

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

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2				1077430.992	1406034.67	145.8942	1.28	D1
3	197.4226	90.1232	176.1888	1077377.499	1405866.8	144.989	1.7	D1-GPS1
4	196.1234	90.2106	170.8548	1077383.392	1405870.584	144.5824	1.7	VIA
5	197.5935	90.2107	171.233	1077378.191	1405871.785	144.5798	1.7	VIA
6	197.5634	90.1846	129.0988	1077391.291	1405911.83	144.9256	1.7	VIA
7	195.5913	90.1845	125.5339	1077396.486	1405913.974	144.9458	1.7	VIA
8	197.3814	90.3051	99.688	1077400.842	1405939.655	144.7351	1.7	VIA
9	195.0838	90.3055	98.487	1077405.318	1405939.593	144.7442	1.7	VIA
10	197.2127	90.3914	76.2301	1077408.293	1405961.904	144.7596	1.7	VIA
11	194.26	90.3948	79.9299	1077411.114	1405957.257	144.7043	1.7	VIA
12	194.1432	90.3951	75.8796	1077412.367	1405961.117	144.7499	1.7	VIA
13	196.595	90.462	42.5478	1077418.578	1405993.978	145.0559	1.7	VIA
14	192.0729	90.2533	34.6082	1077423.742	1406000.831	145.3721	1.7	VIA
15	249.3718	91.5142	2.9841	1077428.197	1406033.63	145.5323	1.7	VIA
16	318.3018	91.2425	5.0833	1077427.623	1406038.475	145.5044	1.7	VIA
17	283.3128	91.3303	23.4947	1077408.154	1406040.15	144.9934	1.7	VIA
18	291.3357	91.1519	25.6828	1077407.107	1406044.095	145.0667	1.7	VIA
19	286.0555	91.1557	56.9475	1077376.282	1406050.427	144.3715	1.7	VIA
20	289.3526	91.1002	58.2449	1077376.119	1406054.164	144.443	1.7	VIA
21	285.3331	91.0834	77.6927	1077356.149	1406055.463	144.08	1.7	VIA
22	290.1057	91.0832	71.2099	1077364.154	1406059.196	144.2102	1.7	VIA
23	12.1327	89.2439	18.1613	1077434.827	1406052.421	145.816	1.7	VIA
24	24.2239	89.4353	19.4654	1077439.016	1406052.405	145.7205	1.7	VIA
25	17.2218	89.4349	38.478	1077442.459	1406071.399	145.8104	1.7	VIA
26	23.3737	89.4434	43.5652	1077448.429	1406074.593	145.8249	1.7	VIA
27	17.4721	89.5236	45.0989	1077444.746	1406077.621	145.7264	1.7	VIA
28	24.1659	90.0532	67.5457	1077458.735	1406096.256	145.5206	1.7	VIA
29	20.2242	90.0529	67.8899	1077454.596	1406098.325	145.5211	1.7	VIA
30	21.3138	90.1529	105.2992	1077469.575	1406132.645	145.1557	1.7	VIA
31	24.1458	90.153	105.8131	1077474.395	1406131.171	145.1527	1.7	VIA
32	24.3109	90.1531	118.3587	1077480.049	1406142.383	145.0959	1.7	VIA
33	21.1644	90.1245	119.5027	1077474.297	1406146.05	145.1867	1.7	VIA
34	21.1957	90.0607	127.3591	1077477.255	1406153.33	145.4036	1.7	VIA
35	23.2156	90.0959	125.7963	1077480.816	1406150.178	145.265	1.7	VIA
36	23.0811	90.0634	165.0733	1077495.766	1406186.504	145.3158	1.7	VIA
37	21.3041	90.0957	164.9871	1077491.403	1406188.199	145.1537	1.7	VIA
38	21.4706	90.1818	210.4799	1077508.994	1406230.16	144.5113	1.7	VIA
39	22.5503	90.1858	210.5149	1077512.856	1406228.612	144.4706	1.7	VIA
40	23.1036	90.2053	231.6856	1077522.053	1406247.706	144.2259	1.7	VIA
41	21.2522	90.2058	233.0208	1077515.978	1406251.636	144.2121	1.7	VIA
42	21.28	90.224	239.0946	1077518.363	1406257.224	144.0571	1.7	VIA
43	23.1324	90.2158	237.1305	1077524.371	1406252.636	144.1174	1.7	VIA
44	21.0211	90.3517	231.1881	1077513.853	1406250.486	144.4604	0.5	PARAMENTO
45	23.5108	90.3419	227.6144	1077522.912	1406242.886	144.5601	0.5	PARAMENTO
46	19.3723	89.1327	130.2474	1077474.659	1406157.367	145.3939	3.7	PARAMENTO
47	25.1125	90.0918	127.3331	1077485.122	1406149.924	145.2861	1.7	PARAMENTO
48	25.4319	90.1315	115.4964	1077481.058	1406138.75	145.1852	1.7	PARAMENTO
49	20.331	90.223	117.6667	1077472.238	1406144.869	145.2599	1.3	PARAMENTO
50	23.044	90.0629	123.6015	1077479.377	1406148.408	145.3974	1.7	PZA
51	21.4742	89.3008	41.1326	1077446.242	1406072.87	145.9866	1.7	PZA
52	15.4919	89.5317	49.5691	1077444.48	1406082.369	145.7261	1.7	PARAMENTO
53	14.2834	89.2632	36.4041	1077440.072	1406069.922	145.9836	1.7	PARAMENTO
54	27.0801	89.3002	41.6007	1077449.943	1406071.702	145.9919	1.7	CERCA
55	337.0852	88.5436	7.3896	1077428.119	1406041.477	145.7698	1.7	PARAMENTO
56	59.0359	86.5957	7.1351	1077437.102	1406038.337	146.0027	1.7	CERCA
57	297.013	90.5233	29.8812	1077404.369	1406048.231	145.1725	1.7	PARAMENTO
58	291.1358	91.0734	68.9482	1077366.722	1406059.599	144.2744	1.7	PARAMENTO
59	285.0305	91.0426	78.912	1077354.789	1406055.116	144.1506	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
60	277.4941	91.1234	79.547	1077352.197	1406045.458	143.9506	1.7	NIVEL
61	280.3843	91.1644	23.4283	1077407.97	1406038.984	145.1064	1.7	PARAMENTO
62	242.1842	91.1148	31.7485	1077402.893	1406019.905	144.9662	1.7	PARAMENTO
63	242.1841	90.572	51.7488	1077385.189	1406010.602	144.7662	1.7	NIVEL
64	213.0244	90.3659	83.2762	1077385.623	1405964.844	144.7336	1.7	PARAMENTO
65	219.5337	90.2832	83.8725	1077377.237	1405970.292	144.9336	1.7	NIVEL
66	198.3502	90.3618	77.4133	1077406.364	1405961.284	144.8121	1.7	PARAMENTO
67	192.0411	90.2923	75.4583	1077415.256	1405960.874	144.9847	1.7	PARAMENTO
68	192.3259	90.2733	80.085	1077413.635	1405956.491	144.9879	1.7	PARAMENTO
69	198.2226	90.3806	183.6145	1077373.216	1405860.394	143.5969	1.7	PARAMENTO
70	195.4216	90.351	182.1633	1077381.787	1405859.288	142.6683	2.8	PARAMENTO
71	191.3748	91.1431	55.5137	1077419.834	1405980.303	144.4261	1.7	NIVEL
72	191.4011	90.4052	55.1687	1077419.864	1405980.64	144.9736	1.7	ALCANTARILLA
73	191.4025	90.41	55.8917	1077419.715	1405979.932	144.9629	1.7	ALCANTARILLA
74	198.0049	90.4426	56.2117	1077413.64	1405981.209	144.9028	1.7	ALCANTARILLA
75	198.0401	90.473	55.4163	1077413.837	1405981.982	144.8637	1.7	ALCANTARILLA
76	198.1013	91.2238	55.7764	1077413.633	1405981.681	144.2889	1.7	NIVEL
77	164.0607	90.1224	86.6596	1077454.777	1405951.34	145.317	1.7	D-1 - D-1A
78	21.2008	89.2852	40.7514	1077445.796	1406072.636	145.9983	1.7	D-1 - D-2
79	23.0339	90.0631	123.2294	1077479.264	1406148.052	145.3967	1.7	D-1 - D-3
80	192.5345	90.3955	53.6528	1077419.019	1405982.374	145.0065	1.7	D-1 - GPS2
81	344.0635	89.2839	86.6606	1077431.004	1406034.672	145.9277	1.7	D-1A - D-1
82	64.0713	83.0147	6.8848	1077460.924	1405954.326	145.9725	1.7	CERCA
83	88.5603	81.473	5.6589	1077460.377	1405951.447	145.9449	1.7	PARAMENTO
84	251.5417	91.2413	4.8152	1077450.203	1405949.842	145.0191	1.7	PARAMENTO
85	187.4807	89.5143	43	1077448.964	1405908.734	145.2408	1.7	PARAMENTO
