494	1060583.53	1460290.86	-0.5583	3.9	NIVEL
381	330.5402	90.1416	232.5489	1060576.41	1460286.27	-0.4366	3.9	NIVEL
382	328.3825	90.1205	232.6338	1060568.44	1460281.73	-0.2896	3.9	NIVEL
383	326.463	90.1929	233.109	1060561.78	1460278.08	-0.7933	3.9	NIVEL
384	326.3441	89.5436	318.9208	1060513.84	1460349.26	3.2328	1.7	D9-D10
385	146.3441	90.003	318.9253	1060689.51	1460083.08	2.9705	1.7	D10-D9
386	150.262	91.1251	76.1299	1060551.39	1460283.06	-0.8031	3.9	NIVEL
387	155.0543	90.1817	81.0107	1060547.96	1460275.79	0.3795	3.9	NIVEL
388	156.4637	91.1213	80.2804	1060545.49	1460275.5	1.7241	1.3	LAMINA
389	161.3911	90.2046	81.5143	1060539.5	1460271.89	2.9179	1.3	CORONA
390	156.4322	90.1105	93.7083	1060550.87	1460263.18	0.5084	3.9	NIVEL
391	155.4509	90.241	96.4839	1060553.47	1460261.29	0.1321	3.9	NIVEL
392	154.4515	90.0621	99.3322	1060556.21	1460259.42	0.6268	3.9	NIVEL
393	154.0331	89.4502	102.0886	1060558.5	1460257.46	1.2551	3.9	NIVEL
394	153.2433	89.3116	102.9055	1060559.9	1460257.25	1.6707	3.9	LAMINA
395	154.2926	88.5837	108.0935	1060560.39	1460251.72	2.7403	3.9	CORONA
396	158.5543	91.0417	90.74	1060546.46	1460264.61	1.7137	1.3	LAMINA
397	162.14	90.4018	96.061	1060543.15	1460257.79	2.2844	1.3	CORONA
398	150.5743	88.582	136.3237	1060580	1460230.1	3.2562	3.9	CORONA
399	149.0609	89.3747	135.2138	1060583.27	1460233.24	1.6849	3.9	LAMINA
400	169.4442	91.3824	35.0603	1060520.08	1460314.78	2.4064	1.3	NIVEL
401	192.5512	90.4642	36.6679	1060505.65	1460313.53	2.9118	1.3	NIVEL
402	197.2957	89.4935	38.2288	1060502.35	1460312.8	4.8258	0	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
403	154.0126	93.2651	27.1871	1060525.73	1460324.87	1.775	1.3	LAMINA
404	77.034	90.0713	57.9346	1060570.31	1460362.24	4.5884	0	CORONA
405	77.0339	89.5633	77.9313	1060589.8	1460366.71	4.7882	0	NIVEL
406	77.0853	89.0719	54.6169	1060567.09	1460361.41	1.6469	3.9	LAMINA
407	77.5004	90.1548	52.8434	1060565.5	1460360.4	0.5672	3.9	NIVEL
408	287.2527	83.4127	18.0361	1060496.74	1460354.63	5.3918	1.3	CORONA
409	285.0136	90.311	15.6938	1060498.69	1460353.33	3.2675	1.3	NIVEL
410	43.5101	100.1716	9.3731	1060520.23	1460355.91	1.7359	1.3	LAMINA
411	74.2903	90.3431	50.975	1060562.96	1460362.9	0.2982	3.9	NIVEL
412	73.011	92.2535	43.9671	1060555.86	1460362.09	-1.0514	3.9	NIVEL
413	69.4126	94.12	36.8351	1060548.3	1460362.01	-1.8879	3.9	NIVEL
414	66.2855	95.1021	31.7813	1060542.87	1460361.89	-3.0554	4.9	NIVEL
415	60.2815	96.3403	25.6591	1060536.02	1460361.83	-3.1249	4.9	NIVEL
416	55.3628	97.2459	20.2658	1060530.43	1460360.62	-1.8061	3.9	NIVEL
417	47.3338	91.3304	14.176	1060524.3	1460358.83	0.4261	3.9	NIVEL
418	11.1334	90.0634	50.4445	1060523.66	1460398.74	4.6137	0	CORONA
419	11.2731	90.19	49.3472	1060523.65	1460397.63	3.1372	1.3	NIVEL
420	17.0341	91.4803	54.0103	1060529.68	1460400.87	1.7127	1.3	CORONA
421	19.0441	90.2921	44.2379	1060528.3	1460391.07	0.4323	3.9	NIVEL
422	27.2407	93.033	44.9378	1060534.5	1460389.1	-1.5876	3.9	NIVEL
423	39.1216	93.0916	50.6022	1060545.78	1460388.42	-3.0745	5	NIVEL
424	45.5048	92.4752	56.239	1060554.15	1460388.39	-3.0351	5	NIVEL
425	50.4215	91.3954	60.1872	1060560.4	1460387.37	-2.0388	5	NIVEL
426	54.5449	90.2734	65.0133	1060567.04	1460386.63	-0.8114	5	NIVEL
427	60.2035	89.1724	69.5857	1060574.31	1460383.69	0.5723	5	NIVEL
428	61.5122	92.2359	70.1311	1060575.63	1460382.31	1.7736	0	LAMINA
429	64.045	90.013	70.9434	1060577.65	1460380.27	4.6793	0	CORONA
430	18.3405	89.1008	66.2184	1060534.93	1460412.03	4.3705	1.3	GAVION
431	31.0328	90.0704	66.1369	1060547.96	1460405.92	3.2742	1.3	GAVION
432	30.5621	91.283	65.3425	1060547.43	1460405.29	1.728	1.3	LAMINA
433	18.3207	89.0943	78.1472	1060538.68	1460423.35	4.5533	1.3	LAMINA
434	32.531	90.0947	70.5706	1060552.16	1460408.53	3.2094	1.3	CORONA
435	32.3532	89.4552	98.7336	1060567.03	1460432.45	0.1164	5	NIVEL
436	34.2048	90.2439	99.1138	1060569.76	1460431.09	-1.0002	5	NIVEL
437	33.2242	91.2559	69.6974	1060552.18	1460407.45	1.6672	1.3	LAMINA
438	38.3202	91.3021	98.3604	1060575.1	1460426.18	-2.8741	5	NIVEL
439	43.2939	91.3751	97.3233	1060580.8	1460419.84	-3.0594	5	NIVEL
440	49.5909	90.4943	100.8461	1060591.07	1460414.1	-1.748	5	NIVEL
441	54.3816	90.2127	104.8678	1060599.36	1460409.95	-0.9441	5	NIVEL
442	58.1356	89.3024	108.1555	1060605.79	1460406.2	0.6416	5	NIVEL
443	59.1101	91.1703	108.8997	1060607.34	1460405.04	1.7702	0.5	LAMINA
444	61.2857	90.2532	108.3125	1060609.01	1460400.97	3.9064	0	NIVEL
445	73.162	90.1852	110.1423	1060619.32	1460380.96	4.1064	0	NIVEL
446	26.2251	89.083	94.1922	1060555.69	1460433.64	4.8215	1.3	CORONA
447	30.1617	90.5054	93.1623	1060560.8	1460429.71	1.7308	1.6	LAMINA
448	29.1317	89.114	103.731	1060564.48	1460439.78	4.8687	1.3	CORONA
449	48.0359	90.4624	158.9108	1060632.05	1460455.45	-1.4333	4	NIVEL
450	34.1451	90.5334	104.0168	1060572.37	1460435.23	1.7896	1.3	LAMINA
451	34.5116	89.2347	118.5754	1060581.6	1460446.56	4.6599	1.3	CORONA
452	41.092	89.4229	127.3869	1060597.68	1460445.18	4.0602	1.3	CORONA
453	49.4628	90.2029	158.5057	1060634.86	1460451.62	-1.2329	5	NIVEL
454	45.0008	90.1257	123.9156	1060601.47	1460436.88	2.9441	1.3	CORONA
455	45.1225	90.4705	122.9039	1060601.05	1460435.85	1.7275	1.3	LAMINA
456	52.2932	90.4539	160.1086	1060640.84	1460446.74	-2.4148	5	NIVEL
457	55.4612	90.5722	169.4043	1060653.89	1460444.54	-3.6152	5.5	NIVEL
458	59.4038	90.1953	172.7664	1060662.97	1460436.49	-1.2877	5	NIVEL
459	49.3541	90.1838	191.0958	1060659.36	1460473.13	2.3768	1.3	D10-D11
460	229.3542	89.4546	191.0947	1060513.84	1460349.26	3.2603	1.3	D11-D10

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
461	256.0845	85.0223	22.674	1060637.42	1460467.72	4.4274	1.3	CORONA
462	334.4409	80.4651	4.4209	1060657.49	1460477.07	3.1751	1.3	COLUMNA
463	332.2827	81.3532	3.6769	1060657.68	1460476.35	3.0044	1.3	COLUMNA
464	271.1035	84.3501	3.6414	1060655.73	1460473.2	2.8105	1.3	COLUMNA
465	269.234	86.1325	4.3481	1060655.02	1460473.08	2.7532	1.3	COLUMNA
466	265.1914	92.5958	6.757	1060652.63	1460472.58	2.1132	1.3	LAMINA
467	21.2722	92.5422	6.1676	1060661.61	1460478.86	2.1541	1.3	LAMINA
468	18.4915	82.3717	13.936	1060663.82	1460486.21	4.2565	1.3	NIVEL
469	324.4744	81.473	5.3897	1060656.28	1460477.49	3.2363	1.3	COLUMNA
470	121.2244	92.2007	8.2622	1060666.4	1460468.83	-2.2699	1.7	NIVEL
471	122.1421	91.4206	11.2823	1060668.9	1460467.11	-2.4682	1.7	NIVEL
472	122.1756	91.0951	15.4865	1060672.44	1460464.85	-2.5478	1.7	NIVEL
473	122.2023	90.5425	19.2822	1060675.65	1460462.81	-2.3384	1.7	NIVEL
474	122.0059	90.3728	24.2209	1060679.89	1460460.29	-2.7971	1.7	NIVEL
475	121.5813	90.3728	27.5131	1060682.7	1460458.56	-2.933	1.7	NIVEL
476	122.0233	90.3241	29.8585	1060684.67	1460457.29	-3.2171	1.7	NIVEL
477	122.2702	90.2919	32.1944	1060686.52	1460455.85	-3.0076	1.7	NIVEL
478	122.5755	90.264	34.7005	1060688.47	1460454.25	-3.3024	1.7	NIVEL
479	126.2141	90.25	38.6526	1060690.48	1460450.21	-2.2142	1.7	NIVEL
480	128.182	90.3028	38.7579	1060689.77	1460449.1	2.1235	1.3	LAMINA
481	177.4139	90.2551	39.3142	1060660.94	1460433.85	-4.0287	1.7	NIVEL
482	185.3639	90.2427	54.5633	1060654.02	1460418.83	2.0788	1.3	LAMINA
483	89.3454	90.2159	59.4456	1060718.8	1460473.56	2.0869	1.3	LAMINA
484	89.4709	90.1836	57.8663	1060717.22	1460473.34	-0.4461	1.7	NIVEL
485	86.0612	90.1955	55.2976	1060714.53	1460476.89	-2.5533	1.7	NIVEL
486	82.1857	90.1846	52.7703	1060711.65	1460480.18	-2.7212	1.7	NIVEL
487	75.3628	90.2152	48.685	1060706.51	1460485.23	-2.5428	1.7	NIVEL
488	71.3516	90.2215	47.3364	1060704.27	1460488.08	-2.3394	1.7	NIVEL
489	67.1059	90.2135	45.8997	1060701.66	1460490.93	-2.6212	1.7	NIVEL
490	63.0341	90.2335	44.8671	1060699.35	1460493.45	-2.1409	1.7	NIVEL
491	58.3834	90.2302	43.9426	1060696.88	1460495.99	-2.0275	1.7	NIVEL
492	55.2308	90.2445	43.2328	1060694.94	1460497.69	-1.8442	1.7	NIVEL
493	51.1443	90.2444	40.3688	1060690.84	1460498.4	-1.7236	1.7	NIVEL
494	43.2736	90.3313	38.0898	1060685.56	1460500.77	2.0989	1.3	LAMINA
495	64.202	90.1039	107.5488	1060756.3	1460519.7	2.1346	1.3	LAMINA
496	63.3132	90.0907	107.8655	1060755.91	1460521.21	-0.0186	1.7	NIVEL
497	61.1042	90.0901	105.3729	1060751.68	1460523.93	-0.2086	1.7	NIVEL
498	58.1247	90.1022	103.0405	1060746.94	1460527.41	-0.243	1.7	NIVEL
499	55.4427	90.0949	101.2951	1060743.08	1460530.15	-0.9216	1.7	NIVEL
500	52.5006	90.1123	99.6977	1060738.81	1460533.36	-0.3629	1.7	NIVEL
501	50.1755	90.112	98.6765	1060735.28	1460536.16	-1.0578	1.7	NIVEL
502	47.1214	90.114	97.7775	1060731.1	1460539.56	-0.6646	1.7	NIVEL
503	44.4422	90.1122	96.731	1060727.44	1460541.84	-0.4524	1.7	NIVEL
504	39.4757	90.141	92.6468	1060718.66	1460544.31	2.0856	1.3	LAMINA
505	54.0607	88.5535	190.2957	1060813.48	1460584.69	6.0346	1.3	D11-D12
506	50.3905	90.0547	206.131	1060818.76	1460603.82	2.1231	1.3	LAMINA
507	118.5037	88.5719	46.3855	1060699.98	1460450.75	3.3127	1.3	CORONA
508	119.2212	89.0241	45.8663	1060699.32	1460450.64	3.2316	1.3	CORONA
509	124.0011	88.1901	45.8825	1060697.38	1460447.48	3.8145	1.3	CORONA
510	124.3624	88.0722	46.3766	1060697.51	1460446.8	3.986	1.3	CORONA
511	234.0606	91.0725	190.3046	1060659.35	1460473.12	2.3954	1.3	D12-D11
512	296.1614	94.1842	52.4518	1060766.58	1460607.84	2.1814	1.3	LAMINA
513	303.0017	94.3341	49.4797	1060772.12	1460611.55	-0.6101	1.7	NIVEL
514	304.1514	94.5253	45.3957	1060776.09	1460610.15	-1.4381	1.7	NIVEL
515	305.3639	95.4633	38.5179	1060782.32	1460607	-1.8516	1.7	NIVEL
516	307.0348	96.4547	33.2561	1060787.13	1460604.59	-2.3916	1.7	NIVEL
517	308.4627	97.4821	28.8155	1060791.22	1460602.57	-2.589	1.7	NIVEL
518	311.423	100.0547	22.5119	1060796.93	1460599.43	-2.7218	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
519	316.1534	104.2629	16.85	1060802.2	1460596.48	-1.8776	1.7	NIVEL
520	323.2857	109.1108	12.2535	1060806.59	1460593.99	-0.7023	1.7	NIVEL
521	18.0622	94.5532	46.9599	1060828.02	1460629.16	2.0928	1.3	LAMINA
522	15.062	94.3518	49.8995	1060826.44	1460632.71	-0.1671	1.7	NIVEL
523	14.4429	94.3452	50.1371	1060826.2	1460633.02	-0.4796	1.7	NIVEL
524	11.4015	94.3202	50.254	1060823.61	1460633.75	-0.8477	1.7	NIVEL
525	6.1908	94.3152	50.3822	1060819.01	1460634.61	-1.2554	1.7	NIVEL
526	2.0218	94.3421	50.9363	1060815.29	1460635.43	-1.3358	1.7	NIVEL
527	352.0106	94.1555	54.422	1060805.94	1460638.43	-1.1227	1.7	NIVEL
528	340.2735	93.4126	62.2315	1060792.71	1460643.21	-0.9809	1.7	NIVEL
529	336.5418	93.3318	64.154	1060788.36	1460643.59	-0.8532	1.7	NIVEL
530	336.462	93.2622	66.0158	1060787.49	1460645.24	2.1645	1.3	LAMINA
531	18.4345	92.073	108.2371	1060848.21	1460687.12	2.1121	1.3	LAMINA
532	17.3153	92.0751	107.8689	1060845.95	1460687.47	-1.1856	1.7	NIVEL
533	16.2038	92.0603	107.0404	1060843.58	1460687.33	-2.1985	1.7	NIVEL
534	15.094	92.0728	106.8909	1060841.42	1460687.79	-2.6371	1.7	NIVEL
535	11.5232	92.0727	107.0624	1060835.5	1460689.39	-2.4429	1.7	NIVEL
536	8.3216	92.0807	107.4885	1060829.43	1460690.91	-2.0794	1.7	NIVEL
537	4.2747	92.0725	108.3227	1060821.9	1460692.61	-1.7889	1.7	NIVEL
538	1.0816	92.051	109.279	1060815.65	1460693.87	-1.4525	1.7	NIVEL
539	357.4704	92.0233	110.7565	1060809.2	1460695.29	-0.8221	1.7	NIVEL
540	355.3634	92.0448	110.1241	1060805.06	1460694.42	-0.2716	1.7	NIVEL
541	354.0317	92.0144	113.4195	1060801.74	1460697.43	2.1103	1.3	LAMINA
542	16.2425	91.2632	158.3351	1060858.19	1460736.53	2.1414	1.3	LAMINA
543	15.343	91.2558	158.2875	1060855.97	1460737.11	0.1685	1.7	NIVEL
544	13.4318	91.2724	156.1822	1060850.52	1460736.36	-2.4444	1.7	NIVEL
545	11.2516	91.2905	153.5827	1060843.88	1460735.18	-2.3535	1.7	NIVEL
546	9.282	91.3026	152.0871	1060838.5	1460734.65	-2.0744	1.7	NIVEL
547	6.4046	91.3035	150.972	1060831.03	1460734.58	-1.5513	1.7	NIVEL
548	3.5504	91.3028	150.3914	1060823.75	1460734.67	-1.0315	1.7	NIVEL
549	0.5457	91.3027	150.4381	1060815.88	1460735.05	-0.9314	1.7	NIVEL
550	358.4536	91.3208	147.1203	1060810.3	1460731.72	-0.2165	1.7	NIVEL
551	357.2954	91.3224	145.853	1060807.12	1460730.35	2.206	1.3	LAMINA
552	359.0744	91.0809	199.5069	1060810.45	1460784.13	2.1725	1.3	LAMINA
553	0.0902	91.0755	201.923	1060814.01	1460786.57	-0.662	1.7	NIVEL
554	1.2122	91.0752	202.2178	1060818.27	1460786.81	-0.8649	1.7	NIVEL
555	2.3811	91.0755	202.6785	1060822.8	1460787.11	-1.2764	1.7	NIVEL
556	3.3733	91.0754	203.1528	1060826.33	1460787.39	-2.1854	1.7	NIVEL
557	4.4002	91.0736	203.229	1060830.01	1460787.2	-1.2689	1.7	NIVEL
558	6.111	91.0734	203.0135	1060835.35	1460786.48	-1.0629	1.7	NIVEL
559	7.5116	91.072	202.6102	1060841.16	1460785.36	-1.441	1.7	NIVEL
560	9.4611	91.073	202.6439	1060847.86	1460784.35	-1.7518	1.7	NIVEL
561	11.4401	91.0731	202.9297	1060854.74	1460783.34	-1.9579	1.7	NIVEL
562	14.0646	91.0738	200.0488	1060862.25	1460778.66	-0.4086	1.7	NIVEL
563	14.5728	91.0922	196.4407	1060864.17	1460774.43	2.1635	1.3	LAMINA
564	15.0623	90.5642	240.4375	1060876.13	1460816.78	2.1634	1.3	LAMINA
565	14.5538	90.5632	240.6494	1060875.46	1460817.18	-0.9285	1.7	NIVEL
566	13.37	90.5631	242.5701	1060870.58	1460820.41	-1.1588	1.7	NIVEL
567	12.0443	90.5631	244.1184	1060864.56	1460823.37	-2.0849	1.7	NIVEL
568	10.2041	90.5457	246.5097	1060857.74	1460827.16	-2.7111	1.7	NIVEL
569	9.1127	90.5455	247.9797	1060853.08	1460829.45	-3.2324	1.7	NIVEL
570	7.5559	90.5349	249.4473	1060847.9	1460831.72	-3.776	1.7	NIVEL
571	6.2445	90.5348	251.074	1060841.52	1460834.16	-4.0007	1.7	NIVEL
572	5.0957	90.535	253.6845	1060836.32	1460837.31	-2.2428	1.7	NIVEL
573	4.1755	90.5327	257.6429	1060832.79	1460841.57	-0.777	1.7	NIVEL
574	4.0537	90.5304	258.354	1060831.92	1460842.35	2.1413	1.3	LAMINA
575	6.4405	90.4227	321.3426	1060851.16	1460903.79	2.1641	1.3	LAMINA
576	8.1555	90.48	316.8634	1060859.03	1460898.23	1.7076	1.3	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
577	9.215	90.4852	314.5008	1060864.65	1460894.97	1.6603	1.3	NIVEL
578	10.5901	90.4316	309.5858	1060872.46	1460888.58	1.2346	1.7	NIVEL
579	12.1039	90.443	305.7806	1060877.98	1460883.56	-1.4271	1.7	NIVEL
580	13.0823	90.4433	302.8692	1060882.33	1460879.6	-2.9933	1.7	NIVEL
581	14.2406	90.4555	298.893	1060887.81	1460874.16	-4.7618	1.7	NIVEL
582	15.2617	90.4555	291.8423	1060891.16	1460865.97	-6.6674	1.7	NIVEL
583	4.2949	90.4214	283.6892	1060835.72	1460867.48	2.6456	1.3	D12-D13
584	184.2951	89.2129	283.6807	1060813.48	1460584.69	6.0439	1.3	D13-D12
585	104.08	90.2818	73.9684	1060907.45	1460849.42	-2.5479	1.7	NIVEL
586	102.0606	90.2816	70.7543	1060904.9	1460852.65	-3.121	1.7	NIVEL
587	99.4348	90.3007	70.8278	1060905.53	1460855.51	-3.6594	1.7	NIVEL
588	95.2833	90.3139	68.1168	1060903.52	1460860.98	-4.9662	1.7	NIVEL
589	90.5415	90.3148	65.5271	1060901.24	1460866.45	-6.3451	1.7	NIVEL
590	86.355	90.3005	63.7991	1060899.41	1460871.27	-5.0973	1.7	NIVEL
591	81.4132	90.3255	62.5279	1060897.59	1460876.52	-5.138	1.7	NIVEL
592	77.0924	90.3242	61.8813	1060896.05	1460881.24	-4.0277	1.7	NIVEL
593	72.1714	90.3125	61.5527	1060894.35	1460886.21	-2.7015	1.7	NIVEL
594	64.2421	90.3439	59.7672	1060889.62	1460893.3	-0.6416	1.7	NIVEL
595	58.3353	90.3449	56.4969	1060883.92	1460896.95	0.1887	1.7	NIVEL
596	51.2429	90.3301	53.8734	1060877.83	1460901.08	0.2433	1.7	NIVEL
597	44.3252	90.4245	52.1769	1060872.32	1460904.66	0.2121	1.7	NIVEL
598	39.3809	90.3915	52.3924	1060869.14	1460907.83	0.5627	1.7	NIVEL
599	109.5528	90.3641	71.1004	1060902.56	1460843.25	2.1021	1.3	LAMINA
600	109.0048	88.5519	84.3361	1060915.44	1460840.01	4.0478	1.7	D13-HERNANDO
601	83.4001	90.2127	95.3358	1060930.47	1460878	-5.7336	1.7	NIVEL
602	86.2927	90.2121	98.2046	1060933.74	1460873.49	-6.1489	1.7	NIVEL
603	90.2021	90.213	98.7924	1060934.51	1460866.9	-6.6566	1.7	NIVEL
604	93.4058	90.2139	100.0176	1060935.53	1460861.06	-5.7686	1.7	NIVEL
605	96.2454	90.222	101.3973	1060936.48	1460856.15	-4.6973	1.7	NIVEL
606	98.5548	90.2114	102.4428	1060936.92	1460851.58	-3.3717	1.7	NIVEL
607	102.2839	90.2126	99.1497	1060932.53	1460846.06	-0.6571	1.7	NIVEL
608	102.5526	90.2553	100.3713	1060933.55	1460845.03	2.1056	1.3	LAMINA
609	82.0128	90.2515	95.2175	1060930.02	1460880.69	2.1621	1.3	LAMINA
610	75.3127	90.2945	84.4139	1060917.45	1460888.58	2.1306	1.3	LAMINA
611	64.3235	90.3109	79.0536	1060907.1	1460901.46	2.1445	1.3	LAMINA
612	54.2846	90.3405	74.2249	1060896.13	1460910.6	2.125	1.3	LAMINA
613	34.5418	90.4017	60.9976	1060870.62	1460917.5	2.1462	1.3	LAMINA
614	79.5908	90.2036	129.4757	1060963.22	1460890	2.0861	1.3	LAMINA
615	83.5243	90.1716	134.807	1060969.76	1460881.86	-2.2156	1.7	NIVEL
616	85.2528	90.1637	134.6654	1060969.96	1460878.22	-2.1891	1.7	NIVEL
617	86.561	90.1639	135.7836	1060971.31	1460874.74	-2.2959	1.7	NIVEL
618	89.0441	90.1616	136.4245	1060972.13	1460869.68	-2.384	1.7	NIVEL
619	92.2337	90.1629	138.9354	1060974.53	1460861.68	-2.0046	1.7	NIVEL
620	94.4955	90.1629	141.7352	1060976.95	1460855.54	-1.2176	1.7	NIVEL
621	94.4955	90.1629	141.7352	1060976.95	1460855.54	-0.8176	1.7	NIVEL
622	98.5131	90.1528	146.1004	1060980.08	1460844.98	-0.7954	1.7	NIVEL
623	103.0448	90.1518	142.4493	1060974.47	1460835.24	-0.6722	1.7	NIVEL
624	103.2054	90.0657	144.0777	1060975.91	1460834.22	2.1707	1.7	LAMINA
625	103.2939	90.1241	193.559	1061023.94	1460822.32	2.1492	1.3	LAMINA
626	103.1729	90.1037	194.3939	1061024.91	1460822.79	0.2628	1.7	NIVEL
627	102.052	90.1043	194.608	1061026.01	1460826.73	-0.9435	1.7	NIVEL
628	100.0627	90.1047	194.8901	1061027.59	1460833.28	-1.7482	1.7	NIVEL
629	98.0351	90.1046	195.4593	1061029.25	1460840.06	-2.149	1.7	NIVEL
630	96.0604	90.1045	196.7161	1061031.32	1460846.57	-2.4518	1.7	NIVEL
631	94.2128	90.1046	198.0478	1061033.2	1460852.43	-3.0571	1.7	NIVEL
632	92.365	90.1047	199.4486	1061034.96	1460858.39	-3.1625	1.7	NIVEL
633	91.3728	90.1143	205.2875	1061040.93	1460861.66	-0.936	1.7	NIVEL
634	90.3955	90.1145	203.2293	1061038.94	1460865.12	-0.4317	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
635	90.1206	90.1317	202.982	1061038.7	1460866.77	2.0792	1.3	LAMINA
636	91.0021	90.0922	269.4526	1061105.13	1460862.75	2.1319	1.3	LAMINA
637	91.2136	90.0749	271.1051	1061106.75	1460861.05	-0.6513	1.7	NIVEL
638	90.0314	89.4701	269.1146	1061104.83	1460867.23	3.8818	1.7	CORONA
639	92.0256	90.0911	274.0518	1061109.6	1460857.68	-0.8668	1.7	NIVEL
640	93.0335	90.0814	277.0773	1061112.4	1460852.69	-0.9978	1.7	NIVEL
641	94.0655	90.0827	280.7434	1061115.74	1460847.33	-2.0241	1.7	NIVEL
642	95.2145	90.0753	285.4095	1061119.88	1460840.81	-1.6885	1.7	NIVEL
643	96.2227	90.0743	289.5008	1061123.43	1460835.34	-1.483	1.7	NIVEL
644	97.2051	90.0739	293.0419	1061126.36	1460830.01	-1.4854	1.7	NIVEL
645	97.3654	90.073	313.1917	1061146.15	1460825.98	-0.9169	1.7	NIVEL
646	97.4329	90.0737	317.9029	1061150.74	1460824.75	2.1632	1.3	LAMINA
647	90.3952	89.5824	392.0195	1061227.71	1460862.94	2.7035	1.65	D13-D14
648	270.3951	89.5701	392.0222	1060835.72	1460867.48	2.6532	1.75	D14-D13
649	275.3312	89.1956	92.4067	1061135.75	1460871.88	3.8311	1.3	CORONA
650	276.5809	89.1941	117.4741	1061111.12	1460877.19	4.1318	1.3	NIVEL
651	273.0215	90.2303	90.0404	1061137.8	1460867.71	2.1502	1.3	LAMINA
652	273.5832	90.2603	65.3303	1061162.54	1460867.46	-2.5413	1.7	NIVEL
653	270.0524	90.2559	63.1388	1061164.58	1460863.03	-2.1236	1.7	NIVEL
654	264.3727	90.2527	57.898	1061170.07	1460857.51	-2.0749	1.7	NIVEL
655	259.0957	90.3335	53.2607	1061175.41	1460852.92	-1.9666	1.7	NIVEL
656	252.3614	90.3044	50.3712	1061179.65	1460847.88	-1.7966	1.7	NIVEL
657	244.5156	90.3236	48.7109	1061183.62	1460842.25	0.0918	1.7	NIVEL
658	240.4244	90.323	56.4805	1061178.46	1460835.31	0.3198	1.7	NIVEL
659	291.2126	88.5153	63.6776	1061168.42	1460886.12	4.0154	1.3	CORONA
660	291.2125	89.0622	93.6863	1061140.47	1460897.05	4.2158	1.3	NIVEL
661	287.1728	90.402	58.1187	1061172.23	1460880.21	2.0718	1.3	LAMINA
662	3.3239	92.1427	12.9782	1061228.52	1460875.88	-1.7539	1.7	NIVEL
663	350.4905	92.0218	14.221	1061225.45	1460876.97	-1.9523	1.7	NIVEL
664	335.3536	91.3505	17.71	1061220.4	1460879.06	-2.0363	1.7	NIVEL
665	325.3241	91.1649	23.763	1061214.27	1460882.52	-2.0774	1.7	NIVEL
666	323.4231	91.0344	28.3947	1061210.91	1460885.82	-1.8729	1.7	NIVEL
667	323.0348	90.5314	34.7923	1061206.81	1460890.74	-1.1851	1.7	NIVEL
668	322.5433	90.4608	39.5485	1061203.87	1460894.48	-0.9771	1.7	NIVEL
669	316.5802	90.4346	44.7443	1061197.18	1460895.64	-0.9159	1.7	NIVEL
670	333.2434	88.4646	59.4438	1061201.11	1460916.08	4.02	1.3	CORONA
671	333.2437	88.5616	84.2031	1061190.03	1460938.22	4.3151	1.3	NIVEL
672	336.4521	90.4	54.8119	1061206.08	1460913.29	2.1158	1.3	LAMINA
673	351.5658	90.272	67.7839	1061218.22	1460930.05	-1.4853	1.7	NIVEL
674	353.342	90.2738	67.3802	1061220.17	1460929.89	-1.7878	1.7	NIVEL
675	358.555	90.2656	64.3756	1061226.51	1460927.3	-2.8506	1.7	NIVEL
676	3.1023	90.2733	60.8181	1061231.08	1460923.66	-2.9337	1.7	NIVEL
677	10.2924	90.3257	57.6812	1061238.22	1460919.65	-3.9991	1.7	NIVEL
678	15.3342	90.3314	56.0142	1061242.74	1460916.89	-3.5876	1.7	NIVEL
679	21.4043	90.3323	52.9047	1061247.26	1460912.1	-1.46	1.7	NIVEL
680	23.1906	90.393	47.1717	1061246.39	1460906.25	-1.2883	1.7	NIVEL
681	356.0216	88.5854	84.3374	1061221.89	1460947.06	4.2527	1.3	CORONA
682	344.3952	89.0222	101.4261	1061200.89	1460960.74	4.4545	1.3	NIVEL
683	357.5933	90.2451	88.4157	1061224.62	1460951.29	2.1147	1.3	LAMINA
684	23.0213	90.1302	96.1251	1061265.33	1460951.39	-3.5102	1.8	NIVEL
685	16.3703	90.2052	95.2548	1061254.96	1460954.21	-3.624	1.7	NIVEL
686	13.4933	90.205	95.9948	1061250.65	1460956.15	-3.3276	1.7	NIVEL
687	11.0055	90.2014	97.0082	1061246.25	1460958.15	-2.7169	1.7	NIVEL
688	8.1322	90.201	97.9483	1061241.72	1460959.88	-2.0206	1.7	NIVEL
689	5.3046	90.2008	99.559	1061237.28	1460962.03	-1.5289	1.7	NIVEL
690	3.1539	90.1945	97.8672	1061233.28	1460960.64	-1.1079	1.7	NIVEL
691	2.0148	90.1707	104.276	1061231.41	1460967.14	-0.7652	1.7	NIVEL
692	2.0923	89.1815	124.6047	1061232.4	1460987.44	4.2676	1.3	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
693	349.0358	89.1114	128.0472	1061203.43	1460988.65	4.5713	1.3	NIVEL
694	4.0436	90.1741	126.2945	1061236.69	1460988.91	2.1049	1.3	LAMINA
695	5.352	90.1439	136.2354	1061240.98	1460998.52	-1.5259	1.7	NIVEL
696	6.2814	90.1445	136.781	1061243.13	1460998.84	-2.1324	1.7	NIVEL
697	7.4244	90.1444	138.3438	1061246.28	1461000.03	-2.4379	1.7	NIVEL
698	8.5236	90.1443	139.843	1061249.29	1461001.1	-2.8438	1.7	NIVEL
699	10.2527	90.1444	140.9367	1061253.21	1461001.54	-2.7495	1.7	NIVEL
700	12.3838	90.1443	141.9393	1061258.78	1461001.43	-2.6526	1.7	NIVEL
701	14.3702	90.1437	142.6819	1061263.72	1461001	-2.6521	1.7	NIVEL
702	17.2149	90.145	144.5463	1061270.85	1461000.89	-1.8688	1.7	NIVEL
703	17.5757	90.1446	144.9706	1061272.43	1461000.84	-1.2675	1.7	NIVEL
704	20.1648	90.154	143.688	1061277.52	1460997.72	-0.6002	1.7	NIVEL
705	21.2911	90.1443	140.6333	1061279.23	1460993.79	1.7529	1.7	LAMINA
706	31.3401	89.0217	142.8571	1061302.49	1460984.64	6.453	0	NIVEL
707	17.0442	90.1135	178.0311	1061280	1461033.12	-0.0439	1.7	NIVEL
708	17.4802	90.1132	181.8483	1061283.31	1461036.08	2.1453	1.3	LAMINA
709	16.5807	90.1132	182.3745	1061280.94	1461037.37	-1.156	1.7	NIVEL
710	15.263	90.1129	179.6641	1061275.55	1461036.11	-3.2446	1.7	NIVEL
711	13.4359	90.1146	177.7727	1061269.92	1461035.63	-3.2533	1.7	NIVEL
712	11.4339	90.1226	175.6747	1061263.42	1461034.94	-2.9795	1.7	NIVEL
713	9.3837	90.12	174.1135	1061256.88	1461034.59	-2.8524	1.7	NIVEL
714	7.2357	90.1221	173.6708	1061250.08	1461035.16	-1.2687	1.7	NIVEL
715	5.5817	90.1122	178.4086	1061246.27	1461040.38	-0.2347	1.7	NIVEL
716	5.165	90.1402	176.0948	1061243.92	1461038.28	2.0367	1.3	LAMINA
717	3.4647	90.112	229.4951	1061242.84	1461091.93	2.0005	1.3	LAMINA
718	5.4434	90.0937	229.5405	1061250.68	1461091.32	-0.6854	1.7	NIVEL
719	6.3046	90.0938	230.4908	1061253.86	1461091.94	-1.1883	1.7	NIVEL
720	7.3521	90.0936	232.7984	1061258.46	1461093.69	-1.4932	1.7	NIVEL
721	8.2545	90.0937	234.5054	1061262.09	1461094.91	-1.6993	1.7	NIVEL
722	9.1639	90.084	236.1129	1061265.78	1461095.96	-1.7384	1.7	NIVEL
723	10.2402	90.0842	237.6177	1061270.61	1461096.65	-2.2445	1.7	NIVEL
724	11.1005	90.0837	240.0911	1061274.22	1461098.48	-1.844	1.7	NIVEL
725	12.1346	90.0842	247.2782	1061280.09	1461104.6	-1.4679	1.7	NIVEL
726	12.3647	90.0839	250.0135	1061282.31	1461106.91	2.1285	1.3	LAMINA
727	13.2334	89.4239	251.5161	1061285.97	1461107.61	4.0269	1.3	NIVEL
728	14.1816	89.152	251.5651	1061289.86	1461106.68	7.3264	0	CORONA
729	6.3955	89.5057	322.6305	1061265.16	1461183.38	3.6103	1.3	D14-D15
730	19.292	90.1248	170.8919	1061284.73	1461024.04	2.1192	1.3	LAMINA
731	26.3935	90.152	113.8148	1061278.78	1460964.65	2.0467	1.5	LAMINA
732	28.101	88.5951	113.8707	1061281.46	1460963.3	6.0467	0	NIVEL
733	27.2615	90.4728	49.9884	1061250.75	1460907.3	2.0636	1.3	LAMINA
734	36.3151	86.1532	50.728	1061257.85	1460903.61	7.3636	0	NIVEL
735	14.1548	95.364	6.9075	1061229.41	1460869.6	2.0781	1.3	LAMINA
736	81.2554	74.0825	7.5367	1061234.88	1460864.02	4.8132	1.3	CORONA
737	186.3955	90.0927	322.6301	1061227.71	1460862.94	2.7163	1.35	D15-D14
738	198.2922	89.5223	97.2545	1061234.32	1461091.15	3.8614	1.3	CORONA
739	209.534	89.4541	99.2916	1061215.67	1461097.31	4.0593	1.3	NIVEL
740	212.1917	89.3557	65.0843	1061230.36	1461128.39	4.101	1.3	CORONA
741	213.0854	91.3438	56.7405	1061234.15	1461135.9	2.0838	1.3	LAMINA
742	274.0032	89.5508	48.9833	1061216.3	1461186.81	3.7149	1.3	CORONA
743	274.003	89.4729	73.9824	1061191.36	1461188.56	3.915	1.3	LAMINA
744	278.5147	91.5145	47.5199	1061218.23	1461190.7	2.101	1.3	LAMINA
745	319.4752	95.1329	16.3209	1061254.67	1461195.8	-2.0409	1.7	NIVEL
746	306.303	94.5108	17.2763	1061251.33	1461193.63	-3.216	1.7	NIVEL
747	296.25	94.0155	20.8949	1061246.49	1461192.66	-3.5239	1.7	NIVEL
748	286.2307	93.1853	26.1163	1061240.15	1461190.74	-3.2647	1.7	NIVEL
749	281.533	92.3813	32.0141	1061233.87	1461189.97	-2.8275	1.7	NIVEL
750	278.3823	92.1728	36.2588	1061229.34	1461188.83	-2.1041	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
751	275.1814	92.072	39.5682	1061225.79	1461187.04	-1.0199	1.7	NIVEL
752	269.2209	92.015	41.9287	1061223.26	1461182.92	-0.7402	1.7	NIVEL
753	304.0002	89.5703	80.562	1061198.37	1461228.43	3.7147	1.3	CORONA
754	304.0004	89.5231	100.5622	1061181.79	1461239.62	3.8648	1.3	NIVEL
755	307.3138	91.0657	77.304	1061203.87	1461230.46	2.1403	1.3	LAMINA
756	306.3145	91.0739	72.809	1061206.67	1461226.71	-0.6871	1.7	NIVEL
757	308.3757	91.0856	71.0851	1061209.64	1461227.76	-0.6797	1.7	NIVEL
758	314.1542	91.1245	67.9748	1061216.49	1461230.82	-0.693	1.7	NIVEL
759	319.2026	91.1344	66.1204	1061222.09	1461233.53	-0.6725	1.7	NIVEL
760	325.1657	91.1827	64.6956	1061228.33	1461236.55	-0.7308	1.7	NIVEL
761	329.4302	91.1813	63.7318	1061233.03	1461238.41	-0.4043	1.7	NIVEL
762	334.2216	91.1758	63.0371	1061237.9	1461240.21	0.016	1.7	NIVEL
763	341.181	91.1758	63.0371	1061244.96	1461243.08	2.016	1.5	LAMINA
764	333.3558	91.1639	63.8723	1061236.77	1461240.58	-0.0784	1.7	NIVEL
765	315.3359	89.5759	114.8658	1061184.75	1461265.41	3.7137	1.3	CORONA
766	315.34	89.5311	134.8661	1061170.75	1461279.69	3.9138	1.3	NIVEL
767	318.2619	90.481	113.3116	1061190	1461268.16	2.0589	1.3	LAMINA
768	319.1416	90.4402	112.9572	1061191.42	1461268.93	-3.0008	1.7	NIVEL
769	320.5216	90.4352	111.1432	1061195.03	1461269.59	-3.3721	1.7	NIVEL
770	323.0509	90.46	109.7384	1061199.26	1461271.12	-2.822	1.7	NIVEL
771	325.0908	90.4655	109.2061	1061202.77	1461273	-2.8445	1.7	NIVEL
772	327.424	90.4547	109.132	1061206.87	1461275.63	-3.1073	1.7	NIVEL
773	329.5135	90.4638	109.5234	1061210.17	1461278.09	-3.0396	1.7	NIVEL
774	332.1926	90.461	110.4565	1061213.86	1461281.19	-2.7373	1.7	NIVEL
775	334.0742	90.4634	112.0185	1061216.29	1461284.17	-2.671	1.7	NIVEL
776	325.0541	90.325	169.658	1061168.08	1461322.51	2.0272	1.3	LAMINA
777	325.4239	90.3111	170.381	1061169.18	1461324.15	-3.4979	1.7	NIVEL
778	326.3915	90.3125	169.9553	1061171.74	1461325.35	-3.6058	1.7	NIVEL
779	328.1032	90.3108	169.878	1061175.59	1461327.72	-3.2913	1.7	NIVEL
780	329.2957	90.3105	170.0442	1061178.86	1461329.89	-2.5903	1.7	NIVEL
781	331.1754	90.3127	169.6592	1061183.69	1461332.19	-0.5045	1.7	NIVEL
782	332.5812	90.3102	169.4921	1061188.14	1461334.36	-1.4831	1.7	NIVEL
783	333.5822	90.3106	169.7428	1061190.68	1461335.91	-1.8883	1.7	NIVEL
784	327.4959	90.2306	237.7945	1061138.57	1461384.67	2.0514	1.3	LAMINA
785	329.1102	90.2035	250.2288	1061136.98	1461398.28	-3.249	1.7	NIVEL
786	330.014	90.2026	250.558	1061139.99	1461400.43	-3.1398	1.7	NIVEL
787	330.2228	90.2037	251.578	1061140.8	1461402.07	-3.0586	1.7	NIVEL
788	331.1522	90.2032	253.0189	1061143.49	1461405.22	-3.0622	1.7	NIVEL
789	332.2912	90.2035	252.5364	1061148.5	1461407.36	-2.7619	1.7	NIVEL
790	333.4049	90.2032	252.1834	1061153.35	1461409.42	-2.5567	1.7	NIVEL
791	330.2952	90.1328	320.7128	1061107.23	1461462.51	2.0465	1.65	LAMINA
792	330.5453	90.1609	323.4852	1061107.91	1461466.07	-3.6671	1.7	NIVEL
793	331.2809	90.1609	323.5326	1061110.63	1461467.62	-4.0678	1.7	NIVEL
794	332.1558	90.1603	323.4493	1061114.64	1461469.67	-3.3574	1.7	NIVEL
795	333.0009	90.1609	323.5846	1061118.27	1461471.7	-3.2681	1.7	NIVEL
796	334.1519	90.1621	322.581	1061125.05	1461473.94	-3.0826	1.7	NIVEL
797	333.1006	90.0547	382.764	1061091.52	1461524.765	2.7608	1.55	D15-D2C
798	153.1007	89.5516	382.7669	1061265.16	1461183.38	3.6403	1.1	D2C-D15
799	150.5849	90.1201	278.6187	1061227.55	1461281.3	1.9348	1.3	LAMINA
800	151.232	90.1201	276.1589	1061224.63	1461282.5	-3.2567	1.7	NIVEL
801	151.4513	90.1346	273.8846	1061222.01	1461283.67	-3.488	1.7	NIVEL
802	152.2856	90.1341	261.3623	1061213.15	1461293.15	-3.4315	1.7	NIVEL
803	152.0413	90.1342	243.1263	1061206.27	1461310.13	-3.3614	1.7	NIVEL
804	151.1232	90.1342	235.0828	1061205.61	1461318.92	-3.2289	1.7	NIVEL
805	150.2322	90.1507	228.0839	1061205.09	1461326.64	-0.7951	1.7	NIVEL
806	150.0522	90.1508	219.8544	1061202.02	1461334.37	-1.361	1.7	NIVEL
807	149.052	90.1642	211.3244	1061200.95	1461343.63	1.8803	1.3	LAMINA
808	149.3107	90.1641	197.712	1061192.68	1461354.55	1.5469	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
809	147.4547	90.1947	173.7698	1061185.08	1461377.96	1.9058	1.3	LAMINA
810	147.5744	90.2149	161.44	1061178.03	1461388.09	-1.6192	1.7	NIVEL
811	147.1528	90.2351	143.6854	1061170.1	1461404.09	-0.5916	1.7	NIVEL
812	144.5834	90.2458	137.5001	1061171.3	1461412.34	1.9066	1.3	LAMINA
813	145.1307	90.2724	125.8305	1061164.17	1461421.59	-1.2984	1.7	NIVEL
814	143.3949	90.3045	112.2576	1061158.91	1461434.51	-1.7994	1.7	NIVEL
815	140.2259	90.3326	103.1059	1061158.13	1461445.52	1.9016	1.3	LAMINA
816	140.1849	90.3923	88.1018	1061148.65	1461457.14	-2.1048	1.7	NIVEL
817	130.2858	90.5132	72.255	1061147.34	1461478.03	1.8212	1.3	LAMINA
818	132.0328	90.5132	71.6119	1061145.56	1461476.97	1.8309	1.3	NIVEL
819	134.2933	90.5125	67.9859	1061140.88	1461477.3	1.8873	1.3	NIVEL
820	138.4646	91.0109	60.7967	1061132.45	1461479.22	-2.6774	1.7	NIVEL
821	143.1034	91.0922	52.9373	1061124.11	1461482.57	-2.8641	1.7	NIVEL
822	148.1533	91.1704	46.9045	1061117.06	1461485.06	-3.2475	1.7	NIVEL
823	155.1139	91.2814	42.6231	1061110.27	1461486.26	-3.7899	1.7	NIVEL
824	165.4629	91.4206	34.8615	1061100.96	1461491.16	-0.9314	1.7	NIVEL
825	170.2309	91.4854	35.0413	1061098.24	1461490.41	1.794	1.3	LAMINA
826	75.0428	98.133	7.3426	1061099.41	1461526.81	-4.3466	1.7	NIVEL
827	68.0215	96.184	9.613	1061101.25	1461528.51	-3.9529	1.7	NIVEL
828	69.5232	94.3748	13.1081	1061104.66	1461529.43	-3.9543	1.7	NIVEL
829	71.3707	93.1918	18.3343	1061109.76	1461530.71	-4.3585	1.7	NIVEL
830	71.573	92.3647	22.6418	1061113.9	1461531.94	-4.2285	1.7	NIVEL
831	72.4506	92.0619	27.8912	1061119.01	1461533.2	-3.6207	1.7	NIVEL
832	74.1921	91.4526	33.5754	1061124.7	1461534.01	-3.5257	1.7	NIVEL
833	74.2657	91.3626	37.9101	1061128.9	1461535.1	-2.0593	1.7	NIVEL
834	78.5331	91.1914	44.9421	1061136.48	1461533.59	-1.2317	1.7	NIVEL
835	80.0609	91.2218	46.4001	1061138.09	1461532.91	1.7933	1.3	LAMINA
836	53.5659	90.5804	63.3343	1061143.59	1461562.21	1.8343	1.3	LAMINA
837	53.5659	90.5804	63.3343	1061143.59	1461562.21	1.8343	1.7	NIVEL
838	52.1437	90.5802	64.9981	1061143.77	1461564.73	1.407	1.7	NIVEL
839	48.19	90.5753	62.676	1061139.19	1461566.61	1.4487	1.7	NIVEL
840	43.4757	90.5516	60.3398	1061134.15	1461568.48	1.534	1.7	NIVEL
841	30.0348	91.0708	56.5866	1061120.73	1461573.9	1.3991	1.7	NIVEL
842	23.5	90.5704	63.4148	1061118.01	1461582.94	1.4514	1.7	NIVEL
843	20.0337	91.0028	61.2468	1061113.4	1461582.46	1.4268	1.7	NIVEL
844	17.1958	91.043	58.0415	1061109.68	1461580.33	1.4152	1.7	NIVEL
845	12.5856	91.0805	58.459	1061105.52	1461581.89	1.7464	1.3	LAMINA
846	35.4107	90.3306	115.5494	1061159.79	1461618.79	1.7921	1.3	LAMINA
847	35.2258	90.3039	114.9351	1061158.94	1461618.64	-2.1199	1.7	NIVEL
848	32.1343	90.3251	114.0245	1061153.2	1461621.39	-2.2848	1.7	NIVEL
849	29.5853	90.3404	114.4974	1061149.61	1461624.11	-2.83	1.7	NIVEL
850	27.0457	90.3238	115.3251	1061144.89	1461627.61	-3.0901	1.7	NIVEL
851	24.0717	90.3351	116.2896	1061139.91	1461631.07	-3.3402	1.7	NIVEL
852	21.2057	90.3132	117.9496	1061135.33	1461634.79	-2.477	1.7	NIVEL
853	19.1132	90.3105	121.8424	1061132.45	1461640	-2.3966	1.7	NIVEL
854	16.4003	90.3104	121.8793	1061127.35	1461641.69	1.8034	1.3	LAMINA
855	21.094	90.2236	166.4707	1061152.49	1461680.18	-4.5891	1.7	NIVEL
856	20.0146	90.2515	168.7772	1061150.2	1461683.5	1.6656	1.3	LAMINA
857	21.3321	90.21	169.4776	1061154.66	1461682.56	-4.33	1.7	NIVEL
858	24.0505	90.2111	170.3617	1061161.91	1461680.47	-4.2438	1.7	NIVEL
859	26.052	90.2054	171.1023	1061167.64	1461678.6	-3.8345	1.7	NIVEL
860	27.5634	90.2112	172.3704	1061173.16	1461677.21	-3.7576	1.7	NIVEL
861	29.3421	90.2141	172.8491	1061177.7	1461675.27	-3.1842	1.7	NIVEL
862	31.1404	90.222	168.8426	1061179.94	1461669.3	-2.4915	1.7	NIVEL
863	31.3922	90.2206	170.4126	1061181.83	1461669.99	-2.3901	1.7	NIVEL
864	32.2457	90.2207	170.7571	1061183.93	1461669.09	1.8068	1.3	LAMINA
865	31.2634	90.1648	219.9483	1061207.13	1461712.59	1.8318	1.3	LAMINA
866	30.5237	90.1647	220.1282	1061205.36	1461713.87	-2.5675	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
867	29.2414	90.1702	220.3516	1061200.58	1461716.9	-3.1851	1.7	NIVEL
868	27.3903	90.1644	220.691	1061194.81	1461720.42	-3.3669	1.7	NIVEL
869	26.051	90.1629	221.0781	1061189.6	1461723.49	-3.3528	1.7	NIVEL
870	24.2124	90.1628	222.1913	1061184.03	1461727.35	-3.5567	1.7	NIVEL
871	22.404	90.1655	223.0747	1061178.4	1461730.76	-3.7906	1.7	NIVEL
872	20.513	90.1637	226.691	1061173.11	1461736.77	-4.6887	1.7	NIVEL
873	20.2709	90.1525	229.7963	1061172.69	1461740.25	-5.7226	1.7	NIVEL
874	19.1214	90.1631	228.6955	1061167.62	1461740.91	1.4088	1.7	LAMINA
875	23.2716	90.1135	312.9961	1061216.97	1461812.07	1.856	1.3	LAMINA
876	23.2314	90.1153	314.5938	1061217.27	1461813.68	-2.8771	1.7	NIVEL
877	23.3929	90.1107	315.3014	1061218.92	1461813.74	-2.7095	1.7	NIVEL
878	24.1449	90.1105	315.5089	1061221.96	1461812.61	-1.907	1.7	NIVEL
879	25.3953	90.1131	314.6365	1061228.66	1461808.53	-1.844	1.7	NIVEL
880	26.5106	90.1127	314.2444	1061234.33	1461805.3	-1.7358	1.7	NIVEL