86	168.3541	89.065	45.5443	1077463.808	1405906.705	145.8414	1.7	PARAMENTO
87	185.4242	89.5943	53.3559	1077449.497	1405898.246	145.1416	1.7	PARAMENTO
88	197.5642	91.0437	64.3189	1077434.999	1405890.149	143.9283	1.7	CORONA
89	196.3816	91.122	58.8777	1077437.955	1405894.93	145.3986	0.2	VIA
90	192.3115	90.2348	61.1286	1077441.559	1405891.659	144.7142	1.7	VIA
91	197.3044	90.0706	38.9593	1077443.075	1405914.179	145.0566	1.7	VIA
92	189.1859	90.1503	31.6213	1077449.676	1405920.133	144.9986	1.7	VIA
93	133.0236	83.5727	3.1698	1077457.082	1405949.189	145.4707	1.7	VIA
94	54.5206	86.1829	4.1793	1077458.187	1405953.742	145.4061	1.7	VIA
95	260.2533	89.5745	3.9353	1077450.897	1405950.683	145.1396	1.7	VIA
96	303.1009	91.211	6.259	1077449.538	1405954.76	144.9892	1.7	VIA
97	284.2646	90.3349	23.4994	1077432.019	1405957.189	144.9058	1.7	VIA
98	277.1442	90.3345	23.5836	1077431.382	1405954.3	144.9054	1.7	VIA
99	344.1532	90.0059	29.9141	1077446.646	1405980.127	145.1285	1.7	CULATA CERCA
100	203.0341	89.3811	123.2231	1077430.996	1406034.678	145.9045	1.7	D-3 - D-1
101	119.3108	90.1321	27.6394	1077503.323	1406134.447	145.0144	1.7	VIA
102	122.3928	90.1325	36.2344	1077509.78	1406128.516	144.9803	1.7	VIA
103	133.4022	89.5528	29.4853	1077500.602	1406127.703	145.1607	1.7	VIA
104	123.5953	89.5724	59.1282	1077528.303	1406115.017	145.1667	1.7	VIA
105	129.3758	89.472	59.6769	1077525.245	1406110.012	145.3418	1.7	VIA
106	124.0053	89.5615	80.0384	1077545.632	1406103.315	145.2093	1.7	VIA
107	127.4209	89.4355	81.7723	1077543.989	1406098.08	145.5048	1.7	VIA
108	126.4954	89.5802	87.6171	1077549.422	1406095.568	145.1724	1.7	VIA
109	123.3518	90.0309	86.6286	1077551.455	1406100.168	145.0427	1.7	VIA
110	112.1605	87.5958	83.0297	1077556.072	1406116.651	144.7205	5	CERCA
111	112.0414	88.0146	85.3142	1077558.297	1406116.059	144.756	5	CERCA
112	112.0412	88.044	87.5666	1077560.387	1406115.214	144.7596	5	PARAMENTO
113	112.3149	87.5546	80.7205	1077553.792	1406117.184	144.7387	5	PARAMENTO
114	122.4733	90.4403	79.6778	1077546.263	1406104.94	145.3011	0.5	PARAMENTO
115	127.0831	89.5644	88.815	1077550.092	1406094.466	145.2066	1.7	CERCA
116	118.4535	90.2854	47.6228	1077521.023	1406125.163	145.2216	1.2	PARAMENTO
117	121.0006	90.0839	47.3246	1077519.842	1406123.699	145.2027	1.5	PARAMENTO
118	119.0213	90.0234	38.1232	1077512.606	1406129.566	145.0934	1.7	PARAMENTO
119	138.0539	89.5525	29.3941	1077498.909	1406126.186	145.1609	1.7	PARAMENTO
120	113.502	90.0024	26.7156	1077503.706	1406137.268	145.1187	1.7	ESQ-PARAMENTO
121	126.0754	89.5206	32.3959	1077505.439	1406128.964	145.1962	1.7	PZA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
122	133.3033	89.5148	37.2091	1077506.265	1406122.45	145.2106	1.7	PZA
123	126.2829	89.5027	31.9152	1077504.938	1406129.093	145.2104	1.7	D-3 - D-3A
124	309.1309	89.5137	37.2684	1077450.377	1406171.599	145.2128	1.7	VIA
125	299.4029	89.3655	34.7995	1077449.019	1406165.262	145.3555	1.7	VIA
126	308.4429	90.0254	63.6153	1077429.623	1406187.834	145.0684	1.7	VIA
127	304.1502	89.5648	62.0028	1077427.993	1406182.918	145.1798	1.7	VIA
128	304.2928	89.5842	68.42	1077422.849	1406186.764	145.148	1.7	VIA
129	308.3646	90.0326	68.7742	1077425.5	1406190.94	145.0532	1.7	VIA
130	307.5833	90.05	89.7366	1077408.496	1406203.229	144.9915	1.7	VIA
131	305.0237	90.0914	90.1499	1077405.427	1406199.773	144.8801	1.7	VIA
132	305.2418	90.1238	112.2562	1077387.73	1406213.035	144.7103	1.7	VIA
133	308.0503	90.1248	113.2089	1077390.117	1406217.83	144.7013	1.7	VIA
134	308.1817	90.1436	119.3416	1077385.572	1406221.971	144.6161	1.7	VIA
135	305.5113	90.1431	119.0558	1077382.728	1406217.729	144.6196	1.7	VIA
136	306.4446	89.5721	66.2202	1077426.179	1406187.639	145.1731	1.7	D-3 - D-4
137	306.1009	90.2044	137.167	1077368.488	1406228.939	144.2956	1.7	VIA
138	308.0431	90.1902	137.3054	1077371.13	1406232.665	144.3627	1.7	VIA
139	308.0655	90.2111	164.0542	1077350.135	1406249.238	144.1125	1.7	VIA
140	306.1201	90.2107	163.1178	1077347.582	1406244.314	144.1217	1.7	VIA
141	306.2204	90.2317	169.0791	1077343.063	1406248.23	143.9786	1.7	VIA
142	308.1629	90.2312	170.5601	1077345.309	1406253.624	143.973	1.7	VIA
143	308.4624	90.1944	160.4121	1077354.147	1406248.436	144.203	1.7	ESQ-PARAMENTO
144	305.1905	90.2056	159.0637	1077349.425	1406239.933	144.1546	1.7	ESQ-PARAMENTO
145	307.2208	90.1307	117.2763	1077386.06	1406219.232	144.6751	1.7	D-3 - D-5
146	304.5644	90.1527	120.4377	1077380.503	1406216.981	144.5814	1.7	ESQ-PARAMENTO
147	308.522	90.1406	122.6771	1077383.711	1406224.987	144.6195	1.7	ESQ-PARAMENTO
148	304.1116	90.1223	109.4845	1077388.664	1406209.52	144.7279	1.7	ESQ-PARAMENTO
149	309.2311	90.1128	110.9185	1077393.497	1406218.385	144.7523	1.7	ESQ-PARAMENTO
150	307.2103	90.1347	116.5379	1077386.584	1406218.701	144.6555	1.7	PZA
151	301.5437	89.5905	71.3851	1077418.645	1406185.751	145.1412	1.7	PZA
152	310.2738	90.0301	72.3251	1077424.208	1406194.954	145.0585	1.7	PZA
153	299.084	89.3414	56.582	1077429.831	1406175.579	145.546	1.7	PZA
154	311.3848	89.5745	60.9592	1077433.689	1406188.535	145.162	1.7	PZA
155	306.5333	89.5737	66.5329	1077426.03	1406187.962	145.168	1.7	PZA
156	306.2829	89.1618	31.9068	1077479.272	1406148.045	145.4061	1.7	D-3A - D-3
157	35.5251	89.5153	48.4759	1077533.327	1406168.387	145.1149	1.7	VIA
158	29.0754	89.3753	47.5037	1077528.039	1406170.601	145.3063	1.7	VIA
159	29.2822	90.2537	105.5234	1077556.803	1406220.988	144.2148	1.7	VIA
160	33.0042	90.3337	104.8266	1077561.996	1406217.025	143.9758	1.7	VIA
161	33.0323	90.3526	110.1844	1077564.984	1406221.472	143.8654	1.7	VIA
162	28.4027	90.2931	111.8619	1077558.554	1406227.264	144.0407	1.7	VIA
163	28.5034	90.3005	114.1159	1077559.93	1406229.08	144.0025	1.7	ESQ-PARAMENTO
164	29.4916	90.5653	132.8121	1077570.91	1406244.341	142.8041	1.7	PROYE.PARAMENTO
165	28.1339	90.2353	101.4594	1077552.874	1406218.512	144.2965	1.7	PROYE.PARAMENTO
166	34.1846	90.3542	100.9014	1077561.767	1406212.463	143.9533	1.7	PROYE.PARAMENTO
167	38.0111	89.4939	53.3819	1077537.793	1406171.166	145.1613	1.7	PROYE.PARAMENTO
168	26.0352	89.4936	50.2678	1077526.999	1406174.261	145.2527	1.6	PROYE.PARAMENTO
169	31.1058	90.2212	106.5953	1077560.077	1406220.317	144.3127	1.7	PZA
170	31.3739	89.2734	47.6001	1077529.875	1406169.636	145.4496	1.7	PZA
171	126.4447	89.3639	66.2227	1077479.264	1406148.051	145.4131	1.7	D-4 - D-3
172	204.1042	89.1604	35.2193	1077411.774	1406155.504	145.4132	1.7	VIA
173	210.2805	89.2027	36.9098	1077407.483	1406155.818	145.3877	1.7	VIA
174	210.2702	89.3658	78.0039	1077386.686	1406120.374	145.486	1.7	VIA
175	206.0215	89.3945	79.0809	1077391.507	1406116.566	145.4294	1.7	VIA
176	206.0653	89.4714	86.25	1077388.259	1406110.173	145.284	1.7	VIA
177	210.3744	89.4316	85.3443	1077382.741	1406114.178	145.379	1.7	VIA
178	207.3951	89.5649	107.2099	1077376.457	1406092.657	145.063	1.7	PZA
179	205.2308	89.5646	108.2999	1077379.806	1406089.77	145.0658	1.7	PARAMENTO
180	210.0254	90.0507	107.129	1077372.589	1406094.877	144.8043	1.7	PARAMENTO
181	203.4426	89.3414	88.3237	1077390.668	1406106.772	145.6254	1.7	PARAMENTO
182	208.004	89.3111	80.758	1077388.294	1406116.323	145.6407	1.7	PZA
183	204.1158	89.3257	77.4395	1077394.477	1406116.989	145.5726	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
184	211.4404	89.3718	74.7968	1077386.875	1406124.004	145.4572	1.7	ESQ-PARAMENTO
185	197.2636	89.1523	38.4015	1077414.69	1406151	145.4616	1.7	PARAMENTO
186	220.404	88.5441	25.5651	1077409.53	1406168.245	145.4489	1.7	PARAMENTO
187	36.5141	90.18	45.5607	1077453.489	1406224.107	144.7247	1.7	PARAMENTO
188	21.4814	90.0605	35.6853	1077439.415	1406220.779	144.9	1.7	PARAMENTO
189	29.1308	90.2302	51.1279	1077451.112	1406232.275	144.6207	1.7	PZA
190	26.3829	90.3126	105.9164	1077473.617	1406282.333	143.9955	1.7	ESQ-PARAMENTO
191	32.0152	90.2946	103.7225	1077481.14	1406275.599	144.0659	1.7	ESQ-PARAMENTO
192	31.39	90.2726	116.3357	1077487.166	1406286.704	144.0355	1.7	ESQ-PARAMENTO
193	26.4416	90.3224	105.9406	1077473.787	1406282.275	143.9656	1.7	ESQ-PARAMENTO
194	31.3949	90.322	126.175	1077492.349	1406295.065	143.7777	1.7	ESQ-PARAMENTO
195	26.4526	90.3222	126.5516	1077483.087	1406300.667	143.7729	1.7	ESQ-PARAMENTO
196	29.2159	90.2702	111.1226	1077480.617	1406284.51	144.09	1.7	PZA
197	31.0802	90.3233	112.2971	1077484.184	1406283.79	143.9007	1.7	VIA
198	27.3607	90.3341	113.8222	1077478.857	1406288.532	143.8488	1.7	VIA
199	31.1953	90.3227	106.781	1077481.65	1406278.876	143.956	1.7	VIA
200	27.4813	90.3238	106.2185	1077475.669	1406281.619	143.9556	1.7	VIA
201	27.2919	90.3536	68.7958	1077457.897	1406248.683	144.251	1.7	VIA
202	31.3432	90.3019	59.5065	1077457.308	1406238.351	144.4385	1.7	VIA
203	29.1107	90.231	51.0837	1077451.064	1406232.251	144.6189	1.7	VIA
204	127.2206	89.3142	117.2799	1077479.264	1406148.051	145.4214	1.7	D-5 - D-3
205	25.205	90.013	33.5947	1077400.425	1406249.6	144.4406	1.7	VIA
206	33.3014	90.1003	37.9543	1077406.992	1406250.891	144.3442	1.7	VIA
207	27.1815	90.1652	105.8835	1077434.576	1406313.344	143.9365	1.7	VIA
208	30.175	90.1654	107.0899	1077440.032	1406311.725	143.9294	1.7	VIA
209	27.0128	90.2037	116.856	1077439.096	1406323.357	143.755	1.7	VIA
210	30.2606	90.2135	113.8115	1077443.656	1406317.391	143.7412	1.7	VIA
211	27.393	90.2603	176.8953	1077468.083	1406375.955	143.1166	1.7	VIA
212	29.4923	90.3028	175.1588	1077473.081	1406371.237	142.9046	1.7	VIA
213	27.3006	90.2629	176.8726	1077467.644	1406376.159	143.095	1.7	PARAMENTO
214	30.1944	90.5036	173.773	1077473.714	1406369.256	143.2993	0.3	PARAMENTO
215	27.0934	90.2735	147.5201	1077453.322	1406350.52	143.2727	1.7	PARAMENTO
216	31.0624	90.5616	144.4408	1077460.603	1406342.929	143.4927	0.3	PARAMENTO
217	26.284	90.1851	117.5443	1077438.407	1406324.475	143.8114	1.7	PARAMENTO
218	31.2457	90.5438	115.5371	1077446.219	1406317.854	143.8199	0.5	PARAMENTO
219	28.2152	90.1619	110.4052	1077438.455	1406316.411	143.9318	1.7	PZA
220	25.4135	90.1623	105.0583	1077431.554	1406313.927	143.9551	1.7	ESQ-PARAMENTO
221	32.1126	90.1623	102.1724	1077440.441	1406305.728	143.9688	1.7	ESQ-PARAMENTO
222	28.4429	90.061	60.3915	1077415.07	1406272.199	144.347	1.7	PZA
223	22.0019	90.0603	48.0807	1077404.05	1406263.82	144.3705	1.7	PARAMENTO
224	34.2954	90.0832	58.3489	1077419.08	1406267.338	144.3104	1.7	PARAMENTO
225	197.491	89.2844	40.4438	1077373.706	1406180.723	144.8231	1.7	PARAMENTO
226	215.2947	89.1958	36.6831	1077364.778	1406189.356	144.8823	1.7	PARAMENTO
227	203.2745	89.4919	78.4271	1077354.875	1406147.271	144.6992	1.7	ESQ-PARAMENTO
228	211.5253	90.0354	75.1144	1077346.424	1406155.426	144.3703	1.7	ESQ-PARAMENTO
229	203.3653	89.5426	87.8197	1077350.926	1406138.746	144.598	1.7	ESQ-PARAMENTO
230	203.3651	89.5425	87.8185	1077350.928	1406138.747	144.5981	1.7	ESQ-PARAMENTO
231	210.0916	90.0143	86.8131	1077342.493	1406144.142	144.4124	1.7	ESQ-PARAMENTO
232	205.4346	90.225	161.6804	1077315.955	1406073.545	143.3828	1.7	ESQ-PARAMENTO
233	209.0936	90.0901	154.4276	1077310.892	1406084.334	143.2513	2.5	ESQ-PARAMENTO
234	208.3547	90.322	164.9712	1077307.184	1406074.346	142.9057	1.7	NIVEL
236	207.1643	90.2622	156.7373	1077314.306	1406079.889	143.255	1.7	VIA
237	208.3518	90.2429	152.9566	1077312.946	1406084.885	143.3672	1.7	VIA
238	207.0214	90.1652	121.4711	1077330.905	1406111.006	143.86	1.7	VIA
239	209.0228	90.1204	117.6253	1077329.019	1406116.363	144.0429	1.7	VIA
240	205.4832	89.5811	84.4489	1077349.336	1406143.186	144.5003	1.7	VIA
241	209.1325	89.581	84.0212	1077345.081	1406145.881	144.5004	1.7	VIA
242	205.3248	89.5425	79.6189	1077351.765	1406147.377	144.5847	1.7	VIA
243	209.4509	89.5921	78.1181	1077347.332	1406151.389	144.4704	1.7	VIA
244	207.3258	89.4704	80.3931	1077348.918	1406147.934	144.7579	1.7	PZA
245	210.4208	89.3405	46.1764	1077362.506	1406179.515	144.8034	1.7	VIA
246	203.0003	89.3406	45.5439	1077368.288	1406177.299	144.7983	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
247	160.2421	62.49	0.4515	1077386.195	1406218.853	144.6614	1.7	PZA
248	307.3323	90.2148	50.1173	1077346.313	1406249.757	144.1374	1.7	D-5 - D-6
249	307.4402	90.2515	99.1468	1077307.652	1406279.908	143.7274	1.7	D-5 - D-7
250	127.3324	89.0646	50.1181	1077386.056	1406219.234	144.6836	1.7	VIA