881	27.0608	89.5446	315.3247	1061236.05	1461805.64	-0.2088	1.7	NIVEL
882	28.5921	90.1105	317.1301	1061246.09	1461802.33	-1.5115	1.7	NIVEL
883	29.522	90.1129	319.2164	1061251.38	1461801.74	-1.255	1.7	NIVEL
884	30.3535	90.1133	316.0923	1061253.26	1461797.03	-1.1518	1.7	NIVEL
885	31.5555	90.1133	315.8631	1061259.46	1461793	1.849	1.3	LAMINA
886	32.0456	89.4338	214.0123	1061206.06	1461706.27	5.226	0	CORONA
887	38.4443	89.4344	215.4676	1061227.24	1461692.99	5.2261	0	NIVEL
888	42.3004	89.4647	268.7286	1061273.95	1461723.06	5.2419	0	NIVEL
889	18.1752	88.1346	225.2985	1061163.09	1461738.74	11.1681	0	CORONA
890	317.3912	63.5634	21.3176	1061078.76	1461538.94	12.268	1.3	D2C-D2B
2000				1461049.37	1061657.84	17.656	1.515	GPS1
2001	284.323	89.2037	47.1856	1461003.7	1061669.68	18.0116	1.7	GPS1 - GPS2
2002	293.0835	89.332	43.6686	1461009.22	1061675	17.8099	1.7	VIA
2003	288.1034	89.2638	38.9333	1461012.39	1061669.98	17.8489	1.7	VIA
2004	291.5747	89.044	41.1302	1461011.23	1061673.22	18.1332	1.7	PZA
2005	252.4739	87.5144	8.3135	1461041.44	1061655.38	17.7811	1.7	VIA
2006	283.0512	86.272	4.7873	1461044.72	1061658.92	17.767	1.7	VIA
2007	352.0313	79.043	1.621	1461049.15	1061659.41	17.7782	1.7	VIA
2008	28.5752	89.2229	41.3243	1461069.39	1061693.99	17.9221	1.7	VIA
2009	33.0943	89.2228	41.2792	1461071.95	1061692.39	17.9218	1.7	VIA
2010	31.1206	90.1217	104.3185	1461103.42	1061747.06	17.0993	1.7	VIA
2011	29.2254	90.0959	104.1378	1461100.47	1061748.58	17.1691	1.7	VIA
2012	18.3037	90.032	106.0406	1461083.04	1061758.39	17.3691	1.7	NIVEL
2013	32.0633	89.5223	183.9089	1461147.13	1061813.61	17.8805	1.7	NIVEL
2014	34.364	89.5221	183.908	1461153.84	1061809.2	17.6822	1.9	NIVEL
2015	30.5759	89.5223	182.1327	1461143.09	1061814.01	17.6764	1.9	NIVEL
2016	24.4158	89.5222	183.2216	1461125.93	1061824.29	18.08	1.5	NIVEL
2017	66.5135	87.5928	51.6003	1461096.79	1061678.1	17.0801	3.9	NIVEL
2018	66.5136	88.4655	61.5524	1461105.96	1061682.02	16.5798	3.9	CORONA
2019	53.1603	89.0352	81.4653	1461114.66	1061706.55	16.6016	3.9	CORONA
2020	213.2616	89.1055	45.2604	1461024.44	1061620.07	18.1173	1.7	GPS1 - D1
2021	116.5058	84.272	2.1685	1461051.3	1061656.86	17.6805	1.7	PARAMENTO
2022	213.1611	89.2049	92.3153	1460998.74	1061580.66	18.5236	1.7	GPS1 - D2
2023	285.4809	89.2335	37.8348	1461012.97	1061668.14	17.8718	1.7	PARAMENTO
2024	255.5907	88.2248	11.3054	1461038.41	1061655.1	17.7906	1.7	PARAMENTO
2025	215.5812	89.2702	89.8881	1460996.58	1061585.09	18.3335	1.7	PARAMENTO
2026	225.1806	90.3053	35.7287	1461023.98	1061632.71	18.3501	0.5	PARAMENTO
2027	210.5538	89.2001	43.6378	1461026.95	1061620.4	17.9786	1.7	PARAMENTO
2028	210.1107	89.2102	47.1406	1461025.67	1061617.09	18.0055	1.7	PARAMENTO
2029	213.0817	89.2009	46.4982	1461023.96	1061618.9	18.0102	1.7	VIA
2030	213.2245	89.142	43.9205	1461025.21	1061621.16	18.0546	1.7	VIA
2031	217.2845	89.1728	45.6006	1461021.63	1061621.65	18.0353	1.7	VIA
2032	33.2616	90.1302	45.2512	1461049.37	1061657.83	17.671	1.7	D1 - GPS1
2033	120.0252	91.341	25.1384	1461046.19	1061607.49	17.1538	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2034	126.3245	91.3152	24.9969	1461044.51	1061605.19	17.1744	1.7	VIA
2035	126.1001	93.2755	29.0988	1461047.89	1061602.93	16.0834	1.7	VIA
2036	119.27	93.5315	28.8816	1461049.53	1061605.9	15.8843	1.7	VIA
2037	122.3456	94.0029	31.4376	1461050.86	1061603.18	15.645	1.7	VIA
2038	118.4347	92.4503	27.9661	1461048.93	1061606.64	16.5002	1.7	PARAMENTO
2039	127.2043	92.451	27.8676	1461046.57	1061603.19	16.504	1.7	NIVEL
2040	123.2522	93.4442	30.1897	1461049.58	1061603.48	15.8705	1.7	D1 - D1A
2041	126.213	90.2612	42.4739	1461058.64	1061594.89	14.2187	5	CULATA
2042	126.1848	91.0035	52.3378	1461066.6	1061589.08	13.6202	5	CORONA
2043	303.2521	85.2051	30.2243	1461024.44	1061620.07	18.1121	1.7	D1A - D1
2044	27.3832	86.4948	20.6513	1461059.15	1061621.74	16.8025	1.7	VIA
2045	35.0154	87.1438	20.7917	1461061.5	1061620.48	16.6603	1.7	VIA
2046	29.1202	89.1544	37.3501	1461067.8	1061636.08	16.1415	1.7	VIA
2047	34.2801	90.1351	37.6816	1461070.91	1061634.54	16.2087	1	VIA
2048	41.0744	88.1953	14.8605	1461059.35	1061614.67	16.0932	1.7	PARAMENTO
2049	23.2806	86.2638	15.6496	1461055.8	1061617.8	17.3312	1	PARAMENTO
2050	26.4837	90.1459	45.7833	1461070.23	1061644.34	16.3611	0.8	PARAMENTO
2051	37.3614	89.5604	37.4048	1461072.4	1061633.11	16.6033	0.8	PARAMENTO
2052	37.361	89.5602	37.4022	1461072.4	1061633.11	15.7037	1.7	PARAMENTO
2053	30.1039	90.2115	45.6821	1461072.54	1061642.97	15.3783	1.7	CASA
2054	30.1741	89.5102	39.6494	1461069.58	1061637.71	15.7641	1.7	CASA
2055	37.3155	90.1906	39.6956	1461073.76	1061634.96	15.4401	1.7	CASA
2056	54.2102	90.5943	41.4785	1461083.28	1061627.65	14.9402	1.7	CULATA
2057	194.0825	93.1947	12.7304	1461046.48	1061591.15	15.6211	1	PARAMENTO
2058	214.4729	86.2622	24.2851	1461035.75	1061583.57	17.1687	1.7	PARAMENTO
2059	206.3917	86.5803	40.728	1461031.33	1061567.13	18.2153	1.3	PARAMENTO
2060	212.5405	86.2602	40.501	1461027.62	1061569.54	18.1797	1.7	PARAMENTO
2061	209.1431	86.4919	47.0698	1461026.62	1061562.47	18.2702	1.7	PARAMENTO
2062	209.5056	87.1533	58.0127	1461020.74	1061553.22	18.4347	1.7	CULATA
2063	209.4951	87.4855	78.0029	1461010.81	1061535.86	18.6345	1.7	NIVEL
2064	209.1658	88.2209	107.9933	1460996.78	1061509.32	18.7348	1.7	NIVEL
2065	209.5031	86.4448	45.4434	1461027	1061564.12	18.2396	1.7	VIA
2066	211.5858	86.2835	41.5666	1461027.61	1061568.29	18.2153	1.7	VIA
2067	208.1249	86.3231	43.0014	1461029.29	1061565.65	18.2543	1.7	VIA
2068	212.1433	86.0355	17.9531	1461040.03	1061588.33	16.8925	1.7	VIA
2069	204.5502	86.3639	15.917	1461042.89	1061589.07	16.6015	1.7	VIA
2070	33.1613	90.2425	92.3045	1461049.37	1061657.83	17.6785	1.7	D2 - GPS1
2071	162.2949	89.3559	1.6077	1460999.22	1061579.12	18.3448	1.7	VIA
2072	48.3912	91.0043	3.4671	1461001.34	1061582.95	18.2724	1.7	VIA
2073	322.5146	90.3319	2.9428	1460996.96	1061583	18.3051	1.7	VIA
2074	252.2806	90.1516	4.8232	1460994.14	1061579.2	18.3122	1.7	VIA
2075	300.4049	90.2849	37.3767	1460966.59	1061599.73	18.0204	1.7	VIA
2076	294.4343	90.2523	37.8868	1460964.32	1061596.5	18.0539	1.7	VIA
2077	300.3518	90.2408	40.7968	1460963.62	1061601.42	18.0474	1.7	VIA
2078	292.2446	90.2402	34.5961	1460966.75	1061593.85	18.0918	1.7	PARAMENTO
2079	305.4916	90.3824	34.4857	1460970.77	1061600.84	17.9485	1.7	PARAMENTO
2080	253.5359	90.1505	6.2932	1460992.69	1061578.91	18.306	1.7	PARAMENTO
2081	145.5307	89.4816	3.3048	1461000.59	1061577.92	18.3449	1.7	PARAMENTO
2082	81.2112	87.4426	6.1066	1461004.77	1061581.57	18.5744	1.7	PARAMENTO
2083	195.113	89.1046	11.0602	1460995.84	1061569.98	18.492	1.7	PARAMENTO
2084	219.5014	89.3845	31.1826	1460978.76	1061556.71	18.5264	1.7	PARAMENTO
2085	215.4726	89.5654	66.5864	1460959.79	1061526.64	18.3939	1.7	PARAMENTO
2086	213.295	89.5008	84.341	1460952.19	1061510.32	18.5759	1.7	VIA
2087	213.2111	89.5014	88.1405	1460950.28	1061507.03	18.5845	1.7	VIA
2088	210.3621	89.414	86.1989	1460954.85	1061506.47	18.7936	1.7	VIA
2089	210.5754	89.4029	88.385	1460953.26	1061504.87	18.836	1.7	D2 - D3
2090	214.1811	89.4944	89.9869	1460948.02	1061506.32	18.603	1.7	PARAMENTO
2091	210.5936	89.3809	121.8055	1460936.01	1061476.24	19.1084	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2092	212.3321	89.4219	122.8814	1460932.61	1061477.09	18.9665	1.7	VIA
2093	212.2334	89.4325	168.7679	1460908.32	1061438.15	19.1497	1.7	VIA
2094	212.1756	89.4303	173.4873	1460906.04	1061434.01	19.1913	1.7	VIA
2095	211.1321	89.4048	170.4554	1460910.38	1061434.89	19.2874	1.7	VIA
2096	211.2849	89.3938	172.2404	1460908.79	1061433.77	19.3558	1.7	PZA
2097	211.5252	89.4011	169.2888	1460909.33	1061436.91	19.3116	1.7	D2 -D4
2098	210.3128	89.5936	148.075	1460923.53	1061453.1	19.7523	0.3	CERCA
2099	202.5939	89.3646	149.4	1460940.38	1061443.13	19.345	1.7	NIVEL
2100	209.5858	89.3905	113.7917	1460941.87	1061482.09	19.027	1.7	CERCA
2101	197.5451	89.3339	116.4977	1460962.9	1061469.81	19.2274	1.7	NIVEL
2102	208.574	89.4056	70.3421	1460964.68	1061519.11	18.7241	1.7	CERCA
2103	205.393	89.413	34.5249	1460983.79	1061549.54	18.5195	1.7	CERCA
2104	118.4804	90.5658	61.4396	1461052.57	1061551.06	17.3158	1.7	D2 -D2A
2105	298.4804	88.4134	61.4469	1460998.74	1061580.66	18.528	1.7	D2A -D2
2106	240.59	86.575	18.4507	1461036.46	1061542.12	18.1031	1.7	CULATA
2107	226.0819	88.5819	43.4313	1461021.26	1061520.97	17.9051	1.7	NIVEL
2108	208.4659	89.2931	53.3381	1461026.89	1061504.31	17.5989	1.7	NIVEL
2109	340.1248	88.0144	3.679	1461051.32	1061554.52	17.2523	1.7	PARAMENTO
2110	26.0206	92.2629	36.1967	1461068.44	1061583.55	15.9839	1.3	PARAMENTO
2111	36.1036	91.2038	23.1494	1461066.23	1061569.74	16.5829	1.7	CASA
2112	38.5147	91.5516	17.0371	1461063.25	1061564.32	16.5547	1.7	NIVEL
2113	55.0905	86.0838	26.7131	1461074.44	1061566.29	15.6224	5	CORONA
2114	50.5035	97.3154	9.4311	1461059.82	1061556.96	16.2896	1.3	CASA
2115	76.0815	100.5434	4.7321	1461057.08	1061552.17	16.6302	1.3	CASA
2116	110.5041	96.5011	20.2435	1461071.35	1061543.91	15.1161	1.3	CASA
2117	124.024	95.1936	18.7245	1461068.02	1061540.62	15.7875	1.3	PARAMENTO
2118	26.53	94.1715	28.1388	1461065.26	1061576.09	16.7222	0	VIA
2119	33.2949	91.2221	26.8886	1461067.4	1061573.48	16.4817	1.7	VIA
2120	65.4455	88.2324	2.6059	1461054.94	1061552.13	17.199	1.7	VIA
2121	340.325	87.5808	2.5965	1461051.7	1061553.51	17.2178	1.7	VIA
2122	118.0246	98.4002	25.7837	1461075.06	1061539.08	13.2404	1.7	VIA
2123	113.5127	99.1045	26.8017	1461076.77	1061540.36	12.8504	1.7	CORONA
2124	114.5259	99.3344	29.2735	1461078.75	1061538.91	12.263	1.7	D2A - D2B
2125	294.5257	79.2709	29.3664	1461052.56	1061551.06	17.3586	1.7	D2B - D2A
2126	245.591	69.4649	5.0484	1461074.43	1061536.99	13.7278	1.7	PARAMENTO
2127	216.0227	90.422	13.7509	1461070.66	1061527.8	11.8137	1.7	CULATA
2128	336.424	84.2613	11.0588	1461074.4	1061549.02	13.4551	1.3	CULATA
2129	10.4743	87.3408	22.3484	1461082.94	1061560.85	13.331	1.3	CORONA
2130	81.594	97.4802	64.6399	1461142.17	1061547.83	3.2099	1.7	CORONA
2131	69.0627	97.1052	73.3842	1461146.78	1061564.88	3.5099	1	CORONA
2132	60.2234	95.3545	87.1517	1461154.15	1061581.79	3.4854	1.7	CORONA
2133	48.0839	94.0133	117.7263	1461166.22	1061617.27	3.719	1.7	CORONA
2134	48.1155	93.1217	142.9284	1461185.14	1061634.03	3.9945	1.7	NIVEL
2135	48.1156	92.4331	167.9628	1461203.82	1061650.74	3.9987	1.7	NIVEL
2136	65.0259	94.0533	130.8456	1461197.09	1061593.97	2.6464	1.7	NIVEL
2137	65.0305	93.2147	155.7767	1461219.75	1061604.51	2.8466	1.7	NIVEL
2138	65.033	92.5255	180.6997	1461242.39	1061615.02	2.9	1.7	NIVEL
2139	86.1114	94.4701	111.539	1461189.66	1061546.31	2.6823	1.7	NIVEL
2140	85.4326	93.4518	137.4195	1461215.5	1061549.14	2.9848	1.7	NIVEL
2141	86.3503	93.1148	161.3425	1461239.56	1061548.51	2.9874	1.7	NIVEL
2142	101.1314	94.5342	100.9627	1461177.43	1061519.34	3.3686	1.7	NIVEL
2143	101.1314	93.4114	130.8887	1461206.88	1061513.5	3.5669	1.7	NIVEL
2144	101.1314	93.0939	150.8366	1461226.48	1061509.61	3.6676	1.7	NIVEL
2145	130.315	96.065	96.2913	1461151.53	1061476.7	3.128	0.3	CORONA
2146	122.4631	91.5257	159.8548	1461213.09	1061452.42	5.6335	2.8	NIVEL
2147	122.4629	91.3206	184.8771	1461234.14	1061438.87	5.2329	3.5	NIVEL
2148	122.4656	91.2523	209.8409	1461255.12	1061425.33	4.9744	3.5	NIVEL
2149	147.4454	92.1831	241.0674	1461207.29	1061335.21	2.2764	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2150	147.4449	92.0255	266.0418	1461220.64	1061314.07	2.4768	1.7	CORONA
2151	123.075	90.462	313.2314	1461341.04	1061367.73	7.7689	1.7	NIVEL
2152	123.075	90.3804	363.246	1461382.93	1061340.39	7.9693	1.7	NIVEL
2153	132.1201	90.4233	317.2178	1461313.73	1061325.85	8.0634	1.7	NIVEL
2154	114.0343	90.4128	317.2398	1461368.41	1061409.58	8.1637	1.7	NIVEL
2155	123.0751	90.5747	263.2892	1461299.21	1061395.03	7.5627	1.7	NIVEL
2156	77.1606	105.4442	7.7038	1461085.99	1061540.55	9.8925	1.7	NIVEL
2157	130.07	116.2511	9.6392	1461085.36	1061533.35	7.6941	1.7	NIVEL
2158	171.4236	105.1032	28.0085	1461082.65	1061512.17	4.651	1.7	NIVEL
2159	166.3342	103.3415	42.3863	1461088.33	1061498.84	2.0372	1.7	NIVEL
2160	167.2617	102.5227	43.2843	1461087.93	1061497.73	4.0388	0	NIVEL
2161	147.4618	113.4656	25.4168	1461091.16	1061519.24	1.7334	1.7	LAMINA
2162	122.2332	119.255	20.7396	1461094.01	1061529.24	1.7922	1.7	LAMINA
2163	137.3708	115.4225	21.257	1461091.66	1061524.77	2.7624	1.7	D2B -D2C
2164	168.0549	98.1919	57.6768	1461090.53	1061483.07	3.6353	1.7	CORONA
2165	191.4553	97.2711	62.8676	1461066.04	1061477.89	3.8284	1.7	PATA
2166	164.4908	95.4407	89.6342	1461102.11	1061452.84	3.0263	1.7	CORONA
2167	201.3301	100.4513	22.0915	1461070.78	1061518.73	7.1611	2.4	NIVEL
2168	163.1931	94.0706	123.9169	1461114.22	1061420.51	3.0845	1.7	CORONA
2169	168.5645	92.4014	166.8659	1461110.71	1061375.32	3.1104	2.8	NIVEL
2170	164.0839	92.4346	167.4411	1461124.45	1061378.03	2.9111	2.8	CORONA
2171	177.465	92.1544	204.5707	1461086.67	1061334.66	3.9107	1.7	NIVEL
2172	199.103	92.1151	210.63	1461009.62	1061340.12	4.1093	1.5	NIVEL
2173	169.2618	92.1735	206.8153	1461116.63	1061335.77	3.9108	1.5	NIVEL
2174	177.4708	91.5145	254.5566	1461088.59	1061284.68	3.9136	1.5	NIVEL
2175	200.5654	97.472	29.8454	1461068.18	1061511.3	8.3383	1.3	NIVEL
2176	200.5655	93.374	79.7298	1461050.31	1061464.6	7.3386	1.3	PATA
2177	201.4446	97.1827	44.5789	1461062.37	1061497.84	8.013	0	NIVEL
2178	184.4745	93.54	100.6749	1461070.36	1061438.82	3.6364	3.2	NIVEL
2179	201.2814	93.3535	104.9866	1461040.4	1061441.41	3.904	3.2	PATA
2180	176.1959	93.5236	101.7161	1461085.25	1061437.64	3.307	3.5	NIVEL
2181	174.1902	96.5117	73.0768	1461085.94	1061466.72	3.2616	1.7	NIVEL
2182	182.3446	96.5117	73.0196	1461075.49	1061466.49	3.4684	1.5	NIVEL
2183	30.5753	90.0242	88.3832	1460998.74	1061580.66	18.5499	1.7	D3 -D2
2184	0.432	90.1112	26.536	1460953.6	1061531.4	18.5326	1.7	PARAMENTO
2185	321.5939	90.434	14.4239	1460944.38	1061516.23	18.4358	1.7	PARAMENTO
2186	286.0457	88.5132	5.7542	1460947.73	1061506.46	18.7336	1.7	NIVEL
2187	311.5431	91.3153	35.5729	1460926.8	1061528.62	18.5684	0.8	NIVEL
2188	301.1844	90.2916	33.3627	1460924.76	1061522.21	18.335	1.7	NIVEL
2189	302.4721	90.2535	38.2926	1460921.07	1061525.61	18.3342	1.7	VIA
2190	308.122	90.2547	38.1788	1460923.26	1061528.48	18.3327	1.7	VIA
2191	307.4403	90.2849	42.747	1460919.46	1061531.03	18.2609	1.7	VIA
2192	122.4919	88.2033	20.6428	1460970.6	1061493.69	19.2161	1.7	NIVEL
2193	102.5917	91.1951	38.9915	1460991.25	1061496.11	19.4135	0	NIVEL
2194	106.0906	89.4014	50.3893	1461001.66	1061490.85	18.9089	1.7	NIVEL
2195	106.0903	90.003	70.3542	1461020.84	1061485.3	18.6092	1.7	CORONA
2196	136.3939	90.4033	60.9709	1460995.1	1061460.53	18.8002	0.8	CORONA
2197	136.3939	90.4035	60.9567	1460995.09	1061460.54	18.3997	1.2	CORONA
2198	136.394	90.3235	75.9383	1461005.38	1061449.64	18.3998	1.2	CORONA
2199	137.2155	88.5638	34.459	1460976.6	1061479.52	19.2542	1.7	NIVEL
2200	302.501	90.4146	42.8277	1460917.28	1061528.09	18.0988	1.7	VIA
2201	303.5428	90.2544	96.771	1460872.95	1061558.85	17.8951	1.7	VIA
2202	305.5317	90.2416	96.4074	1460875.16	1061561.38	17.939	1.7	VIA
2203	303.5353	90.2246	101.622	1460868.91	1061561.54	17.9464	1.7	VIA
2204	305.4014	90.2244	102.1049	1460870.32	1061564.41	17.9445	1.7	VIA
2205	305.5515	90.3705	160.9905	1460822.89	1061599.31	16.8843	1.7	VIA
2206	305.1302	90.3727	160.278	1460822.33	1061597.29	16.8744	1.7	VIA
2207	31.5254	90.1116	169.2791	1460998.73	1061580.65	18.5491	1.7	D4 - D2

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2208	330.4348	92.1056	4.4769	1460907.14	1061440.81	18.9311	1.7	PARAMENTO
2209	242.4613	89.18	6.5726	1460903.48	1061433.9	19.1819	1.7	PARAMENTO
2210	291.4857	90.5111	33.9682	1460877.79	1061449.53	18.5959	1.7	PARAMENTO
2211	303.38	90.47	32.4439	1460882.32	1061454.88	18.6581	1.7	PARAMENTO
2212	296.2653	90.44	37.6505	1460875.62	1061453.68	18.6199	1.7	VIA
2213	302.1208	90.3447	37.7946	1460877.35	1061457.05	18.7194	1.7	VIA
2214	297.36	90.471	41.2771	1460872.75	1061456.03	18.5354	1.7	VIA
2215	208.421	89.4632	38.2665	1460890.95	1061403.34	19.2516	1.7	VIA
2216	213.3826	89.5526	38.5941	1460887.94	1061404.78	19.153	1.7	VIA
2217	206.3734	89.3448	38.3974	1460892.12	1061402.58	19.3832	1.7	VIA
2218	216.0759	89.5146	39.851	1460885.83	1061404.72	19.1971	1.7	CERCA
2219	179.1448	89.2343	43.3309	1460909.9	1061393.58	19.5591	1.7	PARAMENTO
2220	213.3547	90.2148	79.0947	1460865.56	1061371.03	19.1006	1.2	PARAMENTO
2221	213.3939	90.1744	86.9874	1460861.11	1061364.51	19.1535	1.2	PARAMENTO
2222	212.3637	89.5608	84.4707	1460863.8	1061365.75	19.1971	1.7	VIA
2223	212.4228	89.5608	80.6895	1460865.72	1061369.01	19.1929	1.7	VIA
2224	210.0335	89.5513	82.2957	1460868.1	1061365.68	19.2166	1.7	PZA
2225	211.143	89.4928	80.9759	1460867.33	1061367.68	19.3499	1.7	NIVEL
2226	211.1226	89.4815	81.3366	1460867.18	1061367.34	19.3802	1.7	D-4 - D-5
2227	209.4946	90.0121	112.3354	1460853.45	1061339.46	19.4582	1.3	CERCA PARAMENTO
2228	212.5644	89.5143	114.0741	1460847.29	1061341.18	19.3772	1.7	CERCA PARAMENTO
2229	211.3554	89.5353	179.7	1460815.17	1061283.85	19.4235	1.7	D-4 - D-6
2230	212.1707	89.5125	137.8445	1460835.7	1061320.38	19.4473	1.7	VIA
2231	210.5814	89.5126	138.0414	1460838.29	1061318.55	19.447	1.7	VIA
2232	121.0547	89.1347	25.1195	1460930.83	1061423.94	19.4393	1.7	VIA
2233	127.4449	89.3726	45.0921	1460944.98	1061409.3	19.7977	1.3	VIA
2234	131.2704	90.3822	77.0669	1460967.09	1061385.9	18.442	1.5	D4 - D-4A
2235	311.2702	89.2253	77.071	1460909.32	1061436.91	19.3247	1.5	D4A - D-4
2236	265.5333	81.1943	5.058	1460962.1	1061385.54	19.2546	1.5	CASA
2237	312.4925	82.0415	4.3656	1460963.91	1061388.83	19.0942	1.5	CASA
2238	303.244	84.4628	10.1447	1460958.65	1061391.46	19.2159	1.7	CASA
2239	342.2752	83.3812	7.6198	1460964.8	1061393.12	19.1365	1.7	CASA
2240	323.3249	86.2616	11.6548	1460960.17	1061395.25	19.0161	1.7	CASA
2241	355.3952	87.072	17.7943	1460965.74	1061403.62	19.1854	1.7	CASA
2242	37.4528	90.0508	35.0538	1460988.55	1061413.61	18.2397	1.7	CORONA
2243	50.1332	90.431	18.8629	1460981.58	1061397.96	18.0552	1.7	CORONA
2244	181.5016	94.2114	8.1721	1460966.82	1061377.75	17.6716	1.7	CORONA
2245	114.2812	110.4037	24.4909	1460987.94	1061376.4	9.6444	1.7	NIVEL
2246	141.3807	107.4047	44.7306	1460993.54	1061352.48	4.7077	1.7	NIVEL
2247	129.3502	101.5516	73.8463	1461022.77	1061339.86	3.0382	1.7	NIVEL
2248	116.3422	102.4233	70.8722	1461028.92	1061354.97	2.7003	1.7	NIVEL
2249	128.1935	97.4615	109.2864	1461052.03	1061318.74	3.516	1.7	NIVEL
2250	115.433	98.2744	99.3146	1461055.58	1061343.26	3.6778	1.7	NIVEL
2251	129.182	95.3731	152.8399	1461084.78	1061289.54	3.3118	1.7	NIVEL
2252	112.5735	96.16	137.1323	1461092.6	1061332.72	3.7245	1.3	NIVEL
2253	127.5812	94.2416	191.6182	1461117.7	1061268.35	3.5789	1.7	NIVEL
2254	112.4532	95.062	174.3133	1461127.19	1061318.73	3.1815	1.3	NIVEL
2255	109.5011	93.495	209.6746	1461163.88	1061314.9	3.7872	2.2	CORONA RIO
2256	126.5803	93.3234	230.7905	1461151.13	1061247.37	4.0336	1.7	NIVEL
2257	115.5834	93.2849	232.7227	1461175.91	1061284.15	3.7186	2.15	CORONA RIO
2258	122.3229	93.0738	268.2341	1461192.87	1061241.82	3.6641	1.7	CORONA RIO
2259	129.4839	93.0756	255.1008	1461162.75	1061222.81	4.4576	1.6	NIVEL
2260	136.3848	93.4924	223.1791	1461119.96	1061223.98	3.4139	1.7	NIVEL
2261	136.3848	93.3751	238.1604	1461130.25	1061213.07	3.2141	1.7	NIVEL
2262	148.4744	93.4424	228.4824	1461085.21	1061190.88	3.3919	1.7	NIVEL
2263	150.594	93.0341	278.3228	1461101.85	1061142.83	3.4325	1.7	NIVEL
2264	157.0232	93.5227	224.9951	1461054.64	1061179.19	3.0938	1.7	NIVEL
2265	157.2418	93.0017	282.116	1461075.33	1061125.79	3.5098	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2266	157.2416	92.3514	332.0804	1461094.55	1061079.62	3.3099	1.7	NIVEL
2267	147.2029	92.5508	286.512	1461121.5	1061144.99	3.708	1.7	NIVEL
2268	167.1654	93.4031	238.6651	1461019.52	1061153.56	2.9968	1.7	NIVEL
2269	164.3556	92.2851	340.78	1461057.5	1061057.66	3.5489	1.7	NIVEL
2270	164.3554	92.095	390.6859	1461070.77	1061009.51	3.35	1.9	NIVEL
2271	176.5624	93.434	239.0419	1460979.82	1061147.7	2.7546	1.7	NIVEL
2272	167.0913	92.1835	356.1804	1461046.21	1061038.91	3.9462	1.7	NIVEL
2273	167.0912	91.5951	406.1245	1461057.33	1060990.18	4.1481	1.7	NIVEL
2274	184.1659	93.3732	241.1035	1460949.11	1061145.95	3.0494	1.7	NIVEL
2275	183.5823	94.4714	184.9286	1460954.32	1061202.05	3.5609	1	NIVEL
2276	162.2017	92.5549	294.3127	1461056.26	1061105.82	3.2528	1.7	D-4A - D-4B
2277	160.4922	96.1645	136.8189	1461011.76	1061257.44	3.3286	1.7	D-5 - D-4
2278	176.4106	96.1652	136.749	1460974.95	1061250.19	3.5322	1.5	PARAMENTO
2279	159.0156	101.0627	76.1877	1460993.84	1061316.09	3.6149	1.7	PARAMENTO
2277	31.1226	89.5354	81.3352	1460909.32	1061436.91	19.3351	1.7	PARAMENTO
2278	249.3625	89.5357	6.7434	1460860.86	1061364.99	19.2021	1.7	PARAMENTO
2279	329.0625	90.2416	5.2056	1460864.51	1061371.81	19.1535	1.7	PARAMENTO
2280	293.485	90.3001	35.4336	1460834.77	1061381.65	18.881	1.7	PARAMENTO
2281	306.3956	92.4659	33.5216	1460840.33	1061387.34	19.1626	0.1	PARAMENTO
2282	297.0744	90.3414	38.904	1460832.56	1061385.08	18.803	1.7	VIA
2283	301.1112	90.3021	38.9808	1460833.84	1061387.53	18.8462	1.7	VIA
2284	296.4426	90.3554	43.5528	1460828.29	1061386.94	18.7354	1.7	VIA
2285	317.3803	90.1641	2.585	1460865.44	1061369.25	19.1777	1.7	VIA
2286	249.5956	90.1707	4.16	1460863.27	1061365.92	19.1695	1.7	NIVEL
2287	214.0552	89.4611	88.2376	1460817.72	1061294.27	19.5454	1.7	D-5 - D-7
2288	34.0552	89.5516	88.2356	1460867.18	1061367.34	19.4073	1.7	D-7 - D-5
2289	46.1241	89.2503	29.5757	1460839.07	1061314.74	19.5862	1.7	PARAMENTO
2290	60.103	87.5223	56.7394	1460866.91	1061322.47	19.4914	3.6	CULATA
2291	62.5641	90.1128	33.2045	1460847.29	1061309.38	19.5746	1.3	CULATA
2292	64.0212	89.1557	19.4324	1460835.19	1061302.78	19.5344	1.7	PARAMENTO
2293	85.282	89.1126	12.7971	1460830.47	1061295.28	19.4662	1.7	PARAMENTO
2294	176.1223	89.2721	19.5358	1460819.01	1061274.78	19.4709	1.7	PARAMENTO
2295	116.5253	89.1238	37.0391	1460850.75	1061277.53	19.7958	1.7	CULATA
2296	116.1547	89.2818	77.1329	1460886.88	1061260.15	19.9972	1.7	NIVEL
2297	211.021	89.5907	18.4778	1460808.19	1061278.44	19.2902	1.7	PARAMENTO
2298	218.3819	90.2337	8.8669	1460812.18	1061287.35	19.2245	1.7	CANCHA
2299	286.053	90.4547	34.417	1460784.65	1061303.81	18.8271	1.7	CANCHA
2300	274.2926	90.1418	35.6421	1460782.18	1061297.07	19.1372	1.7	PARAMENTO
2301	341.0054	90.2543	42.4917	1460803.89	1061334.45	18.9677	1.7	CANCHA
2302	286.1029	90.3906	43.2151	1460776.21	1061306.31	18.7941	1.7	VIA
2303	285.0928	90.3858	36.0796	1460782.89	1061303.71	18.8766	1.7	VIA
2304	280.1705	90.3855	37.2512	1460781.07	1061300.92	18.8638	1.7	VIA
2305	209.3421	90.2652	9.9369	1460812.81	1061285.63	19.2077	1.7	VIA
2306	210.3827	90.2058	13.4104	1460810.88	1061282.74	19.2036	1.7	VIA
2307	191.4509	89.2634	11.0018	1460815.48	1061283.5	19.3924	1.7	PZA
2308	188.2233	89.454	13.2549	1460815.79	1061281.16	19.3407	1.7	VIA
2309	204.5729	89.5428	48.984	1460797.05	1061249.86	19.3645	1.7	VIA
2310	208.3918	91.4022	49.6189	1460793.93	1061250.75	19.3371	0.2	VIA
2311	207.3937	89.5226	103.8125	1460769.52	1061202.33	19.5144	1.7	D-7 - D-8
2312	27.3937	89.4745	103.8115	1460817.72	1061294.27	19.57	1.7	D-8 - D-7
2313	47.2606	89.4109	91.1575	1460836.66	1061263.99	19.6998	1.7	PARAMENTO
2314	49.4933	89.3754	5.328	1460773.59	1061205.76	19.2337	1.7	CANCHA
2315	117.0902	89.1404	63.0431	1460825.61	1061173.56	20.042	1.7	CANCHA
2316	76.1348	89.1538	81.5209	1460848.69	1061221.73	20.2518	1.7	CANCHA
2317	66.5041	89.2853	100.4149	1460861.85	1061241.81	20.109	1.7	CANCHA
2318	56.334	89.0354	106.7551	1460858.6	1061261.15	20.142	2.5	CULATA
2319	58.255	89.1455	99.5142	1460854.3	1061254.42	20.4051	1.8	CASA
2320	61.0554	89.2955	101.7831	1460858.63	1061251.52	20.0908	1.7	CASA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2321	62.4741	89.3301	112.8901	1460869.92	1061253.94	20.0865	1.7	CASA
2322	65.1009	89.2904	105.8829	1460865.61	1061246.79	20.1528	1.7	CASA
2323	71.0935	89.3505	112.8701	1460876.34	1061238.77	20.0183	1.7	CASA
2324	71.2213	90.0002	127.2379	1460890.09	1061242.97	19.5993	1.3	CORONA
2325	79.2041	89.4318	110.6219	1460878.24	1061222.78	19.7375	1.7	CORONA
2326	90.3858	89.2935	101.6424	1460871.16	1061201.17	20.0996	1.7	CORONA
2327	104.5254	89.3741	89.7005	1460856.21	1061179.29	19.7824	1.7	CORONA
2328	132.5931	89.2839	97.6456	1460840.94	1061135.75	20.0906	1.7	CORONA
2329	141.2705	88.5852	37.4019	1460792.83	1061173.08	19.8646	1.7	CULATA
2330	145.5129	89.0001	69.4697	1460808.51	1061144.84	20.4119	1.7	CULATA
2331	154.1846	87.5342	22.5166	1460779.28	1061182.05	20.0265	1.7	CULATA
2332	210.3743	89.0545	11.9776	1460763.42	1061192.02	19.3884	1.7	PARAMENTO
2333	268.4515	89.2221	8.7852	1460760.74	1061202.14	19.2956	1.7	PARAMENTO
2334	327.2255	90.1614	8.2715	1460765.06	1061209.29	19.1603	1.7	PARAMENTO
2335	309.5214	90.0647	41.2466	1460737.87	1061228.77	19.1181	1.7	PARAMENTO
2336	301.0739	91.4454	42.3699	1460733.27	1061224.22	18.9069	0.7	PARAMENTO
2337	302.2554	90.2605	43.509	1460732.8	1061225.66	18.8694	1.7	VIA
2338	306.3355	90.2708	43.3712	1460734.69	1061228.16	18.8571	1.7	VIA
2339	302.5909	90.2614	49.2055	1460728.25	1061229.11	18.8241	1.7	VIA
2340	307.045	90.2615	49.4781	1460730.05	1061232.16	18.8219	1.7	VIA
2341	305.3803	90.2359	102.9986	1460685.81	1061262.33	18.4814	1.7	VIA
2342	303.545	90.2643	102.7517	1460684.25	1061259.65	18.4017	1.7	VIA
2343	304.583	90.2454	106.496	1460682.26	1061263.37	18.4287	1.7	VIA
2344	20.2215	89.4146	34.7614	1460781.62	1061234.91	19.3838	1.7	PARAMENTO
2345	220.5932	89.5456	47.4826	1460738.38	1061166.49	19.2696	1.7	PARAMENTO
2346	211.0357	90.113	46.0174	1460745.78	1061162.91	19.3456	1.4	PARAMENTO
2347	213.4559	89.415	46.5661	1460743.64	1061163.62	19.4456	1.7	VIA
2348	217.5136	89.4834	46.635	1460740.9	1061165.51	19.3547	1.7	VIA
2349	213.4924	89.5137	85.6384	1460721.85	1061131.18	19.4088	1.7	D-8 - D-9
2350	33.4923	89.4727	85.6364	1460769.52	1061202.32	19.5469	1.7	D-9 - D-8
2351	347.2829	90.1918	4.5805	1460720.86	1061135.65	19.2081	1.7	VIA
2352	278.0911	89.4725	2.4726	1460719.41	1061131.53	19.2429	1.7	VIA
2353	303.5156	90.3553	41.6522	1460687.27	1061154.39	18.7992	1.7	VIA
2354	309.4204	90.3153	41.8818	1460689.63	1061157.93	18.8455	1.7	VIA
2355	308.5601	90.3316	48.2368	1460684.33	1061161.49	18.7673	1.7	VIA
2356	301.1956	92.143	39.6328	1460688.03	1061151.77	19.1837	0.2	PARAMENTO
2357	312.515	90.1731	40.8131	1460691.94	1061158.94	19.026	1.7	PARAMENTO
2358	349.3749	90.0314	7.3548	1460720.53	1061138.42	19.2269	1.7	PARAMENTO
2359	274.3524	90.0326	4.8994	1460716.97	1061131.57	19.2289	1.7	PARAMENTO
2360	97.5449	86.1619	6.3491	1460728.13	1061130.31	19.6466	1.7	PARAMENTO
2361	177.3547	88.3432	16.7052	1460722.55	1061114.5	19.6491	1.7	PARAMENTO
2362	124.2756	89.1654	44.8846	1460758.86	1061105.78	19.7967	1.7	PARAMENTO
2363	142.4317	89.2015	48.153	1460751.02	1061092.87	19.7908	1.7	PARAMENTO
2364	139.1559	89.1146	65.0194	1460764.28	1061081.92	20.1462	1.7	PARAMENTO
2365	126.3734	89.2631	109.6522	1460809.85	1061065.77	20.3026	1.7	PARAMENTO
2366	140.0311	89.3451	88.4645	1460778.65	1061063.36	19.8815	1.7	PARAMENTO
2367	128.0948	89.0044	69.3791	1460776.4	1061088.32	20.4303	1.7	VIA
2368	132.3755	89.0713	69.0112	1460772.62	1061084.45	20.2937	1.7	VIA
2369	130.1621	89.0917	30.1552	1460744.86	1061111.69	19.6787	1.7	VIA
2370	138.0411	89.0919	30.8267	1460742.45	1061108.25	19.6884	1.7	VIA
2371	179.0831	86.3614	3.7998	1460721.91	1061127.39	19.4589	1.7	VIA
2372	196.1923	88.48	8.4089	1460719.49	1061123.11	19.4099	1.7	VIA
2373	208.3654	90.1241	65.2002	1460690.63	1061073.95	19.3937	1.3	D-9 - D-10
2374	28.3656	90.0957	65.1925	1460721.85	1061131.17	19.4104	1.3	D-10 - D-9
2375	299.5346	87.1801	4.337	1460686.87	1061076.1	19.403	1.7	VIA
2376	36.5733	94.1457	3.0207	1460692.44	1061076.35	19.3749	1.3	VIA
2377	153.3937	84.0921	0.7469	1460690.96	1061073.28	19.2748	1.7	VIA
2378	118.1254	89.4904	29.4498	1460716.58	1061060.02	19.6924	1.3	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2379	125.1645	89.4059	29.2321	1460714.49	1061057.06	19.7605	1.3	VIA
2380	122.5354	89.1028	74.2585	1460752.97	1061033.62	20.2691	1.7	VIA
2381	126.3436	89.1027	74.0161	1460750.06	1061029.84	20.2657	1.7	VIA
2382	117.3328	89.4318	73.7907	1460756.05	1061039.81	20.4576	0.8	PARAMENTO
2383	127.0243	89.4111	102.8475	1460772.72	1061011.99	19.7623	1.7	CORONA
2384	130.4103	88.2252	58.1537	1460734.71	1061036.05	20.2417	2.3	PARAMENTO
2385	136.1817	89.3601	23.5767	1460706.92	1061056.9	19.7632	1.3	PARAMENTO
2386	168.2912	88.5056	31.7542	1460696.97	1061042.84	19.8367	1.7	PARAMENTO
2387	205.3137	88.261	20.4458	1460681.82	1061055.5	19.7567	1.7	PARAMENTO
2388	72.1415	87.4459	6.2314	1460696.56	1061075.85	19.4434	1.7	PARAMENTO
2389	233.1853	89.4159	17.046	1460676.96	1061063.76	19.288	1.7	PARAMENTO
2390	230.204	89.262	23.7239	1460672.36	1061058.81	19.4311	1.7	PARAMENTO
2391	226.2947	89.3831	18.4163	1460677.27	1061061.27	19.3138	1.7	VIA
2392	224.205	89.3547	21.6326	1460675.51	1061058.48	19.3511	1.7	VIA
2393	220.5234	89.1004	19.4589	1460677.9	1061059.23	19.4814	1.7	D-10 -D-10A
2394	211.1929	89.1951	61.696	1460658.56	1061021.25	19.9194	1.7	PARAMENTO
2395	213.484	89.4555	63.3572	1460655.37	1061021.3	19.4586	1.7	VIA
2396	217.0638	89.4437	66.8396	1460650.3	1061020.64	19.4982	1.7	PARAMENTO
2397	218.0206	89.4223	64.8113	1460650.7	1061022.9	19.5311	1.7	VIA
2398	212.3103	89.4013	104.38	1460634.52	1060985.93	19.7999	1.7	PARAMENTO
2399	213.2906	89.5019	104.0424	1460633.23	1060987.17	19.4925	1.7	VIA
2400	215.5045	89.523	101.585	1460631.14	1060991.6	19.4211	1.7	VIA
2401	215.5115	89.5232	105.2307	1460628.99	1060988.65	19.4282	1.7	VIA
2402	213.2242	89.4842	103.5997	1460633.63	1060987.43	19.54	1.7	D-10 - D-10B
2403	212.5945	89.4844	141.0911	1460613.79	1060955.61	19.6628	1.7	PARAMENTO
2404	213.4851	89.4843	140.6469	1460612.36	1060957.09	19.6615	1.7	VIA
2405	215.2545	89.4842	137.1807	1460611.11	1060962.17	19.6507	1.7	VIA
2406	216.4822	89.5558	136.3023	1460608.97	1060964.81	19.7602	1.3	PARAMENTO
2407	214.1754	89.5209	188.8468	1460584.21	1060917.94	19.6319	1.7	PZA
2408	214.1718	89.5124	189.2995	1460583.99	1060917.54	19.6747	1.7	D-10 - D-11
2409	40.5233	89.3656	19.4576	1460690.63	1061073.95	19.397	1.7	D-10A - D-10
2410	304.2254	91.0935	43.7034	1460641.83	1061083.91	18.7821	1.3	VIA
2411	308.5851	91.0945	43.732	1460643.91	1061086.74	18.7794	1.3	VIA
2412	308.3631	91.0256	49.7578	1460639.02	1061090.28	18.7557	1.3	VIA
2413	304.5942	91.025	49.7211	1460637.17	1061087.74	18.7579	1.3	VIA
2414	306.4455	90.4324	101.0054	1460596.97	1061119.66	18.392	1.3	VIA
2415	305.0739	90.4319	100.8155	1460595.45	1061117.24	18.3969	1.3	VIA
2416	305.5451	90.4322	105.4719	1460592.48	1061121.1	18.3368	1.3	VIA
2417	130.242	87.0754	86.6573	1460743.8	1061003.13	20.3031	5	PARAMENTO
2418	130.242	87.4036	94.6287	1460749.89	1060997.95	19.8033	5	CORONA
2419	301.5413	91.0308	41.2265	1460642.9	1061081.02	18.9094	1.3	PARAMENTO
2420	311.1035	91.0353	42.0641	1460646.24	1061086.92	18.8849	1.3	PARAMENTO
2421	33.2241	89.5743	103.604	1460690.63	1061073.95	19.4097	1.7	D-10B - D-10
2422	277.2557	89.315	9.0421	1460624.67	1060988.6	19.4141	1.7	PARAMENTO
2423	327.401	88.4829	11.8118	1460627.32	1060997.41	19.4857	1.8	PARAMENTO
2424	313.3218	90.0727	45.2105	1460600.86	1061018.58	19.1421	1.8	PARAMENTO
2425	303.0254	90.1544	44.3966	1460596.42	1061011.65	19.137	1.7	PARAMENTO
2426	311.0508	90.2339	46.7889	1460598.37	1061018.18	19.0183	1.7	VIA
2427	306.0704	90.2313	46.6034	1460595.99	1061014.9	19.0255	1.7	VIA
2428	311.3005	90.2549	53.3022	1460593.71	1061022.75	18.9399	1.7	VIA
2429	34.1719	90.0815	189.2941	1460690.63	1061073.94	19.4162	1.3	D-11 - D-10
2430	67.4433	87.2805	3.2812	1460587.02	1060918.79	19.6126	1.7	VIA
2431	342.0021	88.4621	4.5914	1460582.57	1060921.91	19.5661	1.7	VIA
2432	219.5933	87.0917	1.7232	1460582.88	1060916.23	19.5532	1.7	VIA
2433	308.3819	90.2	51.1228	1460544.05	1060949.47	19.1704	1.7	VIA
2434	308.5101	90.2147	57.5326	1460539.18	1060953.63	19.1034	1.7	VIA
2435	303.3436	90.195	57.1609	1460536.36	1060949.16	19.1381	1.7	VIA
2436	304.3903	90.16	95.9799	1460505.03	1060972.12	19.0214	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2437	307.4806	90.3543	97.1316	1460507.24	1060977.08	18.959	1.2	VIA
2438	307.3403	90.3403	101.6708	1460503.4	1060979.53	18.9612	1.2	NIVEL
2439	305.1534	90.1545	100.7459	1460501.72	1060975.7	19.5068	1.2	NIVEL
2440	305.2706	90.2507	143.4766	1460467.11	1061000.76	18.9206	1.2	NIVEL
2441	305.2706	90.2509	143.4944	1460467.1	1061000.77	18.4193	1.7	NIVEL
2442	307.1151	90.2515	143.4435	1460469.73	1061004.26	18.4154	1.7	VIA
2443	313.1551	90.1656	47.532	1460549.37	1060950.12	19.2337	1.7	PARAMENTO
2444	347.3337	87.3329	8.0293	1460582.26	1060925.38	19.8098	1.7	PARAMENTO
2445	212.5555	89.4312	93.6793	1460533.06	1060838.92	19.9261	1.7	PARAMENTO
2446	77.3849	88.0836	6.0777	1460589.92	1060918.84	19.6646	1.7	PARAMENTO
2447	168.1406	87.1759	4.4666	1460584.9	1060913.18	19.6781	1.7	PARAMENTO
2448	128.3536	89.2204	45.4823	1460619.53	1060889.17	20.3697	1.3	PARAMENTO
2449	125.1159	89.1222	51.6873	1460626.22	1060887.75	20.5841	1.3	D-11 - D-12
2450	305.1159	91.1327	51.693	1460583.99	1060917.54	19.6898	1.3	D-12 - D-11
2451	341.4654	86.3525	7.3306	1460623.93	1060894.7	20.8301	1.7	PARAMENTO
2452	25.5301	89.4529	34.9154	1460641.46	1060919.17	20.5415	1.7	PARAMENTO
2453	39.0508	89.3027	34.482	1460647.96	1060914.52	20.6905	1.7	PARAMENTO
2454	99.3252	92.2156	3.7004	1460629.86	1060887.14	20.6414	1.3	PARAMENTO
2455	28.2912	89.3819	34.3667	1460642.61	1060917.96	20.6109	1.7	VIA
2456	36.2311	90.1035	33.907	1460646.33	1060915.05	20.6897	1.3	VIA
2457	187.523	87.1554	5.1799	1460625.51	1060882.63	20.6413	1.7	VIA
2458	120.5923	85.491	2.1007	1460628.01	1060886.67	20.5472	1.7	VIA
2459	130.3539	90.3053	47.7199	1460662.45	1060856.7	19.9656	1.7	VIA
2460	124.2251	90.2226	51.1734	1460668.45	1060858.86	20.0603	1.7	VIA
2461	131.2214	90.3736	52.1481	1460665.35	1060853.29	19.8239	1.7	VIA
2462	128.5009	90.3951	51.7844	1460666.55	1060855.28	19.7939	1.7	VIA
2463	129.1639	90.2929	48.4454	1460663.72	1060857.08	19.9788	1.7	D-12 - D-12A
2464	122.115	91.4151	38.9905	1460659.2	1060866.99	20.6392	0.3	PARAMENTO
2465	134.153	90.0132	46.239	1460659.33	1060855.48	20.5236	1.55	PARAMENTO
2466	186.0011	87.3659	7.3533	1460625.45	1060880.45	20.8499	1.55	PARAMENTO
2467	186.0013	87.3701	7.3539	1460625.45	1060880.45	20.6999	1.7	PARAMENTO
2468	220.4323	89.3754	52.4463	1460592	1060848.01	20.7315	1.7	PARAMENTO
2469	218.1159	89.3752	51.8375	1460594.16	1060847.02	20.728	1.7	VIA
2470	210.5937	89.4549	51.006	1460599.95	1060844.03	20.7547	1.55	VIA
2471	209.0622	89.3121	49.6966	1460602.04	1060844.33	20.8084	1.7	PARAMENTO
2472	217.0226	89.4436	93.8289	1460569.7	1060812.86	20.8152	1.7	PARAMENTO
2473	215.0335	89.4929	108.9545	1460563.63	1060798.57	20.728	1.7	VIA
2474	211.4443	89.4806	108.9315	1460568.9	1060795.12	20.7718	1.7	VIA
2475	210.3618	89.5704	108.9487	1460570.75	1060793.98	21.1881	1	PARAMENTO
2476	214.3113	89.5505	138.8185	1460547.55	1060773.38	20.5942	1.7	VIA
2477	214.2003	89.5553	144.2436	1460544.86	1060768.64	20.5684	1.7	NIVEL
2478	212.0503	89.5453	139.0706	1460552.35	1060769.92	20.6027	1.7	NIVEL
2479	212.0515	89.5426	143.2249	1460550.13	1060766.41	20.6272	1.7	VIA
2480	214.4754	90.0346	141.4846	1460545.47	1060771.57	20.6402	1.3	D-12 - D-13
2481	309.1641	89.2934	48.4493	1460626.22	1060887.76	20.6008	1.3	D-12A - D-12B
2482	22.1213	89.0203	48.2806	1460681.96	1060901.78	20.5857	1.7	CULATA
2483	46.4005	90.0649	42.6223	1460694.72	1060886.33	19.6873	1.7	CASA
2484	46.0151	90.0021	38.3415	1460691.31	1060883.7	19.768	1.7	CASA
2485	55.0221	90.0021	38.233	1460695.05	1060878.99	19.768	1.7	CASA
2486	7.0138	89.0139	53.8399	1460670.3	1060910.51	20.6857	1.7	CULATA
2487	92.5442	90.3255	10.6661	1460674.37	1060856.54	19.6697	1.7	CERRAMIENTO
2488	130.322	95.0425	28.2392	1460685.09	1060838.8	17.2745	1.7	VIA
2489	134.4409	94.4534	31.0951	1460685.73	1060835.27	17.1919	1.7	VIA
2490	131.2758	96.4312	62.9001	1460710.53	1060815.72	12.4116	1.7	VIA
2491	128.4234	96.431	63.1189	1460712.63	1060817.88	12.3868	1.7	VIA
2492	129.5519	95.5607	96.9872	1460737.7	1060795.18	9.7435	1.7	VIA
2493	132.0128	96.0628	94.3376	1460733.4	1060794.29	9.7347	1.7	VIA
2494	130.2746	96.0319	101.9466	1460740.85	1060791.29	9.4183	1.3	D-12A - D-12B

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2495	148.4738	93.242	20.1047	1460674.12	1060839.92	18.9775	1.3	CULATA
2496	175.5302	95.1344	10.6681	1460664.48	1060846.49	19.6996	0.8	PARAMENTO
2497	205.5525	90.021	51.8453	1460641.05	1060810.46	20.2394	1.2	PARAMENTO
2498	209.0614	89.3907	51.3491	1460638.74	1060812.22	20.084	1.7	VIA
2499	214	89.2726	50.7069	1460635.36	1060815.05	20.2523	1.7	VIA
2500	217.5607	88.5525	40.9113	1460638.57	1060824.82	20.5404	1.7	PARAMENTO
2501	213.5251	89.3458	95.9891	1460610.21	1060777.4	20.4712	1.7	D-12A - D-12C
2502	33.5251	90.2311	95.9905	1460663.72	1060857.09	20.0093	1.3	D-12C - D-12A
2503	66.0155	91.2722	36.0695	1460643.16	1060792.04	19.7397	1.3	NIVEL
2504	66.0153	91.2038	39.1026	1460645.93	1060793.28	19.3392	1.7	CULATA
2505	63.1005	90.3455	29.6076	1460636.63	1060790.76	19.9555	1.7	CULATA
2506	46.4641	90.074	26.6508	1460629.63	1060795.65	20.1969	1.7	PARAMENTO
2507	78.3733	89.1315	9.7025	1460619.72	1060779.31	20.3881	1.7	CASA
2508	119.2812	98.3411	7.0168	1460616.25	1060773.98	20.6106	0.3	CASA
2509	120.1251	93.0206	12.4853	1460620.98	1060771.12	19.7952	1.5	CASA
2510	189.1214	92.4338	35.3689	1460604.56	1060742.52	19.7733	0.5	CASA
2511	206.3559	91.3535	30.6902	1460596.47	1060749.97	20.6031	0.5	CASA
2512	208.045	90.1307	38.4571	1460592.11	1060743.47	20.4096	1.4	CASA
2513	224.3103	91.1111	33.1223	1460586.99	1060753.78	20.8705	0.4	PARAMENTO
2514	221.2953	89.495	43.4905	1460581.39	1060744.82	20.785	1.3	PARAMENTO
2515	212.1351	89.4024	39.2999	1460589.25	1060744.15	20.4803	1.7	VIA
2516	220.4544	89.325	36.9884	1460586.06	1060749.38	20.5486	1.7	VIA
2517	219.4831	89.3248	40.5524	1460584.25	1060746.25	20.5771	1.7	VIA
2518	212.2011	90.0205	77.1856	1460568.92	1060712.18	20.2098	1.7	VIA
2519	215.1831	89.4646	80.0783	1460563.93	1060712.05	20.5648	1.7	VIA
2520	212.4539	89.5232	127.3594	1460541.29	1060670.3	20.5341	1.7	VIA
2521	214.5112	89.5232	125.6142	1460538.42	1060674.32	20.5304	1.7	VIA
2522	214.5313	89.5424	131.3169	1460535.1	1060669.68	20.4713	1.7	VIA
2523	213.4545	89.49	127.966	1460539.09	1060671.01	20.6671	1.7	D-12C - D-12D
2524	214.2414	89.5948	175.4867	1460511.05	1060632.61	20.2687	1.7	VIA
2525	213.1428	90.0158	176.3565	1460513.54	1060629.9	20.1578	1.7	CERRAMIENTO
2526	214.4528	89.5702	175.7957	1460509.99	1060632.97	20.4097	1.7	NIVEL
2527	212.4529	90.0606	175.9412	1460515.01	1060629.44	19.9459	1.7	CERCA
2528	214.1422	90.0916	205.1106	1460494.8	1060607.83	20.4063	1	PARAMENTO
2529	212.4545	90.0237	213.0987	1460494.89	1060598.2	20.4975	1.3	CERCA
2530	213.1507	90.0241	213.1079	1460493.36	1060599.18	20.4927	1.3	CERCA
2531	213.1753	89.5614	210.3807	1460494.71	1060601.55	20.8896	1.3	VIA
2532	213.4916	89.5848	206.1746	1460495.45	1060606.11	20.3312	1.7	VIA
2533	124.2229	94.583	41.2009	1460644.09	1060754.22	17.3833	1	CORONA
2534	124.2232	106.552	63.8085	1460660.59	1060742.93	2.3834	1	PATA
2535	138.4139	93.5849	19.6257	1460623.13	1060762.69	19.2939	1.3	CORONA
2536	138.4148	112.274	42.8263	1460636.33	1060747.66	4.2942	1.3	PATA
2537	159.4008	94.5353	55.4843	1460629.42	1060725.56	15.5189	1.7	CORONA
2538	159.4007	103.014	87.5718	1460639.85	1060697.39	0.5161	1.7	PATA
2539	33.4546	90.0946	127.9672	1460610.21	1060777.4	20.5047	1.3	D-12D - D-12C
2540	309.1608	89.3354	38.2954	1460509.44	1060695.25	21.158	1.3	PARAMENTO
2541	309.161	89.3355	38.2872	1460509.45	1060695.25	20.7577	1.7	PARAMENTO
2542	296.5731	89.1635	38.3187	1460504.94	1060688.38	20.9512	1.7	PARAMENTO
2543	306.0757	89.3933	40.9371	1460506.03	1060695.15	20.7108	1.7	VIA
2544	299.1858	89.3501	40.8079	1460503.51	1060690.99	20.7638	1.7	VIA
2545	305.5747	89.4649	46.7981	1460501.21	1060698.5	20.6466	1.7	VIA
2546	88.4457	93.0724	42.0322	1460581.05	1060671.93	18.177	1.7	CORONA
2547	88.4455	102.5929	63.5579	1460601.01	1060672.36	6.1792	1.7	PATA
2548	115.335	93.1047	41.3826	1460576.37	1060653.18	18.1718	1.7	CORONA
2549	115.3347	104.5627	59.326	1460590.8	1060646.28	5.1718	1.7	PATA
2550	148.0905	92.28	35.1278	1460557.61	1060641.2	18.9554	1.7	CORONA
2551	148.0904	104.1642	54.7849	1460567.11	1060625.91	6.9556	1.7	PATA
2552	179.4454	91.3132	54.5675	1460539.33	1060616.46	19.0145	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2553	163.0131	103.19	71.433	1460559.39	1060604.53	4.014	1.7	PATA
2554	34.4744	90.0645	141.4851	1460626.21	1060887.76	20.6088	1.3	D-13 - D-12
2555	299.4558	90.2041	36.4535	1460513.83	1060789.67	20.2659	1.7	VIA
2556	300.1812	90.2058	41.6733	1460509.49	1060792.6	20.2312	1.7	VIA
2557	307.3222	90.2056	41.9981	1460512.17	1060797.16	20.2296	1.7	VIA
2558	305.3606	90.2102	109.5447	1460456.41	1060835.34	19.816	1.7	VIA
2559	303.1047	90.2216	109.5805	1460453.76	1060831.54	19.7762	1.7	VIA
2560	303.1924	90.2206	116.2101	1460448.37	1060835.41	19.7388	1.7	VIA
2561	305.2945	90.2203	115.9559	1460451.07	1060838.9	19.7421	1.7	VIA
2562	305.1706	90.3015	143.1299	1460428.64	1060854.25	19.227	1.7	VIA
2563	307.0655	90.2638	143.2252	1460431.27	1060857.99	19.3771	1.7	VIA
2564	138.0715	88.4327	7.1713	1460550.26	1060766.23	20.6449	1.7	VIA
2565	103.3109	88.5011	7.5358	1460552.8	1060769.81	20.6382	1.7	VIA
2566	100.1705	89.1106	12.2718	1460557.55	1060769.38	20.6598	1.7	PARAMENTO
2567	139.5307	88.4347	11.7117	1460553.02	1060762.62	20.7448	1.7	PARAMENTO
2568	5.403	90.0832	6.7909	1460546.15	1060778.33	20.4683	1.7	PARAMENTO
2569	328.1029	90.5008	14.3471	1460537.91	1060783.76	20.276	1.7	PARAMENTO
2570	210.4147	90.0239	171.4708	1460457.94	1060624.13	20.7546	1.3	D-13 - D-14
2571	265.4044	90.0527	24.4665	1460521.08	1060769.73	20.4465	1.7	PARAMENTO
2572	213.2527	88.5546	16.3096	1460536.49	1060757.96	20.7899	1.7	PARAMENTO
2573	188.1011	87.3216	2.8791	1460545.06	1060768.72	20.6089	1.7	VIA
2574	53.395	87.3723	2.7875	1460547.72	1060773.22	20.6008	1.7	VIA
2575	212.4306	89.1707	25.6106	1460531.63	1060750.03	20.8047	1.7	PARAMENTO
2576	209.1501	89.25	25.6139	1460532.96	1060749.22	20.746	1.7	VIA
2577	196.1704	89.2544	27.0768	1460537.88	1060745.58	20.7552	1.7	VIA
2578	193.2615	89.1518	30.6521	1460538.35	1060741.76	20.8838	1.7	PARAMENTO
2579	208.5602	90.0534	89.6431	1460502.1	1060693.12	20.7404	1.3	D-13 - D-15
2580	310.2748	84.0802	101.9109	1460663.72	1060857.08	20.0098	1.3	D-12B - D-12A
2581	319.5559	86.0752	27.66	1460723.08	1060812.41	11.0597	1.7	CASA
2582	322.081	85.4453	23.4372	1460726.5	1060809.75	10.931	1.7	CASA
2583	341.1159	86.4053	24.4142	1460732.99	1060814.37	10.6067	1.7	CASA
2584	90.0532	113.3043	12.8233	1460752.61	1060791.28	4.0776	1.7	NIVEL
2585	91.3119	98.4543	37.1015	1460777.5	1060790.32	3.5418	1.7	NIVEL
2586	147.1701	112.472	12.1134	1460746.88	1060781.9	4.0513	2.15	NIVEL
2587	151.5728	99.4933	29.6795	1460754.6	1060765.48	3.6784	2.15	NIVEL
2588	93.4125	97.4006	50.1302	1460790.43	1060788.1	2.5041	1.7	NIVEL
2589	93.3536	95.372	69.2082	1460809.59	1060786.98	2.4133	1.7	CORONA
2590	165.2403	95.3955	55.4947	1460754.77	1060737.85	3.2653	2.15	NIVEL
2591	123.375	94.4648	76.8188	1460804.59	1060748.9	2.7924	1.7	CORONA
2592	166.44	94.1845	78.0113	1460758.7	1060715.58	3.3274	1.7	NIVEL
2593	199.2742	93.3037	92.6513	1460710.04	1060704.1	3.5212	1.7	NIVEL
2594	138.4319	94.2001	73.0689	1460788.92	1060736.54	3.6722	1.7	NIVEL
2595	150.4447	92.5611	101.0843	1460790.18	1060703.22	4.0156	1.7	CORONA
2596	162.145	93.1037	100.8655	1460771.56	1060695.38	3.6038	1.7	NIVEL
2597	202.2633	92.4441	112.5684	1460697.92	1060687.37	3.8039	1.7	NIVEL
2598	159.0626	90.5148	129.1419	1460786.9	1060670.66	3.9484	5	CORONA
2599	163.5825	90.5419	122.87	1460774.77	1060673.21	3.953	5	CORONA
2600	201.1337	90.451	132.6978	1460692.81	1060667.61	4.1509	5	NIVEL
2601	194.4948	91.1624	93.3999	1460716.95	1060701.03	3.8184	5	NIVEL
2602	196.4522	90.4459	143.3768	1460699.52	1060654.02	4.0188	5	NIVEL
2603	206.5841	91.0404	95.5399	1460697.51	1060706.17	4.1137	5	NIVEL
2604	196.5658	94.28	70.9911	1460720.22	1060723.59	3.9148	1.45	NIVEL
2605	212.4344	94.04	73.7327	1460701.08	1060729.42	4.2148	1.45	NIVEL
2606	64.5242	94.4129	80.9964	1460813.94	1060825.57	2.969	1.3	D-12B - D-12C
2607	244.5242	85.3523	80.9681	1460740.85	1060791.29	9.4357	1.2	D-12C - D-12B
2608	277.1414	87.4536	48.4648	1460765.9	1060831.67	5.0035	1.3	CORONA
2609	276.4021	88.2128	47.4825	1460766.8	1060831.08	4.47	1.3	NIVEL
2610	302.5838	86.3932	37.5353	1460782.5	1060845.96	5.2967	1.3	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2611	303.0816	86.5847	36.8282	1460783.14	1060845.67	4.1996	2.15	NIVEL
2612	336.3423	87.0151	43.5581	1460796.64	1060865.48	5.3655	1.3	CORONA
2613	338.4332	87.4044	42.8332	1460798.41	1060865.45	3.9939	2.15	NIVEL
2614	357.1126	88.0725	60.7605	1460810.96	1060886.22	5.0988	1.3	CORONA
2615	357.4855	88.29	60.5787	1460811.63	1060886.08	3.8625	2.15	NIVEL
2616	13.2635	88.4633	86.3653	1460834.01	1060909.55	4.9548	1.3	CORONA
2617	14.0046	88.5725	85.7233	1460834.69	1060908.72	3.82	2.15	NIVEL
2618	25.2853	88.5721	106.8255	1460859.89	1060921.98	5.0562	1.3	NIVEL
2619	25.5811	89.0801	107.0572	1460860.81	1060921.8	3.8788	2.15	NIVEL
2620	40.2802	89.0238	120.9104	1460892.4	1060917.54	5.1277	1.3	CORONA
2621	40.3403	89.0827	120.2544	1460892.14	1060916.91	4.0633	2.15	NIVEL
2622	60.1356	89.0755	124.664	1460922.14	1060887.45	4.9984	1.3	CORONA
2623	60.0823	89.2054	123.9358	1460921.41	1060887.27	3.6698	2.15	NIVEL
2624	63.3143	89.1105	152.3001	1460950.26	1060893.45	5.278	1.3	CORONA
2625	63.3647	89.2541	151.6702	1460949.8	1060892.97	3.7746	2.15	NIVEL
2626	70.5922	89.2433	178.7589	1460982.94	1060883.79	4.9546	1.3	CORONA
2627	70.5821	89.2802	177.9908	1460982.2	1060883.59	3.5659	2.5	NIVEL
2628	76.2827	89.4455	208.6063	1461016.76	1060874.35	4.027	1.3	CORONA
2629	76.2849	89.4317	228.6115	1461036.21	1060879.01	4.224	1.3	NIVEL
2630	76.3143	89.5127	208.5772	1461016.78	1060874.16	2.7807	2.15	NIVEL
2631	28.2047	90.1953	103.119	1460862.9	1060916.32	2.1131	1.7	NIVEL
2632	27.0327	90.3651	81.4269	1460850.98	1060898.08	1.8365	1.7	NIVEL
2633	28.4355	90.4709	58.1517	1460841.89	1060876.55	1.9117	1.7	NIVEL
2634	33.1036	90.5242	37.6013	1460834.51	1060857.03	2.1327	1.7	NIVEL
2635	41.1943	90.3645	13.8784	1460823.1	1060835.99	2.5606	1.7	NIVEL
2636	313.3825	87.5921	65.4462	1460766.6	1060870.7	5.4057	1.3	NIVEL
2637	303.0725	87.2222	77.1767	1460749.37	1060867.69	6.2471	1.7	NIVEL
2638	331.0509	88.1548	83.227	1460773.72	1060898.38	5.6318	1.3	NIVEL
2639	319.2648	87.5656	97.8415	1460750.37	1060899.86	6.6114	1.3	NIVEL
2640	349.5205	89.0344	120.6617	1460792.71	1060944.33	4.6848	1.7	NIVEL
2641	349.5206	89.0648	140.7003	1460789.19	1060964.06	4.8877	1.7	NIVEL
2642	357.4542	88.581	137.9223	1460808.55	1060963.36	5.191	1.7	NIVEL
2643	6.0015	89.0345	139.522	1460828.53	1060964.3	4.9934	1.7	NIVEL
2644	10.2206	89.2328	142.6392	1460839.61	1060965.87	4.6262	1.3	NIVEL
2645	12.4637	89.2454	166.349	1460850.72	1060987.79	5.6089	0.5	NIVEL
2646	12.4636	89.3016	196.354	1460857.36	1061017.05	6.1101	0	NIVEL
2647	17.3729	89.2559	176.9229	1460867.5	1060994.18	5.6618	0.5	NIVEL
2648	17.373	89.3056	206.8831	1460876.58	1061022.73	5.6608	0.5	NIVEL
2649	25.4002	89.2622	178.7049	1460891.34	1060986.63	5.6594	0.5	NIVEL
2650	3.2137	86.3546	199.9152	1460825.64	1061024.78	14.5811	1.7	NIVEL
2651	358.4704	85.3418	200.0008	1460809.71	1061024.92	18.154	1.7	NIVEL
2652	358.4657	88.1748	149.4782	1460810.76	1060974.94	7.1536	1.7	NIVEL
2653	353.4546	85.2325	199.804	1460792.3	1061023.54	18.77	1.7	NIVEL
2654	353.4545	88.0027	174.2627	1460795.02	1060998.69	8.7697	1.7	NIVEL
2655	349.5112	85.1116	186.778	1460781.15	1061008.77	18.3797	1.7	NIVEL
2656	349.5111	87.2027	165.3032	1460784.85	1060988.11	10.3799	1.7	NIVEL
2657	1.5223	86.1309	196.3049	1460820.34	1061021.34	15.6555	1.7	D-12C - D-12D
2658	181.5223	93.3943	196.2723	1460813.94	1060825.57	2.9225	1.7	NIVEL
2659	167.1102	97.1126	86.302	1460839.33	1060937.85	4.6538	1.7	NIVEL
2660	124.3105	101.4607	47.6169	1460858.75	1060994.92	5.7437	1.7	NIVEL
2661	150.1205	97.3225	85.2495	1460862.34	1060948	4.2693	1.7	NIVEL
2662	139.0523	96.3539	93.0389	1460880.87	1060951.49	4.7717	1.7	NIVEL
2663	107.0632	97.2306	83.4726	1460899.46	1060996.99	4.7266	1.7	NIVEL
2664	106.3642	95.0034	121.9327	1460936.74	1060986.61	4.8091	1.7	NIVEL
2665	130.1846	95.3241	110.5471	1460904.24	1060950.15	4.7748	1.7	NIVEL
2666	105.1734	93.4337	165.5641	1460979.7	1060977.76	4.6951	1.7	NIVEL
2667	126	94.2018	136.8317	1460930.72	1060941.14	5.1057	1.7	NIVEL
2668	103.4626	92.4156	212.9275	1461026.92	1060970.7	5.4322	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2669	117.2427	93.5729	165.5891	1460966.99	1060945.3	5.2274	0.5	NIVEL
2670	105.0756	92.2253	248.2649	1461059.79	1060956.59	5.1441	1.7	NIVEL
2671	119.3717	92.581	195.2462	1460989.84	1060924.96	5.3433	1.7	NIVEL
2672	123.2056	92.5808	196.0104	1460983.86	1060913.73	5.3063	1.7	NIVEL
2673	109.2033	92.1937	251.1619	1461057.13	1060938.22	5.2623	1.7	NIVEL
2674	109.2032	92.0659	276.1432	1461080.72	1060929.94	5.2627	1.7	NIVEL
2675	122.1637	92.4013	211.3108	1460998.8	1060908.62	5.6138	1.7	NIVEL
2676	118.4107	92.441	235.3782	1461026.6	1060908.49	4.223	1.7	NIVEL
2677	89.4514	100.0842	58.2846	1460877.71	1061021.58	5.1895	1.7	NIVEL
2678	83.4447	99.0619	42.0136	1460861.58	1061025.86	10.3071	0.2	NIVEL
2679	60.4058	94.4143	35.2724	1460850.99	1061038.55	14.0683	0.2	NIVEL
2680	51.4338	108.02	17.7499	1460833.59	1061031.79	9.9606	1.7	NIVEL
2681	0.4652	84.4905	51.9779	1460821.05	1061073.1	20.1502	1.7	NIVEL
2682	349.3957	94.5136	21.3754	1460816.52	1061042.29	13.1946	2.15	NIVEL
2683	345.244	84.3906	39.5975	1460810.41	1061059.49	19.1464	1.7	CORONA
2684	326.4031	86.3723	34.2466	1460801.56	1061049.9	17.4728	1.7	CORONA
2685	306.2138	82.5845	38.7145	1460789.4	1061044.12	19.8877	2	CASA
2686	306.2231	82.3244	30.9878	1460795.6	1061039.56	19.4758	1.7	CASA
2687	292.5744	82.1328	33.3036	1460789.96	1061034.21	19.6614	2	CASA
2688	30.4146	90.0652	171.4849	1460545.48	1060771.58	20.6544	1.3	D-14 - D-13
2689	78.5644	88.3112	4.1212	1460461.98	1060624.92	20.701	1.7	VIA
2690	150.2145	89.432	3.5218	1460459.68	1060621.07	20.6117	1.7	VIA
2691	281.5537	89.2533	3.8711	1460454.15	1060624.93	20.6334	1.7	VIA
2692	340.0036	88.5909	4.6624	1460456.35	1060628.51	20.6771	1.7	VIA
2693	298.3308	90.1113	48.8222	1460415.06	1060647.46	20.3354	1.8	VIA
2694	305.5206	90.161	48.9648	1460418.26	1060652.82	20.3645	1.7	VIA
2695	302.2237	90.1936	54.7434	1460411.71	1060653.44	20.2828	1.7	VIA
2696	306.3339	90.172	54.6998	1460414	1060656.71	20.3189	1.7	VIA
2697	303.3053	90.2815	132.6788	1460347.32	1060697.38	19.5053	1.7	VIA
2698	304.5953	90.2627	132.0766	1460349.75	1060699.88	19.5799	1.7	VIA
2699	303.1638	90.2839	138.4243	1460342.22	1060700.08	19.4424	1.7	VIA
2700	304.5227	90.2631	137.7359	1460344.94	1060702.88	19.5332	1.7	VIA
2701	305.2456	90.3556	222.7699	1460276.4	1060753.22	18.6693	1.3	VIA
2702	304.1654	90.3036	223.3845	1460273.37	1060749.95	18.61	1.7	VIA
2703	304.1751	90.3035	228.3827	1460269.27	1060752.81	18.5662	1.7	VIA
2704	305.1713	90.3633	228.142	1460271.72	1060755.91	18.5731	1.3	VIA
2705	305.1432	90.355	274.4984	1460233.76	1060782.51	18.1387	1.3	VIA
2706	304.362	90.3038	276.0165	1460230.76	1060780.88	18.1404	1.7	PARAMENTO
2707	309.3053	89.5426	47.163	1460421.56	1060654.14	20.6712	1.7	PARAMENTO
2708	355.162	89.1146	6.9491	1460457.37	1060631.05	20.6921	1.7	PARAMENTO
2709	80.3303	88.1432	5.4469	1460463.31	1060625.02	20.7617	1.7	PARAMENTO
2710	98.2605	88.3837	9.0138	1460466.85	1060622.8	20.8079	1.7	PARAMENTO
2711	88.2514	87.3037	10.0108	1460467.94	1060624.4	21.0295	1.7	PARAMENTO
2712	126.215	90.1955	35.1312	1460486.23	1060603.3	20.3912	1.7	CULATA
2713	131.5232	89.3946	20.8386	1460473.46	1060610.22	20.7173	1.7	NIVEL
2714	151.2545	91.1437	26.961	1460470.83	1060600.45	20.4095	1.3	NIVEL
2715	179.2736	89.4104	16.6747	1460458.1	1060607.45	20.6865	1.7	PARAMENTO
2716	207.1825	89.453	45.7413	1460436.96	1060583.48	20.7877	1.7	D-14 - D-16
2717	269.3907	89.3119	4.8042	1460453.14	1060624.1	20.6347	1.7	PARQUE
2718	297.3028	90.1132	48.0073	1460415.36	1060646.3	20.3336	1.8	PARQUE
2719	192.4228	89.3719	29.1509	1460451.53	1060595.69	20.787	1.7	PARAMENTO
2720	196.0109	89.3456	28.8277	1460449.98	1060596.42	20.8048	1.7	PARAMENTO
2721	123.464	90.5451	63.28	1460510.53	1060588.95	19.5854	1.7	CORONA
2722	123.4535	99.2621	79.3234	1460522.99	1060580.64	7.586	1.7	NIVEL
2723	137.5918	90.3243	50.8909	1460492	1060586.32	20.1105	1.7	PATA
2724	40.0401	89.3921	35.8702	1460481.03	1060651.58	20.8101	1.7	CULATA
2725	26.3849	89.4516	52.803	1460481.62	1060671.32	20.821	1.7	PARAMENTO
2726	28.1305	89.5315	75.7069	1460493.74	1060690.84	20.7438	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2727	29.234	89.5547	87.6065	1460500.94	1060700.45	20.7025	1.7	PARAMENTO
2728	29.4321	89.582	86.0743	1460500.61	1060698.88	20.6367	1.7	PARAMENTO
2729	29.5139	89.58	80.0884	1460497.82	1060693.58	20.6415	1.7	VIA
2730	27.1826	89.4811	45.7437	1460457.94	1060624.13	20.7752	1.7	D16 - D14
2731	61.2049	88.3758	10.4406	1460446.11	1060588.49	20.8668	1.7	PARAMENTO
2732	104.0408	90.5442	42.2512	1460477.93	1060573.21	19.9456	1.7	PARAMENTO
2733	118.5227	89.1531	24.7003	1460458.58	1060571.56	20.9373	1.7	PARAMENTO
2734	130.4129	87.1348	9.067	1460443.82	1060577.58	21.0559	1.7	PARAMENTO
2735	140.5807	87.142	8.9629	1460442.59	1060576.53	21.0495	1.7	PARAMENTO
2736	244.2	83.0134	2.678	1460434.56	1060582.33	20.9429	1.7	PARAMENTO
2737	109.3248	88.0905	5.2825	1460441.93	1060581.72	20.7881	1.7	VIA
2738	65.1835	88.5646	8.3236	1460444.52	1060586.96	20.7708	1.7	NIVEL
2739	11.1747	88.595	7.0446	1460438.34	1060590.39	20.741	1.7	PARQUE
2740	307.4126	90.2113	52.9503	1460395.06	1060615.86	20.2912	1.7	PARQUE
2741	301.2942	90.2243	55.7153	1460389.45	1060612.59	20.2496	1.7	NIVEL
2742	301.4106	90.2243	60.3561	1460385.6	1060615.18	20.2192	1.7	NIVEL
2743	305.5303	90.2348	59.612	1460388.66	1060618.42	20.2054	1.7	NIVEL
2744	304.2327	90.265	141.2362	1460320.41	1060663.26	19.5164	1.7	NIVEL
2745	302.2357	90.3448	141.9351	1460317.12	1060659.53	19.5822	1.3	NIVEL
2746	302.331	90.3451	146.6308	1460313.37	1060662.38	19.5328	1.3	NIVEL
2747	304.1359	90.3339	146.5597	1460315.79	1060665.93	19.5843	1.3	NIVEL
2748	303.3956	90.3529	228.9112	1460246.45	1060710.37	18.6585	1.3	NIVEL
2749	302.36	90.353	230.2664	1460242.98	1060707.54	18.6429	1.3	NIVEL
2750	302.3445	90.353	235.5689	1460238.46	1060710.32	18.5882	1.3	NIVEL
2751	303.3721	90.3529	235.0047	1460241.28	1060713.6	18.5954	1.3	NIVEL
2752	303.4025	90.3332	286.5404	1460198.51	1060742.35	18.2283	1.3	NIVEL
2753	302.5241	90.3408	286.8375	1460196.07	1060739.19	18.1755	1.3	VIA
2754	299.0154	90.4048	54.1942	1460389.57	1060609.78	20.6746	1	PARAMENTO
2755	111.1704	93.5048	71.9505	1460503.85	1060557.42	15.791	1.7	D16 - D17
2756	291.1704	85.5213	71.9852	1460436.95	1060583.49	20.8204	1.7	D17 - D16
2757	259.0955	84.4002	52.7671	1460452.25	1060547.55	20.5405	1.7	CULATA
2758	248.42	85.5238	66.3025	1460442.23	1060533.4	20.403	1.7	CULATA
2759	248.42	84.2049	46.3182	1460460.9	1060540.68	20.1987	1.7	CORONA
2760	260.4126	83.3419	40.0858	1460464.54	1060550.98	20.124	1.7	CASA
2761	271.11	82.5652	36.949	1460467.19	1060558.18	20.1724	1.7	CASA
2762	273.1524	83.3622	40.8735	1460463.29	1060559.73	20.1879	1.7	CASA
2763	313.5955	81.1503	28.7383	1460483.42	1060577.15	20.0075	1.7	CULATA
2764	355.2844	81.5134	15.4334	1460502.64	1060572.65	17.8214	1.7	CULATA
2765	350.1836	81.5046	12.2333	1460501.81	1060569.36	17.3711	1.7	NIVEL
2766	32.1514	84.47	10.754	1460509.56	1060566.48	16.6138	1.7	NIVEL
2767	31.0045	84.3659	15.2261	1460511.66	1060570.42	15.9646	2.8	NIVEL
2768	44.5549	94.1812	6.1913	1460508.21	1060561.79	15.1714	1.7	NIVEL
2769	87.463	89.2102	15.0048	1460518.84	1060558.01	15.0061	2.5	NIVEL
2770	65.2454	81.3844	20.2634	1460522.08	1060565.76	14.4802	5.8	CASAS
2771	119.1957	95.3409	19.5096	1460520.78	1060547.91	13.7427	1.7	D17 - D18
2772	261.5548	87.0802	29.3638	1460474.81	1060553.31	17.1044	1.7	NIVEL
2773	233.1703	92.5923	29.3667	1460480.34	1060539.89	14.1043	1.7	NIVEL
2774	250.2042	87.2503	37.5378	1460468.53	1060544.81	17.3274	1.7	NIVEL
2775	213.3442	92.4203	38.3862	1460482.64	1060525.48	13.8274	1.7	NIVEL
2776	299.1956	82.4509	19.5766	1460503.85	1060557.42	15.8224	1.7	D18 - D17
2777	31.3244	99.1939	23.562	1460532.94	1060567.73	9.5339	1.7	NIVEL
2778	46.0248	99.4746	40.8164	1460549.73	1060575.83	6.4082	1.7	NIVEL
2779	51.1327	97.0933	52.8827	1460561.68	1060580.77	6.7623	1.7	NIVEL
2780	51.1429	97.4128	62.6093	1460569.16	1060586.76	4.9739	1.7	NIVEL
2781	64.1856	97.3105	71.9588	1460585.07	1060578.83	3.9381	1.7	NIVEL
2782	64.1856	95.4159	96.81	1460607.59	1060589.66	3.7387	1.7	NIVEL
2783	73.5401	96.4858	80.1291	1460597.22	1060569.98	3.8431	1.7	NIVEL
2784	73.5358	95.0353	109.9921	1460626.04	1060578.3	3.6434	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2785	82.5836	95.0907	106.1911	1460625.74	1060560.84	4.0179	1.5	NIVEL
2786	82.5837	94.3343	121.1459	1460640.63	1060562.68	3.918	1.5	NIVEL
2787	90.44	95.5642	92.4353	1460612.71	1060546.73	3.7793	1.7	NIVEL
2788	104.143	95.5642	92.4353	1460609.89	1060525.29	3.9793	1.5	NIVEL
2789	90.5048	96.1233	78.3276	1460598.64	1060546.76	3.7812	2.8	NIVEL
2790	104.5446	96.1234	78.2924	1460595.99	1060527.88	4.0849	2.5	NIVEL
2791	92.064	99.5117	54.5141	1460574.45	1060545.93	4.0228	1.7	NIVEL
2792	103.1625	99.5117	54.5141	1460573.05	1060535.58	4.2228	1.5	NIVEL
2793	84.4149	103.0719	38.7341	1460558.34	1060551.4	4.5592	1.7	NIVEL
2794	99.1232	103.0719	38.7341	1460558.01	1060541.87	4.7592	1.5	NIVEL
2795	59.0052	104.0736	23.4187	1460540.25	1060559.6	7.837	1.5	NIVEL
2796	59.0052	111.1354	15.7838	1460533.39	1060555.49	8.5368	0.8	NIVEL
2797	218.0601	91.5335	140.2887	1460434.26	1060437.57	9.1198	1.3	D18 - D19
2798	30.4245	88.2625	55.7983	1460549.26	1060595.87	16.2718	0.3	NIVEL
2799	30.4244	88.3632	70.7985	1460556.92	1060608.76	16.4718	0.3	NIVEL
2800	11.3548	84.1745	59.2102	1460532.62	1060605.63	19.2381	1.7	CORONA
2801	14.0944	84.5715	69.1851	1460537.64	1060614.73	19.4381	1.7	CORONA
2802	6.4723	88.0651	52.6156	1460526.99	1060600.13	15.0845	1.7	PATA
2803	10.0936	91.1711	38.6449	1460527.59	1060585.94	12.4853	1.7	NIVEL
2804	17.472	94.4702	30.3175	1460530.01	1060576.68	10.8243	1.7	NIVEL
2805	297.512	82.5313	52.8759	1460474.39	1060572.43	19.4504	2.15	VIA
2806	291.2221	82.5447	53.1923	1460471.62	1060567.15	19.4655	2.15	VIA
2807	287.5158	83.2347	35.0858	1460487.6	1060558.6	17.3876	1.7	VIA
2808	297.394	83.1651	31.7408	1460492.86	1060562.55	17.0666	1.7	VIA
2809	265.1517	86.363	37.3815	1460483.59	1060544.82	15.5643	1.7	NIVEL
2810	296.4702	82.1342	7.4074	1460514.22	1060551.22	14.3544	1.7	VIA
2811	258.0028	84.074	9.6004	1460511.43	1060545.93	14.3349	1.7	VIA
2812	127.4813	93.4259	28.0922	1460542.92	1060530.73	11.5319	1.7	VIA
2813	115.3542	93.3917	27.4132	1460545.45	1060536.09	11.6053	1.7	VIA
2814	112.5555	92.4539	111.4919	1460623.34	1060504.52	8.1831	1.5	CASA
2815	114.4343	92.2402	111.429	1460621.9	1060501.34	9.8863	0.5	CASA
2816	114.48	92.1009	115.0193	1460625.11	1060499.7	8.9999	1.7	CASA
2817	110.2937	94.1154	112.8102	1460626.16	1060508.52	5.0947	1.7	CASA
2818	111.382	93.5339	119.2543	1460631.37	1060504.04	5.2549	1.7	CASA
2819	108.403	94.0406	115.3468	1460629.77	1060511.07	5.1701	1.7	CASA
2819	38.0559	88.01	140.2987	1460520.78	1060547.91	13.7719	1.7	D19 - D18
2820	34.132	89.184	85.5193	1460482.35	1060508.28	9.9435	1.7	NIVEL
2821	31.324	90.0654	85.6134	1460479.05	1060510.54	8.7436	1.7	NIVEL
2822	27.5233	89.2157	67.1118	1460465.64	1060496.89	9.6579	1.7	NIVEL
2823	23.3654	88.31	67.3261	1460461.22	1060499.24	10.6579	1.7	NIVEL
2824	18.2502	90.1652	36.9076	1460445.92	1060472.59	9.9338	0.5	NIVEL
2825	356.0322	83.0934	73.5787	1460429.24	1060510.46	19.3788	0	CULATA
2826	356.0323	82.3939	68.6164	1460429.58	1060505.47	18.8804	0.5	CORONA
2827	39.1815	89.4856	101.7754	1460498.73	1060516.33	9.2432	1.7	ALCANTARILLA
2828	39.381	89.2648	99.9198	1460498	1060514.52	9.8804	1.7	ALCANTARILLA
2829	39.07	89.2837	98.065	1460496.13	1060513.66	9.8105	1.7	ALCANTARILLA
2830	37.5438	89.4616	97.484	1460494.16	1060514.48	9.3046	1.7	ALCANTARILLA
2831	346.2254	80.2223	57.979	1460420.8	1060493.13	18.6111	1.7	CULATA
2832	336.3607	79.1805	48.6302	1460415.28	1060481.43	17.9428	1.7	CULATA
2833	39.1242	89.5458	98.9763	1460496.83	1060514.26	7.1605	3.6	NIVEL
2834	335.4437	80.2755	41.5989	1460417.41	1060474.98	15.8055	1.7	CULATA
2835	29.1846	89.2136	67.6899	1460467.4	1060496.59	9.671	1.7	ALCANTARILLA
2836	30.0017	89.2134	65.6075	1460467.07	1060494.39	9.6487	1.7	ALCANTARILLA
2837	29.2359	89.1714	63.8904	1460465.62	1060493.23	9.71	1.7	ALCANTARILLA
2838	27.1745	89.181	63.0827	1460463.19	1060493.63	9.6828	1.7	ALCANTARILLA
2839	29.1545	90.1807	65.0048	1460466.03	1060494.28	7.2724	3	NIVEL
2840	326.362	80.4045	44.8005	1460409.93	1060474.48	17.8709	0	CULATA
2841	344.5737	79.4607	37.3797	1460424.71	1060473.1	13.6544	3.6	CULATA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2842	327.1815	79.0401	25.8309	1460420.56	1060458.92	13.314	2.2	CULATA
2843	319.0516	77.4132	33.8724	1460412.59	1060462.58	16.1353	1.7	CULATA
2844	285.3253	75.2937	31.5909	1460404.79	1060445.77	16.828	1.7	CULATA
2845	252.4902	76.4221	35.2845	1460401.45	1060427.43	17.0286	1.7	CULATA
2846	20.1213	89.2325	36.7617	1460446.95	1060472.07	9.3061	1.7	ALCANTARILLA
2847	22.0743	88.5717	35.3813	1460447.59	1060470.34	9.5604	1.7	ALCANTARILLA
2848	21.3924	88.5532	33.5068	1460446.62	1060468.71	9.5431	1.7	ALCANTARILLA
2849	18.5728	89.1702	32.11	1460444.69	1060467.94	9.3161	1.7	ALCANTARILLA
2850	21.1707	90.5511	34.3123	1460446.71	1060469.54	7.9142	2.15	NIVEL
2851	235.4814	80.5201	57.2677	1460387.49	1060405.8	18.005	1.7	CORONA CULATA
2852	207.2315	90.3416	10.855	1460429.27	1060427.94	8.8066	1.7	ALCANTARILLA
2853	200.5522	89.4911	11.8256	1460430.04	1060426.53	8.952	1.7	ALCANTARILLA
2854	200.2909	89.5835	13.7664	1460429.44	1060424.68	8.9205	1.7	ALCANTARILLA
2855	205.254	90.2016	15.0572	1460427.79	1060423.98	8.826	1.7	ALCANTARILLA
2856	202.4328	95.093	12.8967	1460429.3	1060425.73	7.7553	1.7	ALCANTARILLA
2857	229.1801	82.4743	80.0318	1460374.06	1060385.8	19.1524	1.5	CORONA CULATA
2858	160.1915	89.5629	16.6165	1460439.86	1060421.93	8.9318	1.7	ALCANTARILLA
2859	156.2731	90.0336	15.2363	1460440.34	1060423.61	8.8988	1.7	ALCANTARILLA
2860	156.5636	90.0143	15.993	1460440.52	1060422.86	8.3068	2.3	NIVEL
2861	227.1941	82.3441	42.593	1460403.21	1060408.95	14.4168	1.7	NIVEL
2862	43.0708	90.094	35.258	1460458.36	1060463.31	8.8158	1.7	ALCANTARILLA
2863	42.4536	90.225	36.8598	1460459.28	1060464.64	8.6702	1.7	ALCANTARILLA
2864	43.3726	90.3928	36.3371	1460459.33	1060463.88	7.6978	2.5	NIVEL
2865	194.5046	89.4552	194.161	1460384.51	1060249.9	10.1156	1.3	D19 - D20
2866	14.5045	90.2011	194.1631	1460434.26	1060437.57	9.1235	1.35	D20 - D19
2867	12.3106	90.541	126.6701	1460411.96	1060373.54	7.9157	1.7	ALCANTARILLA
2868	13.0746	90.4443	125.0969	1460412.93	1060371.71	8.2845	1.7	ALCANTARILLA
2869	13.0453	90.4448	123.2824	1460412.41	1060369.97	8.3053	1.7	ALCANTARILLA
2870	12.2129	90.5429	121.8596	1460410.59	1060368.92	7.9804	1.7	ALCANTARILLA
2871	12.3727	91.1718	124.0507	1460411.62	1060370.92	6.5224	2.3	NIVEL
2872	18.3625	90.5309	124.9634	1460424.38	1060368.31	8.08	1.6	ALCANTARILLA
2873	18.4307	90.5614	123.0631	1460424	1060366.43	7.9989	1.6	ALCANTARILLA
2874	19.1752	90.5632	123.7106	1460425.39	1060366.64	5.9773	3.6	NIVEL
2875	11.2534	91.1526	90.611	1460402.46	1060338.69	7.9233	1.7	ALCANTARILLA
2876	12.0741	91.1143	89.1098	1460403.23	1060337	8.0521	1.7	NIVEL
2877	12.0647	91.1138	89.1066	1460403.21	1060337	8.0544	1.7	NIVEL
2878	12.0134	91.1522	87.3034	1460402.7	1060335.26	7.9973	1.7	NIVEL
2879	10.5925	91.3036	85.9184	1460400.89	1060334.21	7.6471	1.7	ALCANTARILLA
2880	11.512	91.5751	88.2345	1460402.63	1060336.2	6.0868	2.5	NIVEL
2881	19.1321	92.0356	89.1205	1460413.83	1060333.99	7.099	1.3	ALCANTARILLA
2882	19.1612	92.081	87.4675	1460413.36	1060332.41	7.0511	1.3	ALCANTARILLA
2883	19.3448	92.1301	88.4328	1460414.13	1060333.15	5.6904	2.5	NIVEL
2884	6.0557	92.1537	47.9273	1460389.6	1060297.51	8.0207	1.7	ALCANTARILLA
2885	7.4212	92.1125	46.3199	1460390.72	1060295.76	8.1405	1.7	NIVEL
2886	7.1907	92.1125	44.3698	1460390.16	1060293.87	8.215	1.7	NIVEL
2887	5.165	92.2742	43.1045	1460388.47	1060292.78	8.0592	1.7	ALCANTARILLA
2888	7.0512	93.3521	45.3804	1460390.1	1060294.84	6.0698	2.7	NIVEL
2889	21.081	93.2221	45.8859	1460401.03	1060292.62	7.2113	1.7	ALCANTARILLA
2890	21.2244	93.2613	44.3128	1460400.64	1060291.09	7.2542	1.7	ALCANTARILLA
2891	22.1714	93.2059	44.9442	1460401.53	1060291.41	6.0847	2.9	NIVEL
2892	151.5711	92.5026	126.8184	1460444.07	1060138.11	3.6268	1.7	CORONA
2893	151.4109	93.4321	123.4447	1460442.94	1060141.45	1.8969	1.7	LAMINA
2894	151.1431	93.4055	122.4351	1460443.3	1060142.78	0.1507	3.9	NIVEL
2895	151.1436	93.4054	122.4186	1460443.28	1060142.8	0.9508	2.8	FONDO
2896	123.2316	92.4629	133.5043	1460495.85	1060176.51	3.449	1.7	CORONA
2897	122.0815	92.5807	133.4531	1460497.36	1060179	1.9001	2.8	LAMINA
2898	121.5324	93.1624	132.3668	1460496.72	1060180.08	1.2537	2.8	FONDO
2899	121.5324	93.2307	131.3801	1460495.87	1060180.61	1.0537	2.8	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2900	107.4935	92.2736	150.698	1460527.84	1060203.8	3.4437	1.7	CORONA
2901	107.0502	93.0347	149.0314	1460526.76	1060206.18	1.9486	1.7	LAMINA
2902	107.063	92.5347	147.8889	1460525.68	1060206.44	2.4393	1.7	NIVEL
2903	107.0629	92.5401	147.9835	1460525.77	1060206.42	1.3246	2.8	NIVEL
2904	107.0629	92.525	146.9734	1460524.8	1060206.71	1.4258	2.8	NIVEL
2905	95.1159	92.214	165.7824	1460549.47	1060234.88	3.0826	1.7	CORONA
2906	95.2153	92.4535	164.5868	1460548.19	1060234.52	1.9878	1.7	LAMINA
2907	94.5107	92.393	163.8607	1460547.61	1060236.05	1.2128	2.8	NIVEL
2908	94.5108	92.4542	161.8723	1460545.62	1060236.22	1.0128	2.8	FONDO
2909	227.1254	86.4231	100.4967	1460310.88	1060181.75	16.0811	1.3	D20 - D3
2910	262.5044	80.0305	45.4101	1460340.13	1060244.32	18.156	1.3	NIVEL
2911	274.3148	82.3007	41.0527	1460343.94	1060253.11	15.6678	1.3	NIVEL
2912	293.1918	89.0043	37.3043	1460350.26	1060264.66	10.554	1.7	NIVEL
2913	308.4037	81.4056	40.3837	1460353.32	1060274.87	15.7527	1.7	NIVEL
2914	319.5038	81.4604	49.2232	1460353.1	1060287.13	17.3588	1.3	LAMINA
2915	331.3044	87.1047	53.587	1460358.98	1060296.94	12.9475	1.3	NIVEL
2916	341.1148	83.4321	87.0812	1460356.61	1060331.83	19.4331	1.7	CULATA
2917	335.4003	88.4904	37.9905	1460368.86	1060284.5	11.8944	0.5	NIVEL
2918	347.161	84.4318	76.901	1460367.64	1060324.59	16.9855	1.7	NIVEL
2919	349.0025	90.5755	37.1652	1460377.43	1060286.37	9.2845	1.7	NIVEL
2920	330.0503	83.1419	81.3807	1460344.21	1060319.94	19.4924	1.7	CULATA
2921	309.0331	80.5507	66.2322	1460333.73	1060291.11	20.3647	1.7	CULATA
2922	294.2746	81.3956	66.2274	1460324.87	1060277.03	19.5105	1.7	CULATA
2923	273.3035	81.3916	69.7809	1460315.6	1060254.12	21.539	0.2	CULATA
2924	158.4953	91.4352	109.8536	1460424.16	1060147.5	6.9929	1.3	D20 - D21
2925	342.2031	86.5914	309.6765	1460962.46	1061400.5	19.2502	1.7	D-4B
2926	335.2333	86.3556	275.0269	1460941.94	1061355.43	19.689	1.3	CORONA
2927	343.4725	89.4706	220.0451	1460994.84	1061317.12	3.7972	1.7	NIVEL
2928	340.2254	89.4554	250.0432	1460972.31	1061341.35	3.9976	1.7	NIVEL
2929	331.5945	86.1711	251.1498	1460938.59	1061327.1	19.2394	1.7	CORONA
2930	337.3601	89.4634	198.5924	1460980.59	1061289.43	3.7466	1.7	NIVEL
2931	337.3624	89.4027	228.597	1460969.18	1061317.18	4.2711	1.7	PATA
2932	325.2839	85.5908	234.2597	1460923.83	1061298.35	19.371	1.7	CORONA
2933	325.2413	89.4512	173.7017	1460957.64	1061248.81	3.7174	1.7	NIVEL
2934	325.2412	89.3938	193.7085	1460946.28	1061265.27	4.1178	1.7	PATA
2935	316.4052	85.563	221.334	1460904.8	1061266.45	18.635	1.7	CORONA
2936	310.3128	89.2951	160.8438	1460934.01	1061210.33	4.3802	1.7	PATA
2937	301.2907	89.2946	157.1272	1460922.27	1061187.88	4.3514	1.7	PATA
2938	310.2341	85.4427	211.355	1460895.74	1061242.41	18.668	1.7	NIVEL
2939	292.0118	89.1501	155.8989	1460911.75	1061164.27	5.0091	1.7	PATA
2940	278.3019	89.1454	159.4212	1460898.61	1061129.4	5.061	1.7	PATA
2941	278.3018	89.0744	124.3754	1460933.27	1061124.21	4.8599	1.7	NIVEL
2942	269.0538	89.1037	153.0413	1460903.26	1061103.4	5.168	1.7	PATA
2943	269.0412	89.0409	123.0514	1460933.24	1061103.82	4.9681	1.7	PATA
2944	258.0507	89.2747	154.1977	1460905.39	1061073.99	4.4143	1.7	PATA
2945	248.2748	89.2723	158.5354	1460908.8	1061047.63	4.4736	1.7	PATA
2946	253.183	89.4631	134.233	1460927.69	1061067.27	3.4952	1.7	NIVEL
2947	251.5931	89.4627	99.5471	1460961.59	1061075.05	3.3609	1.7	NIVEL
2948	252.294	89.4126	67.9712	1460991.44	1061085.38	3.3352	1.7	NIVEL
2949	338.4954	88.2816	109.8346	1460384.51	1060249.89	10.1443	1.3	D-21 - D-20
2950	183.2649	102.5233	17.1348	1460423.16	1060130.83	2.9946	1.7	CORONA
2951	183.184	94.3235	41.8405	1460421.75	1060105.86	3.4988	1.7	NIVEL
2952	189.1606	108.0416	15.1348	1460421.85	1060133.3	2.1182	1.7	NIVEL
2953	190.3428	109.0247	15.0447	1460421.55	1060133.52	1.9033	1.7	LAMINA
2954	190.3427	118.4631	13.9335	1460421.92	1060135.5	0.1057	1.7	NIVEL
2955	242.4114	99.193	17.1613	1460409.12	1060139.73	4.0322	1.7	CORONA
2956	225.2752	96.5534	30.7641	1460402.39	1060126.08	3.1031	1.7	CORONA
2957	200.4228	95.3537	35.99	1460411.5	1060114	3.3049	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2958	226.1834	98.1809	30.6947	1460402.2	1060126.52	1.9306	2.15	NIVEL
2959	240.0939	98.2545	18.8171	1460408.02	1060138.24	1.8545	3.9	NIVEL
2960	226.3503	98.5633	30.7131	1460402.12	1060126.65	1.5889	2.15	NIVEL