251	31.5543	89.5435	49.0207	1077372.214	1406291.376	143.9848	1.7	D-6 - D-6
252	26.4447	90.0002	48.3504	1077368.048	1406292.947	143.907	1.7	VIA
253	27.0635	90.0417	107.8468	1077395.403	1406345.783	143.774	1.7	VIA
254	29.5653	90.0402	107.0124	1077399.682	1406342.511	143.7826	1.7	VIA
255	29.4352	90.0844	113.8185	1077402.703	1406348.624	143.6192	1.7	VIA
256	27.1246	90.0655	114.6166	1077398.668	1406351.717	143.6775	1.7	VIA
257	29.2412	90.1158	144.1532	1077417.013	1406375.381	143.4072	1.7	VIA
258	27.445	90.1111	151.2462	1077416.652	1406383.651	143.4171	1.7	VIA
259	27.2902	90.1132	180.926	1077429.718	1406410.31	143.3023	1.7	VIA
260	29.1136	90.1145	178.9509	1077433.508	1406406.026	143.2979	1.7	VIA
261	27.4443	90.1158	188.1478	1077433.809	1406416.321	143.2549	1.7	VIA
262	29.0558	90.1408	186.7592	1077437.045	1406412.993	143.1422	1.7	VIA
263	27.2842	90.1618	246.5376	1077459.943	1406468.544	142.7421	1.7	VIA
264	28.5057	90.1415	249.5043	1077466.575	1406468.363	142.8774	1.7	VIA
265	27.3027	90.1558	254.4575	1077463.708	1406475.513	142.7302	1.7	VIA
266	28.3234	90.1438	280.3222	1077480.113	1406496.083	142.7191	1.7	VIA CERCA
267	27.2909	90.1557	280.2998	1077475.537	1406498.489	142.6122	1.7	VIA CERCA
268	27.2907	90.1556	280.3156	1077475.542	1406498.504	142.6135	1.7	NIVEL
269	27.2906	90.1313	299.96	1077484.597	1406515.937	142.7598	1.7	PARAMENTO
270	27.1728	90.313	279.6837	1077474.404	1406498.371	142.65	0.4	PARAMENTO
271	29.0335	90.283	280.6039	1077482.464	1406495.106	142.8866	0.4	PARAMENTO
272	27.083	90.315	254.6184	1077462.333	1406476.394	142.8539	0.4	PARAMENTO
273	29.1118	90.3051	249.3962	1077467.811	1406467.545	142.9733	0.4	PARAMENTO
274	26.5625	90.1541	245.518	1077457.422	1406468.692	142.7915	1.7	PARAMENTO
275	28.055	90.1138	249.2845	1077463.593	1406469.728	143.0679	1.7	PZA
276	26.442	90.1207	189.1793	1077431.332	1406418.754	143.2431	1.7	ESQ-PARAMENTO
277	29.4554	90.3347	187.7268	1077439.411	1406412.762	143.2648	0.5	ESQ-PARAMENTO
278	26.2413	90.1134	177.276	1077425.055	1406408.584	143.3133	1.7	ESQ-PARAMENTO
279	28.3713	90.1051	181.2733	1077433.052	1406408.93	143.3371	1.7	PZA
280	30.2414	90.2424	175.1511	1077434.867	1406400.868	143.3666	1	ESQ-PARAMENTO
281	25.4104	90.4528	118.2281	1077397.489	1406356.323	143.5446	0.5	ESQ-PARAMENTO
282	31.2602	90.081	115.5138	1077406.499	1406348.352	143.6338	1.7	ESQ-PARAMENTO
283	25.4952	90.0505	106.4771	1077392.653	1406345.621	143.7506	1.7	ESQ-PARAMENTO
284	28.3419	90.0356	110.7893	1077399.244	1406347.084	143.7815	1.7	PZA
285	32.0143	90.0905	104.3322	1077401.594	1406338.239	143.8326	1.5	ESQ-PARAMENTO
286	24.131	89.564	54.9164	1077368.813	1406299.852	143.9607	1.7	PARAMENTO
287	36.4721	89.353	45.67	1077373.642	1406286.346	144.2331	1.7	PARAMENTO
288	27.3252	89.4947	52.8178	1077370.714	1406296.6	144.0646	1.7	PZA
289	351.5236	88.5746	7.2553	1077345.284	1406256.938	144.0387	1.7	ESQ-PARAMENTO
290	248.3833	87.3821	6.4945	1077340.271	1406247.39	144.1749	1.7	ESQ-PARAMENTO
291	197.3249	89.4752	33.5917	1077336.203	1406217.723	144.026	1.7	PARAMENTO
292	214.0533	91.5842	35.7245	1077326.317	1406220.179	143.8743	0.5	PARAMENTO
293	204.0014	90.4632	76.8204	1077315.105	1406179.569	142.9678	1.6	ESQ-PARAMENTO
294	211.3149	91.2739	74.1875	1077307.565	1406186.521	143.0166	0.7	ESQ-PARAMENTO
295	203.4938	90.4725	87.6847	1077310.939	1406169.533	142.7984	1.6	ESQ-PARAMENTO
296	210.4842	90.4223	84.8198	1077302.911	1406176.89	142.8623	1.7	ESQ-PARAMENTO
297	205.2241	90.4706	123.9786	1077293.245	1406137.723	142.21	1.7	ESQ-PARAMENTO
298	208.0512	90.3656	127.6142	1077286.298	1406137.143	142.5372	1.7	ESQ-PARAMENTO
299	205.3456	90.3522	124.6973	1077292.534	1406137.26	142.6258	1.7	VIA
300	207.5124	90.2642	121.6339	1077289.54	1406142.189	142.9636	1.7	VIA
301	205.1614	90.4002	84.1008	1077310.456	1406173.689	142.9284	1.7	VIA
302	209.0713	90.4239	83.2593	1077305.839	1406177.004	142.8751	1.7	VIA
303	205.5923	90.4223	78.764	1077311.84	1406178.944	142.9366	1.7	VIA
304	209.1128	90.5119	77.4428	1077308.584	1406182.136	142.7516	1.7	VIA
305	207.5918	90.1654	49.7067	1077323.011	1406205.851	143.6631	1.7	PZA
306	204.1655	90.1933	41.3884	1077329.314	1406212.021	143.6722	1.7	VIA
307	209.5211	90.2749	43.9134	1077324.465	1406211.666	143.5522	1.7	VIA
308	127.4403	89.1832	99.1487	1077386.058	1406219.234	144.6842	1.73	D-7 - D-5

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
309	176.5632	89.0542	3.6134	1077307.846	1406276.301	143.5445	1.73	VIA
310	259.4022	90.431	4.1616	1077303.558	1406279.16	143.4351	1.73	VIA
311	65.0642	88.1107	3.1912	1077310.544	1406281.252	143.5885	1.73	VIA
312	341.0036	89.1604	4.5703	1077306.162	1406284.229	143.5458	1.73	VIA
313	28.2032	90.4214	43.5854	1077328.32	1406318.278	143.682	1	VIA
314	23.5327	89.5602	43.4887	1077325.242	1406319.681	143.5676	1.7	VIA
315	29.1326	90.5327	107.4304	1077360.042	1406373.684	143.4479	0.1	VIA
316	26.334	90.0326	107.8884	1077355.839	1406376.438	143.4107	1.7	VIA
317	28.5633	90.4923	114.0542	1077362.784	1406379.739	143.4797	0.1	VIA
318	26.4102	90.0307	114.7303	1077359.115	1406382.449	143.414	1.7	VIA
319	28.3321	90.3519	178.6893	1077392.974	1406436.901	143.1839	0.2	VIA
320	27.1251	90.0854	179.4356	1077389.62	1406439.527	143.0549	1.7	VIA
321	28.2808	90.3612	185.6906	1077396.069	1406443.186	143.1645	0.1	VIA
322	27.0902	90.0844	186.3907	1077392.613	1406445.808	143.0462	1.7	VIA
323	28.4158	90.2811	245.451	1077425.394	1406495.266	142.6089	0.6	VIA
324	27.135	90.1525	246.0812	1077420.127	1406498.779	142.4184	1.7	VIA
325	27.2453	90.1729	251.5509	1077423.345	1406503.272	142.2422	1.7	VIA
326	28.4224	90.2814	250.3239	1077427.76	1406499.526	142.5654	0.6	VIA
327	27.0805	90.131	254.2894	1077423.5	1406506.274	142.5476	1.7	PARAMENTO
328	28.4438	90.2718	253.1812	1077429.275	1406501.955	142.6116	0.6	PARAMENTO
329	27.3729	90.1639	248.2017	1077422.611	1406499.879	142.3195	1.7	PZA
330	26.4224	90.1818	244.0405	1077417.204	1406497.973	142.2228	1.7	PARAMENTO
331	29.2507	90.2434	240.6271	1077425.723	1406489.569	142.8016	0.7	PARAMENTO
332	26.2136	90.0851	188.2448	1077391.138	1406448.627	143.0347	1.7	PARAMENTO
333	29.3022	90.2703	186.8856	1077399.601	1406442.603	143.2491	0.5	PARAMENTO
334	26.0957	90.083	177.6239	1077385.888	1406439.374	143.0803	1.7	PARAMENTO
335	28.0447	90.3545	182.3037	1077393.366	1406440.794	143.2237	0.1	PZ
336	29.5222	90.3936	174.8375	1077394.642	1406431.555	143.1058	0.1	ESQUINA
337	25.0434	90.0034	117.455	1077357.371	1406386.321	143.4989	1.7	ESQUINA
338	30.2632	90.4608	116.6888	1077366.712	1406380.535	143.5527	0.1	ESQUINA
339	28.0146	90.5135	109.9815	1077359.274	1406377.008	143.4678	0.1	PZA
340	30.4438	90.5303	105.0245	1077361.283	1406370.193	143.4976	0.1	ESQ-PARAMENTO
341	24.4414	90.025	105.1422	1077351.595	1406375.427	143.4312	1.7	PARAMENTO
342	22.0034	91.3314	57.9084	1077329.315	1406333.589	143.5474	0.1	PARAMENTO
343	35.0454	89.3738	44.4578	1077333.182	1406316.304	143.8067	1.7	PARAMENTO
344	347.1205	88.434	9.1487	1077305.62	1406288.827	143.7205	1.7	ESQ-PARAMENTO
345	259.5506	90.3217	6.1052	1077301.641	1406278.836	143.4601	1.7	ESQ-PARAMENTO
346	80.5456	88.3511	8.0913	1077315.638	1406281.19	143.717	1.7	ESQ-PARAMENTO
347	170.2814	89.0051	9.7938	1077309.278	1406270.252	143.6859	1.7	ESQ-PARAMENTO
348	201.3845	90.3709	42.0764	1077292.154	1406240.793	143.0628	1.7	PARAMENTO
349	213.5656	90.4216	41.8252	1077284.316	1406245.202	143.0033	1.7	PARAMENTO
350	204.0306	90.4035	77.1226	1077276.262	1406209.469	142.6075	1.7	ESQ-PARAMENTO
351	211.324	90.3542	74.7066	1077268.606	1406216.222	142.7419	1.7	ESQ-PARAMENTO
352	205.1024	90.3827	86.8748	1077270.745	1406201.269	142.5461	1.7	CERCA
353	205.1023	90.3742	106.875	1077262.249	1406183.164	142.3463	1.7	NIVEL
354	211.3004	90.4742	85.0326	1077263.266	1406207.389	142.3381	1.7	NIVEL
355	211.3009	90.451	105.0296	1077252.825	1406190.335	142.1381	1.7	NIVEL
356	211.184	90.3956	82.656	1077264.739	1406209.271	142.5576	1.7	VIA
357	205.4429	90.3954	83.9368	1077271.242	1406204.286	142.5436	1.7	VIA
358	209.3324	90.4132	78.018	1077269.208	1406212.026	142.5752	1.7	VIA
359	205.5829	90.3912	78.573	1077273.281	1406209.257	142.6219	1.7	VIA
360	205.5002	90.4853	41.1013	1077289.764	1406242.908	142.9331	1.7	VIA
361	211.3045	90.4805	41.0875	1077286.198	1406244.872	142.9428	1.7	VIA
362	310.4725	90.1949	48.04	1077271.263	1406311.272	143.2407	1.7	VIA
363	304.2734	90.284	47.4651	1077268.501	1406306.742	143.1217	1.7	VIA
364	310.1738	90.2809	53.6662	1077266.7	1406314.59	143.0781	1.7	VIA
365	305.003	90.4038	53.449	1077263.859	1406310.545	142.8859	1.7	VIA
366	306.3058	90.312	98.0028	1077228.858	1406338.178	142.6248	1.7	VIA
367	310.022	90.2703	99.3803	1077231.531	1406343.796	142.7363	1.7	VIA
368	309.5716	90.3419	104.2464	1077227.707	1406346.805	142.4776	1.7	VIA
369	306.5449	90.3325	103.8472	1077224.59	1406342.23	142.5086	1.7	VIA
370	307.1403	90.3716	147.1573	1077190.446	1406368.878	141.9233	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
371	307.4921	90.3715	153.114	1077186.659	1406373.727	141.8601	1.7	VIA
372	309.48	90.3122	149.8896	1077192.444	1406375.785	142.1514	1.7	VIA
373	310.1529	90.3033	147.1435	1077195.311	1406374.93	142.2115	1.7	VIA
374	308.143	90.1734	50.9642	1077267.607	1406311.431	143.2571	1.7	D-7 - D-8
375	310.1716	90.3723	146.626	1077195.757	1406374.652	142.1248	1.5	ESQ-PARAMENTO
377	306.3601	90.3246	144.7066	1077191.435	1406366.117	142.3398	1.5	ESQ-PARAMENTO
378	306.1139	90.3103	104.3134	1077223.437	1406341.458	142.5761	1.7	ESQ-PARAMENTO
379	311.3801	91.0718	107.6861	1077227.141	1406351.392	142.71	0.4	ESQ-PARAMENTO
380	311.4853	91.0717	96.7348	1077235.532	1406344.351	142.9247	0.4	ESQ-PARAMENTO
381	305.4156	91.1903	94.2415	1077231.108	1406334.843	142.9513	0.1	ESQ-PARAMENTO
382	308.251	90.2236	100.8389	1077228.648	1406342.57	142.8551	1.7	D-7 D9
383	308.151	90.2239	100.7543	1077228.497	1406342.242	142.8544	1.7	PZA
384	308.2323	90.1923	50.7026	1077267.893	1406311.372	143.2318	1.7	PZA
385	302.592	90.3008	54.1495	1077262.217	1406309.365	143.043	1.7	ESQ-PARAMENTO
386	312.5257	91.5521	55.6396	1077266.883	1406317.727	143.2511	0.1	ESQ-PARAMENTO
387	299.48	90.0154	43.4521	1077269.933	1406301.482	143.4936	1.7	ESQ-PARAMENTO
388	314.3923	90.0607	44.7343	1077275.813	1406311.332	143.438	1.7	ESQ-PARAMENTO
389	128.143	89.1549	50.9767	1077307.659	1406279.903	143.7494	1.7	D8 - D-9
390	138.2411	89.1223	21.0293	1077281.575	1406295.714	143.3854	1.7	VIA
391	93.1744	87.4113	4.0141	1077271.611	1406311.203	143.2561	1.7	VIA
392	347.1047	89.4429	3.222	1077266.89	1406314.572	143.1086	1.7	VIA
393	246.5025	93.0004	3.6845	1077264.225	1406309.982	142.9012	1.7	VIA
394	172.2412	89.5918	5.8843	1077268.388	1406305.599	143.0953	1.7	VIA
395	200.4109	90.1554	32.6634	1077256.086	1406280.867	142.9431	1.7	VIA
396	210.4048	90.4004	32.2437	1077251.171	1406283.693	142.7184	1.7	VIA
397	209.43	90.5505	77.7903	1077229.088	1406243.858	141.848	1.7	VIA
398	205.0323	90.5307	79.4745	1077233.993	1406239.425	141.8666	1.7	VIA
399	205.073	90.5506	83.6562	1077232.134	1406235.68	141.7537	1.7	VIA
400	208.4922	90.5503	82.6093	1077227.827	1406239.043	141.7719	1.7	VIA
401	208.1347	90.2826	115.3808	1077213.09	1406209.747	142.1406	1.7	
402	206.3845	90.3026	115.5968	1077215.825	1406208.086	142.0716	1.7	
403	208.2331	91.0203	123.0136	1077209.184	1406203.199	142.4747	0.1	PARAMENTO
404	205.4512	90.354	121.5919	1077214.84	1406201.893	141.8334	1.7	PARAMENTO
405	209.5758	90.5422	82.496	1077226.446	1406239.949	141.7901	1.7	ESQ-PARAMENTO
406	203.5546	91.1356	87.0662	1077232.345	1406231.847	142.7223	0.2	ESQ-PARAMENTO
407	202.5544	91.4704	78.0493	1077237.255	1406239.566	141.8639	0.5	ESQ-PARAMENTO
408	211.5312	91.5152	76.6049	1077227.199	1406246.398	141.8022	0.5	ESQ-PARAMENTO
409	209.052	90.5202	78.0343	1077229.712	1406243.226	141.9133	1.7	ALCANTARILLA
410	204.1302	90.5316	79.524	1077235.031	1406238.896	141.8623	1.7	ALCANTARILLA
411	204.0505	90.5439	78.7564	1077235.512	1406239.522	141.8424	1.7	ALCANTARILLA
412	213.1256	91.281	45.2253	1077242.862	1406273.593	141.9346	1.7	PARAMENTO
413	200.0115	91.0953	48.0252	1077251.193	1406266.308	142.1181	1.7	PARAMENTO
414	206.5635	90.002	30.0627	1077254	1406284.624	143.0912	1.7	PZA
415	166.3837	87.4312	10.1382	1077269.952	1406301.576	143.4974	1.7	ESQ-PARAMENTO