2961	231.0725	100.3433	20.9671	1460408.12	1060134.57	0.7647	3.9	NIVEL
2962	234.0514	97.3855	28.5824	1460401.22	1060130.89	0.8087	3.9	NIVEL
2963	231.2443	97.3855	28.5824	1460402.02	1060129.83	0.8087	3.9	NIVEL
2964	250.2006	94.3909	33.7546	1460392.48	1060136.18	4.075	1.7	CORONA
2965	239.2204	98.0732	34.9922	1460394.36	1060129.85	1.8671	1.7	LAMINA
2966	235.1307	99.3646	35.1191	1460395.72	1060127.75	0.9484	1.7	NIVEL
2967	232.1526	99.3647	35.1697	1460396.74	1060126.28	0.9399	1.7	NIVEL
2968	234.394	98.3841	39.9585	1460391.94	1060124.65	0.807	1.7	NIVEL
2969	225.4832	95.3631	35.3557	1460398.93	1060122.97	3.3575	1.7	CORONA
2970	228.4208	97.2227	38.1066	1460395.77	1060122.56	1.9221	1.7	LAMINA
2971	229.205	98.5645	38.2027	1460395.53	1060122.92	0.8725	1.7	FONDO
7001				1060589.32	1460029.49	7.502	1.7	D-22
7002				1060669.25	1460099.65	5.093	1.7	D-23
7003	171.4011	91.1213	106.312	1060669.2	1460099.61	5.094	1.7	D-22 - D-23
7004	302.4851	85.083	6.821	1060589.34	1460022.69	7.904	1.7	PARAMENTO CASA
7005	30.2838	70.0524	0.746	1060588.62	1460029.46	7.58	1.7	PARAMENTO CASA
7006	30.1746	81.0232	4.728	1060584.66	1460029.27	8.062	1.7	PARAMENTO CASA
7007	109.5953	91.3821	35.819	1060581.3	1460064.38	6.301	1.7	NIVEL
7008	125.0359	92.0556	25.415	1060590.26	1460054.87	6.395	1.7	NIVEL
7009	161.1508	90.5637	17.028	1060599.88	1460042.85	7.046	1.7	NIVEL
7010	205.4118	94.0444	20.381	1060609.49	1460032.06	6.076	1.5	NIVEL
7011	230.5617	94.0942	27.484	1060615.4	1460021.02	6.031	1	NIVEL
7012	239.5939	93.0657	35.024	1060620.47	1460013.59	6.122	1	CERCA
7013	250.2446	92.1247	28.104	1060611.62	1460012.41	6.241	1.7	CERCA
7014	278.2619	90.3226	20.522	1060597.84	1460010.82	7.132	1.7	CERCA
7015	301.1132	87.0013	19.578	1060589.92	1460009.94	8.349	1.7	CERCA
7016	71.3803	87.531	26.843	1060568.39	1460046.25	8.316	1.7	D-22 - D-1
7017	251.38	91.1157	26.833	1060589.33	1460029.49	7.496	1.7	D-1 - D-22
7018	282.0816	89.0458	122.764	1060612	1459931.51	9.724	2	CASA
7019	283.4116	89.0859	114.725	1060606.23	1459937.96	9.761	1.7	CASA
7020	284.0204	89.1031	108.83	1060603.66	1459943.31	9.625	1.7	CASA
7021	287.5846	89.0848	109.957	1060596.79	1459940.04	9.696	1.7	CASA
7022	288.3716	89.0744	104.891	1060594.34	1459944.64	9.653	1.7	CASA
7023	281.4305	89.2403	101.069	1060604.98	1459952.05	9.115	1.7	VIA
7024	279.214	89.3136	94.265	1060606.11	1459959.87	8.837	1.7	VIA
7025	279.3236	89.3029	71.2	1060596.67	1459980.91	8.67	1.7	VIA
7026	283.005	89.2012	71.641	1060592.81	1459978.91	8.888	1.7	VIA
7027	285.1637	89.1445	43.484	1060581.58	1460004.82	8.63	1.7	VIA
7028	279.1422	89.1524	32.538	1060581.47	1460016.46	8.48	1.7	VIA
7029	286.4239	89.0251	32.448	1060577.46	1460015.1	8.597	1.7	VIA
7030	274.3322	88.4035	19.668	1060577.74	1460028.95	8.512	1.7	VIA
7031	287.16	88.3652	19.204	1060573.57	1460027.77	8.522	1.7	VIA
7032	268.1105	88.0209	10.494	1060574.37	1460037.64	8.418	1.7	VIA
7033	294.1936	88.3155	11.311	1060570.08	1460035.07	8.348	1.7	VIA
7034	77.3339	90.5133	8.205	1060562.55	1460052.01	7.935	1.7	VIA
7035	50.5542	90.0928	9.997	1060558.88	1460049.34	8.03	1.7	VIA
7036	79.4032	93.3901	38.995	1060541.71	1460074.59	7.176	0.1	VIA
7037	73.1907	91.0016	39.154	1060538.56	1460071.61	7.372	1.7	VIA
7038	79.1143	92.3827	66.938	1060522.14	1460094.55	6.474	0.2	VIA
7039	74.5332	91.1657	66.79	1060518.72	1460090.88	6.563	1.7	VIA
7040	73.1617	91.2524	79.059	1060508.13	1460097.39	6.595	1.2	P.CERRAMIENTO
7041	70.5414	90.3747	46.91	1060531.4	1460075.1	7.543	1.7	P.CERRAMIENTO
7042	64.0056	88.4708	24.976	1060547	1460059.14	8.587	1.7	P.CERRAMIENTO
7043	293.0524	88.1334	19.524	1060571.73	1460027.03	8.662	1.7	P.CERRAMIENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7044	303.1925	83.5514	21.934	1060568.24	1460024.44	8.581	3.5	P.CERRAMIENTO
7045	291.1957	88.3937	46.573	1060577.76	1460000.65	7.347	3.5	P.CERRAMIENTO
7046	291.1918	88.3923	46.599	1060577.78	1460000.62	9.151	1.7	P.CERRAMIENTO
7047	284.361	89.1522	97.425	1060599.05	1459953.79	9.324	1.7	PZA
7048	285.5904	89.1237	79.558	1060591.6	1459970.16	9.155	1.7	PZA
7049	148.4848	91.3645	11.138	1060573.24	1460056.27	7.745	1.7	PARAMENTO
7050	118.3438	87.0534	4.253	1060568.06	1460050.49	8.274	1.7	PARAMENTO
7051	92.1739	85.2349	13.702	1060561.42	1460058	8.358	2.5	PARAMENTO
7052	278.43	89.581	80.417	1060601.39	1459972.92	8.801	1	CERCA
7053	277.5357	90.0406	41.164	1060585.81	1460008.96	8.709	1	CERCA
7054	269.5623	89.0831	19.867	1060579.21	1460029.59	8.356	1.7	CERCA
7055	254.3943	88.1341	14.052	1060578.87	1460036.91	8.493	1.7	CERCA
7056	93.2117	86.1216	17.373	1060559.82	1460061.33	7.808	3.1	CASA
7057	88.512	86.4314	24.917	1060554.44	1460066.85	6.583	4.6	CASA
7058	75.1359	91.0826	111.791	1060485.7	1460121.45	5.834	1.7	D-1 - D-2
7059	255.1401	88.3659	111.788	1060568.37	1460046.26	8.314	1.7	D-2 - D-1
7060	247.1953	87.5757	46.352	1060523.93	1460095.29	7.259	1.7	CERCA
7061	252.5041	88.3623	86.92	1060552.36	1460065.72	7.728	1.7	CERCA
7062	251.5829	88.3439	70.94	1060540.79	1460076.8	7.375	1.7	CERCA
7063	243.2511	89.11	23.926	1060506.32	1460109.32	5.955	1.7	CERCA
7064	70.2434	92.0939	13.514	1060474.98	1460129.66	5.104	1.7	CERCA
7065	68.4736	92.4604	19.01	1060470.3	1460132.57	4.696	1.7	CERCA
7066	69.212	93.2443	40.749	1060452.96	1460145.59	3.189	1.7	CERCA CORONA
7067	259.0903	88.1601	32.858	1060508.43	1460097.75	6.608	1.7	PARAMENTO
7068	270.0247	88.1718	17.977	1060495.46	1460106.36	6.151	1.7	PARAMENTO
7069	336.1601	87.3246	9.066	1060480.72	1460113.88	6.002	1.7	PARAMENTO
7070	335.2503	84.1907	15.217	1060477.57	1460108.68	7.12	1.7	PARAMENTO
7071	25.4508	90.0727	27.569	1060458.34	1460118	5.554	1.7	CERCA
7072	27.124	89.4855	40.79	1060445.11	1460117.37	5.746	1.7	CERCA
7073	265.3852	88.4154	16.088	1060495.44	1460108.66	5.98	1.7	VIA
7074	246.0812	88.4718	14.821	1060498.1	1460113.34	5.927	1.7	VIA
7075	34.3631	87.3154	3.225	1060482.47	1460121.54	5.753	1.7	VIA
7076	353.0526	88.4629	8.27	1060479.35	1460116.15	5.791	1.7	VIA
7077	40.1938	90.0237	26.132	1060459.78	1460124.81	5.594	1.7	VIA
7078	30.001	90.0812	23.511	1060462.21	1460120.24	5.558	1.7	VIA
7079	39.551	89.4641	39.081	1060446.9	1460126.19	5.766	1.7	VIA
7080	30.0829	89.3607	40.665	1060445.08	1460119.46	5.897	1.7	VIA
7081	37.1505	89.1053	51.268	1060434.58	1460125.3	6.347	1.7	VIA
7082	41.5223	89.2259	46.938	1060439.33	1460128.73	6.12	1.7	VIA
7083	45.2802	88.2545	52.275	1060434.68	1460132.78	7.047	1.7	PUENTE
7084	42.5844	88.2147	55.198	1060431.36	1460131.06	7.191	1.7	PUENTE
7085	55.134	88.4157	65.953	1060424.68	1460146.45	7.112	1.7	PUENTE
7086	57.4313	88.2633	63.45	1060428.1	1460148.03	7.339	1.7	PUENTE
7087	61.4009	88.3418	72.766	1060421.9	1460156.41	7.428	1.7	VIA
7088	57.164	88.422	73.207	1060419.01	1460151.6	7.268	1.7	VIA
7089	60.5758	88.3251	82.518	1060412.87	1460160.2	7.706	1.7	VIA
7090	56.4747	88.4147	83.106	1060409.7	1460155.04	7.505	1.7	VIA
7091	53.4247	88.3548	105.367	1060387.2	1460158.79	8.195	1.7	VIA
7092	56.4921	88.3026	106.91	1060387.97	1460164.7	8.4	1.7	VIA
7093	54.1122	88.1446	129.376	1060365.16	1460168.3	9.575	1.7	VIA
7094	51.3308	88.1411	127.787	1060364.64	1460162.2	9.548	1.7	VIA
7095	50.235	87.2737	162.649	1060330.68	1460170.17	12.823	1.7	VIA
7096	55.3545	87.3124	161.282	1060336.99	1460183.49	12.585	1.7	VIA
7097	56.4814	87.2806	166.517	1060333.55	1460188.73	12.971	1.7	VIA
7098	50.1836	87.1404	174.309	1060319.52	1460173.4	14.026	1.7	VIA
7099	51.5736	86.464	185.014	1060311.05	1460181.62	16.016	1.7	D-2 - D-3
7100	244.264	88.0709	60.78	1060537.49	1460089.72	7.709	1.6	CASA
7101	241.0625	87.4	52.02	1060531.52	1460096.92	7.732	1.7	CASA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7102	234.1826	87.5255	54.089	1060536.04	1460101.77	7.613	1.7	CASA
7103	232.4931	87.5446	48.721	1060531.48	1460104.9	7.389	1.7	CERCA
7104	220.484	89.1234	54.088	1060539.27	1460114.05	6.361	1.7	CERCA
7105	209.4018	90.1932	62.574	1060548.17	1460125.03	5.259	1.7	CERCA
7106	202.1004	90.1827	71.37	1060555.8	1460134.8	5.231	1.7	CERCA
7107	194.5601	91.2233	84.906	1060566.41	1460147.7	3.576	1.7	CERCA
7108	150.0332	93.3959	12.803	1060491.52	1460132.82	4.795	1.7	NIVEL
7109	196.4233	90.3754	53.066	1060536.64	1460136.29	5.029	1.7	NIVEL
7110	156.5442	91.3338	35.698	1060505.63	1460151.05	4.642	1.7	NIVEL
7111	208.0522	89.5656	41.799	1060527.34	1460124.99	5.651	1.7	NIVEL
7112	222.4613	90.0857	34.45	1060519.64	1460115.58	5.524	1.7	NIVEL
7113	158.1019	91.2319	67.555	1060524.65	1460176.62	3.977	1.7	NIVEL
7114	211.5051	92.3506	15.286	1060500.96	1460121.74	4.925	1.7	NIVEL
7115	159.1136	91.0006	94.715	1060541.68	1460197.83	3.959	1.7	NIVEL
7116	187.0854	91.1958	28.593	1060511.43	1460133.89	4.949	1.7	NIVEL
7117	158.3234	90.4605	117.327	1060553.98	1460216.85	4.042	1.7	NIVEL
7118	176.3148	91.011	50.591	1060526.4	1460151.48	4.714	1.7	NIVEL
7119	174.5421	91.3141	70.258	1060541.01	1460164.73	3.741	1.7	NIVEL
7120	172.1547	91.0047	93.46	1060556.55	1460182.37	3.962	1.7	NIVEL
7121	154.023	91.0911	147.579	1060561.89	1460247.8	3.246	1.1	CORONA
7122	170.4809	90.3844	111.617	1060568.45	1460196.35	4.357	1.7	CORONA
7123	153.5426	91.1135	117.572	1060546.16	1460222.25	3.167	1.7	CORONA
7124	147.5132	91.2718	83.101	1060520.69	1460196.8	3.504	1.7	CORONA
7125	133.2447	92.0331	54.729	1060495.63	1460175.23	3.648	1.7	CORONA
7126	116.0513	92.4901	41.665	1060480.72	1460162.77	3.566	1.7	CORONA
7127	83.2528	92.3524	34.431	1060463.8	1460147.98	4.058	1.7	CORONA
7128	231.5739	93.043	184.987	1060485.69	1460121.45	5.805	1.7	D-3 - D-2
7129	225.2209	94.1212	133.876	1060441.44	1460152.91	2.615	5	CORONA
7130	220.0915	95.0046	147.299	1060456.63	1460163.22	2.857	1.7	CORONA
7131	220.0546	94.595	148.358	1060457.69	1460163.24	1.905	2.6	LAMINA
7132	220.0704	95.1325	148.537	1060457.81	1460163.16	1.304	2.6	CORONA
7133	220.063	95.2241	149.649	1060458.88	1460163.06	0.801	2.6	CORONA
7134	215.3031	94.1705	159.655	1060470.1	1460174.51	3.599	1.9	CORONA
7135	209.5912	93.5654	182.986	1060493.36	1460191.06	3.128	1.7	CORONA
7136	210.5123	94.2128	182.594	1060492.99	1460188.27	1.854	1.7	LAMINA
7137	210.5506	94.1115	182.711	1060493.16	1460188.08	1.486	2.6	NIVEL
7138	210.5526	93.5841	183.579	1060494.07	1460188.1	2.092	2.6	NIVEL
7139	206.2605	93.4227	196.472	1060505.84	1460203.87	2.924	1.8	CORONA
7140	201.121	93.1412	225.517	1060531.49	1460227.46	2.997	1.7	CORONA
7141	201.2625	93.3023	226.918	1060532.99	1460226.81	1.851	1.7	LAMINA
7142	201.2851	93.2848	226.967	1060533.07	1460226.67	1.053	2.6	NIVEL
7143	201.2852	93.2022	227.942	1060534.06	1460226.87	1.551	2.6	NIVEL
7144	196.0921	92.453	237.49	1060538.15	1460250.16	4.301	1.7	CORONA
7145	192.2608	92.5941	247.658	1060542.69	1460268.29	2.791	1.7	NIVEL
7146	192.2852	92.5513	249.43	1060544.43	1460268.73	2.123	2.6	NIVEL
7147	170.1149	92.5457	217.164	1060470.3	1460328.85	3.782	2.6	NIVEL
7148	170.055	93.1429	196.879	1060455.15	1460315.31	3.697	2.6	NIVEL
7149	169.555	93.3409	181.203	1060443.27	1460305.01	3.548	2.6	NIVEL
7150	176.3424	93.4846	167.992	1060446.01	1460281.04	3.657	2.6	NIVEL
7151	181.3612	93.4837	163.089	1060450.03	1460266.27	3.99	2.6	NIVEL
7152	181.4945	94.1717	148.527	1060437.84	1460258.17	3.722	2.6	CERCA
7153	174.3218	94.3001	139.57	1060420.08	1460268.07	4.776	1.7	CERCA
7154	190.2433	94.2158	142.97	1060442.71	1460236.27	4.843	1.7	NIVEL
7155	176.4131	94.521	122.615	1060409.56	1460253.88	5.319	1.7	NIVEL
7156	199.0053	95.16	119.138	1060426.19	1460210.19	4.791	1.7	NIVEL
7157	207.3712	95.5521	101.216	1060411.29	1460190.97	5.283	1.7	NIVEL
7158	219.2434	96.1807	87.07	1060397.04	1460171.89	6.169	1.7	NIVEL
7159	181.5609	95.0832	78.108	1060377.72	1460221.7	8.726	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7160	185.3635	94.202	66.637	1060370.07	1460212.14	10.685	1.7	NIVEL
7161	222.012	95.2252	115.9	1060424.99	1460163.43	4.858	1.7	NIVEL
7162	214.1036	94.5733	126.37	1060436.92	1460178.93	4.803	1.7	NIVEL
7163	208.3656	94.3041	141.183	1060451.39	1460192.26	4.622	1.7	NIVEL
7164	205.045	94.0429	157.975	1060467.14	1460203.2	4.502	1.7	NIVEL
7165	201.011	93.3359	175.42	1060482.35	1460217.82	4.816	1.7	NIVEL
7166	198.3633	93.2211	187.326	1060492.22	1460227.94	4.718	1.7	CERCA
7167	195.5506	93.1058	200.496	1060502.46	1460240.26	4.597	1.7	CERCA
7168	182.0712	94.3321	55.348	1060358.43	1460209.9	11.33	1.7	CORRAL
7169	183.4236	94.5615	49.557	1060354.13	1460205.74	11.461	1.7	CORRAL
7170	198.3046	95.3059	55.364	1060364.42	1460195.36	10.404	1.7	CORRAL
7171	203.0757	95.3928	54.632	1060364.62	1460190.89	10.34	1.7	MURO
7172	205.1839	95.2848	56.605	1060366.89	1460189.11	10.32	1.7	MURO
7173	199.084	94.5049	63.614	1060372.6	1460196.75	10.351	1.7	MURO
7174	198.3616	94.533	63.091	1060371.95	1460197.2	10.346	1.7	MURO
7175	199.1503	95.3732	64.008	1060372.94	1460196.71	9.452	1.7	NIVEL
7176	205.2009	96.1758	56.683	1060366.89	1460189.09	9.507	1.7	NIVEL
7177	172.1018	95.4257	36.099	1060338.25	1460205.08	12.131	1.7	VIA
7178	183.5928	94.5947	38.923	1060344.98	1460200.4	12.336	1.7	NIVEL
7179	169.5205	94.3107	61.072	1060355.52	1460223.21	10.915	1.7	NIVEL
7180	177.3626	93.5523	62.26	1060361.72	1460217.55	11.467	1.7	NIVEL
7181	169.0651	94.1353	71.408	1060362.42	1460230.94	10.457	1.7	NIVEL
7182	175.3602	93.3643	73.955	1060369.72	1460226.4	11.067	1.7	NIVEL
7183	167.5504	94.031	81.304	1060368.36	1460239	9.98	1.7	NIVEL
7184	173.3928	93.2645	84.455	1060376.29	1460235.01	10.65	1.7	NIVEL
7185	167.0535	93.5439	88.015	1060372.21	1460244.63	9.724	1.7	NIVEL
7186	169.5434	93.1041	102.459	1060385.82	1460251.44	10.046	1.7	NIVEL
7187	167.1617	93.092	113.765	1060390.41	1460262.89	9.464	1.7	VIA
7188	167.5254	93.3453	116.775	1060393.36	1460264.13	8.432	1.7	CERCA
7189	172.285	94.0725	99.629	1060386.65	1460246.12	8.563	1.7	CERCA
7190	178.5637	94.3755	76.21	1060374.02	1460224.11	9.572	1.7	CERCA
7191	185.1943	94.2211	65.202	1060368.65	1460211.76	10.958	1.5	CERCA
7192	177.4337	94.1113	71.404	1060369.22	1460222.7	10.713	1.5	ALCANTARILLA
7193	177.1548	93.4929	69.67	1060367.51	1460222.17	11.279	1.5	ALCANTARILLA
7194	177.3623	93.4502	67.722	1060366.17	1460220.71	11.496	1.5	ALCANTARILLA
7195	178.2419	93.572	67.395	1060366.43	1460219.75	11.277	1.5	ALCANTARILLA
7196	178.2051	93.5916	67.624	1060366.58	1460219.93	11.223	1.5	ALCANTARILLA
7197	167.3721	94.2013	65.975	1060357.3	1460228.4	10.937	1.5	ALCANTARILLA
7198	169.001	94.2555	65.065	1060357.75	1460226.64	10.898	1.5	ALCANTARILLA
7199	169.0324	94.3143	63.231	1060356.47	1460225.32	10.934	1.5	ALCANTARILLA
7200	168.4139	94.5451	62.278	1060355.49	1460224.92	10.591	1.5	ALCANTARILLA
7201	153.4332	91.1656	39.415	1060331.21	1460215.48	14.844	1.7	CASA
7202	162.1154	92.0625	37.995	1060335.07	1460211.03	14.329	1.7	CASA
7203	162.2857	91.3352	45.814	1060340.2	1460216.94	14.475	1.7	CASA
7204	167.3636	92.5413	47.206	1060344.19	1460215.16	13.335	1.7	GAVION
7205	168.3937	94.0446	47.232	1060344.77	1460214.52	12.366	1.7	GAVION
7206	169.1323	94.5423	47.318	1060345.12	1460214.21	11.679	1.7	GAVION
7207	170.3545	96.1537	31.314	1060334.05	1460202.59	12.311	1.7	GAVION
7208	169.4909	95.2023	31.329	1060333.81	1460202.95	12.811	1.7	GAVION
7209	167.5959	93.3503	31.228	1060333.11	1460203.64	13.774	1.7	GAVION
7210	168.0355	93.3124	30.065	1060332.31	1460202.8	13.878	1.7	GAVION
7211	169.5059	95.2325	30.141	1060332.96	1460202.13	12.895	1.7	GAVION
7212	170.4426	96.1802	30.191	1060333.28	1460201.78	12.413	1.7	GAVION
7213	171.371	96.4748	25.302	1060329.92	1460198.21	12.732	1.7	GAVION
7214	170.2229	95.4428	25.288	1060329.58	1460198.64	13.196	1.7	GAVION
7215	168.2012	93.3342	25.285	1060329.01	1460199.35	14.155	1.7	GAVION
7216	165.0256	93.5655	22.986	1060326.42	1460198.64	14.143	1.7	GAVION
7217	167.0223	96.0716	23.286	1060327.16	1460198.25	13.243	1.7	GAVION

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7218	168.2044	97.2229	23.37	1060327.55	1460197.9	12.726	1.7	GAVION
7219	174.1005	98.5442	16.645	1060323.87	1460191.92	13.148	1.7	GAVION
7220	172.2426	96.4923	16.494	1060323.49	1460192.27	13.766	1.7	GAVION
7221	169.1606	93.3002	16.128	1060322.69	1460192.74	14.741	1.7	GAVION
7222	323.5933	90.3651	1.991	1060310.33	1460179.76	15.705	1.7	GAVION
7223	298.4538	112.4907	2.622	1060311.23	1460179.21	14.709	1.7	GAVION
7224	296.1702	117.0845	3.356	1060311.4	1460178.66	14.195	1.7	GAVION
7225	315.5946	119.2256	2.588	1060310.54	1460179.42	14.456	1.7	ALCANTARILLA
7226	292.3041	114.3457	3.781	1060311.67	1460178.24	14.153	1.7	ALCANTARILLA
7227	310.3535	107.1857	4.876	1060310.43	1460177.01	14.275	1.7	ALCANTARILLA
7228	327.1358	106.4819	4.231	1060309.38	1460177.93	14.503	1.7	ALCANTARILLA
7229	325.3425	108.1853	4.171	1060309.53	1460177.97	14.415	1.7	ALCANTARILLA
7230	284.5504	94.5312	16.807	1060316.23	1460165.7	14.294	1.7	ALCANTARILLA
7231	281.5045	94.2828	15.384	1060316.57	1460167.31	14.526	1.7	ALCANTARILLA
7232	275.3815	95.2107	14.7	1060317.76	1460168.62	14.355	1.7	ALCANTARILLA
7233	269.5519	96.062	15.391	1060319.39	1460168.79	14.089	1.7	ALCANTARILLA
7234	168.1135	96.5025	25.177	1060328.8	1460199.22	12.727	1.7	ALCANTARILLA
7235	171.5559	97.1359	25.244	1060329.94	1460198.06	12.548	1.7	ALCANTARILLA
7236	172.0131	97.2454	23.455	1060328.62	1460196.86	12.699	1.7	ALCANTARILLA
7237	168.2253	97.2038	23.435	1060327.61	1460197.93	12.73	1.7	ALCANTARILLA
7238	199.2241	97.5146	28.41	1060338.41	1460188.23	11.84	1.7	ALCANTARILLA
7239	196.4325	96.3829	28.473	1060338.2	1460189.53	12.433	1.7	ALCANTARILLA
7240	194.3038	96.1159	29.867	1060339.22	1460191.01	12.5	1.7	ALCANTARILLA
7241	194.4902	97.0846	31.959	1060341.19	1460191.49	11.75	1.7	ALCANTARILLA
7242	311.3727	101.4226	6.518	1060310.09	1460175.31	14.403	1.7	VIA
7243	354.5435	96.2717	8.634	1060304.29	1460176.34	14.755	1.7	VIA
7244	350.2052	91.112	15.268	1060299.81	1460171.29	15.409	1.7	VIA
7245	336.3741	90.1624	21.345	1060299.21	1460163.86	15.624	1.7	VIA
7246	313.0248	90.5617	21.368	1060307.3	1460160.59	15.376	1.7	VIA
7247	340.5509	88.2605	38.59	1060287.32	1460151.21	16.78	1.7	VIA
7248	330.3402	88.2732	43.204	1060291.03	1460143.35	16.888	1.7	VIA
7249	343.2853	88.01	73.231	1060263.49	1460126	18.261	1.7	VIA
7250	336.5425	88.0536	71.729	1060271	1460122.16	18.113	1.7	VIA
7251	353.1828	91.2329	17.223	1060297.79	1460170.64	15.308	1.7	ALCANTARILLA
7252	351.4323	91.0941	15.907	1060299.09	1460171.14	15.404	1.7	ALCANTARILLA
7253	357.2919	90.3319	15.26	1060298.62	1460172.77	15.578	1.7	ALCANTARILLA
7254	359.2733	90.423	16.903	1060296.95	1460172.3	15.517	1.7	ALCANTARILLA
7255	43.3931	84.591	36.024	1060275.79	1460188.29	18.874	1.7	D-3 - D-4
7256	41.2846	85.3441	12.43	1060298.79	1460183.46	16.684	1.7	NIVEL
7257	62.1622	86.4918	24.362	1060289.84	1460193.53	17.077	1.7	NIVEL
7258	100.1213	87.4635	13.042	1060306.01	1460193.64	16.232	1.7	NIVEL
7259	92.5934	88.4417	23.898	1060299.12	1460202.32	16.252	1.7	NIVEL
7260	122.2854	89.4321	23.758	1060310.86	1460205.38	15.841	1.7	NIVEL
7261	111.4516	89.1713	32.776	1060304.69	1460213.77	16.134	1.7	NIVEL
7262	123.4625	89.2212	40.125	1060311.63	1460221.74	16.167	1.7	NIVEL
7263	136.0721	90.1614	31.753	1060318.29	1460212.54	15.576	1.7	NIVEL
7264	190.5651	95.211	41.933	1060349.76	1460197.26	11.814	1.7	CERCA
7265	203.3721	96.51	27.705	1060338.19	1460186.08	12.422	1.7	CERCA
7266	193.4613	95.5705	33.973	1060342.96	1460192.72	12.204	1.7	CERCA
7267	225.434	97.2102	51.534	1060360.89	1460170.32	9.133	1.7	CERCA
7268	224.0933	95.4403	78.255	1060387.43	1460166.49	7.908	1.7	CERCA
7269	223.3037	94.483	100.757	1060409.75	1460163.22	7.281	1.7	CERCA
7270	223.3037	94.4827	100.738	1060409.73	1460163.22	7.284	1.7	CERCA
7271	226.2323	94.3149	119.91	1060427.31	1460153.84	6.256	1.7	CERCA
7272	229.0127	94.3917	111.819	1060418.14	1460150.76	6.653	1.7	CERCA
7273	229.5418	95.0521	98.447	1060404.85	1460153.03	6.994	1.7	CERCA
7274	234.2224	96.3717	61.445	1060367.87	1460159.33	8.641	1.7	CERCA
7275	240.0155	97.3417	41.472	1060347.65	1460162.91	10.262	1.7	CERCA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7276	223.3931	93.421	35.973	1060311.06	1460181.62	15.966	1.7	D-4 - D-3
7277	245.5418	95.4729	18.132	1060290.93	1460178.48	16.459	1.7	VIA
7278	233.1407	96.3032	19.005	1060293.5	1460181.74	16.135	1.7	VIA
7279	161.3452	93.1855	6.712	1060279.97	1460193.52	17.901	1.7	VIA
7280	121.1207	89.1115	3.109	1060275.69	1460191.4	18.333	1.7	VIA
7281	90.4245	86.1911	20.188	1060265.04	1460205.33	19.585	1.7	VIA
7282	73.4631	85.2301	25.363	1060256.66	1460204.82	20.33	1.7	VIA
7283	59.5228	84.335	28.325	1060250.65	1460201.06	20.972	1.7	VIA
7284	61.3458	86.0423	33.11	1060246.8	1460204.12	20.557	1.7	VIA
7285	74.5247	85.581	30.649	1060253.04	1460208.72	20.443	1.7	VIA
7286	89.5158	87.0344	31.658	1060258.53	1460214.78	19.912	1.7	VIA
7287	90.06	87.2345	41.169	1060253.48	1460222.84	20.16	1.7	VIA
7288	96.0107	87.1157	42.424	1060256.6	1460226.07	20.362	1.7	VIA
7289	88.4032	87.5105	60.639	1060241.66	1460238.36	20.563	1.7	VIA
7290	92.1052	87.5133	61.815	1060244.19	1460241.37	20.598	1.7	VIA
7291	87.3636	88.0315	78.48	1060230.42	1460252.27	20.954	1.7	VIA
7292	90.0311	88.0137	80.731	1060231.97	1460256.04	21.069	1.7	VIA
7293	89.3603	88.2354	106.629	1060217.19	1460277.33	21.27	1.7	VIA
7294	89.5	88.2034	106.882	1060217.42	1460277.77	21.381	1.7	PARAMENTO
7295	91.0315	88.0119	88.807	1060228.89	1460263.64	21.355	1.7	P.INICIO CERCA
7296	92.2707	87.5342	70.725	1060239.92	1460249.19	20.887	1.7	P.INICIO CERCA
7297	95.241	87.2457	52.1	1060251.72	1460234.44	20.638	1.7	P.INICIO CERCA
7298	98.2329	86.2423	42.936	1060257.98	1460227.27	20.98	1.7	P.INICIO CERCA
7299	103.1438	86.0648	41.373	1060261.87	1460227.15	21.093	1.7	PARAMENTO
7300	110.391	84.3823	29.123	1060269.61	1460216.62	21.01	1.7	PARAMENTO
7301	110.2115	83.5222	24.673	1060270.44	1460212.23	20.923	1.7	PARAMENTO
7302	119.0821	82.0545	18.143	1060274.59	1460206.22	20.784	1.7	PARAMENTO
7303	94.292	86.3316	31.77	1060260.68	1460216.17	20.198	1.7	POZO
7304	118.5059	84.1547	14.907	1060274.73	1460203.08	19.779	1.7	CERCA
7305	189.4112	90.1612	8.403	1060283.51	1460191.61	18.249	1.7	CERCA
7306	88.4359	88.3453	115.541	1060210.84	1460283.8	21.15	1.7	D-4 - D-5
7307	268.4401	91.0101	115.522	1060275.79	1460188.29	18.863	1.7	D-5 - D-4
7308	274.0604	89.1616	44.006	1060232.07	1460245.26	21.472	1.7	PARAMENTO
7309	305.3934	87.4153	12.281	1060210.26	1460271.55	21.405	1.7	PARAMENTO
7310	335.2201	88.59	30.411	1060194.54	1460258.14	21.452	1.7	PARAMENTO
7311	272.4457	89.5907	38.69	1060230.3	1460250.37	20.922	1.7	VIA
7312	297.2854	88.1852	7.228	1060211.52	1460276.61	21.125	1.7	VIA
7313	257.0548	87.4129	6.046	1060215.17	1460279.6	21.156	1.7	VIA
7314	174.1404	83.0353	1.962	1060212.36	1460285.02	21.149	1.7	VIA
7315	173.2418	89.0801	26.431	1060231.22	1460300.63	21.312	1.7	VIA
7316	185.0012	89.1046	29.803	1060237.16	1460297.77	21.339	1.7	VIA
7317	173.3356	89.3611	54.846	1060253.23	1460318.6	21.292	1.7	VIA
7318	178.5534	89.3911	62.413	1060262.56	1460318.73	21.29	1.7	VIA
7319	173.223	89.4731	74.482	1060268.25	1460331.26	21.183	1.7	VIA
7320	171.0206	89.5433	75.133	1060266.75	1460333.99	21.032	1.7	VIA
7321	171.1153	89.544	80.392	1060270.81	1460337.34	21.037	1.7	VIA
7322	173.2141	89.4638	80.557	1060272.92	1460335.14	21.226	1.7	VIA
7323	174.055	89.4724	109.135	1060295.83	1460352.27	21.313	1.7	VIA
7324	177.1018	89.471	112.615	1060302.2	1460349.64	21.333	1.7	VIA
7325	174.1814	89.4832	131.175	1060313.29	1460365.72	21.351	1.7	VIA
7326	176.3532	89.5158	153.843	1060334.73	1460375	21.273	1.7	VIA
7327	174.0648	89.5417	166.186	1060340.29	1460388.02	21.19	1.7	VIA
7328	176.0537	89.5408	167.908	1060345.19	1460384.52	21.2	1.7	VIA
7329	176.5537	89.4923	164.381	1060343.78	1460380.48	21.421	1.7	PARAMENTO
7330	173.5852	89.4729	155.665	1060331.86	1460381.7	21.48	1.7	PARAMENTO
7331	171.0231	90.0214	82.608	1060272.31	1460338.98	21.559	1	PARAMENTO
7332	180.0234	89.202	82.248	1060279.88	1460328.48	21.861	1.7	PARAMENTO
7333	170.5223	90.055	68.121	1060261.4	1460329.45	21.497	1	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7334	180.0052	89.2837	65.322	1060265.66	1460319.32	21.509	1.7	PARAMENTO
7335	175.4013	89.4435	76.51	1060271.71	1460330.15	21.255	1.7	PZA
7336	132.5623	82.2709	4.54	1060211.62	1460288.24	21.508	1.7	PARAMENTO
7337	247.0856	87.1115	8.256	1060217.66	1460279.17	21.317	1.7	PARAMENTO
7338	88.392	90.27	25.643	1060196.39	1460304.99	20.711	1.7	PARAMENTO
7339	71.0225	90.015	24.533	1060191.53	1460298.94	20.899	1.7	PARAMENTO
7340	4.4954	86.0021	5.784	1060205.75	1460281.09	21.315	1.7	PARAMENTO
7341	352.5452	89.1843	41.834	1060178.81	1460256.9	21.415	1.7	PARAMENTO
7342	341.3913	89.2132	48.59	1060180.45	1460245.89	21.456	1.7	PARAMENTO
7343	352.261	89.4516	83.06	1060147.69	1460229.85	21.269	1.7	PARAMENTO
7344	344.5047	89.3619	75.979	1060160.1	1460227.25	21.436	1.7	PARAMENTO
7345	351.1806	89.5037	77.083	1060153.24	1460232.58	21.123	1.7	VIA
7346	344.5327	89.4246	53.675	1060174.96	1460243.88	21.181	1.7	VIA
7347	300.0009	84.2035	2.831	1060210.98	1460280.99	21.191	1.7	VIA
7348	351.4554	87.2015	4.539	1060207.42	1460280.82	21.123	1.7	VIA
7349	76.0836	90.1933	30.091	1060188.9	1460304.4	20.741	1.7	VIA
7350	84.4004	90.3214	30.478	1060191.96	1460307.73	20.626	1.7	VIA
7351	83.2314	90.1737	90.027	1060153.5	1460353.21	20.451	1.7	D-5 - D-6
7352	83.1246	90.1736	89.661	1060153.52	1460352.75	20.454	1.7	PZA
7353	79.5622	90.2851	60.1	1060169.84	1460327.75	20.408	1.7	VIA
7354	83.4057	90.2701	60.557	1060172.51	1460330.69	20.436	1.7	VIA
7355	80.4333	90.2535	86.444	1060152.74	1460347.82	20.269	1.7	VIA
7356	80.1533	90.235	86.557	1060152.15	1460347.42	20.312	1.7	VIA
7357	263.2314	89.2154	90.027	1060210.83	1460283.81	21.146	1.7	D-6 - D-5
7358	347.4736	89.4935	35.236	1060128.65	1460328.22	20.255	1.7	VIA
7359	348.4143	89.5613	63.37	1060108.11	1460308.99	20.218	1.7	VIA
7360	349.2312	90.0639	90.637	1060087.82	1460290.74	19.973	1.7	VIA
7361	352.243	90.0744	90.246	1060084.92	1460294.55	19.945	1.7	VIA
7362	352.2955	89.5845	66.816	1060102.65	1460309.86	20.173	1.7	VIA
7363	354.5251	89.3726	29.21	1060130.5	1460335.2	20.34	1.7	VIA
7364	28.0638	89.2857	3.582	1060149.93	1460352.91	20.18	1.7	VIA
7365	75.5719	91.0007	18.407	1060140.04	1460365.76	19.826	1.7	VIA
7366	90.1051	90.4731	19.417	1060142.99	1460369.53	19.88	1.7	VIA
7367	79.4017	90.4057	50.763	1060118.7	1460390.16	19.544	1.7	VIA
7368	84.3119	90.3312	51.598	1060121.43	1460393.63	19.65	1.7	VIA
7369	80.2808	90.2814	84.686	1060096.31	1460415.66	19.453	1.7	VIA
7370	84.1655	90.3234	84.63	1060100.62	1460419.28	19.347	1.7	VIA
7371	84.0049	90.3624	91.785	1060095.82	1460424.6	19.177	1.7	VIA
7372	125.0653	89.1731	4.146	1060153.65	1460357.35	20.199	1.7	VIA
7373	161.0806	89.0618	15.547	1060163.11	1460365.43	20.391	1.7	VIA
7374	233.5943	87.4005	3.628	1060156.88	1460351.91	20.296	1.7	VIA
7375	168.4605	89.2654	44.294	1060185.26	1460384.08	20.575	1.7	VIA
7376	173.4847	89.2545	43.397	1060187.16	1460380.6	20.58	1.7	VIA
7377	170.2353	89.5529	80.211	1060212.59	1460407.45	20.254	1.7	VIA
7378	170.4946	89.5448	86.695	1060217.8	1460411.35	20.28	1.7	VIA
7379	174.3139	89.5322	80.217	1060216.34	1460403.06	20.303	1.7	VIA
7380	169.0859	89.5801	78.384	1060210.07	1460407.46	20.194	1.7	PARAMENTO
7381	174.2948	89.5327	78.307	1060215.46	1460400.97	20.298	1.7	PARAMENTO
7382	167.2335	89.3504	40.563	1060181.9	1460382.17	20.442	1.7	PARAMENTO
7383	178.4236	89.0802	37.722	1060184.68	1460374.43	20.718	1.7	PARAMENTO
7384	131.4101	89.0701	6.138	1060154.43	1460359.27	20.243	1.7	PARAMENTO
7385	221.2037	87.4629	6.531	1060159.95	1460352.26	20.402	1.7	PARAMENTO
7386	310.1017	87.4257	6.768	1060152.65	1460346.5	20.418	1.7	PARAMENTO
7387	39.1454	88.4845	9.526	1060144.03	1460354.25	20.345	1.7	PARAMENTO
7388	348.0503	90.0639	91.017	1060088.99	1460289	19.973	1.7	PARAMENTO
7389	353.3303	90.0729	90.349	1060083.68	1460295.86	19.952	1.7	PARAMENTO
7390	80.0625	90.1918	83.388	1060096.8	1460414.35	19.68	1.7	PARAMENTO
7391	85.5053	91.0511	84.623	1060102.46	1460420.69	19.544	0.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7392	82.3144	90.2844	87.353	1060096.86	1460419.71	19.419	1.7	D-6 - D-7
7393	262.3144	89.1243	87.368	1060153.5	1460353.2	20.451	1.7	D-7 - D-6
7394	49.12	88.2421	4.729	1060092.32	1460421.03	19.381	1.7	VIA
7395	359.1457	90.1054	95.551	1060017.37	1460366.69	18.947	1.7	VIA
7396	356.1657	90.0933	94.765	1060020.85	1460363.12	18.986	1.7	VIA
7397	354.041	90.2652	90.745	1060026.22	1460362.75	19.24	1	PARAMENTO
7398	1.2518	90.0543	74.587	1060033.28	1460380.7	19.125	1.7	PARAMENTO
7399	8.1733	89.5955	37.459	1060062.82	1460404.08	19.25	1.7	PARAMENTO
7400	351.334	91.1038	40.395	1060066.56	1460393.01	19.119	1	PARAMENTO
7401	45.3846	87.1139	9.881	1060087.23	1460421.88	19.733	1.7	PARAMENTO
7402	78.3612	90.2359	39.76	1060069.07	1460448.14	18.972	1.7	PARAMENTO
7403	91.1715	92.1107	25.747	1060083.35	1460441.61	18.967	1	PARAMENTO
7404	78.4627	90.265	25.698	1060078.95	1460438.14	19.048	1.7	VIA
7405	87.0523	90.3445	25.555	1060081.89	1460440.42	18.991	1.7	VIA
7406	177.171	89.2654	36.707	1060126.68	1460441.11	19.602	1.7	VIA
7407	169.2946	89.2222	36.812	1060123.58	1460445.02	19.652	1.7	VIA
7408	167.0306	89.0137	36.495	1060122.25	1460445.91	19.869	1.7	PARAMENTO
7409	180.2852	89.2554	41.497	1060131.87	1460441.98	19.661	1.7	PARAMENTO
7410	119.374	86.1734	6.234	1060096.5	1460425.92	19.652	1.7	PARAMENTO
7411	220.105	86.2734	7.136	1060103.93	1460418.81	19.69	1.7	PARAMENTO
7412	357.4426	90.0844	228.005	1059910.57	1460288.25	18.674	1.7	D-7 - D-8
7413	356.1718	90.0853	101.897	1060015.12	1460358.87	18.986	1.7	VIA
7414	358.4823	90.1006	101.999	1060012.44	1460362.46	18.95	1.7	VIA
7415	356.1937	90.0109	128.958	1059993.36	1460342.78	19.207	1.7	VIA
7416	356.3352	90.0142	135.684	1059987.63	1460339.22	19.183	1.7	VIA
7417	358.2425	90.1312	224.427	1059912	1460292.45	18.39	1.7	VIA
7418	356.5748	90.0735	201.565	1059933.76	1460301.27	18.807	1.7	VIA
7419	358.3301	90.0913	195.087	1059935.89	1460309.49	18.729	1.7	VIA
7420	356.391	90.0309	168.343	1059961.18	1460320.05	19.097	1.7	VIA
7421	358.4906	90.1816	141.799	1059979.49	1460340.15	19.197	1	VIA
7422	356.1214	89.5435	136.436	1059987.53	1460338.08	20.165	1	PARAMENTO
7423	356.0904	90.0115	126.806	1059995.32	1460343.75	19.904	1	PARAMENTO
7424	359.5952	89.5927	108.087	1060006.16	1460360.91	19.967	1	PARAMENTO
7425	355.1447	90.5409	102.53	1060015.75	1460357.01	19.135	0.2	PARAMENTO
7426	177.4426	89.4512	228.011	1060096.86	1460419.71	19.416	1.7	D-8 - D-7
7427	209.1219	89.422	5.082	1059915.64	1460288.58	18.457	1.7	VIA
7428	256.5637	89.2148	27.377	1059930.26	1460269.23	18.735	1.7	VIA
7429	265.3428	89.3342	27.634	1059927.34	1460266.29	18.642	1.7	VIA
7430	264.1445	89.2349	61.102	1059948.77	1460240.57	19.074	1.7	VIA
7431	260.5016	89.222	61.444	1059951.77	1460242.67	19.104	1.7	VIA
7432	262.5003	89.1521	108.653	1059980.57	1460205.16	19.843	1.7	VIA
7433	264.3859	89.1329	109.599	1059978.49	1460202.25	19.915	1.7	VIA
7434	264.3822	89.1427	130.782	1059991.64	1460185.64	20.165	1.7	VIA
7435	262.5357	89.1554	131.474	1059995.16	1460187.62	20.119	1.7	VIA
7436	262.5407	89.1929	166.661	1060017.79	1460160.68	20.397	1.7	VIA
7437	263.46	89.1933	167.43	1060016.34	1460158.48	20.403	1.7	VIA
7438	263.5741	89.2134	196.101	1060033.94	1460135.83	20.625	1.7	VIA
7439	262.5506	89.2154	196.371	1060036.87	1460137.9	20.61	1.7	VIA
7440	263.2156	89.1601	209.35	1060043.96	1460126.92	21.113	1.7	D-8 - D-9
7441	264.113	89.2722	200.28	1060035.94	1460132.08	21.035	1	PARAMENTO
7442	261.5215	89.461	199.451	1060041.63	1460137.9	20.737	0.2	PARAMENTO
7443	261.5017	89.0905	116.399	1059987.1	1460200.56	20.156	1.7	PARAMENTO
7444	265.3915	89.1116	116.996	1059981.45	1460195.18	20.09	1.7	PARAMENTO
7445	259.2355	89.5441	77.017	1059963.63	1460232.43	19.25	1	PARAMENTO
7446	264.4452	89.1816	81.085	1059960.71	1460224.53	19.416	1.7	PARAMENTO
7447	293.134	84.492	4.177	1059911.27	1460284.15	18.808	1.7	PARAMENTO
7448	210.3458	86.3734	7.838	1059918.39	1460288.57	18.892	1.7	PARAMENTO
7449	186.4935	89.1213	27.536	1059935.29	1460300.37	18.814	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7450	140.1837	90.1417	4.226	1059911.83	1460292.28	18.413	1.7	VIA
7451	66.3622	90.0117	5.98	1059905.59	1460291.56	18.429	1.7	VIA
7452	79.1507	90.5246	35.18	1059886.27	1460313.68	17.891	1.7	VIA
7453	73.4653	90.3658	52.67	1059870.72	1460322.68	17.865	1.7	VIA
7454	77.3129	90.3602	54.031	1059872.08	1460326.17	17.865	1.7	VIA
7455	76.3301	90.4722	69.012	1059860.6	1460335.84	17.48	1.7	VIA
7456	73.1705	90.4501	68.518	1059858.34	1460332.59	17.534	1.7	VIA
7457	73.4241	90.5228	92.561	1059840.47	1460348.68	17.019	1.7	VIA
7458	76.251	90.455	93.029	1059843.06	1460352.24	17.191	1.7	VIA
7459	73.5252	90.4116	111.679	1059826.2	1460361.41	17.091	1.7	VIA
7460	75.5656	90.4109	105.135	1059833.68	1460359.94	17.173	1.7	ALCANTARILLA
7461	75.5719	90.4217	103.775	1059834.68	1460359.02	17.156	1.7	ALCANTARILLA
7462	76.365	90.5853	102.77	1059836.24	1460359.19	16.671	1.7	ALCANTARILLA
7463	76.27	91.05	106.832	1059833.09	1460361.77	16.412	1.7	ALCANTARILLA
7464	73.0814	90.5356	95.997	1059837.24	1460350.19	16.926	1.7	CERCA
7465	73.0147	90.4836	70.659	1059856.51	1460333.74	17.432	1.7	CERCA
7466	72.3246	90.4316	44.06	1059876.62	1460316.33	17.877	1.7	CERCA
7467	61.5133	91.4636	11.881	1059900.17	1460293.99	18.063	1.7	CERCA
7468	157.0903	89.0217	11.873	1059917.24	1460298.07	18.63	1.7	CERCA
7469	133.2748	88.5525	7.119	1059911.87	1460295.25	18.565	1.7	CERCA
7470	95.4455	88.5603	13.873	1059904.23	1460300.58	18.689	1.7	CERCA
7471	83.2628	90.5931	30.967	1059890.87	1460312.14	17.895	1.7	CERCA
7472	76.2648	90.4015	99.153	1059838.65	1460356.49	17.271	1.7	D-8 - D-10
7473	79.1613	90.5426	64.372	1059866.12	1460334.8	17.412	1.7	PARAMENTO
7474	148.5442	84.2127	1.549	1059911.24	1460289.63	18.583	1.7	PZA
7475	72.4819	90.2939	59.516	1059864.88	1460326.39	17.918	1.7	ALCANTARILLA
7476	73.0508	90.2912	58.897	1059865.54	1460326.21	17.931	1.7	ALCANTARILLA
7477	73.1321	90.3543	58.177	1059866.18	1460325.85	17.827	1.7	ALCANTARILLA
7478	77.1854	90.3359	62.651	1059865.78	1460332.05	17.812	1.7	ALCANTARILLA
7479	76.3927	90.3644	63.428	1059864.72	1460332.07	17.754	1.7	ALCANTARILLA
7480	76.4032	90.5403	64.439	1059864.01	1460332.78	17.418	1.7	ALCANTARILLA
7481	77.5601	91.0427	62.954	1059866.05	1460332.74	17.251	1.7	ALCANTARILLA
7482	256.2648	89.0244	99.145	1059910.56	1460288.26	18.671	1.7	D-10 - D-8
7483	254.3157	89.3952	34.279	1059864.29	1460333.74	17.22	1.7	TUBO INICIO
7484	250.2021	88.0454	27.283	1059860.31	1460339.93	17.032	2.6	TUBO INICIO
7485	247.0757	90.0726	23.878	1059858.4	1460343.08	16.967	1.7	TUBO LOMO
7486	188.013	95.5652	6.838	1059844.81	1460359.36	16.31	1.7	TUBO LOMO
7487	112.2319	96.4854	9.685	1059836.88	1460365.95	15.87	1.7	TUBO LOMO
7488	111.3554	100.4642	9.743	1059836.76	1460365.88	15.197	1.7	CLAVE TUBO
7489	19.3826	89.5721	10.507	1059828.42	1460354.07	17.027	1.7	ALCANTARILLA
7490	19.3508	88.5538	9.14	1059829.76	1460354.38	17.19	1.7	ALCANTARILLA
7491	12.0727	89.0518	8.092	1059831.08	1460353.61	17.148	1.7	ALCANTARILLA
7492	0.5017	90.5325	8.056	1059831.82	1460352.21	16.894	1.7	ALCANTARILLA
7493	248.0008	89.481	27.925	1059861.51	1460340.45	17.115	1.7	CORONA
7494	255.2523	89.1311	28.05	1059859.33	1460337.55	17.401	1.7	CORONA
7495	248.2615	91.1715	26.785	1059860.45	1460340.95	16.417	1.7	NIVEL
7496	249.2841	89.0725	25.516	1059859.15	1460341.31	16.409	2.7	NIVEL
7497	194.0309	92.5254	6.118	1059844.43	1460358.47	16.711	1.7	NIVEL
7498	190.0529	93.2144	9.812	1059847.67	1460360.3	16.444	1.7	NIVEL
7499	189.2853	98.03	8.465	1059846.33	1460359.83	15.834	1.7	NIVEL
7500	187.3753	98.0052	7.432	1059845.3	1460359.64	15.983	1.7	NIVEL
7501	121.4326	98.14	6.933	1059838.5	1460363.35	16.026	1.7	CORONA
7502	121.3124	93.4826	9.978	1059838.4	1460366.45	16.356	1.7	CORONA
7503	111.3302	106.2022	8.031	1059837.12	1460364.05	14.76	1.7	NIVEL
7504	87.5922	108.495	7.332	1059834.67	1460362.18	14.652	1.7	NIVEL
7505	84.5844	95.2829	8.382	1059833.51	1460363.07	16.219	1.7	CORONA
7506	108.2725	90.34	15.665	1059834.73	1460371.66	16.864	1.7	CORONA
7507	103.2455	90.0202	17.943	1059832.65	1460373.4	17.008	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7508	99.2512	100.3207	13.238	1059833.45	1460368.42	14.598	1.7	NIVEL
7509	104.3107	99.4058	13.961	1059834.3	1460369.55	14.671	1.7	NIVEL
7510	88.1415	94.2518	13.453	1059831.01	1460367.52	15.982	1.7	CORONA
7511	76.5215	91.3722	21.765	1059822.98	1460371.58	16.403	1.7	CORONA
7512	84.1703	94.3317	25.059	1059823.04	1460376	15.029	1.7	CORONA
7513	81.2113	96.5223	21.597	1059824.41	1460372.53	13.534	2.6	NIVEL
7514	81.1824	96.4409	21.609	1059824.39	1460372.53	14.484	1.7	NIVEL
7515	84.5629	96.1243	22.471	1059824.89	1460374.09	14.587	1.7	PARAMENTO
7516	248.0807	89.0225	35.442	1059867.61	1460336.07	17.613	1.7	PARAMENTO
7517	221.5602	88.3107	18.388	1059856.8	1460353.62	17.494	1.7	PARAMENTO
7518	135.0152	89.3505	16.186	1059842.03	1460372.32	17.136	1.7	PARAMENTO
7519	146.2532	93.293	19.569	1059846.43	1460374.41	17.427	0.1	PARAMENTO
7520	76.4026	91.5018	17.206	1059826.22	1460368.38	16.467	1.7	PARAMENTO
7521	55.595	89.3441	15.241	1059824.62	1460362.46	17.131	1.7	PARAMENTO
7522	49.2432	88.3417	35.287	1059804.82	1460366.49	17.599	2	PARAMENTO
7523	46.4338	89.2349	35.347	1059804.32	1460364.91	17.091	2	PARAMENTO
7524	44.3437	89.3855	50.144	1059789.53	1460366.6	17.027	2	FIN PARAMENTO
7525	42.0633	89.5656	91.056	1059748.75	1460370.99	17.101	1.7	D-10 - D-11
7526	33.4827	87.3439	2.509	1059836.14	1460356.53	17.125	1.7	VIA
7527	357.5751	89.072	5.879	1059833.83	1460353.12	17.109	1.7	VIA
7528	35.4322	89.4257	14.526	1059824.14	1460357.19	17.091	1.7	VIA
7529	52.0737	89.4517	15.108	1059824.38	1460361.45	17.084	1.7	VIA
7530	44.4724	89.4104	34.339	1059805.04	1460363.54	17.208	1.7	VIA
7531	38.473	89.323	33.97	1059804.85	1460359.95	17.291	1.7	VIA
7532	39.5026	89.4535	74.571	1059764.62	1460365.44	17.332	1.7	VIA
7533	42.5032	89.5522	72.709	1059767.02	1460368.98	17.117	1.7	VIA
7534	39.2618	90.0247	74.317	1059764.81	1460364.89	16.959	1.7	CERCA
7535	38.1154	89.424	41.501	1059797.32	1460360.29	17.228	1.7	CERCA
7536	38.1006	89.1936	22.669	1059816.07	1460358.55	17.285	1.7	CERCA
7537	19.1526	90.1149	10.85	1059828.11	1460353.92	16.982	1.7	CERCA
7538	222.0633	89.4341	91.067	1059838.66	1460356.49	17.28	1.7	D-11 - D-10
7539	205.5313	88.3238	14.107	1059762.75	1460372.72	17.206	1.7	ALCANTARILLA
7540	212.122	87.533	12.961	1059761.7	1460371.15	17.324	1.7	ALCANTARILLA
7541	211.485	87.404	11.137	1059759.88	1460371.21	17.298	1.7	ALCANTARILLA
7542	206.1308	87.1109	10.527	1059759.19	1460372.22	17.364	1.7	ALCANTARILLA
7543	236.0215	88.573	16.706	1059764.12	1460364.44	17.151	1.7	ALCANTARILLA
7544	235.0908	88.074	15.961	1059763.52	1460364.96	17.368	1.7	ALCANTARILLA
7545	237.4209	87.5348	13.675	1059761.16	1460365.26	17.349	1.7	ALCANTARILLA
7546	240.3511	93.4922	13.288	1059760.5	1460364.84	17.361	0.3	ALCANTARILLA
7547	186.4052	89.3451	24.123	1059770.38	1460381.66	17.024	1.7	PARAMENTO
7548	207.1612	88.5724	16.607	1059765.27	1460372.63	17.149	1.7	PARAMENTO
7549	218.2124	91.2348	28.567	1059777.18	1460368.3	16.851	1	PARAMENTO
7550	205.4821	87.2217	9.295	1059757.97	1460372.14	17.273	1.7	CERCA
7551	238.4735	87.5815	12.451	1059759.95	1460365.56	17.288	1.7	CERCA
7552	73.034	89.1527	15.248	1059737.09	1460380.81	17.045	1.7	CERCA
7553	55.5449	91.1233	18.637	1059731.6	1460378.26	17.154	1	CERCA
7554	64.2204	89.5555	45.716	1059709.74	1460394.82	16.901	1.7	CERCA
7555	58.1828	90.584	46.675	1059706.58	1460390.97	16.551	1.2	CERCA
7556	58.3852	90.5305	73.048	1059682.94	1460402.66	16.12	1.3	CERCA
7557	63.4105	90.1851	73.685	1059685.42	1460408.64	16.443	1.7	CERCA
7558	60.2806	90.254	177.579	1059591.27	1460453.03	15.524	1.7	D-11 - D-12
7559	58.4651	88.1942	7.373	1059742.12	1460374.2	17.062	1.7	VIA
7560	82.3113	87.3402	8.483	1059743.26	1460377.44	17.207	1.7	VIA
7561	61.5139	90.2817	174.553	1059595.96	1460455.37	15.413	1.7	VIA
7562	63.1535	90.2711	174.363	1059598.23	1460458.98	15.47	1.7	VIA
7563	64.4724	89.3817	31.328	1059722.14	1460387.51	17.045	1.7	VIA
7564	59.1623	89.5449	30.992	1059720.97	1460384.73	16.894	1.7	VIA
7565	63.0523	90.1601	61.658	1059695.43	1460401.95	16.56	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7566	59.3217	90.2311	61.676	1059693.6	1460398.59	16.431	1.7	VIA
7567	61.2955	90.2917	124.814	1059639.12	1460430.63	15.785	1.7	VIA
7568	63.1956	90.2908	123.603	1059642.13	1460433.5	15.8	1.7	VIA
7569	63.2842	90.2712	91.155	1059670.24	1460417.29	16.126	1.7	VIA
7570	60.4609	90.2547	90.194	1059668.98	1460413.08	16.171	1.7	VIA
7571	90.3222	90.2127	20.006	1059738.03	1460387.88	16.722	1.7	CASA
7572	78.1741	89.4518	18.442	1059735.79	1460384.1	16.926	1.7	CASA
7573	73.494	89.46	25.051	1059729.81	1460387.38	16.949	1.7	CASA
7574	240.2807	89.2434	177.577	1059748.75	1460370.99	17.086	1.7	D-12 - D-11
7575	243.1245	89.1206	104.476	1059681.5	1460400.39	16.71	1.7	RRAMIENTO COLEGIO
7576	243.3535	89.1032	51.641	1059635.69	1460426.71	15.997	1.7	RRAMIENTO COLEGIO
7577	264.45	75.1112	2.575	1059592.81	1460451.08	15.912	1.7	RRAMIENTO COLEGIO
7578	296.4101	85.0251	3.28	1059591.63	1460449.78	15.537	1.7	RRAMIENTO COLEGIO
7579	233.3541	89.523	80.731	1059666.81	1460424.57	16.131	1	CASA
7580	232.3406	89.55	74.073	1059661.04	1460428.16	16.062	1	CASA
7581	229.0656	89.1831	75.275	1059663.56	1460432.08	16.163	1.7	CASA
7582	229.0534	89.1754	56.136	1059645.19	1460437.43	15.942	1.7	CASA
7583	222.3515	89.0042	39.875	1059630.57	1460446.36	15.942	1.7	CASA
7584	215.4854	89.1402	41.993	1059633.21	1460450.93	15.816	1.7	CASA
7585	191.0317	88.5846	17.899	1059607.87	1460459.71	15.573	1.7	CASA
7586	171.3412	88.2732	14.776	1059602.35	1460462.8	15.651	1.7	CASA
7587	165.0041	89.1442	20.841	1059605.23	1460468.5	15.529	1.7	CASA
7588	234.4255	89.1817	69.446	1059655.76	1460427.28	16.097	1.7	CERCA
7589	230.0857	89.0914	45.814	1059635.03	1460439.49	15.931	1.7	CERCA
7590	225.2814	89.1305	34.153	1059624.61	1460445.63	15.72	1.7	CERCA
7591	203.55	89.213	41.267	1059632.02	1460459.51	15.716	1.7	CERCA
7592	189.3102	89.2213	30.543	1059619.29	1460465.18	15.59	1.7	CERCA
7593	143.2257	89.2518	24.523	1059599.83	1460476.01	15.502	1.7	CERCA
7594	144.1648	89.2052	23.315	1059599.75	1460474.75	15.519	1.7	CASA
7595	141.2313	88.2546	12.274	1059595.15	1460464.67	15.59	1.7	CASA
7596	93.2444	89.5804	28.349	1059577.29	1460477.7	15.27	1.7	CASA
7597	79.3613	90.4425	55.681	1059553.05	1460493.52	15.735	0.5	P. CERCA INICIO
7598	75.573	90.1031	77.073	1059534.91	1460505.6	16.219	0.5	CERCA
7599	73.5203	90.2256	107.76	1059509.84	1460523.61	15.736	0.5	CERCA
7600	73.1523	90.302	130.855	1059491.48	1460537.68	15.3	0.5	CERCA
7601	72.4106	90.2921	162.921	1059465.99	1460557.17	15.065	0.5	CERCA
7602	72.0809	90.2938	190.103	1059443.93	1460573.14	14.818	0.5	CERCA
7603	70.5538	90.3338	206.599	1059428.42	1460580.16	14.436	0.5	CERCA
7604	70.361	90.2733	196.132	1059435.99	1460572.84	13.685	1.7	VIA
7605	71.1549	90.3101	197.166	1059436.57	1460575.26	13.477	1.7	VIA
7606	70.343	90.2817	191.415	1059439.67	1460569.89	13.681	1.7	INT. VIA
7607	70.3537	90.285	183.622	1059445.88	1460565.18	13.716	1.7	INT. VIA
7608	71.3436	90.3057	183.581	1059447.86	1460567.63	13.604	1.7	INT. VIA
7609	72.2352	90.3307	160.483	1059467.35	1460554.99	13.709	1.7	INT. VIA
7610	70.5009	90.3356	160.825	1059464.35	1460551.79	13.668	1.7	ESQ, VIA
7611	70.5	90.3552	156.844	1059467.48	1460549.34	13.619	1.7	ESQ, VIA
7612	72.1759	90.3249	149.032	1059476.03	1460547.52	13.833	1.7	VIA
7613	72.5052	90.2919	123.497	1059496.53	1460532.24	14.202	1.7	ESQ, VIA
7614	70.5429	90.2914	135.037	1059484.8	1460536.09	14.107	1.7	ESQ, VIA
7615	71.0022	90.2917	131.145	1059488.01	1460533.87	14.138	1.7	VIA
7616	73.1753	90.273	93.578	1059519.95	1460513.62	14.506	1.7	VIA
7617	71.0808	90.2808	106.984	1059507.18	1460519.17	14.379	1.7	VIA
7618	74.5552	90.1507	62.069	1059545.13	1460494.55	14.981	1.7	VIA
7619	71.0522	90.2912	102.589	1059510.58	1460516.39	14.383	1.7	VIA
7620	79.0128	90.003	37.932	1059564.95	1460480.35	15.249	1.7	VIA
7621	74.2256	90.1007	36.044	1059564.25	1460476.88	15.148	1.7	VIA
7622	76.1708	90.0122	30.086	1059569.38	1460473.68	15.242	1.7	VIA
7623	69.3902	90.1815	67.647	1059537.03	1460493.46	14.895	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7624	168.3601	87.2259	4.972	1059594.82	1460456.5	15.481	1.7	VIA
7625	129.4552	87.3245	5.133	1059591.88	1460458.12	15.474	1.7	VIA
7626	356.3059	89.5653	39.966	1059559.11	1460429.3	15.29	1.7	VIA
7627	350.56	89.5934	39.695	1059561.78	1460426.46	15.259	1.7	VIA
7628	355.1347	90.0049	90.932	1059519.34	1460397.4	15.233	1.7	VIA
7629	355.0702	89.5933	94.071	1059516.97	1460395.33	15.267	1.7	VIA
7630	353.5531	89.5303	113.589	1059503.02	1460381.51	15.484	1.7	VIA
7631	352.1521	89.5259	112.611	1059505.89	1460379.61	15.485	1.7	VIA
7632	350.1953	90.1552	111.045	1059509.55	1460377.84	15.442	1	CERCA
7633	356.1606	90.0941	111.921	1059501.51	1460386.18	15.539	1.1	PARAMENTO
7634	356.2552	90.4016	95.34	1059514.65	1460396.3	15.338	0.5	ESQ-PARAMENTO
7635	356.0623	90.362	88.635	1059520.34	1460399.89	15.018	1	ESQ-PARAMENTO
7636	349.4202	90.2214	94.152	1059522.69	1460388.52	15.346	1	CERCA
7637	3.4628	90.315	24.227	1059570.12	1460441.22	15.03	1.7	ESQ-PARAMENTO
7638	43.4939	90.4339	36.872	1059555.06	1460459.99	14.786	1.7	ESQ-PARAMENTO
7639	1.5406	89.1008	17.719	1059576.09	1460443.89	15.511	1.7	ALCANTARILLA
7640	0.3216	88.3721	17.783	1059576.26	1460443.5	15.682	1.7	ALCANTARILLA
7641	359.5644	88.4439	19.016	1059575.32	1460442.68	15.671	1.7	ALCANTARILLA
7642	1.2428	89.1527	19.249	1059574.86	1460442.96	15.503	1.7	ALCANTARILLA
7643	346.2827	89.1331	19.049	1059578.15	1460439.22	15.512	1.7	ALCANTARILLA
7644	348.2912	88.4356	18.823	1059577.84	1460439.85	15.671	1.7	ALCANTARILLA
7645	348.2016	88.3856	17.797	1059578.6	1460440.54	15.674	1.7	ALCANTARILLA
7646	346.1541	89.0707	17.651	1059579.16	1460440.19	15.525	1.7	ALCANTARILLA
7647	3.2656	91.2507	18.914	1059574.81	1460443.72	14.786	1.7	CANAL
7648	2.2527	91.2603	18.913	1059574.98	1460443.43	14.781	1.7	CANAL
7649	2.5049	91.3148	18.951	1059574.88	1460443.53	14.748	1.7	CANAL
7650	345.5232	90.354	19.451	1059578.02	1460438.79	15.052	1.7	CANAL
7651	344.3433	90.4055	19.508	1059578.31	1460438.45	15.022	1.7	CANAL
7652	345.1137	91.0005	19.489	1059578.17	1460438.61	14.913	1.7	CANAL
7653	1.51	91.0535	23.207	1059571.4	1460441.05	14.811	1.7	CANAL
7654	348.465	90.4237	28.154	1059571.08	1460433.42	14.905	1.7	CANAL
7655	358.2139	90.3	34.691	1059562.71	1460433.34	14.951	1.7	CANAL
7656	350.3322	90.153	56.78	1059549.34	1460414.75	14.998	1.7	CANAL
7657	356.5326	90.1018	57.336	1059544.92	1460419.28	15.082	1.7	CANAL
7658	351.5337	90.0151	84.291	1059527.71	1460397.67	15.209	1.7	CANAL
7659	355.3558	90.0127	89.477	1059520.14	1460398.75	15.217	1.7	CANAL
7660	355.2614	90.0058	88.825	1059520.81	1460398.94	15.229	1.7	CANAL
7661	355.4157	90.0123	88.681	1059520.68	1460399.35	15.219	1.7	CANAL
7662	351.5503	89.584	90.19	1059523.23	1460393.82	15.29	1.7	CANAL
7663	351.4105	89.5835	90.343	1059523.36	1460393.45	15.292	1.7	CANAL
7664	23.5927	91.263	21.133	1059570.4	1460449.74	14.722	1.7	CANAL
7665	47.4437	91.0312	31.131	1059561.17	1460460.98	14.682	1.7	CANAL
7666	55.5616	90.3345	41.438	1059553.12	1460469.21	14.847	1.7	CANAL
7667	51.0712	90.5741	34.471	1059558.52	1460463.78	14.676	1.7	CANAL
7668	56.3908	90.5644	40.534	1059554.16	1460469.32	14.585	1.7	CANAL
7669	56.111	90.5341	40.641	1059553.93	1460469.06	14.62	1.7	CANAL
7670	56.5855	90.5421	40.425	1059554.35	1460469.49	14.615	1.7	CANAL
7671	66.2601	89.5114	37.6	1059559.91	1460473.78	15.35	1.7	D-12 - D-13
7672	246.2601	89.1657	37.606	1059591.27	1460453.03	15.498	1.7	D-13 - D-12
7673	343.2639	89.5414	36.11	1059536.46	1460446.32	15.088	1.7	PARAMENTO
7674	348.3257	89.5635	77.494	1059504.54	1460419.56	15.104	1.7	PARAMENTO
7675	348.5437	89.4304	82.362	1059500.7	1460416.52	15.433	1.7	PARAMENTO
7676	349.3705	89.4959	111.646	1059478.7	1460397.16	15.353	1.7	PARAMENTO
7677	355.3114	90.14	113.488	1059469.79	1460404.8	15.266	1	PARAMENTO
7678	356.134	90.1534	85.551	1059491.34	1460422.62	14.84	1.5	PARAMENTO
7679	356.1519	90.1933	78.613	1059496.87	1460426.8	14.781	1.5	PARAMENTO
7680	358.0434	89.5805	48.96	1059519.74	1460445.78	15.054	1.7	PARAMENTO
7681	4.3936	90.1144	12.706	1059548.72	1460467.75	14.984	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7682	41.3419	90.0929	18.299	1059541.82	1460476.52	14.977	1.7	PARAMENTO
7683	345.1904	88.4738	9.214	1059553.7	1460466.97	15.221	1.7	VIA
7684	326.1442	88.2111	10.24	1059555.86	1460464.38	15.321	1.7	VIA
7685	349.2327	89.5826	48.12	1059525.04	1460440.62	15.049	1.7	VIA
7686	353.5425	89.5948	48.65	1059522.12	1460443.13	15.03	1.7	VIA
7687	351.3815	89.5723	108.636	1059478.31	1460402.06	15.111	1.7	VIA
7688	353.3942	89.583	107.847	1059476.44	1460405.49	15.075	1.7	VIA
7689	86.2501	90.0019	32.555	1059540.53	1460499.93	15.024	1.7	D-13 - D-14
7690	352.3036	88.4103	6.61	1059554.88	1460469.49	15.179	1.7	ALCANTARILLA
7691	346.4142	87.1658	7.167	1059554.96	1460468.61	15.367	1.7	ALCANTARILLA
7692	347.2313	87.4511	7.817	1059554.44	1460468.2	15.333	1.7	ALCANTARILLA
7693	352.2039	89.3022	7.878	1059553.93	1460468.65	15.095	1.7	ALCANTARILLA
7694	310.0046	89.0302	9.047	1059558.8	1460464.8	15.177	1.7	ALCANTARILLA
7695	313.0824	87.2055	8.699	1059558.37	1460465.22	15.429	1.7	ALCANTARILLA
7696	317.3851	87.5137	9.36	1059557.53	1460464.73	15.377	1.7	ALCANTARILLA
7697	314.4334	89.26	9.934	1059557.88	1460464.05	15.125	1.7	ALCANTARILLA
7698	318.3521	90.2729	10.123	1059557.18	1460464.03	14.946	1.7	EJE CANAL
7699	315.3847	92.1659	10.498	1059557.6	1460463.54	14.609	1.7	EJE CANAL
7700	313.4922	91.3501	10.629	1059557.9	1460463.34	14.733	1.7	EJE CANAL
7701	353.2034	90.3027	8.388	1059553.45	1460468.43	14.953	1.7	EJE CANAL
7702	356.2638	93.1211	8.384	1059553.18	1460468.8	14.559	1.7	EJE CANAL
7703	358.3303	91.2128	8.525	1059552.88	1460468.96	14.825	1.7	EJE CANAL
7704	347.2358	90.1116	39.079	1059532.54	1460445.88	14.899	1.7	EJE CANAL
7705	354.3605	90.2826	38.379	1059529.81	1460449.97	14.71	1.7	EJE CANAL
7706	349.463	90.0117	59.397	1059516.59	1460433.14	15.005	1.7	EJE CANAL
7707	350.1613	90.0105	59.348	1059516.28	1460433.54	15.009	1.7	EJE CANAL
7708	350.0047	90.0541	59.368	1059516.44	1460433.33	14.929	1.7	EJE CANAL
7709	354.3453	90.0939	59.572	1059513.2	1460436.8	14.86	1.7	EJE CANAL
7710	354.1901	90.062	59.759	1059513.23	1460436.47	14.917	1.7	EJE CANAL
7711	354.2224	90.0955	59.74	1059513.2	1460436.53	14.855	1.7	EJE CANAL
7712	354.3706	90.0616	59.757	1059513.03	1460436.71	14.918	1.7	EJE CANAL
7713	31.3218	92.3318	8.951	1059550.97	1460473.56	14.628	1.7	EJE CANAL
7714	30.2527	92.5919	9.306	1059550.62	1460473.37	14.542	1.7	EJE CANAL
7715	29.1149	92.3247	9.497	1059550.44	1460473.16	14.605	1.7	EJE CANAL
7716	266.2458	88.5204	32.559	1059559.91	1460473.78	15.312	1.7	D-14 - D-13
7717	2.5945	88.3747	9.609	1059532.21	1460495.14	14.899	1.7	ALCANTARILLA
7718	359.214	88.0149	9.799	1059532.37	1460494.52	15.006	1.7	ALCANTARILLA
7719	359.0625	88.1652	10.588	1059531.74	1460494.04	14.987	1.7	ALCANTARILLA
7720	1.2048	88.5946	10.947	1059531.21	1460494.2	14.861	1.7	ALCANTARILLA
7721	332.5042	88.4739	10.058	1059535.52	1460491.22	14.881	1.7	ALCANTARILLA
7722	336.2356	88.3045	10.19	1059534.91	1460491.43	14.934	1.7	ALCANTARILLA
7723	337.1722	88.3515	11.011	1059534.32	1460490.84	14.94	1.7	ALCANTARILLA
7724	335.015	89.094	11.206	1059534.58	1460490.44	14.833	1.7	ALCANTARILLA
7725	331.0735	88.2728	14.977	1059533.46	1460486.74	15.072	1.7	ESQ-PARAMENTO
7726	51.1415	90.1243	33.229	1059508.98	1460510.36	14.546	1.7	ESQ-PARAMENTO
7727	5.2443	89.4123	18.652	1059523.99	1460491.31	14.77	1.7	ESQ-PARAMENTO
7728	358.595	90.3739	48.3	1059500.47	1460472.96	14.84	1	PARAMENTO
7729	346.2328	90.2107	53.886	1059503.48	1460460.81	14.938	1.1	PARAMENTO
7730	357.061	90.3145	78.343	1059477.03	1460454.06	15.146	0.5	ESQ-PARAMENTO
7731	356.5134	90.4123	85.345	1059471.57	1460449.67	14.842	0.5	ESQ-PARAMENTO
7732	349.4843	89.4349	78.52	1059483.23	1460446.25	15.039	1.7	ESQ-PARAMENTO
7733	351.533	89.5501	84.929	1059476.49	1460444.15	14.793	1.7	INT.VIA
7734	354.2436	89.5514	84.435	1059474.49	1460447.33	14.787	1.7	INT.VIA
7735	354.2406	89.5715	78.507	1059479.13	1460451.01	14.732	1.7	INT.VIA
7736	351.5257	89.5413	79.596	1059480.52	1460447.64	14.803	1.7	INT.VIA
7737	351.121	89.5224	61.156	1059494.9	1460459.21	14.804	1.7	INT.VIA
7738	355.0444	90.0325	54.985	1059497.12	1460466.18	14.615	1.7	INT.VIA
7739	342.5205	89.412	16.321	1059530.06	1460487.42	14.758	1.7	INT.VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7740	356.4027	89.5931	14.271	1059529.02	1460491.49	14.671	1.7	INT.VIA
7741	18.3155	91.2636	10.53	1059530.33	1460497.31	14.404	1.7	EJE CANAL
7742	16.3822	92.4353	11.195	1059529.8	1460496.79	14.136	1.7	EJE CANAL
7743	15.3124	91.3518	11.633	1059529.43	1460496.45	14.347	1.7	EJE CANAL
7744	53.3544	90.5533	24.142	1059517.94	1460508.45	14.279	1.7	EJE CANAL
7745	52.1931	91.4019	24.64	1059517.29	1460508.11	13.95	1.7	EJE CANAL
7746	51.2723	90.383	24.865	1059516.95	1460507.83	14.391	1.7	EJE CANAL
7747	60.2241	90.2238	34.402	1059510	1460515.78	14.442	1.7	ALCANTARILLA
7748	60.0759	90.2005	34.988	1059509.41	1460515.92	14.465	1.7	ALCANTARILLA
7749	58.5328	90.1628	35.153	1059508.92	1460515.31	14.501	1.7	ALCANTARILLA
7750	58.0653	90.2335	34.781	1059509.05	1460514.72	14.43	1.7	ALCANTARILLA
7751	59.1844	91.254	35.131	1059509.06	1460515.53	13.794	1.7	ALCANTARILLA
7752	60.0747	90.2309	39.728	1059505.19	1460518.08	14.402	1.7	ALCANTARILLA
7753	60.2427	90.0636	39.118	1059505.82	1460517.97	14.594	1.7	ALCANTARILLA
7754	61.3956	90.073	38.834	1059506.47	1460518.59	14.584	1.7	ALCANTARILLA
7755	62.3439	90.24	39.447	1059506.24	1460519.43	14.394	1.7	ALCANTARILLA
7756	61.0444	91.2258	39.207	1059505.96	1460518.41	13.723	1.7	ALCANTARILLA
7757	60.5004	90.1607	36.717	1059508.08	1460517.11	14.497	1.7	D-14 - D-15
7758	240.5007	88.4854	36.726	1059540.53	1460499.93	15.024	1.7	D-15 - D14
7759	73.0047	91.3125	12.821	1059498.27	1460525.36	13.923	1.7	EJE CANAL
7760	66.3028	91.2523	12.859	1059497.36	1460524.21	13.945	1.7	VIA
7761	71.1256	93.172	12.832	1059498.02	1460525.04	13.528	1.7	VIA
7762	359.1405	90.1327	15.112	1059495.5	1460508.72	14.205	1.7	VIA
7763	348.0237	89.5022	14.985	1059497.46	1460506.53	14.306	1.7	VIA
7764	351.3056	89.4641	63.986	1059460.1	1460474.76	14.512	1.7	VIA
7765	355.0504	89.4847	64.768	1059456.94	1460477.35	14.476	1.7	VIA
7766	355.0339	89.5255	68.555	1059453.97	1460475.01	14.406	1.7	VIA
7767	351.3308	89.5118	68.483	1059456.7	1460471.82	14.438	1.7	VIA
7768	352.5914	90.1006	98.084	1059432.9	1460454.11	13.977	1.7	VIA
7769	354.5525	90.0721	98.058	1059430.83	1460456.7	14.055	1.7	VIA
7770	355.4343	90.1215	102.797	1059426.22	1460454.93	13.899	1.7	PARAMENTO
7771	350.5815	89.5707	99.888	1059433.82	1460450.3	14.348	1.7	PARAMENTO
7772	349.3746	89.4423	70.802	1059456.56	1460468.53	14.586	1.7	PARAMENTO
7773	357.453	89.4346	70.503	1059450.46	1460476.48	14.597	1.7	PARAMENTO
7774	357.5205	89.3958	63.473	1059456.13	1460480.63	14.634	1.7	PARAMENTO
7775	349.0352	89.2754	63.891	1059462.03	1460472.82	14.861	1.7	PARAMENTO
7776	342.2102	88.5854	28.239	1059490.15	1460495.29	14.766	1.7	PARAMENTO
7777	6.2934	89.2035	18.208	1059491.77	1460509	14.473	1.7	PARAMENTO
7778	47.4215	89.1319	5.189	1059503.06	1460518.43	14.334	1.7	PARAMENTO
7779	67.3	89.1649	23.736	1059488.53	1460530.57	14.362	1.9	PARAMENTO
7780	301.1824	88.3653	2.326	1059508.14	1460514.78	14.32	1.7	EJE CANAL
7781	295.013	96.4744	3.194	1059508.51	1460513.97	13.886	1.7	EJE CANAL
7782	283.5747	88.4712	3.788	1059509.31	1460513.53	14.344	1.7	EJE CANAL
7783	39.0029	90.0835	3.339	1059504.75	1460517.46	14.256	1.7	EJE CANAL
7784	41.0442	96.4721	3.871	1059504.27	1460517.65	13.806	1.7	EJE CANAL
7785	45.0326	89.3006	4.309	1059503.86	1460518.01	14.301	1.7	EJE CANAL
7786	358.4058	90.2303	20.791	1059490.89	1460505.4	14.125	1.7	EJE CANAL
7787	359.0435	90.3643	20.814	1059490.79	1460505.51	14.042	1.7	EJE CANAL
7788	359.4719	90.2057	20.841	1059490.63	1460505.71	14.137	1.7	EJE CANAL
7789	348.3359	90.1528	27.783	1059488.22	1460497.67	14.139	1.7	EJE CANAL
7790	349.56	89.4526	42.871	1059476.73	1460487.86	14.446	1.7	EJE CANAL
7791	350.0623	89.55	42.853	1059476.65	1460487.97	14.326	1.7	EJE CANAL
7792	350.301	89.5549	42.799	1059476.49	1460488.22	14.316	1.7	EJE CANAL
7793	71.4851	90.1606	26.989	1059487.06	1460534.04	14.138	1.7	D-15 - D-16
7794	251.4853	88.4842	26.998	1059508.08	1460517.1	14.498	1.7	D-16 -D-15
7795	267.1946	85.5453	1.114	1059487.71	1460533.14	14.017	1.7	ALCANTARILLA
7796	307.2222	76.5559	0.867	1059487	1460533.2	14.134	1.7	ALCANTARILLA
7797	327.5408	84.1208	1.876	1059486.27	1460532.35	14.127	1.7	ALCANTARILLA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7798	67.0335	89.5618	3.937	1059483.8	1460536.25	13.942	1.7	ALCANTARILLA
7799	58.1835	87.1242	3.439	1059483.96	1460535.51	14.105	1.7	ALCANTARILLA
7800	40.4323	87.4422	3.976	1059483.12	1460534.58	14.095	1.7	ALCANTARILLA
7801	66.3628	91.0257	24.843	1059466.39	1460547.81	13.483	1.7	PARAMENTO
7802	42.0253	90.4338	6.03	1059481.11	1460535	13.861	1.7	PARAMENTO
7803	356.3516	89.3551	58.291	1059440.12	1460499.48	14.348	1.7	PARAMENTO
7804	351.0304	89.3419	57.475	1059444.28	1460495.66	14.368	1.7	PARAMENTO
7805	357.0646	89.2035	56.554	1059441.22	1460500.93	14.587	1.7	PARAMENTO
7806	351.3417	89.402	64.341	1059438.78	1460491.51	14.306	1.7	PARAMENTO
7807	352.1141	89.5729	93.642	1059416.13	1460472.91	14.007	1.7	PARAMENTO
7808	355.2011	89.5715	99.492	1059408.25	1460473.32	14.018	1.7	PARAMENTO
7809	354.4301	89.5852	94.7	1059412.67	1460475.44	13.97	1.7	VIA
7810	352.3658	90.0827	93.793	1059415.56	1460473.34	13.708	1.7	VIA
7811	352.2134	89.3808	63.049	1059439.18	1460493.02	14.339	1.7	VIA
7812	355.1003	89.4245	63.414	1059436.94	1460495.19	14.256	1.7	VIA
7813	356.3225	89.3301	66.094	1059433.87	1460494.81	14.457	1.7	ESQ-PARAMENTO
7814	352.2648	89.3556	58.654	1059442.46	1460495.95	14.349	1.7	VIA
7815	355.4338	89.371	58.679	1059440.34	1460498.55	14.328	1.7	VIA
7816	355.493	89.4912	35.222	1059458.98	1460512.78	14.049	1.7	VIA
7817	351.033	89.5311	35.165	1059460.88	1460510.56	14.008	1.7	VIA
7818	64.181	90.5649	16.193	1059473.23	1460542.47	13.67	1.7	EJE CANAL
7819	66.521	92.235	15.943	1059473.84	1460542.93	13.271	1.7	EJE CANAL
7820	69.1354	90.2448	15.967	1059474.19	1460543.49	13.823	1.7	EJE CANAL
7821	69.5538	90.3136	24.555	1059467.45	1460548.81	13.712	1.7	ALCANTARILLA
7822	69.1554	90.2057	25.213	1059466.75	1460548.97	13.784	1.7	ALCANTARILLA
7823	67.1621	90.2058	25.297	1059466.17	1460548.31	13.784	1.7	ALCANTARILLA
7824	66.4653	90.2706	24.567	1059466.65	1460547.72	13.744	1.7	ALCANTARILLA
7825	69.452	90.3438	30.743	1059462.45	1460552.46	13.628	1.7	ALCANTARILLA
7826	69.0906	90.1955	30.06	1059462.8	1460551.8	13.764	1.7	ALCANTARILLA
7827	67.3408	90.1956	30.002	1059462.37	1460551.09	13.764	1.7	ALCANTARILLA
7828	67.1608	90.2718	30.637	1059461.76	1460551.32	13.695	1.7	ALCANTARILLA
7829	68.0544	91.4613	24.95	1059466.67	1460548.4	13.167	1.7	EJE
7830	69.0409	90.2137	26.309	1059465.81	1460549.55	13.773	1.7	D-16 -D-17
7831	74.3224	90.1329	55.973	1059445.2	1460571.2	13.719	1.7	D-16 - D-18
7832	249.0403	88.4223	26.319	1059487.06	1460534.04	14.121	1.7	D-17 - D16
7833	64.3523	88.21	24.038	1059445.35	1460562.15	13.419	2.5	PARAMENTO
7834	43.3137	89.3144	4.323	1059461.56	1460550.34	13.563	1.7	PARAMENTO
7835	0.3149	88.361	29.441	1059440.96	1460533.77	14.245	1.7	PARAMENTO
7836	349.2413	89.1257	32.34	1059442.37	1460527.27	13.97	1.7	PARAMENTO
7837	349.5237	89.194	51.845	1059427.94	1460514.15	14.135	1.7	PARAMENTO
7838	358.2645	89.0314	50.844	1059423.91	1460520.75	14.367	1.7	PARAMENTO
7839	357.2222	89.1612	57.703	1059418.88	1460515.98	14.262	1.7	PARAMENTO
7840	350.341	89.2117	57.878	1059423.06	1460510.54	14.179	1.7	PARAMENTO
7841	351.5245	89.4449	94.329	1059394.69	1460487.58	13.944	1.7	PARAMENTO
7842	355.2405	89.5319	95.364	1059390.2	1460491.43	13.713	1.7	PARAMENTO
7843	354.2838	89.55	94.786	1059391.6	1460490.58	13.665	1.7	VIA
7844	353.2317	89.5337	94.641	1059392.85	1460489.27	13.703	1.7	VIA
7845	352.1339	89.1802	56.139	1059423.27	1460512.93	14.212	1.7	VIA
7846	355.0834	89.3241	56.177	1059421.43	1460515.11	13.974	1.7	VIA
7847	355.2225	89.215	52.124	1059424.5	1460517.77	14.106	1.7	VIA
7848	352.4731	89.1924	52.02	1059426.05	1460516	14.141	1.7	VIA
7849	348.5503	89.0448	16.86	1059453.69	1460537.83	13.798	1.7	VIA
7850	358.4303	89.1632	16.861	1059451.87	1460540.07	13.74	1.7	VIA
7851	65.1033	90.382	15.911	1059452.35	1460558.03	13.35	1.7	EJE CANAL
7852	66.5623	92.1326	15.923	1059452.62	1460558.44	12.909	1.7	EJE CANAL
7853	69.0737	89.3039	15.869	1059453	1460558.92	13.662	1.7	EJE CANAL
7854	254.3224	89.1619	55.98	1059487.06	1460534.04	14.144	1.7	NIVEL
7855	22.3518	88.1635	7.512	1059437.81	1460569.85	13.658	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7856	15.403	88.5327	7.273	1059438.25	1460569.04	13.573	1.7	NIVEL
7857	6.2107	90.3435	8.751	1059437.37	1460567.28	13.344	1.7	NIVEL
7858	9.5329	89.0536	9.301	1059436.64	1460567.55	13.579	1.7	D-18 - D-16
7859	302.0857	88.3545	6.782	1059445.29	1460564.42	13.598	1.7	ALCANTARILLA
7860	309.043	88.3156	7.149	1059444.44	1460564.09	13.615	1.7	ALCANTARILLA
7861	310.3452	88.3205	7.642	1059444.18	1460563.63	13.627	1.7	ALCANTARILLA
7862	310.2019	89.0402	8.659	1059444.09	1460562.61	13.573	1.7	ALCANTARILLA
7863	13.5331	94.4947	8.188	1059437.49	1460568.53	12.743	1.7	ALCANTARILLA
7864	39.3224	88.5432	13.314	1059431.98	1460572.72	13.686	1.7	ALCANTARILLA
7865	34.5514	93.2514	13.855	1059431.38	1460571.67	12.605	1.7	ALCANTARILLA
7866	31.5909	90.115	13.91	1059431.29	1460570.96	13.384	1.7	ALCANTARILLA
7867	41.4334	90.3353	19.85	1059425.58	1460574.23	13.236	1.7	EJE
7868	43.1311	92.4031	19.502	1059426.03	1460574.67	12.522	1.7	EJE CANAL
7869	45.5207	90.4429	18.947	1059426.73	1460575.43	13.187	1.7	EJE CANAL
7870	58.3258	91.2737	20.169	1059427.02	1460579.91	12.918	1.7	EJE CANAL
7871	55.454	90.3406	21.839	1059425.07	1460579.66	13.215	1.7	EJE CANAL
7872	55.574	92.3925	21.138	1059425.76	1460579.45	12.452	1.7	EJE CANAL
7873	59.4015	90.2105	22.701	1059424.92	1460581.4	13.293	1.7	EJE CANAL
7874	56.0244	90.0452	23.056	1059423.99	1460580.24	13.399	1.7	EJE CANAL
7875	57.3205	90.4243	42.067	1059406.95	1460588.7	12.909	1.7	EJE CANAL
7876	54.2205	90.1105	41.932	1059406.16	1460586.51	13.297	1.7	EJE CANAL
7877	56.0823	91.4446	41.939	1059406.67	1460587.7	12.154	1.7	EJE CANAL
7878	37.5715	90.0812	18.856	1059426.41	1460572.84	13.387	1.7	EJE CANAL
7879	8.1815	88.1845	10.559	1059435.61	1460566.8	13.743	1.7	EJE CANAL
7880	355.2723	88.0841	17.647	1059431.2	1460560.46	14.003	1.7	EJE CANAL
7881	353.5107	88.4353	19.315	1059430.21	1460559.02	13.86	1.7	EJE CANAL
7882	349.4718	89.264	48.12	1059410.1	1460538.28	13.899	1.7	CASA
7883	349.1241	90.0208	71.99	1059393.19	1460521.42	13.388	1.7	CASA
7884	344.0102	89.2822	49.601	1059412.61	1460533.8	13.889	1.7	CASA
7885	344.0018	89.3414	56.732	1059407.94	1460528.42	13.857	1.7	CASA
7886	345.0912	90.0301	72.752	1059396.33	1460517.31	13.769	1.3	CASA
7887	346.5714	90.0448	75.69	1059392.62	1460516.75	13.727	1.3	CASA
7888	348.3734	90.0921	75.532	1059391.16	1460518.42	13.627	1.3	PARAMENTO
7889	348.5354	89.3906	54.846	1059405.78	1460533.06	14.166	1.3	PARAMENTO
7890	345.5511	89.395	55.862	1059407.12	1460530.32	14.16	1.3	PARAMENTO
7891	345.5746	89.2646	50.102	1059411.02	1460534.56	14.317	1.3	VIA
7892	342.5616	89.2132	25.043	1059429.11	1460552.01	14.112	1.3	VIA
7893	350.2313	89.2249	25.252	1059426.6	1460554.12	14.105	1.3	VIA
7894	336.5727	89.11	25.905	1059430.71	1460549.73	14.201	1.3	VIA
7895	162.4646	88.0456	14.736	1059454.63	1460582.51	14.325	1.3	VIA
7896	126.3306	88.1146	16.824	1059446.25	1460587.98	14.362	1.3	VIA
7897	136.5412	88.4002	25.992	1059451.46	1460596.42	14.437	1.3	VIA
7898	89.0029	89.5153	25.403	1059431.01	1460592.27	13.892	1.3	PARAMENTO
7899	66.0509	90.0123	23.129	1059425.83	1460583.84	13.823	1.3	PARAMENTO
7900	65.1544	89.1941	41.218	1059910.57	1460288.24	13.316	2.3	PARAMENTO
7901	83.2156	90.371	209.338	1059410.37	1460593.23	18.682	1.7	PARAMENTO
7902	167.4656	89.5907	138.446	1060141.57	1460225.1	21.18	1.5	CASA
7903	171.47	89.5542	138.721	1060148.39	1460218.23	21.118	1.7	CASA
7904	171.0845	89.554	138.972	1060147.55	1460219.55	21.119	1.7	PARAMENTO
7905	168.3832	89.5703	138.273	1060142.91	1460223.5	21.063	1.7	PARAMENTO
7906	166.4736	89.5627	84.467	1060102.47	1460187.84	21.031	1.7	VIA
7907	170.5331	89.5846	84.666	1060106.82	1460183.63	20.974	1.7	VIA
7908	166.2633	89.553	78.628	1060098.07	1460183.96	21.046	1.7	VIA
7909	165.4819	89.4646	84.825	1060101.65	1460189.1	21.27	1.7	VIA
7910	171.3152	90.0022	86.215	1060108.61	1460183.95	20.934	1.7	VIA
7911	165.4501	89.5056	78.006	1060096.96	1460184.15	21.149	1.7	PARAMENTO
7912	177.1742	89.2628	40.719	1060077.04	1460150.65	21.34	1.7	PARAMENTO
7913	150.1701	89.2805	25.765	1060055.79	1460149.8	21.182	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7914	170.1817	90.0053	37.271	1060071.37	1460152.17	20.933	1.7	PARAMENTO
7915	115.4107	89.1703	9.868	1060042.71	1460136.71	21.066	1.7	PARAMENTO
7916	199.1644	88.5731	10.572	1060054.23	1460129.42	21.135	1.7	VIA
7917	342.4129	89.3832	37.638	1060019.9	1460097.98	21.178	1.7	PARAMENTO
7918	113.0649	90.3311	8.179	1060042.56	1460134.98	20.864	1.7	PARAMENTO
7919	64.0608	90.2952	6.891	1060038.06	1460130.48	20.883	1.7	PARAMENTO
7920	352.2201	90.0451	38.035	1060015.07	1460102.17	20.889	1.7	VIA
7921	1.2055	90.0502	38.302	1060011.34	1460106.85	20.887	1.7	VIA
7922	5.3503	90.0158	40.071	1060008.37	1460108.5	20.92	1.7	VIA
7923	5.4041	90.0256	44.332	1060004.55	1460106.6	20.905	1.7	VIA
7924	0.1147	90.0253	43.423	1060007.44	1460103.42	20.907	1.7	VIA
7925	5.4329	89.3712	36.92	1060011.13	1460110.03	21.188	1.7	VIA
7926	1.4054	89.4544	44.964	1060005.53	1460103.58	21.13	1.7	VIA
7927	357.5606	90.0216	91.997	1059968.61	1460074.13	20.883	1.7	PARAMENTO
7928	347.204	89.452	91.283	1059980.1	1460061.69	21.333	1.7	PARAMENTO
7929	351.4737	89.5902	94.59	1059972.74	1460064.67	20.97	1.7	PARAMENTO
7930	355.2159	90.0346	98.169	1059966.16	1460067.04	20.836	1.7	PARAMENTO
7931	355.1622	90.0453	115.54	1059952.51	1460056.3	20.78	1.7	VIA
7932	352.2	90.0108	115.882	1059955.99	1460051.48	20.906	1.7	VIA
7933	352.5221	90.0246	129.843	1059944.61	1460043.32	20.84	1.7	VIA
7934	352.3128	90.0432	132.022	1059943.46	1460041.31	20.77	1.7	VIA
7935	351.3439	90.0307	134.356	1059943.13	1460038.12	20.822	1.7	VIA
7936	350.581	90.0401	135.026	1059943.58	1460036.6	20.787	1.7	VIA
7937	351.0949	90.0419	139.983	1059939.58	1460033.64	20.768	1.7	VIA
7938	352.1459	90.0432	140.611	1059937.36	1460035.23	20.759	1.7	VIA
7939	353.0002	90.0503	142.391	1059934.8	1460035.49	20.735	1.7	VIA
7940	353.2204	90.0506	145.734	1059931.64	1460034.06	20.728	1.7	VIA
7941	353.2556	90.0502	151.356	1059927.2	1460030.61	20.723	1.7	VIA
7942	355.3939	90.0329	140.288	1059932.35	1460041.93	20.802	1.7	VIA
7943	352.3224	90.0501	161.978	1059920.62	1460021.92	20.708	1.7	VIA
7944	355.5314	90.0226	146.436	1059927.11	1460038.66	20.841	1.7	VIA
7945	356.1628	90.011	149.816	1059923.8	1460037.44	20.894	1.7	VIA
7946	355.2534	89.5936	157.933	1059918.7	1460030.72	20.963	1.7	VIA
7947	175.2537	89.5237	157.954	1060043.98	1460126.93	21.122	1.7	VIA
7948	93.1019	89.4525	6.598	1059915.42	1460036.45	20.809	1.7	D-9 - D-19
7949	46.2402	90.2109	13.623	1059905.45	1460033.89	20.697	1.7	D-19 - D-9
7950	33.1048	90.432	12.448	1059906.25	1460030.77	20.624	1.7	VIA
7951	27.3025	90.1914	43.305	1059875.59	1460026.62	20.539	1.7	VIA
7952	32.4447	90.224	43.461	1059875.24	1460030.57	20.495	1.7	VIA
7953	28.0721	90.1312	72.839	1059846.12	1460024.59	20.502	1.7	VIA
7954	31.1254	90.1645	72.752	1059845.98	1460028.52	20.427	1.7	VIA
7955	34.4005	90.2354	73.173	1059845.56	1460032.92	20.273	1.7	VIA
7956	37.1456	90.295	46.542	1059872.29	1460034.21	20.377	1.7	VIA
7957	87.3734	89.1154	9.189	1059913.39	1460038.22	20.91	1.7	VIA
7958	155.5837	89.3747	13.765	1059926.2	1460042.26	20.87	1.7	PARAMENTO
7959	169.1459	89.2438	22.689	1059935.1	1460046.4	21.014	1.7	PARAMENTO
7960	171.3039	89.2417	34.14	1059944.29	1460053.32	21.136	1.7	PARAMENTO
7961	26.5552	90.2142	71.441	1059847.66	1460023.23	20.33	1.7	PARAMENTO
7962	25.5237	90.5156	67.776	1059851.45	1460022.38	19.757	1.7	PARAMENTO
7963	24.4123	91.0544	67.609	1059851.8	1460021.01	19.489	1.7	PARAMENTO
7964	24.1955	90.2908	67.791	1059851.68	1460020.57	20.207	1.7	EJE CANAL
7965	17.4232	90.3351	19.36	1059900.02	1460025.63	20.59	1.7	EJE CANAL
7966	19.3655	93.553	19.46	1059899.81	1460026.24	19.449	1.7	EJE CANAL
7967	21.3811	91.095	19.899	1059899.19	1460026.82	20.377	1.7	EJE CANAL
7968	22.5906	92.3704	3.769	1059914.99	1460030.07	20.609	1.7	EJE CANAL
7969	12.1317	87.0413	2.178	1059916.67	1460029.95	20.892	1.7	EJE CANAL
7970	7.0524	82.4627	2.033	1059916.89	1460029.84	21.037	1.7	EJE CANAL
7971	350.15	85.4831	3.666	1059916.01	1460028.24	21.049	1.7	ALCANTARILLA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
7972	0.3008	92.0108	4.29	1059915.08	1460028.42	20.63	1.7	ALCANTARILLA
7973	266.0914	91.0757	8.467	1059923.77	1460023.94	20.614	1.7	ALCANTARILLA
7974	265.1701	91.0258	8.061	1059923.63	1460024.34	20.633	1.7	ALCANTARILLA
7975	265.352	90.5459	7.884	1059923.48	1460024.46	20.655	1.7	ALCANTARILLA
7976	250.1604	88.5233	7.508	1059924.67	1460026.17	20.928	1.7	ALCANTARILLA
7977	248.5456	91.202	8.044	1059925.21	1460026	20.593	1.7	ALCANTARILLA
7978	38.5426	88.2445	3.672	1059915.05	1460031.1	20.883	1.7	ALCANTARILLA
7979	39.3314	84.1614	1.621	1059917.1	1460030.91	20.943	1.7	ALCANTARILLA
7980	3.3118	79.2945	0.99	1059917.85	1460030.24	20.961	1.7	ALCANTARILLA
7981	335.1701	83.5126	1.874	1059917.7	1460029.15	20.982	1.7	VIA
7982	287.2947	90.3617	8.236	1059920.89	1460022.79	20.694	1.7	VIA
7983	332.5206	88.2819	7.505	1059914.96	1460024.22	20.981	1.7	VIA
7984	317.541	89.5945	42.174	1059907.82	1459989.98	20.784	1.7	VIA