416	84.2319	89.5318	7.9369	1077275.505	1406312.212	143.5096	1.3	ESQ-PARAMENTO
417	22.3455	90.3303	52.543	1077287.755	1406359.955	143.2892	1	PARAMENTO
418	34.0008	89.4224	52.9863	1077297.213	1406355.374	143.3657	1.7	PARAMENTO
419	31.4414	89.5107	102.2803	1077321.359	1406398.448	143.3593	1.7	ESQ-PARAMENTO
420	26.2546	90.0447	105.5335	1077314.525	1406405.961	142.9481	1.7	ESQ-PARAMENTO
421	31.0005	90.4801	113.6188	1077326.066	1406408.844	143.1078	0.1	ESQ-PARAMENTO
422	26.1416	90.0016	116.1877	1077318.914	1406415.677	143.0861	1.7	ESQ-PARAMENTO
423	30.1449	90.043	174.2848	1077355.313	1406462.039	142.8679	1.7	PARAMENTO
424	26.3804	90.042	176.0712	1077346.449	1406468.863	142.8746	1.7	PARAMENTO
425	30.0732	90.0814	187.1525	1077361.446	1406473.357	142.6485	1.7	ESQ-PARAMENTO
426	26.3114	90.0907	187.8724	1077351.399	1406479.582	142.5986	1.7	ESQ-PARAMENTO
427	29.322	90.1409	241.6311	1077386.614	1406521.721	142.1031	1.7	ESQ-PARAMENTO
428	26.5929	90.1429	241.7563	1077377.206	1406526.914	142.4798	1.3	ESQ-PARAMENTO
429	29.1239	90.1654	254.3395	1077391.603	1406533.494	141.9487	1.6	ESQ-PARAMENTO
430	26.5734	90.1434	256.0034	1077383.538	1406539.678	142.1133	1.6	ESQ-PARAMENTO
431	29.1137	90.1943	298.1462	1077412.881	1406571.784	141.7901	1.3	ESQ-PARAMENTO
432	27.0608	90.2035	303.9505	1077405.924	1406582.08	141.6809	1.3	ESQ-PARAMENTO
433	28.5418	90.1823	366.3782	1077444.514	1406632.263	141.1433	1.7	ESQ-PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
434	27.4559	90.1956	362.5978	1077436.345	1406632.368	140.9999	1.7	ESQ-PARAMENTO
435	28.3916	90.1912	390.2669	1077454.553	1406654.002	140.9244	1.7	PROY.PARAMENTO
436	27.4736	90.2013	391.0108	1077449.729	1406657.431	140.8056	1.7	PROY.PARAMENTO
437	27.5029	90.1605	374.1599	1077442.159	1406642.376	141.3536	1.7	VIA
438	28.2128	90.1735	386.7984	1077451.132	1406651.913	141.1265	1.7	VIA
439	28.2129	90.1715	366.7143	1077441.603	1406634.233	141.2628	1.7	VIA
440	28.5546	90.3211	366.436	1077451.175	1406632.827	141.2719	0.1	VIA
441	27.503	90.1654	366.9333	1077438.79	1406635.982	141.2984	1.7	VIA
442	28.4703	90.3358	314.1361	1077418.703	1406586.825	141.5966	0.1	VIA
443	28.1739	90.1516	314.4621	1077416.503	1406588.405	141.7045	1.7	VIA
444	27.3528	90.1652	314.484	1077413.102	1406590.23	141.5578	1.7	VIA
445	28.0221	90.1604	314.1458	1077415.119	1406588.786	141.6322	1.7	VIA
446	28.1117	90.1428	256.7242	1077388.745	1406537.775	142.0181	1.7	VIA
447	28.5749	90.1552	251.0888	1077389.072	1406531.182	141.9391	1.7	VIA
448	27.5248	90.1411	256.8266	1077387.574	1406538.514	142.0393	1.7	SEPARADOR
449	27.1649	90.1242	252.7892	1077383.342	1406536.168	142.1642	1.7	VIA
450	28.4957	90.1434	243.5778	1077384.95	1406524.878	142.0655	1.7	VIA
451	27.1129	90.0641	185.2706	1077352.175	1406476.274	142.7366	1.7	VIA
452	29.1726	90.0641	184.4561	1077357.758	1406472.356	142.738	1.7	VIA
453	29.1335	90.0438	177.72	1077354.292	1406466.576	142.857	1.7	VIA
454	27.1021	90.0647	179.8521	1077349.649	1406471.48	142.7418	1.7	VIA
455	29.1425	90.0515	177.7635	1077354.352	1406466.593	142.8248	1.7	VIA
456	26.5336	90.0208	112.6242	1077318.493	1406411.904	143.025	1.7	VIA
457	30.2057	90.0206	110.8962	1077323.585	1406407.162	143.0271	1.7	VIA
458	30.1404	90.0208	106.1255	1077320.993	1406403.151	143.0288	1.7	VIA
459	28.3033	90.0207	109.6825	1077319.903	1406407.843	143.0276	1.7	PZA
460	27.0133	90.0205	107.6064	1077316.448	1406407.315	143.0294	1.7	VIA
461	30.5056	89.4913	53.5661	1077295.048	1406357.434	143.2623	1.7	VIA
462	25.5201	89.5638	53.6932	1077291.005	1406359.758	143.147	1.7	VIA
463	28.434	89.4957	53.7151	1077307.644	1406279.913	143.2514	1.7	PZA
463	128.2511	89.2209	100.834	1077293.398	1406358.549	143.7558	1.7	D-9- D8
464	204.5559	91.4843	34.0737	1077214.309	1406311.679	141.5678	1.7	VIA
465	211.5939	91.3653	34.7097	1077210.282	1406313.134	141.6672	1.7	VIA
466	205.5805	91.0253	68.2646	1077198.797	1406281.191	141.3967	1.7	VIA
467	210.0149	91.1911	68.9049	1077194.207	1406282.911	140.7585	2	VIA
468	204.2236	91.4245	77.6355	1077196.659	1406271.869	141.0256	1	ESQ-PARAMENTO
469	210.3219	91.4202	77.1359	1077189.509	1406276.141	139.9064	2.15	ESQ-PARAMENTO
470	199.0122	91.4222	33.0913	1077217.885	1406311.294	141.66	1.7	ESQ-PARAMENTO
471	215.1201	91.2206	33.9442	1077209.103	1406314.83	141.8345	1.7	ESQ-PARAMENTO
472	35.5823	90.0001	43.8774	1077254.402	1406378.094	142.8451	1.5	ESQ-PARAMENTO
473	21.5202	89.4505	48.1018	1077246.538	1406387.221	142.854	1.7	ESQ-PARAMENTO
474	30.5407	90.3334	103.9604	1077281.986	1406431.799	143.1309	0.2	ESQ-PARAMENTO
475	25.1104	90.0156	105.1815	1077273.352	1406437.779	142.987	1.3	ESQ-PARAMENTO
476	30.5444	90.2801	115.0841	1077287.711	1406441.337	143.3079	0.1	ESQ-PARAMENTO
477	25.2728	90.0659	127.6339	1077283.445	1406457.842	142.7868	1.3	ESQ-PARAMENTO
478	29.4513	90.1625	174.4932	1077315.157	1406494.107	143.0139	0.5	ESQ-PARAMENTO
479	25.5418	90.022	176.4013	1077305.624	1406501.29	142.527	1.7	ESQ-PARAMENTO
480	26.1551	90.003	187.11	1077311.351	1406510.41	142.62	1.7	ESQ-PARAMENTO
481	29.3939	90.1408	184.9642	1077320.089	1406503.349	142.8869	0.7	ESQ-PARAMENTO
482	29.1236	90.1718	240.9912	1077346.134	1406552.98	142.5365	0.6	
483	26.1009	90.0554	243.7187	1077336.009	1406561.367	142.4307	1.5	
484	26.4149	90.0449	257.4544	1077344.185	1406572.644	142.2894	1.7	CERRAMIENTO
485	28.4343	90.2044	255.8261	1077351.484	1406566.971	142.3064	0.5	CERRAMIENTO
486	28.2813	90.055	252.2755	1077348.783	1406564.404	142.2213	1.7	VIA
487	26.3818	90.0551	254.3959	1077342.579	1406570.027	142.2168	1.7	VIA
488	27.094	90.0358	247.0796	1077341.314	1406562.467	142.3635	1.7	VIA
489	28.4537	90.1858	245.8573	1077346.818	1406558.162	142.3928	0.6	VIA
490	28.1206	90.0359	247.9102	1077345.805	1406561.05	142.3623	1.7	D-9 - D-10
491	28.3813	89.5947	182.3174	1077315.934	1406502.635	142.6586	1.7	VIA
492	26.402	90.0116	183.8968	1077311.103	1406506.945	142.5798	1.7	VIA
493	26.4613	90.0238	178.7025	1077309.048	1406502.165	142.51	1.7	VIA
494	28.3914	90.0157	177.6179	1077313.73	1406498.484	142.5462	1.7	VIA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
495	27.5159	89.5944	180.3698	1077312.864	1406502.072	142.6617	1.7	PZA