7985	326.0124	89.4559	42.377	1059902.09	1459991.74	20.954	1.7	VIA
7986	325.1254	89.5317	92.221	1059883.76	1459945.38	20.962	1.7	VIA
7987	321.2706	89.5142	91.81	1059889.57	1459943.66	21.003	1.7	VIA
7988	322.4213	89.5437	169.291	1059861.48	1459871.39	21.048	1.7	VIA
7989	324.4309	89.5207	169.976	1059855.66	1459872.87	21.172	1.7	VIA
7990	324.5025	89.5113	234.474	1059831.28	1459813.15	21.384	1.7	VIA
7991	323.1921	89.5053	234.44	1059837.09	1459810.95	21.406	1.7	VIA
7992	325.2635	89.5052	223.344	1059833.26	1459824.37	21.378	1.7	VIA
7993	322.2307	89.491	225.763	1059843.58	1459817.83	21.495	1.7	VIA
7994	321.3103	89.4215	161.47	1059867.28	1459877.66	21.616	1.7	VIA
7995	325.5356	89.5052	161.326	1059855.8	1459882.17	21.211	1.7	PARAMENTO
7996	326.4457	89.5031	107.251	1059875.42	1459932.59	21.078	1.7	CERCA
7997	320.0001	89.3723	108.628	1059886.85	1459926.87	21.496	1.7	CERCA
7998	314.471	89.4306	53.167	1059907.8	1459978.69	21.043	1.7	PARAMENTO
7999	329.2604	89.5413	57.169	1059893.21	1459979.55	20.877	1.7	PARAMENTO
8000	336.0957	90.1942	57.97	1059886.95	1459982.23	20.549	1.6	CERCA
8001	268.2801	89.4057	10.36	1059924.57	1460022.18	20.838	1.7	CERCA
8002	255.1927	88.4434	11.031	1059926.85	1460023.29	21.023	1.7	PARAMENTO
8003	208.52	89.1442	19.421	1059938.07	1460032.11	21.037	1.7	PARAMENTO
8004	336.4809	90.1606	33.338	1059900.13	1460003.04	20.625	1.7	FIN CERCA
8005	350.5732	89.5217	16.802	1059906.21	1460019.48	20.819	1.7	FIN CERCA
8006	10.2046	90.2126	22.755	1059897.69	1460021.98	20.639	1.7	FIN CERCA
8007	120.3458	87.5447	3.792	1059918.54	1460034.51	20.919	1.7	FIN CERCA
8008	185.3258	89.5351	10.137	1059927.7	1460035.39	20.799	1.7	FIN CERCA
8009	181.3324	89.5844	22.183	1059937.64	1460042.28	20.789	1.7	FIN CERCA
8010	198.0249	90.0253	19.909	1059937.94	1460035.84	20.764	1.7	PZA
8011	18.0255	88.5211	19.913	1059918.7	1460030.72	20.967	1.7	PZA
8012	256.3624	89.0718	16.996	1059950.23	1460024.11	20.835	1.7	PZA
8013	272.4751	88.5528	19.11	1059947.54	1460019.32	20.933	1.7	D-19 D-20
8014	274.0551	89.3704	55.532	1059964.74	1459987.2	20.945	1.7	D-20 - D-19
8015	268.371	89.3236	56.597	1059969.86	1459989.11	21.025	1.7	VIA
8016	270.4634	89.2529	87.711	1059984.64	1459961.6	21.455	1.7	VIA
8017	273.1507	89.2326	88.393	1059981.73	1459959.06	21.515	1.7	VIA
8018	271.4538	89.2825	115.292	1059997.64	1459937.22	21.634	1.7	VIA
8019	270.1833	89.2953	114.694	1059999.8	1459939.27	21.58	1.7	VIA
8020	270.1832	89.2338	93.456	1059988.34	1459957.15	21.563	1.7	VIA
8021	273.2634	89.2324	113.304	1059993.74	1459937.24	21.781	1.7	VIA
8022	275.1715	89.2757	42.118	1059957.49	1459998.54	20.967	1.7	VIA
8023	267.4039	90.0102	52.564	1059968.29	1459992.93	20.558	1.7	PARAMENTO
8024	254.3733	88.4023	17.448	1059950.97	1460024.24	20.978	1.7	PARAMENTO
8025	275.3053	87.4853	13.293	1059944.06	1460024.05	21.081	1.7	PARAMENTO
8026	270.3459	89.2531	148.124	1060017.23	1459910.74	22.061	1.7	PARAMENTO
8027	90.35	90.2431	148.116	1059937.94	1460035.84	20.753	1.7	PARAMENTO
8028	102.1034	89.5706	24.664	1060008.48	1459933.8	21.829	1.7	PARAMENTO
8029	84.5307	90.0406	18.169	1060006.03	1459925.04	21.786	1.7	D-20 - D-21

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
8030	109.1323	89.4621	14.654	1060013.75	1459924.97	21.866	1.7	D-21 - D-20
8031	240.2932	89.0652	23.082	1060037.7	1459900.07	22.165	1.7	PARAMENTO
8032	258.5204	88.4509	14.566	1060027.36	1459900.28	22.125	1.7	PARAMENTO
8033	256.044	89.5003	48.101	1060052.34	1459877.85	21.947	1.7	PARAMENTO
8034	251.0055	89.5751	57.374	1060062.4	1459875.36	21.844	1.7	PARAMENTO
8035	253.3627	90.5057	83.108	1060080.27	1459856.6	20.577	1.7	P.INICIO CERCA
8036	249.3823	90.5309	83.047	1060083.82	1459861.12	20.525	1.7	P.INICIO CERCA
8037	251.0729	91.0739	93.982	1060091.1	1459852.66	19.959	1.7	PARAMENTO
8038	253.1259	91.0823	94.509	1060089.33	1459849.66	19.929	1.7	PARAMENTO
8039	253.075	90.5827	86.331	1060083.18	1459855.04	20.341	1.7	PARAMENTO
8040	251.0536	90.5836	86.047	1060084.9	1459857.6	20.342	1.7	VIA
8041	255.2827	89.5906	61.017	1060062.2	1459869.5	21.824	1.7	VIA
8042	251.5038	89.5906	59.774	1060063.75	1459873.21	21.824	1.7	VIA
8043	242.4741	89.1223	19.463	1060034.11	1459901.05	22.078	1.7	VIA
8044	254.3029	89.0012	17.053	1060029.99	1459899.43	22.105	1.7	VIA
8045	268.4359	91.0121	115.517	1060275.78	1460188.3	18.869	1.7	VIA
8046	174.1322	89.5404	190.606	1060359.53	1460403.05	21.261	1.7	VIA
8047	354.1324	89.5747	190.606	1060210.83	1460283.81	21.151	1.7	VIA
8048	354.155	89.3753	27.29	1060338.23	1460385.99	21.202	1.7	D-5 - D-4
8049	341.2315	89.3536	25.92	1060343.42	1460382.75	21.21	1.7	D-5 - D-22
8050	338.4154	89.1945	13.812	1060351.47	1460391.84	21.188	1.7	D-22 - D-5
8051	2.4533	89.2303	14.626	1060346.89	1460395.7	21.183	1.7	VIA
8052	92.5152	88.5938	7	1060356.03	1460409.11	21.149	1.7	VIA
8053	153.151	88.0707	3.947	1060361.53	1460406.46	21.156	1.7	VIA
8054	152.2206	89.3256	14.97	1060366.89	1460416.09	21.144	1.7	VIA
8055	131.1203	89.3759	17.169	1060362	1460420.04	21.136	1.7	VIA
8056	117.592	90.0104	19.614	1060357.84	1460422.59	21.02	1.7	VIA
8057	118.033	90.0353	23.061	1060357.57	1460426.03	21	1.7	VIA
8058	134.1759	89.3954	20.911	1060363.65	1460423.55	21.148	1.7	VIA
8059	149.1729	89.485	36.186	1060375.59	1460435.48	21.144	1.7	VIA
8060	140.0353	89.524	37.898	1060370.69	1460439.27	21.107	1.7	VIA
8061	142.4508	89.5745	62.347	1060380.66	1460461.71	21.067	1.7	VIA
8062	148.1405	89.5621	63.286	1060386.57	1460460.27	21.094	1.7	VIA
8063	146.2617	90.0018	117.177	1060406.24	1460510.52	21.017	1.7	VIA
8064	143.0805	90.0358	114.688	1060399.11	1460510.69	20.894	1.7	VIA
8065	143.0806	90.0351	118.909	1060400.56	1460514.66	20.894	1.7	VIA
8066	146.5925	90.0237	144.003	1060418.2	1460534.56	20.918	1.7	VIA
8067	145.0041	90.0237	153.284	1060417.11	1460545.11	20.911	1.7	VIA
8068	145.3349	90.0323	173.818	1060426.37	1460563.5	20.857	1.7	VIA
8069	145.342	90.0133	191.815	1060433.32	1460580.11	20.942	1.7	VIA
8070	145.0547	90.0341	171.34	1060424.13	1460561.75	20.844	1.7	VIA
8071	142.2557	89.3123	109.444	1060396.04	1460506.22	21.638	2	VIA
8072	142.5018	89.3304	116.956	1060399.32	1460513.03	21.643	2	PARAMENTO
8073	142.0334	89.5003	83.075	1060386.73	1460481.55	21.267	1.7	PARAMENTO
8074	136.2724	89.2652	40.364	1060368.96	1460442.29	21.415	1.7	PARAMENTO
8075	128.0431	88.5814	22.263	1060361.52	1460425.22	21.426	1.7	PARAMENTO
8076	117.2356	89.2036	23.75	1060357.24	1460426.69	21.298	1.7	PARAMENTO
8077	121.5706	88.2306	14.51	1060359.28	1460417.55	21.435	1.7	P.INICIO CERCA
8078	5.2704	88.3914	18.507	1060343.12	1460394.51	21.461	1.7	PARAMENTO
8079	357.3554	89.0742	32.23	1060333.25	1460384.4	21.516	1.7	P.INICIO CERCA
8080	355.2153	89.1838	44.636	1060324.17	1460375.83	21.563	1.7	PARAMENTO
8081	146.1023	90.0414	196.341	1060436.96	1460583.48	20.787	1.7	PARAMENTO
8082	334.5503	89.1354	22.511	1060347.62	1460383.95	21.328	1.7	PARAMENTO
8083	171.5908	87.2122	5.714	1060363.84	1460406.79	21.29	1.7	PARAMENTO
8084	147.3238	89.5702	119.259	1060409.17	1460511.49	21.13	1.7	D-22 - D-16
8085	154.3029	89.5837	36.358	1060378.56	1460434.03	21.041	1.7	PARAMENTO
8086	149.1212	89.4706	77.785	1060393.94	1460472.81	21.318	1.7	PARAMENTO
8087	145.243	89.5433	61.52	1060383.04	1460459.9	21.124	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
8088	141.5337	89.3019	17.484	1060365.21	1460419.59	21.177	1.7	PARAMENTO
8089	346.36	89.2516	20.056	1060345.69	1460388.54	21.229	1.7	PARAMENTO
8090	127.0359	89.1745	21.721	1060361.09	1460424.71	21.293	1.7	PZA
8091	307.0357	89.3255	21.723	1060359.53	1460403.05	21.274	1.7	PZA
8092	310.1438	84.5801	54.994	1060354.14	1460370.38	20.628	7	PZA
8093	242.0953	91.2545	25.966	1060383.75	1460412.04	20.455	1.7	D-22 - AUX-1
8094	167.1906	86.5917	60.093	1060403.06	1460467.61	18.961	7	D-AUX-1 - D-22
8095	326.1022	89.4845	196.339	1060359.54	1460403.05	21.247	1.7	CULATAS
8096	150.1522	89.4739	45.749	1060457.94	1460624.13	20.766	1.7	CULATAS
9001	230.0357	88.5402	16.106	1061747.12	1459991.55	21.794	1.68	
9002	262.4244	89.0432	22.974	1061746.57	1459978.76	21.856	1.68	
9003	225.0924	89.2343	23.825	1061755.02	1459991.25	21.737	1.68	
9004	15.1553	92.3839	10.151	1061722.07	1459993.22	21.017	1.68	
9005	346.2432	92.5818	13.198	1061722.67	1459986.73	20.801	1.68	
9006	18.1614	92.2222	13.169	1061719.01	1459992.97	20.94	1.68	
9007	25.2115	92.2522	14.115	1061717.76	1459994.44	20.888	1.68	
9008	132.2746	88.0219	8.814	1061733.19	1460004.98	21.787	1.68	
9009	161.1929	86.1642	16.641	1061742.05	1460009.31	22.565	1.68	
9010	135.4541	85.2933	13.07	1061734.63	1460009	22.512	1.68	
9011	132.1925	78.3037	18.676	1061734.72	1460014.35	22.865	4.02	
9012	120.0834	85.2022	16.15	1061730.95	1460012.37	22.797	1.68	
9013	105.5938	86.3638	16.348	1061726.98	1460011.91	22.452	1.68	
9014	109.5917	79.4344	27.045	1061725.77	1460022.23	23.387	4.6	
9015	69.4247	88.4111	37.072	1061702.05	1460018.49	22.335	1.68	
9016	78.0847	90.4355	32.048	1061709.16	1460019.04	22.556	0.2	
9017	83.1141	90.223	35.566	1061709	1460023.64	22.732	0.2	
9018	199.1008	88.1807	36.557	1061767.23	1460004.99	22.568	1.68	
9019	39.2012	91.0315	56.35	1061675.75	1460002.58	20.449	1.68	
9020	47.2657	89.3829	58.565	1061675.04	1460010.97	20.852	2.68	
9021	38.3109	90.4721	62.372	1061669.67	1460002.36	20.626	1.68	
9022	200.4244	88.3205	14.764	1061746.16	1459999.42	21.863	1.68	
9023	187.0949	88.3148	16.12	1061746.25	1460003.3	21.899	1.68	
9024	152.3003	90.3918	7.527	1061735.45	1460002.84	21.399	1.68	
9025	182.3316	90.3002	4.633	1061735.73	1459998.64	21.445	1.68	
9026	54.3203	91.5859	14.591	1061718.18	1460001.66	20.98	1.68	
9027	39.2631	92.2429	13.441	1061718.39	1459997.82	20.92	1.68	
9028	34.1437	91.0926	57.005	1061674.76	1459997.6	20.334	1.68	
9029	41.1249	91.4602	29.626	1061702.43	1460000.56	20.571	1.68	
9030	33.3823	91.4004	29.451	1061702.3	1459996.66	20.628	1.68	
9031	38.2305	91.4509	43.725	1061688.23	1460000.45	20.148	1.68	
9032	59.2027	89.2449	22.424	1061711.65	1460006.27	21.715	1.68	
9033	87.5549	88.5229	12.523	1061724.55	1460006.55	21.731	1.68	
9034	59.2054	89.0422	39.235	1061696.6	1460013.75	22.12	1.68	
9035	69.3215	87.5411	44.316	1061696.18	1460022.7	23.107	1.68	
9036	166.0324	86.5815	18.265	1061744.2	1460009.61	22.45	1.68	
9037	86.5838	88.0339	30.943	1061713.58	1460021.33	22.532	1.68	
9038	162.3408	85.4736	35.162	1061754.1	1460023.3	24.064	1.68	
9039	108.1114	78.4751	37.705	1061722.32	1460032.06	28.81	1.68	
9040	294.3257	89.1551	10.701	1061733.3	1459985.71	21.622	1.68	
9041	272.5326	89.1501	21.998	1061742.75	1459977.26	21.773	1.68	
9042	275.3409	91.5447	35.243	1061747.93	1459965.02	20.309	1.68	
9043	311.5239	93.5509	30.995	1061726.93	1459965.75	19.367	1.68	
9044	328.0657	94.5411	35.768	1061716.57	1459964.05	18.428	1.68	
9045	344.5037	93.3143	44.333	1061702.18	1459963.37	18.757	1.68	
9046	140.3935	77.1932	42.61	1061744.39	1460035.9	30.834	1.68	
9047	23.3805	92.1559	30.701	1061701.46	1459991.34	20.271	1.68	
9048	135.1623	75.3105	65.884	1061745.36	1460058.61	37.961	1.68	
9049	25.2234	92.1003	41.417	1061690.71	1459990.85	19.919	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9050	119.3746	74.5842	64.328	1061728.15	1460058.32	38.158	1.68	
9051	23.5027	92.105	52.281	1061680.15	1459988.04	19.496	1.68	
9052	108.5237	78.2338	38.676	1061722.53	1460033.05	29.266	1.68	
9053	28.5625	92.2022	101.128	1061573.96	1459990.55	16.027	1.68	
9054	27.1114	92.0736	78.469	1061596.74	1459989.74	17.243	1.68	
9055	31.0708	92.1814	101.122	1061573.77	1459994.39	16.09	1.68	
9056	23.4254	92.2812	36.287	1061638.97	1459991.79	18.59	1.68	
9057	31.1945	92.5326	36.029	1061638.79	1459996.59	18.337	1.68	
9058	46.585	95.3508	5.173	1061669.76	1459998.85	19.651	1.68	
9059	30.522	92.1531	81.971	1061592.9	1459994.65	16.924	1.68	
9060	350.2732	93.2341	5.394	1061670.79	1459993.96	19.835	1.68	
9061	320.2544	95.4521	3.913	1061673.59	1459993.88	19.762	1.68	
9062	309.0634	88.0337	2.734	1061674.46	1459994.88	20.247	1.68	
9063	282.1402	84.4522	2.864	1061675.77	1459994.93	20.416	1.68	
9064	271.2505	88.1359	3.99	1061676.84	1459994.2	20.277	1.68	
9065	156.0122	98.4126	3.152	1061676.46	1460000.21	19.678	1.68	
9066	149.5618	82.0134	3.145	1061676.17	1460000.37	20.59	1.68	
9067	104.2917	85.3946	1.689	1061674.22	1459999.19	20.282	1.68	
9068	88.1819	86.3714	2.712	1061673.22	1459999.82	20.314	1.68	
9069	24.2445	92.1457	49.738	1061625.61	1459990.23	18.202	1.68	
9070	26.224	92.0555	93.15	1061582.28	1459986.96	16.743	1.68	
9071	223.4355	87.5448	10.141	1061529.08	1459990.78	14.492	1.68	
9072	194.4739	89.0522	11.47	1061530.03	1459996.25	14.305	1.68	
9073	64.3503	90.5353	23.881	1061498.8	1460005.21	13.749	1.68	
9074	76.2136	90.5312	22.601	1061502.71	1460008.22	13.773	1.68	
9075	75.205	90.4134	28.895	1061497.79	1460012.17	13.774	1.68	
9076	66.0757	90.4729	29.969	1061494.05	1460009.09	13.709	1.68	
9077	68.3446	89.4326	104.857	1061433.91	1460053.78	14.629	1.68	
9078	71.2703	89.101	82.42	1061454.64	1460044	15.318	1.68	
9079	66.051	89.1612	103.767	1061432.26	1460049.42	15.446	1.68	
9080	67.1338	89.1458	80.151	1061452.91	1460037.83	15.173	1.68	
9081	71.5418	89.0749	80.259	1061456.73	1460043.15	15.342	1.68	
9082	67.5648	89.1208	79.327	1061454.16	1460038.19	15.228	1.68	
9083	72.0636	89.0518	78.847	1061458.01	1460042.48	15.378	1.68	
9084	68.1052	89.0443	77.795	1061455.6	1460037.57	15.374	1.68	
9085	72.4757	88.5837	78.259	1061459.07	1460042.83	15.521	1.68	
9086	67.355	89.0141	76.625	1061456.11	1460036.25	15.423	1.68	
9087	72.0326	89.1014	72.815	1061462.64	1460038.62	15.178	1.68	
9088	68.0445	89.1556	72.69	1061459.69	1460034.52	15.055	1.68	
9089	72.0431	90.124	43.536	1061485.36	1460020.16	13.963	1.68	
9090	66.2641	90.1518	43.854	1061482.56	1460016.89	13.928	1.68	
9091	59.2346	88.1144	66.64	1061459.5	1460022.36	15.222	2.68	
9092	58.5548	88.0421	73.238	1061453.34	1460024.76	15.387	2.88	
9093	65.0007	89.0212	84.733	1061447.33	1460037.66	15.548	1.68	
9094	310.1745	89.1859	18.762	1061453.79	1460024.62	15.405	1.68	
9095	324.0117	90.5835	67.959	1061431.75	1459979.82	14.023	1.68	
9096	331.0003	90.533	68.084	1061424.16	1459983.15	14.122	1.68	
9097	348.0904	89.4428	9.626	1061449.36	1460036.44	15.225	1.68	
9098	67.3443	88.3843	14.281	1061413.79	1459983.83	13.639	1.68	
9099	25.1501	103.2718	24.117	1061402.3	1459972.57	7.689	1.68	
9100	334.3754	92.5812	49.189	1061399.73	1459933.91	7.333	5.1	
9101	334.2059	94.3206	22.874	1061413.66	1459956.25	11.493	1.68	
9102	18.4619	99.3751	26.348	1061400.35	1459969.35	8.893	1.68	
9103	30.4447	100.1047	34.522	1061391.59	1459974.41	7.2	1.68	
9104	333.3202	105.1837	15.992	1061417.69	1459962.43	9.078	1.68	
9105	30.0256	97.5139	45.28	1061380.74	1459973.45	7.108	1.68	
9106	354.4903	92.1349	38.299	1061395.43	1459952.09	6.891	6.6	
9107	144.4838	88.3231	67.17	1061450.56	1460038.02	10.091	6.6	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9108	148.1126	88.3021	66.833	1061454.04	1460036.14	10.124	6.6	
9109	144.3031	87.5826	59.796	1061447.51	1460031.28	10.495	6.6	
9110	144.2629	87.5824	49.575	1061443.7	1460021.81	10.134	6.6	
9111	148.211	88.0901	59.458	1061451.05	1460029.39	15.221	1.68	
9112	131.1907	85.5635	16.477	1061427.94	1459991.97	14.467	1.68	
9113	148.1047	87.561	38.172	1061441.81	1460010.21	14.676	1.68	
9114	147.5038	86.5032	14.905	1061431.81	1459989.21	14.122	1.68	
9115	132.0809	84.4857	2.807	1061278.68	1460128.48	12.438	1.68	
9116	50.4612	88.5102	6.23	1061272.3	1460127.63	12.309	1.68	
9117	86.0759	87.5155	7.829	1061273.55	1460131.98	12.476	1.68	
9118	51.3143	86.2	4.733	1061273.76	1460127.23	12.487	1.68	
9119	92.4056	87.475	6.916	1061274.75	1460131.69	12.45	1.68	
9120	173.1805	87.1508	6.314	1061283.09	1460129.74	12.487	1.68	
9121	227.2124	83.562	2.771	1061280.9	1460125.03	12.477	1.68	
9122	225.0705	88.5416	25.745	1061303.39	1460120.29	12.676	1.68	
9123	236.1924	88.5246	24.971	1061301.15	1460115.81	12.672	1.68	
9124	231.3833	89.0657	44.559	1061320.43	1460111.43	12.872	1.68	
9125	237.3049	89.0154	44.072	1061318.31	1460107.39	12.929	1.68	
9126	234.4625	89.0426	65.273	1061338.81	1460101.44	13.239	1.68	
9127	238.3647	88.5259	65.045	1061336.84	1460097.54	13.452	1.68	
9128	236.3834	88.574	86.473	1061357.4	1460090.96	13.752	1.68	
9129	239.1227	88.5802	87.59	1061356.76	1460086.96	13.763	1.68	
9130	237.095	89.0541	108.153	1061376.85	1460081.34	13.894	1.68	
9131	238.5809	89.0534	108.837	1061376.01	1460077.96	13.908	1.68	
9132	237.2216	89.12	130.259	1061396.81	1460071.84	14.004	1.68	
9133	238.4952	89.1018	130.849	1061395.93	1460068.58	14.077	1.68	
9134	237.4409	89.1329	152.299	1061416.47	1460061.84	14.247	1.68	
9135	239.0411	89.1246	153.376	1061415.92	1460058.17	14.293	1.68	
9136	237.4746	89.0937	175.07	1061437.06	1460052.13	14.752	1.68	
9137	239.1151	89.0819	177.655	1061437.53	1460047.12	14.857	1.68	
9138	237.4822	89.0619	196.241	1061456.25	1460043.2	15.251	1.68	
9139	239.0542	89.0718	195.843	1061454	1460039.39	15.189	1.68	
9140	238.3156	89.0513	189.139	1061448.79	1460044.02	15.201	1.68	
9141	318.0032	92.3911	17.373	1061273.72	1460108.96	11.38	1.68	
9142	278.1029	91.3829	24.372	1061288.44	1460103.6	11.486	1.68	
9143	292.5809	93.1404	44.488	1061285.92	1460081.97	6.254	5.1	
9144	312.1419	92.3758	44.256	1061271.09	1460082.09	6.831	5	
9145	291.4825	92.3127	62.993	1061290.38	1460063.97	6.09	5	
9146	278.1922	91.5031	24.585	1061288.47	1460103.38	11.394	1.68	
9147	241.1459	88.1036	18.427	1061294.45	1460116.98	12.77	1.68	
9148	257.3657	87.4035	14.288	1061353.88	1460083.79	14.094	1.68	
9149	304.3713	89.4512	27.958	1061342.91	1460065.88	13.635	1.68	
9150	325.3043	91.1726	24.328	1061334.39	1460071.37	12.967	1.68	
9151	330.4147	100.2348	22.799	1061333.28	1460073.99	9.401	1.68	
9152	283.4954	86.3419	7.498	1061346.18	1460086.76	13.963	1.68	
9153	301.3142	98.5543	5.16	1061343.85	1460088.73	12.714	1.68	
9154	261.5911	93.1754	2.492	1061345.36	1460091.95	13.372	1.68	
9155	326.5642	100.4023	0.824	1061343.4	1460093.09	13.362	1.68	
9156	332.5434	105.232	10.181	1061338.82	1460085.33	10.813	1.68	
9157	323.2136	105.2006	10.426	1061340.22	1460084.41	10.758	1.68	
9158	333.2759	102.0025	20.496	1061333.54	1460076.56	9.251	1.68	
9159	328.4829	101.5611	20.777	1061334.86	1460075.54	9.218	1.68	
9160	250.2613	81.3713	1.963	1061345.27	1460092.65	13.801	1.68	
9161	162.1146	88.0334	5.489	1061347.2	1460098.08	13.701	1.68	
9162	174.3223	88.1437	5.74	1061348.23	1460097.39	13.691	1.68	
9163	40.0156	103.5826	18.264	1061322.42	1460064.39	8.481	1.68	
9164	359.0553	103.1407	6.006	1061335.15	1460058.94	11.516	1.68	
9165	336.0038	108.5345	14.28	1061332.63	1460050.88	8.266	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9166	333.5552	105.3623	27.013	1061326.61	1460039.9	5.624	1.68	
9167	28.1757	95.0731	39.354	1061300.94	1460059.03	5.955	5.1	
9168	11.3023	94.3012	41.195	1061301.78	1460047.19	6.237	5.1	
9169	332.0401	94.2435	47.111	1061317.14	1460021.17	5.849	5.1	
9170	3.151	93.4519	51.496	1061295.36	1460036.75	6.099	5.1	
9171	300.322	93.1334	57.937	1061342.43	1460004.4	6.211	5.1	
9172	299.2007	94.5656	43.202	1061342.71	1460019.24	5.744	5.1	
9173	274.4128	89.4543	48.099	1061362.77	1460019.83	9.671	5.1	
9174	297.0204	95.3654	34.981	1061343.58	1460027.57	6.048	5.1	
9175	270.0946	88.5721	49.784	1061366.95	1460020.35	10.379	5.1	
9176	265.0407	88.5702	24.818	1061355.24	1460042.61	13.346	1.68	
9177	264.2418	89.5146	41.838	1061366.07	1460029.47	12.991	1.68	
9178	234.2909	87.1539	22.085	1061360.52	1460054.1	13.946	1.68	
9179	246.0425	88.0237	41.615	1061374.83	1460039.46	14.312	1.68	
9180	291.1253	85.2831	3.557	1061190.33	1460140.18	11.628	1.68	
9181	263.3753	87.0636	7.904	1061194.61	1460137.54	11.746	1.68	
9182	272.4634	86.2621	6.779	1061193.01	1460137.8	11.768	1.68	
9183	228.4119	86.1044	6.327	1061195.69	1460141.94	11.769	1.68	
9184	231.3633	85.3335	4.936	1061194.27	1460142.08	11.729	1.68	
9185	225.2857	89.29	77.596	1061265.35	1460126.8	12.047	1.68	
9186	304.3106	86.293	43.794	1061188.4	1460099.96	10.607	5.1	
9187	231.4458	89.3008	34.026	1061221.82	1460132.68	11.643	1.68	
9188	253.0718	91.3242	36.034	1061217.13	1460120.41	10.376	1.68	
9189	339.5232	92.2041	18.386	1061178.57	1460128.97	10.595	1.68	
9190	10.5007	91.4131	14.908	1061175.8	1460138.04	10.907	1.68	
9191	259.1215	90.4809	49.064	1061223.52	1460108.2	10.66	1.68	
9192	290.3043	90.3947	67.971	1061204.23	1460077.28	10.561	1.68	
9193	285.412	90.4726	76.812	1061212.38	1460070.3	10.288	1.68	
9194	10.5631	91.2243	11.905	1061178.58	1460139.19	11.061	1.68	
9195	296.4433	90.3227	64.605	1061196.58	1460079.43	10.737	1.68	
9196	321.5455	91.5226	24.33	1061181.7	1460120.66	10.551	1.68	
9197	296.4605	90.3814	56.418	1061195.67	1460087.56	10.72	1.68	
9198	315.0022	91.2521	31.234	1061183.08	1460113.12	10.572	1.68	
9199	300.1958	90.5453	41.151	1061191.48	1460102.55	10.69	1.68	
9200	300.5704	90.4031	49.554	1061191.33	1460094.13	10.763	1.68	
9201	310.0733	91.3454	30.244	1061185.83	1460113.66	10.512	1.68	
9202	326.0914	92.4632	17.609	1061182.68	1460127.49	10.494	1.68	
9203	5.3112	91.5336	11.45	1061179.45	1460138.38	10.969	1.68	
9204	15.0613	91.1938	14.861	1061175.47	1460139.1	11.003	1.68	
9205	219.2139	89.1441	76.088	1061265.21	1460135.14	12.35	1.68	
9206	224.4928	89.3243	76.082	1061264.06	1460127.98	11.951	1.68	
9207	219.4439	89.1307	51.422	1061240.67	1460137.56	12.049	1.68	
9208	226.4339	89.2917	51.223	1061239.35	1460131.44	11.805	1.68	
9209	221.4001	88.4417	16.927	1061206.34	1460141.08	11.72	1.68	
9210	235.4829	88.591	17.727	1061205.94	1460136.76	11.661	1.68	
9211	37.1109	90.533	16.672	1061172.99	1460144.89	11.088	1.68	
9212	20.0604	91.0137	18.265	1061171.8	1460139.59	11.02	1.68	
9213	39.1157	90.5013	44.637	1061145.24	1460148.52	10.695	1.68	
9214	30.5758	90.502	44.95	1061144.69	1460142.11	10.689	1.68	
9215	39.2353	90.3939	83.632	1061106.52	1460153.06	10.383	1.68	
9216	35.545	90.4258	84.337	1061105.39	1460148.03	10.293	1.68	
9217	40.17	90.3609	105.74	1061084.74	1460157.17	10.236	1.68	
9218	36.5904	90.3931	106.42	1061083.46	1460151.16	10.124	1.68	
9219	294.1916	92.5207	8.887	1061190.94	1460134.88	10.902	1.68	
9220	246.2921	92.0504	20.711	1061206.86	1460132.21	10.594	1.68	
9221	295.2932	90.5616	38.402	1061194.59	1460105.58	10.719	1.68	
9222	317.3044	90.1202	74.169	1061170.95	1460071.87	11.088	1.68	
9223	260.1607	90.5004	47.57	1061221.85	1460108.68	10.654	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9224	300.1437	90.321	76.096	1061193.19	1460067.64	10.635	1.68	
9225	265.4629	91.192	76.74	1061235.95	1460082.51	9.577	1.68	
9226	235.5642	87.3144	5.145	1061072.85	1460151.7	10.133	1.68	
9227	312.3526	89.5551	46.133	1061060.38	1460108.23	9.967	1.68	
9228	21.1316	85.4935	1.516	1061066.64	1460153.4	10.021	1.68	
9229	314.0516	90.0034	53.699	1061057.73	1460101.02	9.902	1.68	
9230	323.321	89.5622	45.77	1061052.01	1460110.86	9.959	1.68	
9231	320.4029	90.0214	58.808	1061050.2	1460097.69	9.873	1.68	
9232	315.4941	89.4701	145.288	1061035.7	1460012.08	10.461	1.68	
9233	317.1916	89.444	144.962	1061032.1	1460013.29	10.559	1.68	
9234	317.5037	89.5124	132.62	1061034	1460025.55	10.244	1.68	
9235	315.3633	89.4957	131.316	1061039.31	1460025.59	10.296	1.68	
9236	317.13	89.5143	130.496	1061035.93	1460027.24	10.227	1.68	
9237	315.091	89.5657	101.92	1061046.55	1460054.09	10.002	1.68	
9238	316.4044	89.5656	102.121	1061043.86	1460054.51	10.003	1.68	
9239	314.4003	89.5817	72.598	1061053.36	1460082.62	9.948	1.68	
9240	318.051	89.5812	72.83	1061049.08	1460083.41	9.95	1.68	
9241	314.4026	89.5247	52.494	1061057.44	1460102.31	10.021	1.68	
9242	319.4448	89.5312	53.612	1061052.61	1460102.38	10.017	1.68	
9243	313.4851	90.0027	46.254	1061059.39	1460108.28	9.905	1.68	
9244	320.4015	90.0428	47.195	1061053.74	1460108.75	9.85	1.68	
9245	310.3637	90.01	25.217	1061064.75	1460128.71	9.904	1.68	
9246	320.535	89.3557	25.174	1061060.35	1460129.76	10.087	1.68	
9247	226.3333	88.5754	4.575	1061072.56	1460152.63	9.994	1.68	
9248	75.435	85.1413	1.032	1061067.36	1460154.4	9.997	1.68	
9249	172.2908	86.3446	4.502	1061071.54	1460156.62	10.18	1.68	
9250	315.3505	89.4956	57.703	1061055.48	1460097.4	10.08	1.68	
9251	316.4024	89.4614	142.178	1061034.36	1460015.59	10.482	1.68	
9252	53.4847	90.0016	28.792	1061041.21	1460163.97	9.909	1.68	
9253	55.5832	90.2517	43.995	1061027.63	1460170.92	9.588	1.68	
9254	56.2856	90.2321	48.468	1061023.68	1460173.07	9.582	1.68	
9255	199.5233	88.5242	15.561	1061083.27	1460157.22	10.216	1.68	
9256	221.3237	89.0654	14.358	1061082.31	1460151.56	10.133	1.68	
9257	74.0208	90.0107	18.131	1061054.45	1460165.62	9.905	1.68	
9258	64.0325	89.461	5.018	1061063.82	1460156.3	9.931	1.68	
9259	74.0602	90.0646	18.114	1061054.48	1460165.63	9.875	1.68	
9260	58.0152	90.2055	27.022	1061043.64	1460165.17	9.747	1.68	
9261	64.5848	90.2739	46.428	1061028.76	1460178.34	9.538	1.68	
9262	59.1412	90.2742	46.613	1061026.33	1460174.36	9.536	1.68	
9263	65.0441	90.2735	46.431	1061028.8	1460178.41	9.539	1.68	
9264	65.2141	90.2732	74.631	1061005.12	1460193.72	9.314	1.68	
9265	61.4447	90.3019	75.55	1061001.92	1460190.11	9.245	1.68	
9266	66.5146	90.4337	91.639	1060992.08	1460204.85	9.029	1.4	
9267	63.3806	90.2837	92.401	1060988.67	1460200.88	9.142	1.68	
9268	66.0434	90.2704	115.689	1060971.25	1460216.95	9.001	1.68	
9269	62.0837	90.2714	45.074	1061028.77	1460175.7	9.554	1.68	
9270	73.3435	90.1245	124.035	1060933.81	1460253.62	9.072	1.68	
9271	73.0402	90.1704	104.124	1060948.32	1460239.95	9.015	1.68	
9272	75.532	90.21	79.038	1060970.08	1460226.69	9.049	1.68	
9273	72.0622	90.2258	85.229	1060961.86	1460226.67	8.962	1.68	
9274	70.5421	90.2251	85.893	1060960.22	1460225.68	8.961	1.68	
9275	71.0354	90.2252	80.731	1060964.43	1460222.68	8.995	1.68	
9276	72.0312	90.2704	81.127	1060964.99	1460224.02	8.893	1.68	
9277	73.2723	90.2055	81.487	1060965.99	1460225.78	9.036	1.68	
9278	69.4646	90.2901	61.879	1060978.41	1460209.94	9.009	1.68	
9279	75.1409	90.194	61.083	1060982.75	1460213.95	9.182	1.68	
9280	68.0708	90.2752	43.223	1060992.6	1460197.74	9.181	1.68	
9281	75.0759	90.2314	41.594	1060997.12	1460200.77	9.25	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9282	64.3908	90.1956	24.648	1061006.96	1460185.8	9.388	1.68	
9283	78.0016	90.1932	23.89	1061011.06	1460189.75	9.395	1.68	
9284	66.0253	89.5131	3.679	1061024.85	1460174.85	9.54	1.68	
9285	124.1256	89.3455	6.224	1061028.07	1460179.06	9.576	1.68	
9286	229.3506	89.154	32.783	1061059.34	1460163.45	9.954	1.68	
9287	238.1319	89.2053	32.58	1061057.39	1460158.92	9.902	1.68	
9288	336.5437	90.0801	46.525	1061001.93	1460134.25	9.423	1.68	
9289	342.4852	89.5627	47.926	1060997.2	1460136.06	9.581	1.68	
9290	336.3519	89.5508	58.407	1060995.57	1460124.22	9.614	1.68	
9291	342.1545	89.5512	57.316	1060991.61	1460128.5	9.611	1.68	
9292	338.4041	89.4825	88.337	1060976.33	1460101.14	9.829	1.68	
9293	340.4444	89.4815	80.729	1060978.44	1460109.06	9.807	1.68	
9294	340.1627	89.5618	117.963	1060956.39	1460079.05	9.659	1.68	
9295	340.4624	89.5916	121.659	1060953.3	1460076.76	9.558	1.68	
9296	340.1547	89.4934	107.277	1060962.88	1460087.53	9.857	1.68	
9297	340.4456	89.4332	98.701	1060967.42	1460094.86	10.005	1.68	
9298	339.0608	89.4806	90.663	1060974.43	1460099.64	9.845	1.68	
9299	340.0928	89.4801	75.643	1060982.17	1460112.6	9.795	1.68	
9300	338.1611	89.4813	75.542	1060984.24	1460111.21	9.79	1.68	
9301	341.4542	90.0346	54.433	1060993.8	1460130.43	9.472	1.68	
9302	341.1758	89.52	49.407	1060997.27	1460134.1	9.646	1.68	
9303	336.2725	89.5628	54.052	1060998.08	1460127.78	9.587	1.68	
9304	336.3627	89.4123	48.939	1061000.8	1460132.11	9.796	1.68	
9305	338.4119	89.4956	55.416	1060995.55	1460127.86	9.694	1.68	
9306	337.1356	90.0628	45.326	1061002.39	1460135.39	9.446	1.68	
9307	341.0731	90.0611	45.299	1060999.92	1460137.23	9.45	1.68	
9308	63.5327	88.5426	3.534	1061024.9	1460174.66	9.598	1.68	
9309	330.3553	88.4818	2.176	1061026.92	1460170.91	9.576	1.68	
9310	354.4851	90.3347	37.912	1060902.16	1460232.83	8.646	1.68	
9311	346.2859	90.2903	36.958	1060906.52	1460229.45	8.706	1.68	
9312	276.2956	87.3137	3.411	1060933.5	1460253.18	9.165	1.68	
9313	39.2015	84.2552	1.601	1060930.4	1460256.41	9.173	1.68	
9314	16.4228	83.1416	1.28	1060930.76	1460255.88	9.169	1.68	
9315	286.3748	87.5458	3.062	1060932.84	1460253.3	9.129	1.68	
9316	354.1202	90.424	39.166	1060901.43	1460231.73	8.532	1.68	
9317	347.4503	90.424	39.264	1060904.31	1460228.38	8.531	1.68	
9318	351.0117	90.3831	41.578	1060901.04	1460228.46	8.552	1.68	
9319	187.1935	88.5009	3.801	1060935.41	1460257.88	9.095	1.68	
9320	161.2613	88.4248	5.196	1060935.22	1460260.3	9.135	1.68	
9321	242.5319	90.0255	21.315	1060950.45	1460245.59	9	1.68	
9322	250.3549	90.0247	42.147	1060965.35	1460230.49	8.984	1.68	
9323	90.3339	90.1612	26.689	1060917.69	1460278.78	8.892	1.68	
9324	79.0438	89.5536	26.471	1060913.64	1460275.32	9.052	1.68	
9325	84.2546	90.073	51.31	1060900.04	1460296.39	8.906	1.68	
9326	78.51	90.0856	51.305	1060896.29	1460293.09	8.885	1.68	
9327	82.2528	90.12	77.547	1060881.61	1460315.19	8.748	1.68	
9328	78.3326	90.1441	77.616	1060877.7	1460311.71	8.687	1.68	
9329	81.5131	90.1658	103.881	1060863.72	1460334.54	8.506	1.68	
9330	78.351	90.2026	103.576	1060859.58	1460330.3	8.403	1.68	
9331	79.1223	90.2214	106.562	1060858.32	1460333.24	8.329	1.68	
9332	82.3837	90.1605	104.626	1060864.32	1460336.04	8.53	1.68	
9333	77.5651	90.22	104.792	1060857.9	1460330.35	8.348	1.68	
9334	78.0136	90.2447	109.694	1060854.54	1460333.92	8.228	1.68	
9335	91.5353	90.1633	26.848	1060918.14	1460279.24	8.889	1.68	
9336	89.3901	90.1636	31.337	1060914.78	1460282.43	8.867	1.68	
9337	91.3553	90.162	28.051	1060917.39	1460280.19	8.885	1.68	
9338	90.0937	90.1642	31.098	1060915.15	1460282.38	8.867	1.68	
9339	94.2745	90.2505	29.463	1060917.94	1460282.13	8.803	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9340	94.1807	90.2504	31.651	1060916.81	1460284.01	8.787	1.68	
9341	285.1731	91.4747	20.356	1060908.27	1460211.08	7.834	1.68	
9342	273.5441	90.1419	42.13	1060922.54	1460193.63	8.297	1.68	
9343	265.1146	90.0614	41.877	1060927.73	1460197.35	8.396	1.68	
9344	24.1	90.5812	5.458	1060896.71	1460229.63	8.38	1.68	
9345	78.3736	90.1129	33.166	1060878.93	1460254.2	8.361	1.68	
9346	81.4941	89.55	58.017	1060863.96	1460274.18	8.557	1.68	
9347	80.403	90.2058	78.283	1060849.46	1460288.4	7.995	1.68	
9348	83.1042	90.2057	78.957	1060851.6	1460291.16	7.991	1.68	
9349	85.1237	89.4341	58.166	1060866.51	1460276.47	8.748	1.68	
9350	85.1617	90.0733	31.831	1060882.65	1460255.66	8.402	1.68	
9351	85.3454	89.5345	1.777	1060901.02	1460231.88	8.475	1.68	
9352	285.0727	91.455	20.173	1060908.27	1460211.27	7.851	1.68	
9353	264.3012	90.1254	36.945	1060925.07	1460201.53	8.334	1.68	
9354	268.3745	88.2107	3.027	1060903.81	1460227.97	8.559	1.68	
9355	356.5933	89.1147	28.764	1060894.42	1460181.14	8.592	1.68	
9356	212.4722	88.0517	7.665	1060925.36	1460198.04	8.444	1.68	
9357	226.3812	88.243	10.141	1060927.55	1460195.62	8.47	1.68	
9358	193.5958	88.4007	3.575	1060921.08	1460199.18	8.271	1.68	
9359	230.3824	87.4235	8.251	1060925.56	1460195.52	8.518	1.68	
9360	193.1105	86.4813	4.049	1060921.51	1460199.39	8.414	1.68	
9361	177.1201	88.4251	6.841	1060923.25	1460202.02	8.342	1.68	
9362	248.1422	88.2135	7.397	1060923.74	1460193.75	8.4	1.68	
9363	148.3755	89.1434	4.738	1060919.76	1460202.29	8.251	1.68	
9364	102.0625	90.2953	9.323	1060914.39	1460206.74	8.107	1.68	
9365	141.0613	89.2117	3.748	1060918.87	1460201.58	8.23	1.68	
9366	97.231	90.355	8.691	1060913.95	1460205.86	8.097	1.68	
9367	16.0236	89.1423	12.909	1060905.35	1460194.27	8.359	1.68	
9368	341.0525	89.1347	25.318	1060902.06	1460178.12	8.528	1.68	
9369	251.5959	88.5745	11.795	1060926.86	1460190.59	8.402	1.68	
9370	235.4744	88.5036	12.809	1060929.5	1460193.05	8.447	1.68	
9371	252.3401	89.2454	33.419	1060943.44	1460176.71	8.529	1.68	
9372	254.1544	89.141	48.706	1060954.28	1460165.86	8.837	1.68	
9373	259.1436	87.4615	32.224	1060939.95	1460174.74	8.572	2.55	
9374	259.315	87.5535	52.817	1060953.97	1460159.68	9.079	2.7	
9375	254.0721	89.2307	71.612	1060971.59	1460150.87	8.957	1.68	
9376	257.4339	88.2103	72.24	1060968.95	1460147.15	9.067	2.88	
9377	253.1213	89.144	100.973	1060994.74	1460132.77	9.52	1.68	
9378	254.1938	89.1556	101.397	1060993.77	1460130.99	9.489	1.68	
9379	140.3757	91.142	33.358	1060907.43	1460204.87	7.624	1.68	
9380	141.103	91.2329	32.808	1060907.56	1460204.25	7.548	1.68	
9381	102.1816	91.1513	23.088	1060889.16	1460194.7	7.84	1.68	
9382	274.4342	89.2917	116.032	1060952.14	1460070.85	9.382	1.68	
9383	273.3709	89.1528	123.341	1060957.68	1460065.56	9.944	1.68	
9384	272.5321	89.05	108.111	1060951.42	1460079.53	10.075	1.68	
9385	191.0915	88.5808	3.836	1060900.86	1460174.52	8.414	1.68	
9386	275.3007	89.0913	91.125	1060939.27	1460092.23	9.692	1.68	
9387	268.2648	88.4011	21.043	1060909.21	1460155.76	8.834	1.68	
9388	275.3323	89.0613	69.76	1060929.37	1460111.16	9.437	1.68	
9389	272.0056	88.58	39.917	1060917.8	1460138.86	9.065	1.68	
9390	278.0953	88.5907	38.496	1060913.42	1460138.15	9.027	1.68	
9391	272.2325	89.0415	59.306	1060927.43	1460122.03	9.307	1.68	
9392	272.5111	89.0533	77.661	1060936.22	1460105.9	9.576	1.68	
9393	292.4619	88.0418	6.018	1060898.36	1460167.18	8.548	1.68	
9394	94.0524	92.1921	20.59	1060887.37	1460191.11	7.511	1.68	
9395	272.4726	88.54	96.293	1060945.64	1460089.84	9.274	2.6	
9396	93.0539	89.5651	62.851	1060924.31	1460122.34	9.409	1.68	
9397	250.2704	86.1733	14.755	1060967.27	1460058.85	10.305	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9398	116.5319	87.4729	17.233	1060953.78	1460084.94	10.015	1.68	
9399	132.2127	87.32	13.381	1060957.78	1460081.01	9.927	1.68	
9400	256.1456	88.3451	44.093	1060987.66	1460037.58	10.443	1.68	
9401	242.5859	88.1126	29.084	1060980.75	1460053.26	10.269	1.68	
9402	120.01	88.1439	12.767	1060954.94	1460080.56	9.742	1.68	
9403	233.5628	86.4938	13.778	1060968.43	1460062.89	10.114	1.68	
9404	246.3146	88.411	34.981	1060984.72	1460048.47	10.153	1.68	
9405	245.5247	90.3054	55.723	1061002.35	1460037.52	10.43	0.1	
9406	244.4308	90.1851	75.814	1061020.03	1460027.89	10.516	0.1	
9407	343.1815	92.0642	90.64	1060896.92	1459998.81	6.012	1.68	
9408	249.0635	89.0751	76.06	1061016.98	1460022.93	10.505	1.68	
9409	247.5527	89.0747	90.681	1061029.87	1460015.83	10.729	1.68	
9410	257.5907	86.0922	11.343	1060963.59	1460059.81	10.111	1.68	
9411	256.2806	88.2221	32.572	1060979.2	1460045.39	10.276	1.68	
9412	246.1402	90.5815	55.62	1060943.41	1459968.28	4.88	1.68	
9413	163.4521	87.4058	90.817	1060956.24	1460067.48	9.494	1.68	
9414	161.1057	89.1018	86.641	1060950.55	1460066.85	8.655	0.1	
9415	163.5051	90.0603	68.027	1060941.47	1460050.22	7.283	0.1	
9416	160.5559	89.01	67.672	1060938.58	1460052.13	6.984	1.68	
9417	160.0334	89.0218	46.993	1060925.28	1460036.27	6.611	1.68	
9418	164.1747	89.0636	45.532	1060927.01	1460032.98	6.529	1.68	
9419	156.2617	88.5904	24.546	1060910.47	1460019.27	6.257	1.68	
9420	166.3311	89.1551	24.412	1060913.76	1460016.48	6.136	1.68	
9421	99.2754	86.3407	4.137	1060895.28	1460002.59	6.07	1.68	