496	29.4513	89.575	113.3442	1077284.842	1406441.004	142.7175	1.7	VIA
497	26.1935	89.5431	113.8758	1077279.092	1406444.663	142.8278	1.7	VIA
498	26.4435	89.5425	108.4399	1077277.39	1406439.438	142.822	1.7	VIA
499	29.26	89.5303	106.4428	1077280.903	1406435.303	142.8613	1.7	VIA
500	28.3134	89.5509	109.9884	1077281.119	1406439.235	142.801	1.7	PZA
501	30.0701	89.4409	62.9033	1077260.179	1406396.999	142.9352	1.7	VIA
502	26.335	89.4631	62.6565	1077256.636	1406398.628	142.8912	1.7	VIA
503	208.1209	89.4925	247.8993	1077228.651	1406342.582	142.869	1.75	D10-D9
504	306.0816	89.4518	47.2033	1077307.668	1406588.865	142.3543	1.7	VIA
505	314.5127	89.504	48.6853	1077311.275	1406595.37	142.2845	1.7	VIA
506	303.5945	89.4817	53.4811	1077301.449	1406590.928	142.3347	1.7	VIA
507	311.3754	89.5031	54.5225	1077305.033	1406597.248	142.3028	1.7	VIA
508	305.2513	89.5929	96.842	1077266.855	1406617.132	142.1676	1.7	VIA
509	309.4303	90.0544	99.0499	1077269.58	1406624.3	141.9877	1.7	VIA
510	309.0837	90.0628	105.8567	1077263.669	1406627.827	141.9538	1.7	VIA
511	306.2955	90.0329	104.2984	1077261.928	1406623.04	142.0475	1.7	VIA
512	305.1132	90.0107	104.7167	1077260.194	1406621.352	142.1188	1.7	ESQ-PARAMENTO
513	310.4649	90.0443	107.1552	1077264.626	1406630.994	142.0059	1.7	ESQ-PARAMENTO
514	310.4917	90.0153	96.7108	1077272.584	1406624.229	142.0999	1.7	ESQ-PARAMENTO
515	304.3338	89.5912	95.1468	1077267.419	1406614.98	142.1751	1.7	CERRAMIENTO
516	302.1015	90.3237	57.6157	1077297.021	1406591.698	142.8059	0.5	ESQ-PARAMENTO
517	313.2139	89.3947	58.1034	1077303.54	1406600.919	142.4943	1.7	ESQ-PARAMENTO
518	299.5916	89.2711	43.0645	1077308.495	1406582.552	142.5636	1.7	ESQ-PARAMENTO
519	323.0546	90.0149	41.149	1077321.078	1406593.941	142.1306	1.7	CERRAMIENTO
520	323.4354	90.224	45.7866	1077318.699	1406597.95	141.8506	1.7	CERRAMIENTO
521	326.3205	90.2515	49.4929	1077318.491	1406602.321	141.7889	1.7	CERRAMIENTO
522	310.3507	89.4604	51.1116	1077306.989	1406594.302	142.3595	1.7	D10 - D11
523	130.3506	89.4628	51.1014	1077345.798	1406561.057	142.3809	1.7	D-11 D-10
524	34.1554	90.3157	68.2872	1077345.403	1406650.756	141.5451	1.7	CERRAMIENTO
525	23.0242	90.2841	63.0253	1077331.627	1406652.309	141.654	1.7	ESQ-PARAMENTO
526	23.0506	90.2047	73.5127	1077335.774	1406661.943	141.7355	1.7	ESQ-PARAMENTO
527	32.1603	90.155	116.7647	1077369.27	1406693.068	141.6426	1.7	CERRAMIENTO
528	25.3637	90.2305	115.2963	1077356.766	1406698.297	141.4064	1.7	ESQ-PARAMENTO
529	31.3017	90.3222	137.1652	1077378.598	1406711.284	140.8893	1.7	ESQ-PARAMENTO
530	27.5209	90.1957	138.6183	1077371.716	1406716.877	141.3762	1.7	ESQ-PARAMENTO
531	26.5816	90.5222	135.29	1077368.274	1406714.898	141.3196	0.5	VIA
532	30.3508	90.2502	134.5739	1077375.396	1406710.188	141.2006	1.7	VIA
533	27.3014	90.3036	120.1876	1077362.43	1406700.933	141.1109	1.7	VIA
534	30.2305	90.2947	119.5801	1077367.412	1406697.488	141.1444	1.7	VIA
535	31.4821	90.2802	114.3254	1077367.186	1406691.491	141.248	1.7	VIA
536	28.4045	90.2535	68.6293	1077339.89	1406654.528	141.6691	1.7	VIA
537	28.4251	90.2534	68.6191	1077339.921	1406654.499	141.6695	1.7	PZA
538	26.2952	90.2803	70.3876	1077338.357	1406657.311	141.6056	1.7	VIA
539	26.131	90.2719	64.7716	1077335.572	1406652.423	141.6653	1.7	VIA
540	31.4912	90.2716	63.5331	1077340.455	1406648.303	141.6757	1.7	VIA
541	166.0532	81.3645	1.1947	1077307.274	1406593.154	142.3538	1.7	PZA
542	214.4644	89.2609	30.5389	1077289.584	1406569.209	142.4802	1.7	VIA
543	203.1	89.2856	29.2333	1077295.504	1406567.42	142.4438	1.7	VIA
544	211.4751	89.4921	65.818	1077272.34	1406538.342	142.3837	1.7	VIA
545	206.3927	89.4203	66.7007	1077277.098	1406534.675	142.5282	1.7	VIA
546	210.4027	89.5258	72.3297	1077270.125	1406532.071	142.3278	1.7	VIA
547	206.3133	89.5053	72.7252	1077274.547	1406529.214	142.3728	1.7	VIA
548	207.2639	89.372	68.2203	1077275.583	1406533.742	142.6295	1.7	PZA
549	209.4252	89.4959	137.112	1077239.093	1406475.181	142.58	1.7	VIA
550	207.4446	89.4834	138.3962	1077242.628	1406471.783	142.6414	1.7	VIA
551	209.1638	89.4958	142.7763	1077237.237	1406469.724	142.5979	1.7	VIA
552	207.3745	89.4933	143.0346	1077240.73	1406467.54	142.6154	1.7	VIA
553	207.3812	89.4812	141.4181	1077241.462	1406468.982	142.6665	1.7	PZA
554	208.1442	89.4957	203.1442	1077210.955	1406415.292	142.7762	1.7	PZA
555	208.4638	89.5303	203.9898	1077208.889	1406415.45	142.5952	1.7	VIA
556	207.4227	89.5206	204.2635	1077212.118	1406413.407	142.6515	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
557	208.2121	89.5923	264.7227	1077181.392	1406361.271	142.2323	1.7	PZA
558	208.1457	90.1008	267.7813	1077180.38	1406358.343	141.3946	1.7	VIA
559	208.4959	90.1237	266.7175	1077178.495	1406360.578	141.206	1.7	VIA
560	209.1044	90.1209	272.4842	1077174.279	1406356.321	140.1211	2.8	ESQ-PARAMENTO
561	207.4957	90.1148	279.1962	1077176.776	1406347.332	140.7262	2.2	ESQ-PARAMENTO
562	206.4847	89.514	206.9488	1077213.743	1406409.551	142.6846	1.7	ESQ-PARAMENTO
563	209.4631	89.5221	206.6365	1077204.475	1406414.888	142.642	1.7	ESQ-PARAMENTO
564	210.3317	90.0509	144.8934	1077233.402	1406469.486	143.0638	0.6	ESQ-PARAMENTO
565	205.5336	90.2716	146.7371	1077242.986	1406462.263	142.6172	0.1	ESQ-PARAMENTO
566	211.4107	89.5059	133.4321	1077236.968	1406480.719	142.7304	1.5	ESQ-PARAMENTO
567	205.4512	90.2257	135.7729	1077248.067	1406471.984	142.9742	0	ESQ-PARAMENTO
568	211.4439	89.5011	73.4454	1077268.383	1406531.821	142.3898	1.7	ESQ-PARAMENTO
569	203.3254	90.484	77.1737	1077276.2	1406523.544	142.4875	0.3	ESQ-PARAMENTO
570	214.5004	89.495	63.8458	1077270.55	1406541.876	142.3684	1.7	ESQ,CANCHA
571	202.2607	89.4127	58.4186	1077284.725	1406540.293	142.495	1.7	ESQ-PARAMENTO
572	305.2552	89.5118	49.1907	1077266.908	1406622.819	142.3041	1.7	D-11 D-12
573	125.2551	89.3929	49.1896	1077306.988	1406594.303	142.3828	1.7	D-12 - D11
574	29.2955	90.4912	32.1348	1077282.714	1406650.794	141.6293	1.7	VIA
575	21.3501	90.4727	32.5312	1077278.857	1406653.073	141.6402	1.7	VIA
576	29.5837	90.3147	66.2225	1077299.963	1406680.199	141.477	1.7	VIA
577	26.1537	90.3041	67.1382	1077296.578	1406683.043	141.49	1.7	VIA