9422	204.5324	87.4447	4.059	1060900.94	1459999.38	5.982	1.68	
9423	58.1638	85.4432	4.818	1060892.58	1460000.86	6.18	1.68	
9424	60.3457	91.0816	70.165	1060834.78	1460031.36	5.609	0.5	
9425	347.3404	84.1726	1.414	1060895.94	1459997.81	5.963	1.68	
9426	162.0504	88.5738	25.36	1060912.93	1460018.47	6.282	1.68	
9427	162.3717	89.003	53.798	1060931.27	1460040.2	6.753	1.68	
9428	162.0449	88.3053	81.871	1060948.59	1460062.28	7.945	1.68	
9429	162.4401	87.4425	100.92	1060961.47	1460076.29	9.802	1.68	
9430	341.3001	91.2118	60.909	1060858.97	1459951.19	4.382	1.68	
9431	341.5849	90.4056	79.625	1060846.77	1459936.97	4.874	1.68	
9432	341.5608	90.2547	104.568	1060831.12	1459917.54	5.039	1.68	
9433	341.502	90.2543	120.411	1060821.31	1459905.1	4.922	1.68	
9434	12.0829	90.4434	70.692	1060830.84	1459973.71	4.906	1.68	
9435	357.5406	88.2052	95.595	1060818.68	1459943.95	5.159	5.1	
9436	306.3156	87.4806	58.322	1060893.27	1459940.64	4.639	5.1	
9437	308.3218	91	82.613	1060888.86	1459916.6	4.381	1.68	
9438	308.4322	90.3125	102.612	1060886.58	1459896.72	4.885	1.68	
9439	308.3442	90.3903	122.818	1060884.85	1459876.59	4.428	1.68	
9440	308.3422	90.3539	136.065	1060883.56	1459863.41	4.412	1.68	
9441	308.3339	90.3516	153.46	1060881.89	1459846.09	4.249	1.68	
9442	301.4731	90.5208	81.017	1060898.54	1459917.82	4.594	1.68	
9443	301.044	91.0226	105.032	1060900.33	1459893.85	4.596	1	
9444	289.4019	90.55	103.872	1060920.75	1459897.72	4.841	1	
9445	60.0143	90.1547	70.312	1060834.33	1460030.83	5.5	1.68	
9446	276.1137	93.5319	3.85	1060945.14	1459964.85	4.439	1.68	
9447	162.144	91.1824	17.887	1060954.73	1459982.11	4.292	1.68	
9448	162.2228	90.0135	20.462	1060956.4	1459984.08	2.351	4.02	
9449	158.1512	88.1007	35.093	1060963.68	1459996.9	5.822	1.68	
9450	164.2646	85.0621	49.519	1060976.1	1460005.22	8.925	1.68	
9451	258.203	88.081	34.957	1060967.94	1459943.4	5.837	1.68	
9452	223.4802	90.4557	42.831	1060985.47	1459960.21	4.128	1.68	
9453	206.2138	92.0451	56.003	1060999	1459974.69	2.667	1.68	
9454	207.2538	90.141	75.372	1061018.43	1459975.51	4.39	1.68	
9455	211.42	89.2805	103.249	1061046.63	1459970.51	5.659	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9456	232.5843	90.3906	82.868	1061021.25	1459939.88	4.338	1.1	
9457	266.2552	89.01	81.068	1060991.63	1459903.13	6.092	1.68	
9458	260.4022	88.3956	44.191	1060973.12	1459935.58	5.729	1.68	
9459	104.3619	87.4314	32.852	1060933.08	1459999.44	6.007	1.68	
9460	146.5514	85.5357	43.843	1060961.18	1460008.23	7.835	1.68	
9461	151.3053	96.5501	20.413	1060953.1	1459986.07	2.242	1.68	
9462	66.5457	88.4401	7.783	1060936.95	1459972.63	4.872	1.68	
9463	63.4534	97.4601	18.983	1060927.25	1459977.91	2.135	1.68	
9464	55.5656	89.5454	39.503	1060907.05	1459983.72	4.759	1.68	
9465	88.1733	89.1623	26.588	1060928.29	1459990.15	5.037	1.68	
9466	345.1603	89.3638	54.113	1060906.97	1459928.27	5.068	1.68	
9467	347.0357	90.0733	77.51	1060889.44	1459912.64	4.53	1.68	
9468	347.1006	89.5515	94.959	1060877.17	1459900.24	4.832	1.68	
9469	347.0742	90.0124	112.247	1060865.16	1459887.8	4.655	1.68	
9470	347.1741	89.5602	122.148	1060858.01	1459880.94	4.842	1.68	
9471	317.4201	89.505	65.843	1060926.63	1459904.61	4.876	1.68	
9472	322.411	90.0155	90.125	1060912.95	1459883.45	4.65	1.68	
9473	321.594	89.5649	111.3	1060907.06	1459863.08	4.804	1.68	
9474	322.0646	89.5948	129.126	1060900.99	1459846.32	4.709	1.68	
9475	321.5916	89.491	147.803	1060895.16	1459828.57	5.167	1.68	
9476	294.0029	91.0817	99.535	1060958.85	1459869.97	2.724	1.68	
9477	297.0425	89.3955	109.529	1060954.59	1459859.32	5.341	1.68	
9478	298.2038	89.4448	138.295	1060954.48	1459830.43	5.313	1.68	
9479	298.2821	89.4844	160.016	1060955.86	1459808.75	5.226	1.68	
9480	298.2922	89.4631	185.095	1060957.76	1459783.74	5.429	1.68	
9481	298.214	89.4915	209.681	1060960.13	1459759.27	5.359	1.68	
9482	289.5553	90.374	164.348	1060980.39	1459808.15	2.901	1.68	
9483	243.1221	88.5035	26.51	1060857.22	1460017.47	5.905	1.68	
9484	215.0329	89.2616	36.172	1060870.47	1460029.49	5.725	1.68	
9485	202.322	89.155	53.331	1060886.78	1460040.45	6.055	1.68	
9486	231.0451	81.5607	3.426	1060837.55	1460029.77	5.851	1.68	
9487	73.165	91.2505	23.203	1060816.65	1460045.84	4.796	1.68	
9488	66.474	91.1142	56.673	1060787.27	1460062.4	4.188	1.68	
9489	167.4813	92.242	26.753	1060853.18	1460049.77	5.827	0.1	
9490	111.3134	92.3918	23.934	1060829.6	1460054.26	5.841	0.1	
9491	168.1616	90.4243	52.25	1060871.49	1460067.56	5.901	0.5	
9492	141.0623	91.0412	36.843	1060845.81	1460065.83	6.262	0.1	
9493	167.5407	90.4029	71.58	1060884.91	1460081.47	6.107	0.1	
9494	141.0015	90.4728	68.991	1060855.72	1460096.41	5.998	0.1	
9495	109.2838	88.4733	23.537	1060828.85	1460053.71	5.866	1.68	
9496	97.454	90.5548	43.995	1060815.61	1460070.64	5.336	1	
9497	113.5305	90.5522	47.716	1060826.82	1460077.94	5.282	1	
9498	111.4759	90.4531	75.995	1060819.65	1460105.39	5.044	1	
9499	94.0212	90.4814	64.327	1060803.24	1460087.14	5.748	0.4	
9500	116.2003	82.5054	4.843	1060833.77	1460035.6	5.973	1.68	
9501	332.1217	93.5035	44.862	1060812.44	1459991.78	2.363	1.68	
9502	313.3127	92.5136	46.985	1060825.71	1459984.7	3.026	1.68	
9503	292.5549	93.0114	59.472	1060844.65	1459972.34	2.236	1.68	
9504	276.2153	91.3058	84.373	1060872.06	1459955.39	3.138	1.68	
9505	277.5115	90.4927	85.9	1060870.74	1459953.04	4.135	1.68	
9506	289.3928	90.3144	68.657	1060850.1	1459964.01	4.737	1.68	
9507	312.2055	90.4631	53.149	1060825.64	1459978.4	4.651	1.68	
9508	335.4305	90.1643	51.517	1060806.43	1459987.52	5.12	1.68	
9509	331.2734	90.5317	64.757	1060803.41	1459973.94	5.547	0.5	
9510	335.0741	90.032	66.891	1060798.69	1459974.22	5.306	1.68	
9511	335.1424	90.2229	78.504	1060792.38	1459964.48	4.857	1.68	
9512	335.1547	90.2913	91.593	1060785.35	1459953.43	4.592	1.68	
9513	309.5924	90.3341	55.051	1060827.57	1459976.2	4.831	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9514	314.3712	90.3902	52.97	1060823.6	1459978.96	4.769	1.68	
9515	345.2635	92.1053	46.311	1060803.06	1459996.71	3.608	1.68	
9516	346.161	90.1956	50.522	1060799.66	1459994.08	5.077	1.68	
9517	9.5842	90.0816	60.532	1060778.59	1460007.22	5.225	1.68	
9518	26.4246	90.1001	79.839	1060754.96	1460022.17	5.138	1.68	
9519	37.4923	90.1652	101.625	1060733.07	1460039.48	4.872	1.68	
9520	38.5409	91.5045	98.137	1060736.77	1460041.02	2.21	1.68	
9521	30.13	92.1257	78.763	1060755.71	1460027.09	2.325	1.68	
9522	15.2409	92.571	59.536	1060777.63	1460012.92	2.304	1.68	
9523	359.4011	93.0133	49.482	1060793.01	1460003.72	2.758	1.68	
9524	326.1222	91.1218	50.144	1060814.52	1459984.77	4.316	1.68	
9525	316.2936	90.1018	68.381	1060818.3	1459964.35	5.165	1.68	
9526	316.4518	90.2008	92.636	1060812.2	1459940.88	4.828	1.68	
9527	316.0812	90.235	107.672	1060809.74	1459926	4.624	1.68	
9528	358.4	89.4854	55.309	1060788.62	1459999.68	5.549	1.68	
9529	358.1004	90.2909	72.586	1060774.7	1459989.44	4.755	1.68	
9530	358.1617	90.3327	93.151	1060757.72	1459977.85	4.464	1.68	
9531	358.4006	90.4002	116.568	1060738	1459965.2	4.014	1.68	
9532	358.3934	90.3619	137.958	1060720.34	1459953.13	3.914	1.68	
9533	359.0854	90.0227	183.264	1060682.02	1459928.91	5.242	1.68	
9534	359.1631	89.0315	205.683	1060663.16	1459916.84	8.768	1.68	
9535	5.0455	89.1149	202.425	1060655.37	1459936.26	8.21	1.68	
9536	5.3444	90.051	180.762	1060673.78	1459947.76	5.1	1.68	
9537	6.2525	90.2916	155.388	1060695.29	1459961.47	4.049	1.68	
9538	7.3052	90.3135	130.381	1060716.58	1459974.86	4.174	1.68	
9539	8.4402	90.4206	103.824	1060739.64	1459988.27	4.099	1.68	
9540	10.4345	90.2547	76.94	1060763.1	1460001.75	4.794	1.68	
9541	13.1918	90.0459	64.02	1060774.02	1460009.34	5.277	1.68	
9542	33.0953	90.1048	91.662	1060742.67	1460031.19	5.083	1.68	
9543	33.3311	90.3005	110.433	1060723.9	1460032.02	4.405	1.68	
9544	23.2758	90.3313	102.682	1060733.05	1460013.93	4.379	1.68	
9545	33.3431	90.3515	129.496	1060704.85	1460032.27	4.043	1.68	
9546	33.3333	90.3828	142.52	1060691.82	1460032.38	3.777	1.68	
9547	33.331	90.3829	142.512	1060691.83	1460032.36	3.776	1.68	
9548	22.155	90.1141	145.017	1060691.82	1460003.97	3.559	3	
9549	12.4829	89.4627	190.284	1060655.67	1459965.35	6.123	1.68	
9550	13.4052	90.1151	175.837	1060668.33	1459972.84	4.766	1.68	
9551	13.0541	89.2802	219.604	1060627.77	1459956.29	7.416	1.68	
9552	25.1704	89.4527	160.196	1060675.56	1460009.5	3.73	4	
9553	12.5419	89.4506	183.738	1060661.71	1459967.89	3.849	4	
9554	67.5728	90.5704	79.486	1060769.24	1460076.44	4.051	1.68	
9555	77.1541	89.3245	84.665	1060708.67	1460135.59	4.483	1.68	
9556	182.5851	84.4436	7.014	1060775.29	1460079.93	4.454	1.68	
9557	74.2647	86.0803	4.053	1060766.21	1460079.12	4.084	1.68	
9558	249.5636	88.0248	19.193	1060784.56	1460064.89	4.465	1.68	
9559	182.3317	87.3217	40.024	1060803.74	1460096.66	5.53	1.68	
9560	247.5524	89.115	50.771	1060810.83	1460047.33	4.522	1.68	
9561	248.213	88.4832	74.152	1060829.66	1460033.47	5.353	1.68	
9562	184.0826	88.1243	63.897	1060825.21	1460107.2	5.805	1.68	
9563	184.0826	88.3205	63.968	1060825.28	1460107.24	5.447	1.68	
9564	233.4554	88.142	34.141	1060801.14	1460064.3	4.86	1.68	
9565	218.43	88.1008	47.814	1060816.79	1460071.62	5.339	1.68	
9566	218.503	88.1245	63.32	1060832.2	1460069.93	5.786	1.68	
9567	189.2446	88.3325	83.111	1060845.42	1460109.6	5.905	1.68	
9568	215.4532	88.3317	82.349	1060851.46	1460072.38	5.889	1.68	
9569	208.4958	88.2112	62.444	1060831.5	1460080.9	5.606	1.68	
9570	196.1852	88.2957	61.584	1060828.23	1460094.05	5.424	1.68	
9571	182.594	88.0914	49.098	1060811.76	1460100.93	5.393	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9572	177.1902	86.4253	31.61	1060794.9	1460094.82	5.623	1.68	
9573	177.2346	86.3759	31.355	1060794.71	1460094.63	5.653	1.68	
9574	125.5857	86.3929	25.105	1060770.57	1460101.46	5.275	1.68	
9575	100.2518	88.1913	32.37	1060756.85	1460106.33	4.76	1.68	
9576	150.2857	89.0057	61.148	1060797.52	1460130.65	4.861	1.68	
9577	120.5452	88.322	44.554	1060767.67	1460120.95	4.947	1.68	
9578	139.3228	89.0746	70.057	1060789.26	1460143.57	4.876	1.68	
9579	125.5815	88.2703	54.955	1060772.15	1460131.3	5.297	1.68	
9580	139.2727	89.144	84.774	1060793.35	1460157.71	4.929	1.68	
9581	126.3408	89.0155	61.2	1060773.12	1460137.51	4.845	1.68	
9582	139.2807	89.1228	84.749	1060793.35	1460157.67	4.983	1.68	
9583	91.4318	88.5201	62.547	1060736.83	1460129.92	5.048	1.68	
9584	100.304	88.4607	67.414	1060743.53	1460138.74	5.26	1.68	
9585	139.352	89.162	93.292	1060795.97	1460165.81	4.997	1.68	
9586	105.0245	89.2759	60.038	1060750.8	1460133.57	4.37	1.68	
9587	112.3808	88.4048	66.459	1060757.36	1460141.81	5.342	1.68	
9588	139.3024	89.1718	89.498	1060794.76	1460162.21	4.923	1.68	
9589	93.1041	89.064	71.158	1060733.93	1460138.2	4.915	1.68	
9590	97.5236	88.57	77.341	1060736.49	1460146.49	5.229	1.68	
9591	111.1417	88.4801	72.825	1060754.48	1460147.73	5.336	1.68	
9592	183.1945	85.3634	18.476	1060785.26	1460085.54	5.225	1.68	
9593	111.0812	88.5549	82.932	1060752.28	1460157.6	5.36	1.68	
9594	75.5248	88.2855	23.598	1060751.97	1460092.51	4.436	1.68	
9595	111.1402	89.1634	93.763	1060750.22	1460168.24	4.996	1.68	
9596	71.0236	89.1545	46.61	1060732.57	1460105.2	4.411	1.68	
9597	126.3322	87.1102	33.642	1060771.36	1460109.97	5.464	1.68	
9598	74.311	89.3152	68.567	1060717.95	1460121.94	4.372	1.68	
9599	72.0746	89.1748	28.322	1060747.29	1460094.33	4.159	1.68	
9600	76.1714	89.4959	85.28	1060707.23	1460134.98	4.06	1.68	
9601	77.1438	90.1839	100.641	1060697.22	1460146.73	3.266	1.68	
9602	19.3308	91.1742	60.685	1060710.22	1460062.39	2.44	1.68	
9603	30.5805	90.5606	69.408	1060699.88	1460074.05	2.679	1.68	
9604	32.2325	89.1201	78.787	1060690.47	1460075.69	4.911	1.68	
9605	17.0213	89.0457	63.796	1060707.89	1460058.96	4.833	1.68	
9606	29.2207	89.1243	73.823	1060695.57	1460071.84	4.827	1.68	
9607	37.0757	89.2444	84.05	1060685.42	1460082.59	4.674	1.68	
9608	47.0421	89.3103	103.295	1060669.08	1460101.66	4.681	1.68	
9609	51.0031	89.3018	113.833	1060661.03	1460111.75	4.795	1.68	
9610	52.5635	90.2857	110.901	1060665.04	1460114.38	2.878	1.68	
9611	46.1313	91.0239	95.364	1060676.44	1460098.34	2.074	1.68	
9612	36.1557	91.0859	76.546	1060692.84	1460080.88	2.276	1.68	
9613	32.1649	89.4051	104.793	1060664.46	1460075.24	4.395	1.68	
9614	32.3307	89.1615	128.914	1060640.34	1460075.57	4.133	3	
9615	39.3703	89.4655	129.439	1060640.68	1460091.49	4.305	1.68	
9616	38.5539	89.2653	101.076	1060668.72	1460086.99	4.786	1.68	
9617	39.3011	89.0833	153.159	1060617.1	1460093.95	3.785	4	
9618	32.2758	88.5645	128.106	1060641.16	1460075.38	3.849	4	
9619	31.1238	88.301	129.693	1060639.65	1460072.53	3.881	5	
9620	30.3745	88.3543	142.783	1060626.62	1460070.69	3.993	5	
9621	30.3545	88.3612	142.651	1060626.75	1460070.61	3.969	5	
9622	16.5638	88.2901	115.325	1060658.42	1460044.67	3.544	5	
9623	40.2856	88.4238	153.428	1060617.18	1460096.58	3.945	5	
9624	44.1803	88.3452	151.565	1060620.69	1460106.29	4.245	5	
9625	40.2954	88.4832	164.686	1060606.02	1460098.1	3.916	5	
9626	45.2816	89.4144	138.409	1060634.13	1460106.48	4.548	1.68	
9627	45.4124	88.5108	174.468	1060599.11	1460114.94	3.988	5	
9628	63.2755	89.3514	158.056	1060633.1	1460156.72	4.952	1.68	
9629	55.3245	88.3549	165.022	1060616.95	1460139.86	4.534	5	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9630	65.4204	89.3435	168.31	1060627.71	1460167.52	5.057	1.68	
9631	52.2233	89.4458	141.031	1060636.25	1460123.37	4.429	1.68	
9632	57.1534	89.321	139.064	1060642.53	1460133.71	4.938	1.68	
9633	60.1829	89.453	141.71	1060643.4	1460141.59	4.41	1.68	
9634	50.2922	89.3059	116.71	1060657.97	1460111.63	4.797	1.68	
9635	40.0301	89.2714	99.731	1060670.28	1460088.79	4.762	1.68	
9636	31.2721	88.2134	121.908	1060647.42	1460073.29	3.982	5	
9637	355.5641	89.0354	59.469	1060721.75	1460040.66	4.782	1.68	
9638	350.1802	88.4656	104.214	1060692.59	1460005.86	3.707	4	
9639	348.2925	88.0807	133.396	1060674.06	1459983.08	5.833	4	
9640	20.2806	89.1513	100.023	1060671.59	1460054.84	2.795	4	
9641	347.0252	89.0641	153.273	1060662.57	1459966.4	6.19	1.68	
9642	20.0657	89.0703	116.071	1060656.08	1460050.68	3.68	3.6	
9643	20.2635	88.5059	138.408	1060634.14	1460046.5	5.271	3	
9644	357.0458	88.3434	91.554	1060695.06	1460022.83	3.767	4	
9645	20.2458	88.5627	173.799	1060599.6	1460038.77	7.026	1.68	
9646	20.2721	88.4046	195.036	1060578.87	1460034.3	8.308	1.68	
9647	355.4654	88.3335	206.169	1060604.98	1459951.96	8.996	1.68	
9648	347.3632	88.3351	215.11	1060618.06	1459923.51	9.204	1.68	
9649	339.1417	88.3807	197.315	1060652.46	1459917.46	8.513	1.68	
9650	356.2126	102.4146	8.089	1060702.34	1460130.89	2.555	1.68	
9651	76.232	92.2655	37.826	1060681.24	1460161.58	2.397	2	
9652	85.3631	91.0405	82.195	1060658.84	1460200.94	2.481	2	
9653	93.4918	90.5318	41.931	1060688.27	1460172.22	3.363	2	
9654	107.4644	88.3234	40.354	1060698.13	1460174.53	5.359	1.68	
9655	125.114	88.4014	48.08	1060710.57	1460183.62	5.449	1.68	
9656	351.2722	88.5142	159.733	1060589.03	1460029.81	7.508	1.68	
9657	135.3537	88.5641	60.28	1060721.88	1460194.4	5.444	1.68	
9658	132.0956	89.0428	65.325	1060719.15	1460200.06	5.388	1.68	
9659	351.0147	89.104	53.36	1060668.97	1460099.96	5.099	1.68	
9660	161.3128	88.3343	36.406	1060731.37	1460164.04	5.247	1.68	
9661	161.1944	89.2839	57.003	1060744.07	1460180.27	4.853	1.68	
9662	350.0104	89.3057	60.747	1060664.19	1460094.23	4.847	1.68	
9663	350.0626	90.1457	94.114	1060639.65	1460071.61	3.925	1.68	
9664	350.2058	90.1715	105.269	1060631.17	1460064.36	3.806	1.68	
9665	350.0859	90.1403	108.984	1060628.69	1460061.56	3.889	1.68	
9666	349.1618	89.3018	123.229	1060619.53	1460050.51	5.399	1.68	
9667	161.2021	89.2543	71.829	1060753.29	1460191.88	5.05	1.68	
9668	349.1837	89.3119	128.543	1060615.63	1460046.91	5.407	1.68	
9669	343.2821	89.2012	116.122	1060633.21	1460047.35	5.678	1.68	
9670	201.1622	88.513	52.135	1060759.72	1460146.13	5.372	1.68	
9671	343.4708	89.0201	110.473	1060636.43	1460052.04	3.877	4	
9672	330.0603	89.3635	57.471	1060682.44	1460084.46	2.405	4	
9673	329.19	90.0953	79	1060673.57	1460064.82	4.106	1.68	
9674	236.0554	89.0935	58.69	1060762.63	1460112.51	5.194	1.68	
9675	329.1903	90.0811	96.405	1060665.84	1460049.23	3.784	2	
9676	329.0503	90.1	113.238	1060658.77	1460033.94	3.685	2	
9677	236.3541	89.1439	74.004	1060776.45	1460105.9	4.99	2	
9678	328.543	89.0635	129.829	1060651.83	1460018.89	6.351	1.68	
9679	246.4027	89.2221	95.643	1060788.2	1460082.48	5.381	1.68	
9680	328.5549	89.191	153.535	1060641.39	1459997.6	6.158	1.68	
9681	328.5645	89.132	196.541	1060622.5	1459958.97	8.184	0.5	
9682	241.5739	89.3539	105.335	1060800.78	1460084.49	5.08	1.68	
9683	36.071	89.4638	64.705	1060644.07	1460139.18	4.585	1.68	
9684	35.4347	89.5135	93.705	1060615.08	1460140.16	4.563	1.68	
9685	35.2822	90.0832	123.518	1060585.28	1460141.06	4.027	1.68	
9686	35.3129	90.0219	153.711	1060555.12	1460142.53	4.231	1.68	
9687	35.324	89.5218	189.388	1060519.48	1460144.21	4.759	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9688	53.4754	89.4206	90.892	1060623.74	1460167.96	4.807	1.68	
9689	192.0948	93.2424	4.886	1060713.23	1460137.32	4.043	1.68	
9690	196.0553	87.4915	23.944	1060731.57	1460142.52	5.244	1.68	
9691	53.3814	89.5135	121.459	1060595.06	1460178.53	4.631	1.68	
9692	201.0531	88.4905	47.666	1060755.31	1460145.38	5.316	1.68	
9693	53.4957	90.0504	156.401	1060562.56	1460191.38	4.104	1.68	
9694	201.1256	89.0002	56.617	1060764.1	1460147.09	5.321	1.68	
9695	53.452	90.0427	190.826	1060530.31	1460203.41	3.769	2	
9696	201.1734	89.0401	75.071	1060782.19	1460150.74	5.556	1.68	
9697	188.2048	84.1939	41.977	1060746.66	1460152.97	5.162	5	
9698	43.5909	89.2612	73.559	1060636.48	1460149.69	5.057	1.68	
9699	43.47	89.4229	100.801	1060609.68	1460154.56	4.847	1.68	
9700	43.51	89.3319	135.041	1060576.08	1460161.16	4.062	3	
9701	43.5324	89.4655	172.771	1060539.05	1460168.42	3.673	3	
9702	43.4825	89.4331	211.341	1060501.13	1460175.45	4.03	3	
9703	71.2251	90.3205	190.726	1060559.3	1460254.17	1.236	3	
9704	69.3437	90.4111	152.066	1060586.66	1460226.34	1.193	3	
9705	66.3224	90.5838	120.718	1060608.14	1460202.39	0.955	3	
9706	61.4701	91.1355	99.039	1060621.94	1460183.37	2.205	1.68	
9707	49.4131	91.3834	73.293	1060638.52	1460156.71	2.232	1.68	
9708	26.4912	92.1059	55.164	1060653.86	1460129.72	2.232	1.68	
9709	355.4306	92.3127	48.409	1060670.16	1460106.34	2.201	1.68	
9710	321.0942	92.0714	55.716	1060691.26	1460082.71	2.272	1.68	
9711	301.3255	91.2932	73.285	1060710.45	1460062.35	2.425	1.68	
9712	88.1454	89.472	149.743	1060623.45	1460258.72	4.886	1.68	
9713	124.5805	87.5215	32.356	1060709.82	1460167.91	5.535	1.68	
9714	131.3504	88.4536	49.204	1060716.07	1460184.23	5.398	1.68	
9715	104.3753	92.0038	20.393	1060702.27	1460154.94	3.618	1.68	
9716	99.5326	90.1714	29.964	1060696.94	1460163.16	4.183	1.68	
9717	89.5345	91.1826	29.602	1060692.54	1460160.4	3.658	1.68	
9718	108.5646	92.2005	10.883	1060706.05	1460146.14	3.89	1.68	
9719	73.2847	95.5613	11.796	1060699.76	1460143.22	3.113	1.68	
9720	289.0751	96.2609	9.273	1060710.87	1460126.64	3.294	1.68	
9721	260.5301	88.5829	10.359	1060715.61	1460127.9	4.518	1.68	
9722	235.513	90.1826	22.448	1060729.35	1460126.85	4.213	1.68	
9723	199.3143	89.3645	15.196	1060723.45	1460139.12	4.436	1.68	
9724	28.3145	92.1821	66.847	1060556.86	1460253.59	2.087	1.68	
9725	18.1744	91.2625	75.038	1060550.88	1460239.76	2.89	1.68	
9726	12.2859	90.3809	80.978	1060547.59	1460230.42	2.558	3	
9727	0.3309	90.193	72.317	1060562.38	1460219.99	3.046	3	
9728	98.3819	90.015	120.887	1060573.71	1460368.9	4.713	1.68	
9729	355.1518	90.2731	93.839	1060549.19	1460201.36	4.026	1.68	
9730	102.084	88.1901	75.714	1060596.59	1460329.47	4.68	4	
9731	356.4056	90.2613	117.061	1060529.06	1460189.49	3.864	1.7	
9732	102.1428	88.1853	75.591	1060596.75	1460329.4	4.679	4	
9733	356.3906	90.0708	145.747	1060505.97	1460172.47	4.455	1.7	
9734	356.0909	90.1639	172.776	1060485.08	1460155.26	4.122	1.5	
9735	356.0817	90.1321	199.909	1060463.38	1460138.97	4.183	1.5	
9736	107.2236	87.5059	81.371	1060601.64	1460337.05	4.51	5	
9737	349.5123	90.1445	192.576	1060482.8	1460127.19	5.133	0.5	
9738	350.095	90.0322	166.448	1060501.27	1460145.69	4.595	1.7	
9739	346.2304	90.0339	141.998	1060525.8	1460155.63	4.607	1.7	
9740	344.0755	90.2758	122.457	1060542.8	1460166.58	3.761	1.7	
9741	342.211	90.2801	100.907	1060559.39	1460180.77	3.934	1.7	
9742	342.2648	90.1623	80.233	1060572.41	1460196.82	4.374	1.7	
9743	340.23	90.2559	61.161	1060586.27	1460210.16	4.294	1.7	
9744	319.1959	90.0654	65.83	1060604.87	1460195.57	4.624	1.7	
9745	318.2103	90.0404	88.381	1060599.96	1460173.52	4.652	1.7	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9746	125.4112	90.1101	71.583	1060626.89	1460330.22	4.727	1.5	
9747	320.1602	90.1528	112.075	1060590.07	1460151.73	4.253	1.7	
9748	320.0409	90.1544	146.622	1060580.26	1460118.61	4.087	1.7	
9749	138.3002	91.0235	59.964	1060639.54	1460316.47	4.865	0.5	
9750	320.5719	89.4052	151.787	1060576.5	1460114.38	5.602	1.7	
9751	137.465	90.4251	79.954	1060643.93	1460336	4.86	0.6	
9752	321.0835	89.3726	173.059	1060569.38	1460094.33	5.895	1.7	
9753	317.2441	90.0854	152.586	1060585.32	1460110.98	4.363	1.7	
9754	158.1403	90.265	59.069	1060657.58	1460306.93	4.995	1	
9755	312.3757	89.4638	129.56	1060601.63	1460131.01	3.961	3	
9756	310.4634	90.0137	110.126	1060608.43	1460149.62	4.705	1.7	
9757	166.1625	91.2502	45.012	1060654.34	1460291.45	5.143	0.2	
9758	166.2527	90.33	47.931	1060656.44	1460293.49	4.316	1.68	
9759	166.3311	91.0141	51.711	1060659.12	1460296.15	5.129	0.4	
9760	309.0741	89.5807	77.279	1060615.12	1460181.89	4.819	1.68	
9761	179.2913	89.4605	31.679	1060649.89	1460276.18	4.904	1.68	
9762	179.2702	90.5903	35.049	1060652.68	1460278.05	4.174	1.68	
9763	179.3819	90.0251	37.644	1060654.92	1460279.39	4.745	1.68	
9764	307.1148	89.5222	84.674	1060617.16	1460174.28	4.965	1.68	
9765	173.5525	90.2114	63.445	1060672.75	1460298.66	4.564	1.5	
9766	306.2652	90.1033	124.977	1060615.8	1460133.98	4.393	1.68	
9767	306.2448	90.0222	152.969	1060614.18	1460106.03	3.852	2.5	
9768	307.5405	89.5316	165.56	1060609.13	1460093.78	3.782	3	
9769	186.5	90.4531	27.353	1060648.01	1460270.75	5.094	1	
9770	336.4102	90.4654	55.804	1060592.46	1460212.32	4.015	1.68	
9771	336.2657	90.0756	59.929	1060590.37	1460208.75	4.638	1.68	
9772	186.5934	90.3519	60.901	1060678.21	1460285.36	4.151	1.68	
9773	336.3452	90.31	118.019	1060558.07	1460160.47	3.713	1.68	
9774	336.3713	89.5244	160.114	1060534.65	1460125.49	5.116	1.68	
9775	186.5336	90.3742	85.245	1060700.04	1460296.14	3.842	1.68	
9776	336.384	89.332	188.928	1060518.61	1460101.56	6.244	1.68	
9777	186.5244	90.4335	102.34	1060715.38	1460303.67	3.479	1.68	
9778	186.5022	90.2532	125.033	1060735.74	1460313.72	3.849	1.68	
9779	33.0934	91.4759	79.362	1060544.13	1460259.03	2.284	1.68	
9780	17.1124	91.2033	90.292	1060536.57	1460234.22	2.661	1.68	
9781	12.4513	91.3437	100.879	1060528.81	1460223.93	3.181	0.5	
9782	186.4906	90.2839	143.029	1060751.87	1460321.68	4.666	0.6	
9783	29.121	91.3919	81.272	1060542.39	1460253.43	2.429	1.68	
9784	28.401	90.1425	88.6	1060535.1	1460252.13	4.405	1.68	
9785	28.3035	90.1836	108.866	1060514.91	1460250.32	4.188	1.68	
9786	28.3202	90.08	125.288	1060498.54	1460249.1	4.486	1.68	
9787	28.3202	90.0804	144.577	1060479.3	1460247.62	4.438	1.68	
9788	28.3732	90.0156	172.992	1060450.95	1460245.72	4.68	1.68	
9789	28.3322	89.5929	199.518	1060424.52	1460243.48	4.809	1.68	
9790	28.3519	89.3413	235.133	1060389	1460240.89	6.544	1.68	
9791	37.4028	89.3847	224.4	1060399.83	1460277.25	6.164	1.68	
9792	37.2949	89.5707	208.432	1060415.68	1460275.29	4.954	1.68	
9793	235.4946	89.1348	42.67	1060662.76	1460242.12	5.35	1.68	
9794	235.4745	89.2615	56.832	1060675.82	1460236.64	5.334	1.68	
9795	37.1907	90.0312	183.688	1060440.3	1460272.75	4.607	1.68	
9796	37.4336	90.0859	160.867	1060463.15	1460272.15	4.358	1.68	
9797	235.4545	89.3453	72.127	1060689.93	1460230.74	5.304	1.68	
9798	38.3832	90.0832	138.426	1060485.71	1460272.48	4.434	1.68	
9799	41.0444	90.0856	111.835	1060512.75	1460274.56	4.486	1.68	
9800	49.092	91.0639	106.89	1060520.84	1460288.57	2.705	1.68	
9801	235.4948	89.4648	91.731	1060707.96	1460223.04	5.129	1.68	
9802	48.2825	89.523	122.576	1060505.36	1460291.55	5.044	1.68	
9803	48.0659	90.0408	150.644	1060478.07	1460298.16	4.597	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9804	50.3502	90.0347	192.013	1060440.48	1460316.93	4.567	1.68	
9805	51.3144	89.5735	213.8	1060420.81	1460326.89	4.929	1.68	
9806	235.4435	87.5639	101.872	1060717.3	1460219.26	5.111	5	
9807	258.1356	89.232	56.156	1060662.95	1460218.81	5.375	1.68	
9808	258.1708	89.2924	88.441	1060685.61	1460195.8	5.564	1.68	
9809	48.2258	89.2739	223.327	1060408.2	1460318.19	8.061	0.5	
9810	39.1006	89.0227	227.873	1060396.96	1460283.45	8.594	1.68	
9811	28.5539	88.4154	243.524	1060380.59	1460241.7	10.313	1.68	
9812	258.1902	89.4538	126.288	1060712.16	1460168.83	5.485	1.5	
9813	52.5837	89.5203	208.073	1060427.98	1460330.02	5.261	1.68	
9814	258.2229	89.4411	146.061	1060725.94	1460154.65	5.45	1.68	
9815	58.3649	90.0438	181.212	1060460.14	1460337.24	4.714	1.5	
9816	59.034	90.0512	157.875	1060481.71	1460328.24	4.539	1.68	
9817	59.5858	90.2148	145.325	1060494.02	1460324.8	3.856	1.68	
9818	61.2022	90.1502	139.402	1060500.83	1460325.03	4.168	1.68	
9819	71.3945	90.3734	142.832	1060512.03	1460348.07	3.217	1.68	
9820	70.3811	90.3419	157.474	1060498.86	1460355.01	3.206	1.68	
9821	71.213	89.4515	163.815	1060495.11	1460360.52	5.481	1.68	
9822	69.3617	90.0143	184.173	1060475.73	1460368.7	4.686	1.68	
9823	69.2744	90.0411	211.502	1060453.49	1460384.6	4.521	1.68	
9824	69.3623	89.5139	229.336	1060439.51	1460395.68	5.337	1.68	
9825	70.592	89.025	239.561	1060434.84	1460406.36	8.763	1.68	
9826	74.4621	89.0144	246.411	1060439.89	1460423.05	8.956	1.68	
9827	82.1216	89.0659	261.138	1060453.08	1460456.58	8.808	1.68	
9828	206.5809	87.5314	9.846	1060633.24	1460259.74	5.139	1.68	
9829	210.3354	90.2056	22.266	1060645.7	1460259.64	4.64	1.68	
9830	206.48	90.2623	44.36	1060667.56	1460263.46	5.116	1	
9831	208.4714	86.2637	59.198	1060682.38	1460263	5.128	5	
9832	209.124	87.2543	79.321	1060702.53	1460263.87	5.015	5	
9833	209.3512	87.241	97.496	1060720.68	1460264.41	7.375	3.5	
9834	270.4239	92.4133	53.905	1060652.17	1460213.17	2.244	1.68	
9835	272.2504	93.5857	27.463	1060637.37	1460235.12	2.869	1.68	
9836	60.0329	106.2522	9.695	1060615.18	1460262.96	2.035	1.68	
9837	76.1941	95.2332	31.097	1060600.96	1460279.99	1.854	1.68	
9838	82.0834	90.063	30.631	1060603.44	1460281.91	4.718	1.68	
9839	85.2458	89.4902	8.769	1060618.11	1460265.67	4.804	1.68	
9840	262.4802	90.0016	24.56	1060639.29	1460239.94	4.774	1.68	
9841	262.5257	89.5154	49.743	1060655.46	1460220.64	4.893	1.68	
9842	82.0247	90.2254	155.292	1060521.8	1460376.11	3.743	1.68	
9843	77.514	91.0801	147.214	1060519.24	1460362.66	1.865	1.68	
9844	73.02	91.0437	143.612	1060513.62	1460351.2	2.078	1.68	
9845	66.3958	91.0704	129.041	1060516.15	1460330.36	2.26	1.68	
9846	59.002	91.2839	102.96	1060531	1460303.95	2.122	1.68	
9847	47.2901	91.5447	84.375	1060541.83	1460279.9	1.96	1.68	
9848	39.5433	92.0513	78.74	1060545.35	1460268.27	1.909	1.68	
9849	82.0258	90.1634	161.443	1060517.78	1460380.77	4	1.68	
9850	82.0651	89.5645	185.556	1060502.15	1460399.14	4.954	1.68	
9851	82.0829	89.5341	215.815	1060482.45	1460422.1	5.176	1.68	
9852	82.0223	89.4355	248.002	1060461.09	1460446.18	5.94	1.68	
9853	82.1559	89.0531	263.508	1060451.75	1460458.56	8.956	1.68	
9854	16.3344	88.502	172.714	1060408.04	1460320.22	7.985	1.68	
9855	16.3628	88.5406	184.934	1060396.27	1460316.91	8.03	1.68	
9856	23.2628	88.4456	161.462	1060414.5	1460342.27	8.01	1.68	
9857	23.2909	88.4954	172.419	1060403.67	1460340.59	8.001	1.68	
9858	30.461	88.4052	163.42	1060410.45	1460362.72	8.247	1.68	
9859	30.4458	88.3643	153.667	1060420.2	1460363.03	8.207	1.68	
9860	53.1424	88.1825	145.427	1060437.38	1460419.34	8.781	1.68	
9861	53.5641	88.2234	155.401	1060428.7	1460424.59	8.889	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9862	60.2701	88.183	157.356	1060434.21	1460441.56	9.13	1.68	
9863	60.2537	88.1803	147.753	1060442.7	1460437.07	8.866	1.68	
9864	67.3836	88.1727	151.249	1060449.43	1460454.98	8.996	1.68	
9865	67.3539	88.135	160.997	1060441.34	1460460.41	9.456	1.68	
9866	81.1921	88.0945	162.433	1060465.89	1460490.28	9.693	1.68	
9867	81.2923	88.1935	153.713	1060472.01	1460484.07	8.974	1.68	
9868	86.4932	88.1935	153.425	1060483.33	1460492.79	8.966	1.68	
9869	86.5315	88.2335	162.523	1060478.11	1460500.25	9.722	1	
9870	99.4511	88.1242	160.601	1060510.52	1460516.46	10.177	1	
9871	99.4447	88.2235	151.871	1060513.93	1460508.44	9.468	1	
9872	102.1854	87.58	159.781	1060517.47	1460518.35	10.154	1.68	
9873	102.5533	88.2112	150.754	1060522.14	1460510.49	9.496	1	
9874	106.1432	88.0406	158.29	1060528.27	1460520.43	10.3	1.2	
9875	106.0937	88.1128	149.852	1060530.48	1460512.3	9.695	1.2	
9876	110.1521	87.5024	157.031	1060539.26	1460521.99	10.403	1.68	
9877	110.1836	87.5919	148.284	1060541.32	1460513.51	9.689	1.68	
9878	116.2051	87.4338	153.374	1060556.13	1460521.14	10.567	1.68	
9879	115.471	87.5358	145.367	1060555.63	1460513.04	9.813	1.68	
9880	124.1428	87.3828	146.008	1060577.03	1460514.74	10.494	1.68	
9881	124.0231	87.3942	140.666	1060576.42	1460509.42	10.223	1.68	
9882	135.5357	87.4153	131.9	1060603.27	1460497.33	9.782	1.68	
9883	139.1627	87.3402	131.635	1060610.71	1460495.1	10.072	1.68	
9884	136.5831	89.4213	123.04	1060603.56	1460488.26	5.121	1.68	
9885	154.0204	89.5105	120.134	1060635.76	1460471.77	4.795	1.68	
9886	137.3515	90.1542	97.767	1060598.44	1460463.48	4.037	1.68	
9887	146.3037	90.0227	97.782	1060612.82	1460458.52	4.414	1.68	
9888	143.4413	90.3103	84.857	1060603.84	1460448.22	3.717	1.68	
9889	133.085	89.5736	78.012	1060587.54	1460445.67	4.538	1.68	
9890	127.0726	90.0947	102.363	1060581.19	1460470.99	4.192	1.68	
9891	114.4717	89.3721	76.447	1060562.88	1460444.57	4.987	1.68	
9892	122.4639	89.4803	128.849	1060573.35	1460497.75	5.612	1	
9893	108.5803	89.4937	100.292	1060549.5	1460466.22	4.787	1.68	
9894	122.4926	88.1502	137.191	1060573.44	1460506.02	8.673	1.68	
9895	112.0623	89.0752	135.788	1060548.2	1460502.25	6.544	1.68	
9896	122.4607	88.1255	137.232	1060573.31	1460506.06	8.759	1.68	
9897	110.1342	88.1512	143.857	1060542.08	1460509.17	8.869	1.68	
9898	100.2816	88.3213	144.478	1060518.52	1460502.37	8.173	1.68	
9899	99.5659	88.5951	125.791	1060524.59	1460484.68	6.685	1.68	
9900	99.1722	90.0618	103.94	1060532.02	1460464.11	4.293	1.68	
9901	87.2241	89.2718	143.752	1060490.12	1460485.84	5.852	1.68	
9902	100.0615	89.413	74.673	1060544.74	1460437.72	4.885	1.68	
9903	87.2259	90.0041	117.197	1060505.57	1460464.25	4.46	1.68	
9904	78.1511	89.3142	136.333	1060477.85	1460465.83	5.606	1.68	
9905	81.0756	89.3538	77.064	1060522.34	1460426.34	5.03	1.68	
9906	78.1659	90.0119	100.393	1060503.15	1460440.31	4.445	1.68	
9907	63.1417	89.3554	76.404	1060507.75	1460407.45	5.019	1.68	
9908	71.402	89.2458	140.244	1060464.32	1460456.65	5.913	1.68	
9909	54.2251	89.5119	103.135	1060477.72	1460406.6	4.745	1.68	
9910	72.0049	89.3553	113.597	1060485.53	1460440.5	5.281	1.68	
9911	53.3305	89.2012	135.008	1060447.36	1460416.43	6.047	1.68	
9912	61.301	88.2048	145.281	1060446.17	1460438.34	8.676	1.68	
9913	43.0735	89.1204	141.865	1060434.1	1460393.99	7.142	1	
9914	44.4723	89.5434	98.828	1060476.99	1460389.2	4.64	1.68	
9915	41.1235	89.5206	136.608	1060438.53	1460388.55	4.798	1.68	
9916	24.2845	89.4812	105.977	1060468.89	1460353.31	4.847	1.68	
9917	17.1527	89.5114	123.543	1060454.77	1460335.51	4.799	1.68	
9918	12.1411	89.5532	97.328	1060482.67	1460334.49	4.61	1.68	
9919	21.3715	89.1902	160.74	1060416.11	1460337.36	6.4	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9920	13.5711	89.5638	132.456	1060448.46	1460325.81	4.614	1.68	
9921	14.5253	111.241	5.863	1060568.52	1460367.21	2.344	1.68	
9922	122.292	105.1846	8.049	1060573.65	1460376.66	2.357	1.68	
9923	147.2618	95.0912	21.283	1060582.5	1460388.19	2.571	1.68	
9924	159.0249	93.2214	34.819	1060594.2	1460396.98	2.436	1.68	
9925	165.1804	92.0949	42.641	1060602.42	1460400.38	2.873	1.68	
9926	173.5423	91.0051	55.287	1060616.65	1460403.71	3.505	1.68	
9927	169.4358	91.0814	45.44	1060606.83	1460400	4.661	0.6	
9928	151.1834	89.4344	15.477	1060581.07	1460382.51	4.536	1.7	
9929	330.1354	89.3704	7.722	1060570.17	1460362.04	4.515	1.7	
9930	302.4444	88.5907	36.448	1060573.83	1460332.46	5.109	1.7	
9931	37.1614	92.1358	60.088	1060513.84	1460373.44	2.122	1.7	
9932	59.5653	92.0732	55.715	1060524.11	1460394.18	2.397	1.7	
9933	61.0912	89.4914	59.294	1060521.46	1460396.93	4.649	1.7	
9934	98.5929	90.0942	60.831	1060549.02	1460424.49	4.292	1.7	
9935	99.0005	92.1119	58.415	1060550.03	1460422.25	2.232	1.7	
9936	240.5332	89.4112	23.947	1060594.86	1460357.67	4.594	1.7	
9937	238.4619	89.4422	57.256	1060625.24	1460343.95	4.724	1.7	
9938	125.5231	91.4149	72.314	1060577.42	1460441.08	2.322	1.7	
9939	126.3522	89.4439	77.952	1060578.68	1460446.69	4.812	1.7	
9940	270.1457	89.5306	60.897	1060606.6	1460317.65	4.585	1.7	
9941	145.3002	90.3643	77.816	1060603.57	1460440.75	3.632	1.7	
9942	145.2015	91.5222	72.226	1060601.22	1460435.64	2.103	1.7	
9943	273.2959	88.4621	75.691	1060610.9	1460302.99	4.785	3	
9944	155.0718	89.5844	118.023	1060636.58	1460468.79	4.507	1.7	
9945	278.5441	90.5929	14.711	1060579.7	1460355.46	4.209	1.7	
9946	154.3807	90.481	113.007	1060633.08	1460465.04	2.881	1.7	
9947	191.3124	89.2749	27.5	1060599.31	1460378.94	4.721	1.7	
9948	154.2712	89.4729	121.718	1060637.34	1460472.66	4.907	1.7	
9949	195.0806	90.4641	50.326	1060621.62	1460384.28	3.78	1.7	
9950	155.4059	89.5835	121.088	1060639.21	1460470.74	4.514	1.7	
9951	177.5822	90.3537	44.066	1060609.82	1460394.15	4.007	1.7	
9952	157.0227	91.0608	119.313	1060640.6	1460467.67	2.169	1.7	
9953	254.2402	86.3502	2.882	1060835.31	1460305.4	7.69	1.7	
9954	273.511	86.0018	2.447	1060834.35	1460305.17	7.689	1.7	
9955	292.0934	88.2528	8.627	1060834.77	1460298.83	7.755	1.7	
9956	290.2743	88.2047	7.388	1060834.75	1460300.1	7.731	1.7	
9957	1.173	89.4248	6.297	1060827.8	1460304	7.55	1.7	
9958	87.2437	84.5501	3.79	1060830.97	1460310.38	7.854	1.7	
9959	73.1308	84.3759	1.75	1060831.83	1460308.43	7.682	1.7	
9960	58.2937	90.2418	63.201	1060776.14	1460334.57	7.072	1.7	
9961	351.5508	83.2346	3.715	1060830.38	1460304.88	7.945	1.7	
9962	59.4124	90.1718	60.841	1060778.83	1460334.69	7.212	1.7	
9963	62.5151	90.2127	55.623	1060784.95	1460335.06	7.171	1.7	
9964	159.2238	88.3249	32.076	1060852.21	1460333.1	8.331	1.7	
9965	162.0906	88.4247	34.131	1060854.73	1460333.74	8.285	1.7	
9966	63.0913	90.1924	62.496	1060779.16	1460338.76	7.166	1.7	
9967	173.1305	87.5301	32.023	1060857.78	1460327.76	8.701	1.7	
9968	168.2933	90.201	33.847	1060857.32	1460331.01	8.52	0.5	
9969	159.323	88.5033	44.117	1060859.46	1460342.71	9.609	0.5	
9970	162.1815	88.5743	42.571	1060860.16	1460340.21	9.489	0.5	
9971	170.435	86.0223	48.972	1060869.35	1460340.13	8.6	4	
9972	169.1222	90.5241	40.855	1060862.68	1460335.54	8.492	0.1	
9973	163.5153	89.2746	129.461	1060917.97	1460405.11	8.753	1.68	
9974	164.1136	89.2701	127.684	1060917.36	1460403.29	8.764	1.68	
9975	167.3854	89.2503	127.342	1060922.74	1460397.8	8.834	1.68	
9976	167.072	89.2646	127.867	1060922.28	1460398.99	8.776	1.68	
9977	164.0406	89.2817	136.008	1060922.62	1460409.74	8.794	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
9978	164.1105	89.2451	140.833	1060926.01	1460413.19	8.979	1.68	
9979	168.4621	89.101	83.999	1060893.41	1460365.82	8.756	1.68	
9980	162.5348	89.1918	85.824	1060888.28	1460373.09	8.555	1.68	
9981	167.1425	88.4031	36.219	1060858.45	1460333.22	8.376	1.68	
9982	163.584	89.2647	135.401	1060922.06	1460409.43	8.848	1.68	
9983	340.1153	93.045	30.808	1060814.53	1460282.82	5.883	1.68	
9984	330.2105	93.1501	53.887	1060808.39	1460259.55	4.483	1.68	
9985	325.205	93.0531	61.487	1060809.75	1460250.54	4.222	1.68	
9986	7.2117	92.2838	40.417	1060796.74	1460289.87	5.791	1.68	
9987	7.4109	92.324	83.421	1060757.78	1460271.75	4.915	0.6	
9988	257.4044	88.2545	49.682	1060868.44	1460272.35	8.9	1.68	
9989	97.2907	90.1055	3.659	1060920.49	1460412.73	8.696	1.68	
9990	161.0726	88.4937	34.428	1060943.34	1460436.48	9.413	1.68	
9991	167.2439	89.1509	33.654	1060945.63	1460433.44	9.147	1.68	
9992	169.2746	89.3202	59.421	1060965.18	1460450.31	9.192	1.68	
9993	258.5246	89.4423	156.065	1061030.58	1460297.27	9.419	1.68	
9994	260.4012	89.2542	105.546	1060993.04	1460331.32	9.762	1.68	
9995	171.5732	89.1448	113.272	1061007.57	1460483.7	10.198	1.68	
9996	176.2035	89.1443	135.734	1061031.03	1460490.33	10.497	1.68	
9997	177.4455	89.3602	127.777	1061026.48	1460483.06	9.6	1.68	
9998	175.3107	89.3107	99.118	1061000.78	1460469.65	9.542	1.68	
9999	175.2218	89.363	67.89	1060975.87	1460450.81	9.172	1.68	
10000	178.5648	89.4036	29.739	1060946.72	1460426.05	8.876	1.68	
10001	261.1938	89.2533	98.75	1060987.63	1460335.6	9.698	1.68	
10002	260.4131	89.2352	98.959	1060988.59	1460336.17	9.749	1.68	
10003	260.373	89.2533	105.467	1060993.05	1460331.44	9.766	1.68	
10004	260.1742	89.2432	104.678	1060992.97	1460332.43	9.789	1.68	
10005	258.5429	89.4446	155.732	1061030.3	1460297.46	9.4	1.68	
10006	258.4048	89.4344	155.814	1061030.8	1460297.83	9.447	1.68	
10007	72.0104	90.5844	108.445	1060837.89	1460477.78	6.856	1.68	
10008	215.2304	89.3744	10.262	1060848.14	1460477.34	6.783	1.68	
10009	220.37	89.2148	9.064	1060846.87	1460476.57	6.817	1.68	
10010	152.032	89.1015	5.842	1060840.73	1460482.89	6.801	1.68	
10011	147.1612	87.4954	4.537	1060839.76	1460481.91	6.888	1.68	
10012	178.5214	86.2224	2.94	1060840.32	1460479.42	6.902	1.68	
10013	266.3848	87.5509	6.474	1060841.72	1460472.57	6.951	1.68	
10014	256.4514	90.0139	5.122	1060841.59	1460474.23	6.714	1.68	
10015	254.3306	89.2926	210.231	1060995.06	1460338.17	9.768	0.5	
10016	254.5008	89.2458	210.732	1060994.74	1460337.06	10.047	0.5	
10017	254.3451	89.2535	216.958	1061000.01	1460333.62	10.071	0.5	
10018	254.5216	89.2148	216.301	1060998.79	1460333.24	9.803	1	
10019	345.4855	89.3557	71.172	1060789.46	1460425.63	7.214	1.68	
10020	347.2557	89.3054	70.021	1060788.82	1460427.84	7.309	1.68	
10021	353.3917	89.3755	72.596	1060781.7	1460431.82	7.183	1.68	
10022	351.1708	89.3438	71.705	1060784.32	1460430.13	7.246	1.68	
10023	254.5722	89.2319	269.472	1061038.08	1460297.41	9.596	1.68	
10024	254.4746	89.2858	269.309	1061038.46	1460298.08	9.152	1.68	
10025	138.3038	88.4647	27.657	1060845.31	1460504.42	7.305	1.68	
10026	131.3318	90.2722	45.078	1060844.65	1460522.35	6.357	1.68	
10027	126.3306	90.5243	59.097	1060841.62	1460536.75	5.81	1.68	
10028	124.0326	90.3746	74.882	1060839.36	1460552.64	5.894	1.68	
10029	103.3332	90.3028	75.753	1060812.76	1460549.24	6.045	1.68	
10030	184.5136	89.3806	43.882	1060876.61	1460498.43	6.996	1.68	
10031	105.4134	90.4149	56.008	1060821.29	1460531.27	6.035	1.68	
10032	187.4839	90.513	78.331	1060908.8	1460511.04	5.543	1.68	
10033	105.5221	89.5529	26.374	1060830.15	1460502.99	6.751	1.68	
10034	49.4054	90.0812	27.627	1060811.44	1460485.74	6.65	1.68	
10035	184.3754	90.5606	108.315	1060933.24	1460529.13	4.949	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10036	55.3514	90.1644	62.968	1060779.78	1460502.03	6.41	1.68	
10037	22.3635	90.1301	54.239	1060784.53	1460468.06	7.191	1	
10038	184.3736	91.0125	147.39	1060967.63	1460547.67	4.765	1	
10039	22.2131	91.5137	30.172	1060808.25	1460472.25	6.417	1	
10040	160.0101	91.2824	53.132	1060869.92	1460520.16	6.53	0.5	
10041	155.241	91.3325	77.11	1060879.27	1460542.82	5.801	0.5	
10042	141.051	90.4224	48.273	1060852.93	1460523.65	6.121	1.68	
10043	349.4005	89.3202	78.309	1060780.87	1460424.11	7.354	1.68	
10044	252.2557	89.0805	53.951	1060879.52	1460443.47	7.531	1.68	
10045	253.4546	88.5629	111.974	1060922.61	1460404.59	8.786	1.68	
10046	256.1927	89.3321	22.509	1060854.25	1460462.32	6.831	1.68	
10047	177.5511	86.0543	6.729	1060843.39	1460481.63	7.114	1.68	
10048	186.4936	87.213	6.444	1060843.67	1460480.61	6.953	1.68	
10049	252.2648	89.3712	20.282	1060853.54	1460464.88	6.791	1.68	
10050	221.4325	88.4132	13.27	1060851	1460475.75	6.959	1.68	
10051	237.4517	89.2821	21.833	1060857.71	1460468.62	6.857	1.68	
10052	241.1229	89.3141	20.665	1060856.09	1460467.99	6.826	1.68	
10053	185.3634	86.2045	22.293	1060809.65	1460395.15	8.077	1.68	
10054	169.5221	86.5706	19.646	1060737.39	1460438.3	7.701	1.68	
10055	249.533	90.0814	65.871	1060890.53	1460438.18	6.498	1.68	
10056	250.2804	90.0402	64.725	1060889.22	1460438.35	6.58	1.68	
10057	250.5628	89.4955	63.912	1060888.25	1460438.43	6.844	1.68	
10058	255.4032	90.2946	66.067	1060886.41	1460432.95	6.764	1	
10059	255.3555	90.4509	62.835	1060884.09	1460435.2	6.511	1	
10060	89.5916	89.1736	26.639	1060774.02	1460417.9	6.985	1.68	
10061	85.5839	89.1154	26.888	1060775.9	1460417.77	7.032	1.68	
10062	89.4547	89.2505	64.943	1060815.25	1460397.02	7.316	1.68	
10063	88.395	89.2949	64.592	1060801.52	1460531.16	7.223	1.68	
10064	92.2334	89.2849	55.314	1060724.48	1460455.17	7.158	1.68	
10065	91.212	89.2414	55.174	1060729.52	1460458.44	7.23	1.68	
10066	80.3152	89.1711	43.406	1060751.95	1460431	7.197	1.68	
10067	81.4814	89.1629	42.949	1060760.23	1460437.24	7.2	1.68	
10068	82.1407	89.1937	58.835	1060745.49	1460430.78	7.347	1.68	
10069	251.0101	89.4709	63.854	1060888.15	1460438.4	6.895	1.68	
10070	223.1201	86.3335	55.034	1060975.55	1460447.63	9.959	1.68	
10071	92.0311	90.132	73.437	1060743.18	1460487.13	6.88	1.68	
10072	359.3402	86.1426	21.478	1060762.97	1460412.32	8.572	1.68	
10073	213.1618	93.4223	5.64	1060768.6	1460412.29	8.047	1.68	
10074	237.193	93.4648	3.712	1060766.35	1460410.79	8.167	1.68	
10075	276.5735	91.1608	27.193	1060774.88	1460387.88	7.81	1.68	
10076	258.5412	91.3606	25.72	1060780.84	1460393.84	7.693	1.68	
10077	242.2223	91.3414	31.256	1060790.18	1460396.96	7.555	1.68	
10078	244.0456	91.3708	31.203	1060789.67	1460396.19	7.531	1.68	
10079	252.464	90.4613	57.402	1060807.04	1460375.55	7.641	1.68	
10080	250.2947	90.4321	57.81	1060808.8	1460377.08	7.683	1.68	
10081	355.2701	93.4213	15.687	1060750.55	1460402.79	7.399	1.68	
10082	276.491	91.0817	31.91	1060777.02	1460383.67	7.778	1.68	
10083	277.0224	87.5558	66.838	1060792.15	1460352.23	7.503	5	
10084	278.1245	88.0703	71.956	1060793.05	1460346.99	7.456	5	
10085	277.5201	87.4559	64.836	1060790.42	1460353.64	7.619	5	
10086	1.0533	96.0238	18.412	1060747.42	1460402.66	6.473	1.68	
10087	105.0216	92.2743	10.136	1060759.86	1460421.95	7.977	1.68	
10088	345.5356	94.3138	39.337	1060736.25	1460383.62	5.307	1.68	
10089	67.3917	88.29	25.446	1060742.06	1460426.81	9.086	1.68	
10090	66.2629	89.402	38.591	1060730.8	1460433.62	8.633	1.68	
10091	4.4554	96.0545	33.378	1060733.72	1460396.65	4.868	1.68	
10092	3.3554	95.503	55.32	1060715	1460385.36	3.862	0.6	
10093	66.1203	88.055	47.611	1060723.19	1460438.42	6.673	5	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10094	346.1608	94.1524	60.385	1060721.65	1460368.52	3.91	1.7	
10095	318.3437	90.5804	46.259	1060750.5	1460367.78	7.611	1.7	
10096	66.0608	89.422	62.056	1060711.03	1460446.27	5.411	5	
10097	339.1606	94.2737	45.938	1060735.84	1460375.42	4.84	1.68	
10098	44.5804	88.0802	26.376	1060737.19	1460417.81	9.271	1.68	
10099	41.5008	90.3019	40.654	1060722.81	1460418.61	5.734	4	
10100	344.4206	90.0857	6.715	1060758.5	1460407.31	8.395	1.68	
10101	67.4723	87.182	2.16	1060761.2	1460413.55	8.514	1.68	
10102	49.4932	86.4942	27.648	1060736.56	1460420.34	9.942	1.68	
10103	65.0512	86.4936	26.891	1060740.24	1460426.61	9.901	1.68	
10104	64.3345	89.2055	167.656	1060620.22	1460500.23	10.32	1.68	
10105	62.1642	89.2032	166.721	1060617.65	1460494.01	10.328	1.68	
10106	60.2208	88.3623	97.135	1060676.79	1460457.06	10.775	1.68	
10107	64.5317	88.4451	96.984	1060680.7	1460463.63	10.533	1.68	
10108	32.3913	91.3617	81.204	1060662.01	1460486.73	4.446	1.68	
10109	32.065	90.5122	108.746	1060634.45	1460485.57	5.096	1.68	
10110	54.3246	91.291	92.087	1060657.59	1460521.04	4.332	1.68	
10111	52.2451	89.3648	131.767	1060618.95	1460531.07	4.291	5	
10112	209.0353	89.2306	21.466	1060764.59	1460488.58	6.93	1.7	
10113	200.5234	90.1349	37.186	1060779.54	1460494.9	6.551	1.7	
10114	193.3904	90.5335	49.681	1060790.07	1460503.54	6.426	1.2	
10115	70.0823	92.0046	60.946	1060694.66	1460523.96	4.58	1.68	
10116	71.233	94.5659	54.022	1060701.03	1460520.6	2.059	1.68	
10117	54.3609	94.5344	55.826	1060691.48	1460507.67	1.956	1.68	
10118	171.2215	90.2143	67.755	1060793.87	1460532.09	6.292	1.68	
10119	36.1432	93.4006	67.679	1060675.75	1460491.03	2.39	1.68	
10120	171.1234	90.1802	44.587	1060776.45	1460516.81	6.486	1.68	
10121	25.0411	93.0513	84.755	1060659.34	1460475.55	2.156	1.68	
10122	27.2958	91.4959	89.59	1060654.04	1460478.65	3.855	1.68	
10123	163.4331	90.3908	25.552	1060759.87	1460506.48	6.429	1.68	
10124	44.0507	91.5258	68.247	1060676.25	1460500.32	4.478	1.68	
10125	79.1816	91.5605	63.638	1060699.29	1460533.17	4.572	1.68	
10126	78.2322	94.4756	55.064	1060704.69	1460526.24	2.114	1.68	
10127	182.5058	90.193	14.099	1060755.38	1460494.2	6.64	1.68	
10128	107.1004	92.0409	68.098	1060724.68	1460552.62	4.262	1.68	
10129	35.4513	97.5622	2.548	1060740.66	1460487.26	6.368	1.68	
10130	107.1449	93.3608	65.16	1060725.59	1460549.74	2.626	1.68	
10131	349.4947	91.2518	12.289	1060734.21	1460478.74	6.415	1.68	
10132	124.4059	91.4638	92.267	1060745.99	1460579.31	3.859	1.68	
10133	126.1908	92.4724	90.841	1060748.53	1460577.71	2.299	1.68	
10134	69.3535	124.2538	6.235	1060739.05	1460490.2	3.195	1.68	
10135	134.1337	91.2032	129.17	1060768.46	1460613.77	3.696	1.68	
10136	134.3616	92.0452	127.798	1060769.01	1460612.21	2.081	1.68	
10137	137.3629	109.1433	12.198	1060746.09	1460498.27	2.7	1.68	
10138	128.1157	89.3501	135.988	1060755.65	1460622.54	7.709	1.68	
10139	120.3801	89.3425	144.82	1060737.36	1460631.83	4.479	5	
10140	155.0858	97.3638	34.674	1060761.5	1460516.21	2.128	1.68	
10141	92.2033	88.3819	87.315	1060698.75	1460562.27	4.475	6	
10142	85.0209	88.1702	79.254	1060694.51	1460549.64	4.774	6	
10143	72.1331	88.2846	83.76	1060678.37	1460540.15	4.623	6	
10144	51.5607	89.2701	94.529	1060653.8	1460517.9	3.307	6	
10145	0.2841	100.3837	15.885	1060730	1460478.75	3.786	1.68	
10146	357.4802	97.1129	31.628	1060717.52	1460469.07	2.761	1.68	
10147	357.2407	94.291	58.302	1060695.88	1460453.35	2.16	1.68	
10148	72.5926	89.2443	115.774	1060654.56	1460561.63	7.909	1.68	
10149	147.0602	90.2337	294.807	1060863.85	1460756.1	4.701	1.68	
10150	159.0026	90.3057	59.124	1060777.99	1460534.92	6.188	1.68	
10151	293.2114	89.0307	25.867	1060782.29	1460509.42	6.486	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10152	295.0213	89.5508	43.177	1060783.92	1460492.15	6.119	1.68	
10153	290.1216	89.5241	56.44	1060790.43	1460479.87	6.858	1	
10154	264.0754	89.1703	27.747	1060795.37	1460513.3	7.085	1	
10155	281.052	90.0036	52.286	1060797.44	1460486.39	6.729	1	
10156	274.3126	90.064	62.094	1060807.53	1460480.31	5.938	1.68	
10157	264.36	89.2818	54.973	1060812.08	1460491.8	6.565	1.68	
10158	267.0548	89.4814	66.446	1060816.89	1460481.06	6.286	1.68	
10159	230.0336	89.2638	30.359	1060807	1460525.98	6.353	1.68	
10160	253.0904	89.5146	66.969	1060829.13	1460491.68	6.219	1.68	
10161	230.071	89.171	50.468	1060826.2	1460520.01	6.687	1.68	
10162	244.1126	89.1517	73.423	1060840.75	1460496.83	7.013	1.68	
10163	230.0757	89.5506	74.375	1060849.04	1460512.93	7.245	0.6	
10164	209.4237	90.0602	45.248	1060823.16	1460537.47	5.979	1.68	
10165	223.324	90.404	83.656	1060860.21	1460519.52	6.449	0.3	
10166	209.3655	90.1559	66.621	1060844.5	1460538.78	7.129	0.3	
10167	209.3609	90.4828	75.5	1060853.35	1460539.31	5.674	1	
10168	182.1713	91.2202	39.602	1060812.05	1460555.1	6.193	0.6	
10169	180.473	91.13	61.676	1060830.2	1460567.73	5.829	0.6	
10170	205.5757	90.4654	84.07	1060861.43	1460545.12	5.591	1	
10171	171.4025	90.2415	81.684	1060839.39	1460588.79	5.962	1.2	
10172	171.185	90.2854	99.15	1060852.1	1460600.78	5.705	1.2	
10173	155.3745	90.4924	102.21	1060833.19	1460620.93	5.77	0.5	
10174	152.3858	90.1033	101.781	1060828.43	1460623.32	5.747	1.68	
10175	218.5841	90.5112	66.381	1060843.99	1460527.93	6.05	0.7	
10176	156.1713	89.5939	82.651	1060823.42	1460603.96	6.067	1.68	
10177	217.3103	90.4747	41.461	1060819.31	1460531.61	6.162	1	
10178	158.2329	90.0319	61.147	1060813.46	1460584.73	5.979	1.7	
10179	211.4159	89.2243	18.882	1060796.86	1460535.33	6.243	1.7	
10180	161.2832	89.5809	35.632	1060800.19	1460562.79	6.057	1.7	
10181	166.5928	90.3805	22.707	1060793.77	1460551.24	5.787	1.7	
10182	187.4646	89.5142	16.7	1060793.1	1460542.02	6.078	1.7	
10183	151.1838	102.5643	18.023	1060786.33	1460550.37	2	1.7	
10184	358.4411	90.1706	3.51	1060775.08	1460532.95	6.021	1.7	
10185	336.1257	89.3423	19.677	1060767.19	1460518.47	6.185	1.7	
10186	154.0754	95.2214	31.8	1060794.39	1460562	1.762	3	
10187	156.5804	92.48	45.889	1060803.64	1460572.9	2.497	3	
10188	155.0518	92.3154	58.538	1060809.11	1460584.43	2.153	3	
10189	154.0231	93.0536	72.316	1060815.29	1460596.75	2.136	1.7	
10190	151.3853	92.035	95.9	1060824.03	1460618.97	2.585	1.7	
10191	151.2925	91.4147	111.364	1060831.19	1460632.7	2.742	1.7	
10192	272.2944	91.5232	8.577	1060868.19	1460748.71	4.26	1.7	
10193	278.4914	87.4001	23.58	1060873.48	1460734.6	5.521	1.68	
10194	277.2836	89.1953	40.506	1060881.26	1460719.53	5.514	1.2	
10195	282.2724	89.363	56.915	1060883.76	1460702.79	5.13	1.5	
10196	318.4415	89.3121	174.746	1060816.27	1460587.97	6	1.7	
10197	279.4537	89.2637	66.267	1060889.93	1460695.19	5.185	1.7	
10198	318.2501	89.2846	146.89	1060824.65	1460614.55	5.877	1.7	
10199	317.0423	89.2836	113.929	1060836.03	1460645.63	5.583	1.7	
10200	265.5105	89.5642	72.56	1060907.61	1460698.22	4.611	1.7	
10201	319.0536	91.1822	115.802	1060831.64	1460644.9	1.902	1.7	
10202	260.0234	90.1044	79.8	1060918.17	1460697.64	4.292	1.7	
10203	314.3649	89.1447	76.888	1060848.29	1460680.81	5.553	1.7	
10204	251.463	89.5612	82.441	1060928.07	1460704.4	4.633	1.7	
10205	316.1222	92.0025	72.118	1060847.31	1460685.95	2.036	1.68	
10206	318.1911	92.5719	49.66	1060850.7	1460708.28	2.001	1.68	
10207	311.441	88.5236	44.466	1060857.05	1460712.17	5.433	1.68	
10208	244.4332	89.5439	89.937	1060940.3	1460708.72	4.702	1.68	
10209	244.5833	90.0657	66.993	1060920.64	1460720.56	5.106	1	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10210	324.5453	98.304	17.827	1060857.25	1460739.75	1.903	1.7	
10211	245.0154	90.0835	67.046	1060920.65	1460720.48	5.074	1	
10212	311.4222	91.28	15.005	1060861.56	1460741.28	4.177	1.68	
10213	244.5041	89.3339	39.484	1060897.37	1460735.23	5.544	1	
10214	137.1045	91.0539	13.225	1060867.1	1460768.92	4.289	1.7	
10215	110.1455	101.0116	14.549	1060860.71	1460770.04	1.76	1.7	
10216	244.1939	89.3204	17.415	1060878.72	1460747.03	4.683	1.7	
10217	293.3751	88.1658	27.573	1060868.31	1460728.9	5.367	1.7	
10218	138.5137	90.3335	50.384	1060877.67	1460804.55	4.049	1.7	
10219	132.4012	93.0542	51.474	1060872.54	1460806.76	1.762	1.7	
10220	293.3904	88.4853	39.529	1060870.23	1460717.1	5.359	1.7	
10221	143.4733	90.3745	84.946	1060894.09	1460835.48	3.609	1.7	
10222	142.1957	91.0846	85.627	1060892.28	1460836.85	1.529	3	
10223	293.0106	89.0146	63.572	1060874.8	1460693.49	5.518	1.8	
10224	159.5621	90.3236	101.225	1060924.77	1460836.94	3.582	1.7	
10225	161.0732	90.1335	58.261	1060899.87	1460801.89	4.311	1.7	
10226	222.0604	91.0011	20.317	1060883.91	1460752.87	4.185	1.7	
10227	162.0446	90.2721	23.924	1060878.95	1460774.66	4.351	1.7	
10228	208.0617	90.0201	42.441	1060906.14	1460759.68	4.516	1.7	
10229	186.0904	89.3554	23.763	1060885.06	1460766.81	4.708	1.7	
10230	198.3733	90.083	64.486	1060926.34	1460772.04	4.382	1.7	
10231	186.1113	90.0137	61.158	1060918.46	1460783.63	4.512	1.7	
10232	198.2606	90.1046	80.209	1060941.5	1460776.19	4.29	1.7	
10233	198.3	90.4433	97.288	1060958.06	1460780.36	4.481	0.5	
10234	188.4818	87.5427	97.274	1060952.56	1460795.84	4.793	5	
10235	202.2254	89.5856	83.996	1060946.43	1460771.49	4.567	1.7	
10236	182.5535	88.0939	96.118	1060947.04	1460804.15	4.327	5	
10237	213.4121	89.4612	52.964	1060916.81	1460755.41	4.754	1.7	
10238	184.2021	89.312	23.419	1060884.41	1460767.31	4.736	1.7	
10239	192.2832	87.4457	108.629	1060965.55	1460794.05	5.508	5	
10240	145.0457	91.4935	12.617	1060868.61	1460767.78	4.139	1.7	
10241	147.0054	90.3929	42.101	1060881.03	1460794.54	4.058	1.7	
10242	154.2328	90.3952	60.215	1060895.27	1460807.47	3.843	1.7	
10243	154.2401	90.1712	97.941	1060914.97	1460839.64	4.072	1.68	
10244	347.495	90.2641	11.048	1060907.17	1460831.82	3.876	1.68	
10245	334.3639	90.5102	29.964	1060899.24	1460814.14	3.517	1.68	
10246	323.3525	89.3749	42.818	1060899.87	1460799.58	4.239	1.68	
10247	314.3238	89.4611	53.735	1060904.16	1460787.01	4.178	1.68	
10248	304.5754	89.2044	61.315	1060912.8	1460778.37	4.663	1.68	
10249	291.3446	89.4932	59.922	1060926.77	1460780.89	4.145	1.68	
10250	282.1519	89.3747	60.578	1060936.37	1460782.97	4.354	1.68	
10251	271.2059	90.0011	64.636	1060948.83	1460784.58	4.639	1	
10252	247.4953	90.1211	70.786	1060973.03	1460799.15	4.791	0.6	
10253	241.5408	89.5335	77.127	1060982.45	1460802.29	4.786	1	
10254	232.3958	88.0139	124.529	1061032.12	1460797.63	3.929	6	
10255	241.5757	89.4933	66.656	1060973.25	1460807.3	4.165	1.68	
10256	258.0436	90.0858	56.115	1060954.55	1460799.87	4.996	0.5	
10257	265.1513	85.4008	45.973	1060942.99	1460803.36	4.114	5	
10258	271.1947	86.0827	58.094	1060945.35	1460790.28	4.552	5	
10259	276.5321	86.3657	64.978	1060943.45	1460781.37	4.478	5	
10260	284.3534	87.0418	92.966	1060944.19	1460751.52	5.392	5	
10261	275.5105	87.2932	98.187	1060959.64	1460752.31	4.939	5	
10262	271.1914	87.2132	90.73	1060962.48	1460762.46	4.823	5	
10263	263.2947	87.2205	88.941	1060971.41	1460771.03	4.727	5	
10264	278.3253	89.2348	26.065	1060925.73	1460815.9	0.917	5	
10265	295.2341	89.4525	38.84	1060920.07	1460801.14	0.807	5	
10266	203.0311	93.1831	18.607	1060933.27	1460842.83	-0.432	5	
10267	159.3021	98.4348	8.163	1060919.78	1460846.12	2.723	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10268	30.5016	92.0346	15.371	1060899.62	1460839.08	3.409	1.68	
10269	32.0236	96.1556	19.14	1060895.95	1460839.35	1.873	1.68	
10270	168.5607	86.5358	3.063	1060917.17	1460841.77	4.128	1.68	
10271	224.4942	89.5251	15.463	1060930.1	1460836.46	3.994	1.68	
10272	214.0622	89.5332	276.308	1061191.22	1460834	4.487	1.68	
10273	35.0205	90.2906	263.901	1060927.51	1460843.66	2.088	1.68	
10274	33.5632	90.324	236.934	1060954.33	1460838.16	2.07	1.68	
10275	33.2308	90.1147	237.982	1060953.25	1460835.87	3.506	1.68	
10276	31.4657	90.1544	217.505	1060973.76	1460829.62	3.325	1.68	
10277	32.0026	90.3659	215.035	1060976.23	1460830.51	2.007	1.68	
10278	3.2507	89.5613	24.116	1061170.24	1460822.12	4.344	1.68	
10279	31.3217	90.4253	208.185	1060983.11	1460828.92	1.723	1.68	
10280	356.5436	90.3005	33.255	1061164.33	1460814.45	4.026	1.68	
10281	356.3044	89.5643	53.364	1061148.28	1460802.32	4.368	1.68	
10282	356.4729	90.1804	61.833	1061141.29	1460797.53	3.993	1.68	
10283	356.4426	90.1003	72.329	1061132.85	1460791.29	4.106	1.68	
10284	357.0716	90.0651	80.134	1061126.24	1460787.11	4.158	1.68	
10285	28.2019	90.3821	112.934	1061078.66	1460824.95	1.738	3	
10286	25.3627	91.0806	116.9	1061075.3	1460819.09	2.182	1.5	
10287	347.5606	86.3821	78.555	1061135.77	1460778.55	5.603	5	
10288	23.2707	91.5759	97.573	1061095.04	1460817.93	1.15	1.5	
10289	340.37	86.3602	78.724	1061143.19	1460771.81	4.665	6	
10290	20.07	90.0305	94.415	1061099.16	1460813.05	4.213	1.7	
10291	20.1109	90.054	109.053	1061084.86	1460809.93	4.118	1.7	
10292	297.2735	85.5745	63.058	1061197.23	1460771.39	3.937	6.5	
10293	20.0721	90.0555	141.914	1061052.84	1460802.53	4.054	1.7	
10294	302.4632	85.2548	41.396	1061191.34	1460792.74	4.295	5	
10295	20.0713	90.0547	141.914	1061052.84	1460802.52	4.06	1.7	
10296	314.2209	85.4347	29.314	1061185.43	1460805.35	4.18	4	
10297	329.303	84.5759	23.784	1061180.62	1460812.81	4.084	4	
10298	20.0255	90.0442	175.516	1061020.13	1460794.85	4.059	1.7	
10299	0.2115	90.2032	72.875	1061129.82	1460794.76	3.862	1.7	
10300	21.3801	90.141	88.787	1061104.16	1460816.6	3.932	1.7	
10301	20.1231	90.5238	86.806	1061106.56	1460814.88	2.969	1.7	
10302	20.0344	90.233	81.089	1061112.17	1460815.94	3.743	1.7	
10303	19.2838	91.3101	73.766	1061119.51	1460816.84	2.345	1.7	
10304	19.0118	92.3138	59.113	1061133.9	1460819.8	1.691	1.7	
10305	11.5216	88.4216	47.364	1061147.03	1460816.98	4.568	2.5	
10306	13.5405	90.3842	17.107	1061175.05	1460828.43	3.305	2.5	
10307	21.2144	98.3123	15.485	1061176.22	1460830.93	1.202	2.5	
10308	142.4442	108.4315	6.21	1061193.21	1460839.54	2.324	1.68	
10309	171.3841	95.3923	20.195	1061206.32	1460847.27	2.327	1.68	
10310	176.0959	93.1008	34.336	1061218.68	1460854.53	2.419	1.68	
10311	176.3744	91.3036	34.695	1061219.17	1460854.54	3.403	1.68	
10312	267.2105	91.3055	22.808	1061204.49	1460815.46	3.714	1.68	
10313	171.3536	92.1005	50.797	1061229.33	1460867.54	2.396	1.68	
10314	267.2224	90.254	58.763	1061225.4	1460786.2	5.259	0.3	
10315	164.483	91.495	65.947	1061235.22	1460883.09	2.191	1.7	
10316	174.1649	87.4311	78.73	1061252.65	1460883.14	7.43	1.7	
10317	177.5335	88.0541	64.173	1061243.73	1460870.83	6.431	1.7	
10318	178.5636	90.1125	43.929	1061227.64	1460858.56	4.851	1	
10319	182.0816	89.103	25.348	1061212.99	1460846.98	4.662	1.7	
10320	222.1045	80.3512	63.129	1061252.69	1460824	9.322	7	
10321	211.5845	82.1855	78.885	1061269.39	1460835.31	10.546	6	
10322	263.5341	85.0401	64.663	1061231.8	1460783.97	6.558	5	
10323	262.1524	84.5958	56.578	1061227.96	1460791.26	5.929	5	
10324	181.3855	82.5335	76.484	1061256.08	1460873.42	10.46	5	
10325	164.1	91.5126	72.563	1061239.02	1460888.55	1.966	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10326	173.3714	89.3914	59.914	1061237.57	1460871.97	4.679	1.68	
10327	165.4018	89.574	95.629	1061256.12	1460904.24	4.382	1.68	
10328	344.3847	91.3611	79.313	1061203.37	1460845.06	1.994	1.68	
10329	247.4113	76.5128	12.815	1061266.37	1460897.13	7.126	1.68	
10330	248.3207	79.3344	30.538	1061280.54	1460886.76	9.745	1.68	
10331	228.0339	75.432	20.381	1061275.18	1460899.09	9.239	1.68	
10332	191.461	79.0845	24.457	1061278.52	1460912.92	8.818	1.68	
10333	27.2334	109.1147	5.84	1061250.63	1460903.71	2.292	1.68	
10334	26.2629	96.1315	3.838	1061256.03	1460901.09	3.796	1.68	
10335	180.2121	81.0207	36.398	1061286.41	1460923.61	9.884	1.68	
10336	122.3009	96.1049	20.353	1061255.96	1460924.48	2.021	1.68	
10337	137.0616	92.0438	24.348	1061267.69	1460928.33	3.33	1.68	
10338	138.0605	91.4243	58.664	1061271.46	1460960.84	2.46	1.68	
10339	216.3144	70.5146	35.109	1061289.22	1460902.17	10.802	6.6	
10340	230.05	76.4757	49.314	1061301.99	1460890.09	12.154	5	
10341	141.3312	90.5152	58.109	1061275.15	1460946.32	3.336	1.68	
10342	245.5653	78.3224	54.038	1061300.53	1460875.39	11.629	5	
10343	250.525	76.0933	37.881	1061285.12	1460881.63	9.954	5	
10344	164.1836	89.0319	8.843	1061261.96	1460910.88	4.358	1.68	
10345	157.0221	83.2041	65.594	1061292.65	1460958.19	8.494	5	
10346	163.2512	82.2007	66.973	1061299.21	1460954.73	9.825	5	
10347	162.2637	87.5846	26.01	1061272.65	1460924.3	5.129	1.68	
10348	162.4224	85.3715	47.77	1061286.59	1460940.85	7.86	1.68	
10349	163.1416	85.045	76.215	1061305.23	1460962.16	10.748	1.68	
10350	59.1231	97.4323	14.29	1061292.53	1460968.42	8.668	1.68	
10351	322.2743	94.3853	16.695	1061299.67	1460946.47	9.235	1.68	
10352	311.1031	89.5527	27.14	1061301.34	1460935.3	10.624	1.68	
10353	56.5919	102.4912	32.099	1061276.65	1460974.91	2.146	3	
10354	281.2053	88.5056	36.998	1061318.84	1460927.76	10.011	3	
10355	274.4452	87.0831	62.38	1061334.66	1460907.24	13.699	1.68	
10356	251.4107	86.4751	72.287	1061361.52	1460916.98	14.627	1.68	
10357	93.5452	97.2036	45.119	1061283.52	1461001.28	2.501	4	
10358	234.0243	86.5155	64.569	1061365.38	1460938.94	14.119	1.68	
10359	235.1548	86.1139	45.87	1061347.57	1460944.77	13.633	1.68	
10360	109.05	93.5008	66.726	1061289.29	1461026.8	2.805	5	
10361	266.3912	87.3711	15.953	1061314.66	1460949.31	11.251	1.68	
10362	124.3105	90.2748	67.444	1061307.09	1461029.57	10.043	1.68	
10363	113.2024	92.1252	33.372	1061299.67	1460995.04	9.299	1.68	
10364	204.0338	86.5612	74.107	1061378.35	1460973.57	14.549	1.68	
10365	188.204	87.5505	71.705	1061370.39	1460991.98	13.193	1.68	
10366	165.2806	88.5823	71.221	1061353.37	1461014.63	11.865	1.68	
10367	140.5105	90.1346	81.435	1061330.28	1461039.64	10.262	1.68	
10368	160.1523	89.1234	122.863	1061379.71	1461059.86	12.284	1.68	
10369	167.2942	88.5503	120.85	1061390.01	1461048.25	12.872	1.68	
10370	181.3757	88.0935	116.037	1061404.32	1461022.42	14.315	1.68	
10371	181.3508	88.0829	64.991	1061360.7	1460995.95	12.696	1.68	
10372	139.3729	90.1537	27.772	1061313.21	1460988.76	10.462	1.68	
10373	123.1832	90.3625	110.523	1061305.95	1461072.67	9.418	1.68	
10374	258.4323	87.382	10.401	1061313.19	1461065.22	9.697	1.68	
10375	260.1853	92.1632	28.64	1061325.33	1461051.61	8.131	1.68	
10376	258.322	88.3427	37.135	1061331.92	1461046.15	10.192	1.68	
10377	271.3159	90.2757	47.35	1061330.62	1461032.26	8.883	1.68	
10378	214.5202	92.3135	48.508	1061354.38	1461071.04	7.13	1.68	
10379	201.5739	89.3621	51.667	1061356.67	1461082.51	9.624	1.68	
10380	269.2636	88.0347	86.394	1061353.6	1461000.66	12.189	1.68	
10381	169.4733	91.0225	44.554	1061338.45	1461103.13	8.459	1.68	
10382	153.2724	95.2713	38.983	1061325.65	1461106.1	5.563	1.68	
10383	242.5944	87.3155	83.248	1061377.93	1461031.01	12.853	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10384	136.0907	91.5229	49.124	1061317.17	1461120.47	7.661	1.68	
10385	158.5109	90.1602	67.611	1061345.61	1461127.43	8.953	1.68	
10386	217.0019	87.4319	93.446	1061399.08	1461066.05	12.983	1.68	
10387	174.3145	89.4828	81.403	1061369.74	1461123.24	9.542	1.68	
10388	200.3657	88.5438	111.813	1061415.17	1461096.53	11.395	1.68	
10389	180.4958	89.5844	86.243	1061379	1461118.51	9.3	1.68	
10390	194.4613	88.2337	124.265	1061423.97	1461111.4	12.752	1.68	
10391	184.5702	90.1516	88.416	1061384.02	1461114.16	8.876	1.68	
10392	188.0622	88.5427	122.11	1061416.75	1461123.94	11.597	1.68	
10393	181.5011	89.2251	117.738	1061406.76	1461133.48	10.541	1.68	
10394	186.5512	88.5647	89.599	1061386.45	1461111.97	7.596	5	
10395	171.065	89.4913	115.774	1061392.22	1461149.87	9.632	1.68	
10396	155.1538	90.3226	86.494	1061352.19	1461145.76	8.453	1.68	
10397	100.1055	91.5233	23.032	1061297.04	1461093.9	8.514	1.68	
10398	87.435	91.5454	13.298	1061298.29	1461083.53	8.824	1.68	
10399	316.3035	91.4158	13.433	1061302.8	1461059.62	8.87	1.68	
10400	303.37	89.3318	37.49	1061305.5	1461035.18	9.559	1.68	
10401	318.2609	95.3336	31.642	1061297.53	1461042.32	6.202	1.68	
10402	4.3154	109.0943	15.704	1061292.9	1461065.61	4.113	1.68	
10403	74.1325	101.534	22.679	1061289.27	1461087.31	4.594	1.68	
10404	104.0903	91.5343	43.128	1061292.07	1461113.48	5.522	4	
10405	108.4614	93.1603	54.842	1061292.55	1461125.76	2.822	5	
10406	115.2754	91.0957	74.403	1061296.27	1461146.43	7.755	1.68	
10407	0.1515	102.5629	22.005	1061278.22	1461134.85	2.677	1.68	
10408	305.5213	95.0205	8.629	1061295.83	1461137.84	6.848	1.68	
10409	52.0335	109.0436	6.443	1061290.52	1461148.42	5.499	1.68	
10410	30.1354	101.021	20.907	1061275.78	1461145.46	3.603	1.68	
10411	81.2259	104.0215	12.708	1061288.1	1461155.65	4.523	1.68	
10412	71.1757	96.5253	26.02	1061276.02	1461162.46	4.488	1.68	
10413	172.0124	87.36	21.688	1061312.65	1461160.62	8.513	1.68	
10414	171.382	88.0342	36.775	1061323.89	1461170.68	8.849	1.68	
10415	82.4847	96.0041	36.806	1061272.69	1461174.42	3.751	1.68	
10416	143.275	88.4241	19.864	1061303.24	1461165.02	8.052	1.68	
10417	93.3924	91.2046	32.682	1061280.3	1461174.93	6.837	1.68	
10418	143.2037	88.5315	35.368	1061308.6	1461179.57	8.292	1.68	
10419	107.2519	90.5658	15.823	1061292.04	1461161.67	7.343	1.68	
10420	99.1047	89.3404	41.239	1061279.66	1461184.17	7.916	1.68	
10421	204.2629	87.251	17.785	1061313.85	1461149.05	8.406	1.68	
10422	201.0433	84.5932	30.115	1061325.63	1461152.59	8.914	3	
10423	94.4606	90.4858	51.314	1061272.05	1461191.66	6.874	1.68	
10424	194.3947	84.0532	47.103	1061340.76	1461161.12	9.133	5	
10425	204.4827	82.2739	33.955	1061329.6	1461151.19	8.74	5	
10426	94.3619	90.4459	55.458	1061269.96	1461195.24	3.56	5	
10427	283.1311	91.1621	15.04	1061301.35	1461132.27	7.251	1.7	
10428	84.1449	94.2253	48.575	1061266	1461184.23	3.874	1.7	
10429	110.4108	88.5733	25.032	1061290.96	1461170.89	8.04	1.7	
10430	143.1525	88.5317	33.752	1061307.99	1461178.07	8.24	1.7	
10431	104.4935	88.5431	42.154	1061283.17	1461186.49	8.388	1.7	
10432	105.3106	89.1915	82.777	1061271.5	1461225.4	8.567	1.7	
10433	280.2802	89.4048	37.938	1061286	1461190.34	8.619	1.68	
10434	258.161	89.1709	40.179	1061299.74	1461196.83	8.908	1.68	
10435	235.5312	89.4418	50.404	1061317.91	1461205.75	8.637	1.68	
10436	220.0319	90.0804	55.095	1061326.17	1461218.57	8.278	1.68	
10437	212.2801	89.4829	63.026	1061334.52	1461225.92	8.619	1.68	
10438	233.4123	89.1202	13.751	1061284.36	1461220.53	8.599	1.68	
10439	195.3522	90.1037	63.617	1061332.22	1461244.37	8.211	1.68	
10440	129.4415	92.2012	24.458	1061274.39	1461249.67	7.41	1.68	
10441	181.3619	91.0754	68.984	1061330.41	1461261.27	7.045	1.68	

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
10442	161.3515	89.1715	35.678	1061293.78	1461253.26	7.531	3	
10443	169.5646	90.5226	69.613	1061322.41	1461272.86	7.346	1.68	
10444	173.5142	90.5626	44.23	1061305.83	1461253.28	5.361	4	
10445	185.555	91.0739	28.319	1061296.72	1461238.26	7.85	1.68	
10446	212.1816	90.2856	26.591	1061298.09	1461225.7	8.183	1.68	
10447	235.295	89.475	28.283	1061297.62	1461214.55	8.507	1.68	
10448	185.5613	89.4758	12.374	1061282.52	1461231.02	8.45	1.68	
10449	265.3218	89.252	25.44	1061286.95	1461205.19	8.664	1.68	
10450	274.1647	88.5906	12.123	1061277.31	1461214.77	8.622	1.68	
10451	300.2145	90.5402	19.869	1061272.39	1461205.56	8.095	1.68	
10452	332.0431	100.5525	23.724	1061260.16	1461205.06	3.911	1.68	
10453	300.3823	90.5444	12.04	1061271.98	1461213.37	8.215	1.68	
10454	353.0155	102.3436	21.118	1061255.69	1461212.18	3.809	1.68	
10455	319.3901	89.1242	3.302	1061270.55	1461222.24	8.452	1.68	
10456	104.2525	91.4619	10.331	1061268.22	1461235.19	8.088	1.68	
10457	54.5941	100.4826	25.082	1061248.66	1461234.65	3.704	1.68	
10458	79.3435	95.3252	44.165	1061241.32	1461257.36	4.138	1.68	
10459	102.133	94.5036	22.158	1061263.69	1461246.05	6.536	1.68	
10460	80.5415	94.2805	55.549	1061234.42	1461266.54	4.08	1.68	
10461	106.4902	92.1326	34.182	1061262.01	1461258.21	8.261	0.5	
10462	88.5725	91.4134	69.047	1061232.92	1461282.63	4.048	4	
10463	62.1902	88.5641	275.301	1060523.12	1460547.36	13.488	1.68	
10464	60.3023	83.3455	21.88	1060503.85	1460557.42	15.764	1.68	
10465	54.1317	85.522	71.998	1060436.93	1460583.49	20.787	1.68	
1				1061780.51	1459987.03	21.318	1.5	GPS3
2	282.0116	90.0645	49.0658	1061732.52	1459997.25	21.4218	1.3	GPS3-GPS4
3	177.0934	94.1034	37.3031	1061782.35	1459949.87	18.4016	1.7	GPS3-D1
4	357.0932	85.0531	37.3434	1061780.51	1459987.03	21.3267	1.7	D1-GPS3
5	176.5113	93.1513	82.0783	1061786.85	1459868.05	13.8735	1.3	D1-D2
6	356.5113	86.3602	82.0833	1061782.35	1459949.86	18.4112	1.7	D2-D1
7	157.1218	117.3126	25.0232	1061795.45	1459847.59	2.3798	1.3	D2-D3
8	337.1215	62.4403	24.9639	1061786.85	1459868.05	13.8813	1.3	D3-D2
45	229.39	89.3929	508.2209	1061408.14	1459518.55	5.0962	1.7	D3-D4
46	49.3906	90.2034	508.2195	1061795.45	1459847.58	2.3977	1.4	D4-D3
96	215.18	90.3158	228.9495	1061275.84	1459331.7	3.394	1.3	D4-D5
97	35.1802	89.2938	228.9531	1061408.14	1459518.55	5.4503	1.4	D5-D4
140	275.1524	90.073	219.4793	1061057.29	1459351.81	3.0487	1.3	D5-D6
141	95.1523	89.5615	219.4751	1061275.84	1459331.7	3.3962	1.35	D6-D5
188	3.1918	89.3005	306.287	1061075.03	1459657.57	5.6206	1.555	D6-D7
189	183.1918	90.2838	306.2849	1061057.29	1459351.81	3.1009	1.45	D7-D6
262	341.2513	90.0022	254.2246	1060994.03	1459898.54	5.373	1.7	D7-D8
263	161.2513	89.5823	254.2217	1061075.03	1459657.57	5.6671	1.3	D8-D7
334	301.1254	90.2458	356.0841	1060689.5	1460083.08	2.9646	1.3	D8-D9
335	121.1254	89.3736	356.0867	1060994.03	1459898.54	5.3543	1.4	D9-D8
384	326.3441	89.5436	318.9208	1060513.84	1460349.26	3.2328	1.7	D9-D10
385	146.3441	90.003	318.9253	1060689.51	1460083.08	2.9705	1.7	D10-D9
459	49.3541	90.1838	191.0958	1060659.36	1460473.13	2.3768	1.3	D10-D11
460	229.3542	89.4546	191.0947	1060513.84	1460349.26	3.2603	1.3	D11-D10
505	54.0607	88.5535	190.2957	1060813.48	1460584.69	6.0346	1.3	D11-D12
511	234.0606	91.0725	190.3046	1060659.35	1460473.12	2.3954	1.3	D12-D11
583	4.2949	90.4214	283.6892	1060835.72	1460867.48	2.6456	1.3	D12-D13
584	184.2951	89.2129	283.6807	1060813.48	1460584.69	6.0439	1.3	D13-D12
647	90.3952	89.5824	392.0195	1061227.71	1460862.94	2.7035	1.65	D13-D14
648	270.3951	89.5701	392.0222	1060835.72	1460867.48	2.6532	1.75	D14-D13
729	6.3955	89.5057	322.6305	1061265.16	1461183.38	3.6103	1.3	D14-D15
737	186.3955	90.0927	322.6301	1061227.71	1460862.94	2.7163	1.35	D15-D14
797	333.1006	90.0547	382.764	1061091.52	1461524.765	2.7608	1.55	D15-D2C
798	153.1007	89.5516	382.7669	1061265.16	1461183.38	3.6403	1.1	D2C-D15

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
890	317.3745	63.5634	21.3176	1061078.76	1461538.94	12.268	1.3	D2C-D2B
2163	137.3708	115.4225	21.257	1461091.66	1061524.77	2.7624	1.7	D2B -D2C
2125	294.5257	79.2709	29.3664	1461052.56	1061551.06	17.3586	1.7	D2B - D2A
2124	114.5259	99.3344	29.2735	1461078.75	1061538.91	12.263	1.7	D2A - D2B
2105	298.4804	88.4134	61.4469	1460998.74	1061580.66	18.528	1.7	D2A -D2
2104	118.4804	90.5658	61.4396	1461052.57	1061551.06	17.3158	1.7	D2 -D2A
2070	33.1613	90.2425	92.3045	1461049.37	1061657.83	17.6785	1.7	D2 - GPS1
2022	213.1611	89.2049	92.3153	1460998.74	1061580.66	18.5236	1.7	GPS1 - D2
2001	284.323	89.2037	47.1856	1461003.7	1061669.68	18.0116	1.7	GPS1 - GPS2
2000				1461049.37	1061657.84	17.656	1.515	GPS1