578	29.3946	90.2838	72.5634	1077302.782	1406685.891	141.4851	1.7	VIA
579	26.2449	90.2752	73.1304	1077299.402	1406688.331	141.4965	1.7	VIA
580	29.0038	90.2337	122.1405	1077326.081	1406729.666	141.2513	1.7	VIA
581	26.581	90.2426	122.7062	1077322.494	1406732.209	141.2177	1.7	VIA
582	27.5818	90.2112	127.9612	1077326.862	1406735.864	141.3008	1.7	VIA
583	28.0452	90.1808	129.9961	1077328.035	1406737.545	141.4043	1.7	VIA
584	28.2934	90.2111	136.931	1077332.162	1406743.199	141.2469	1.7	VIA
585	30.19	90.4425	117.0774	1077325.944	1406723.911	141.4774	0.8	ESQ-PARAMENTO
586	25.1937	90.332	115.9084	1077316.43	1406727.61	141.3658	1.3	ESQ-PARAMENTO
587	33.0833	91.372	74.1351	1077307.388	1406684.892	141.6906	0	ESQ-PARAMENTO
588	23.1259	91.2247	77.4532	1077297.392	1406693.997	141.9245	0	ESQ-PARAMENTO
589	28.0445	90.271	69.8028	1077299.728	1406684.423	141.5378	1.7	PZA
590	22.3039	91.4035	65.7154	1077292.023	1406683.516	141.8668	0	ESQ-PARAMENTO
591	33.0722	91.5959	61.1449	1077300.271	1406674.016	141.6557	0	ESQ-PARAMENTO
592	112.2135	59.4155	0.543	1077267.342	1406622.641	142.3631	1.7	PZA
593	185.2122	88.3312	4.6082	1077266.481	1406618.232	142.2054	1.7	PZT
594	215.4937	89.2537	35.3856	1077246.213	1406594.118	142.4431	1.7	PARAMENTO
595	213.4714	89.413	50.6936	1077238.742	1406580.672	142.362	1.7	PARAMENTO
596	213.1728	90.3738	61.5333	1077233.164	1406571.368	142.6158	0.5	PARAMENTO
597	203.2636	89.5004	62.9286	1077241.906	1406565.071	142.2713	1.7	ESQ,CANCHA
598	204.4654	89.5312	71.3746	1077237.028	1406558	142.2307	1.7	ESQ-PARAMENTO
599	212.255	91.0452	72.4932	1077228.074	1406561.621	142.3215	0.1	ESQ-PARAMENTO
600	208.1058	89.4611	67.264	1077235.174	1406563.512	142.3596	1.7	PZA
601	208.2021	89.5353	137.6171	1077201.652	1406501.658	142.335	1.7	PZA
602	210.3804	90.0207	130.9165	1077200.262	1406510.136	142.1099	1.6	ESQ-PARAMENTO
603	206.1102	90.0557	132.924	1077208.323	1406503.502	142.7603	0.8	ESQ-PARAMENTO
604	210.1949	90.0203	142.4945	1077195.021	1406499.787	142.0051	1.7	ESQ-PARAMENTO
605	205.3728	90.1128	146.2736	1077203.725	1406490.896	142.3024	1	ESQ-PARAMENTO
606	206.45	90.0401	194.21	1077179.593	1406449.344	142.5647	1	ESQ-PARAMENTO
607	209.5124	90.1326	197.2742	1077168.797	1406451.674	142.5204	0.5	ESQ-PARAMENTO
608	208.1647	89.5526	205.6364	1077169.586	1406441.671	142.3646	1.7	PZA
609	209.2613	90.154	235.6122	1077151.231	1406417.561	141.2189	1.5	ESQ-PARAMENTO
610	208.4153	90.0922	231.2174	1077155.995	1406419.942	141.4624	1.7	D12 - D13
611	207.4906	90.1429	232.0621	1077158.73	1406417.516	141.115	1.7	VIA
612	209.0022	90.0846	232.0909	1077154.483	1406419.776	141.5004	1.7	VIA
613	208.5424	89.5918	195.8401	1077172.34	1406451.325	142.1315	1.7	VIA
614	207.304	89.5657	196.3407	1077176.313	1406448.629	142.2656	1.7	VIA
615	209.2441	90.0552	140.6814	1077197.892	1406500.23	141.8501	1.7	VIA
616	206.5828	90.0305	142.0487	1077202.548	1406496.187	141.963	1.7	VIA
617	209.1529	90.0423	134.0305	1077201.468	1406505.85	141.9192	1.7	VIA
618	206.5302	89.5749	135.2197	1077205.832	1406502.179	142.1763	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
619	210.5213	90.0027	68.7899	1077231.646	1406563.755	142.0806	1.7	VIA
620	206.3841	90.0027	69.2979	1077235.866	1406560.863	142.0805	1.7	VIA
621	210.5007	89.5154	61.8361	1077235.243	1406569.706	142.2352	1.7	VIA
622	206.0537	89.5153	64.2371	1077238.687	1406565.113	142.241	1.7	VIA
623	305.5835	90.16	49.8018	1077226.606	1406652.075	141.8574	1.7	D-12 - D14
624	125.5835	89.14	49.8136	1077266.915	1406622.814	142.3291	1.7	D-14 - -D12
625	159.4134	87.1606	3.4603	1077227.807	1406648.834	141.8273	1.7	VIA
626	262.1326	85.1833	2.2767	1077224.358	1406651.766	141.8486	1.7	VIA
627	52.1931	89.0646	5.1823	1077230.706	1406655.244	141.7426	1.7	VIA
628	5.4839	88.4838	5.0782	1077227.117	1406657.126	141.7678	1.7	VIA
629	30.5827	90.1702	39.87	1077247.106	1406686.27	141.465	1.7	VIA
630	24.2656	90.2239	39.8779	1077243.09	1406688.385	141.3998	1.7	VIA
631	29.4756	90.2213	69.2854	1077261.003	1406712.217	141.215	1.7	VIA
632	26.2149	90.2426	69.7201	1077257.53	1406714.559	141.1672	1.7	VIA
633	30.1159	90.2212	75.4645	1077264.528	1406717.317	141.1753	1.7	VIA
634	25.5035	90.2451	74.7535	1077259.153	1406719.369	141.1224	1.7	VIA
635	28.4212	90.2157	71.1983	1077260.765	1406714.542	141.2083	1.7	PZA
636	29.455	90.161	121.5882	1077286.905	1406757.656	141.0916	1.7	VIA
637	26.5456	90.1612	122.5949	1077282.04	1406761.42	141.0858	1.7	VIA
638	28.5227	90.1133	128.7814	1077288.729	1406764.881	141.2306	1.7	VIA
639	29.0026	90.0953	130.6791	1077289.91	1406766.397	141.2878	1.7	VIA
640	29.0516	90.1205	137.8798	1077293.567	1406772.602	141.179	1.7	VIA
641	27.5746	90.0952	133.1336	1077288.965	1406769.7	141.2817	1.7	PZA
642	30.4627	90.1507	116.8037	1077286.312	1406752.464	141.1496	1.7	ESQ-PARAMENTO
643	25.1922	90.5948	118.5363	1077277.238	1406759.234	141.3013	0	ESQ-PARAMENTO
644	31.5229	90.4624	76.9077	1077267.177	1406717.402	141.3247	1	ESQ-PARAMENTO
645	23.3607	90.4003	78.4901	1077257.989	1406724.012	141.1483	1.3	ESQ-PARAMENTO
646	32.092	90.2742	63.9136	1077260.591	1406706.202	141.3478	1.5	ESQ-PARAMENTO
647	22.4958	90.3314	67.4191	1077252.731	1406714.223	141.0109	1.7	ESQ-PARAMENTO
648	40.3428	93.045	29.762	1077245.924	1406674.659	141.7631	0	PARAMENTO
649	16.5556	90.2051	29.6978	1077235.239	1406680.489	141.4824	1.7	PARAMENTO
650	66.1417	88.1334	7.731	1077233.677	1406655.192	141.9017	1.7	ESQ-PARAMENTO
651	347.3735	88.4831	10.6938	1077224.309	1406662.516	141.8848	1.7	ESQ-PARAMENTO
652	161.0004	87.19	7.9976	1077229.211	1406644.523	142.0368	1.7	ESQ-PARAMENTO
653	270.2112	98.1215	7.463	1077219.22	1406652.116	142.1974	0.1	ESQ-PARAMENTO
654	200.2514	89.2843	39.4674	1077212.857	1406615.081	142.1216	1.6	ESQ-PARAMENTO
655	217.4115	89.3748	39.2395	1077202.635	1406621.009	142.0159	1.6	ESQ-PARAMENTO
656	204.0419	89.3813	61.6772	1077201.481	1406595.748	142.0534	1.7	ESQ-PARAMENTO
657	215.1316	89.4852	59.3673	1077192.395	1406603.556	141.855	1.7	ESQ-PARAMENTO
658	204.3903	89.5103	73.3075	1077196.069	1406585.431	141.7535	1.8	ESQ-PARAMENTO
659	212.5408	89.4046	69.9188	1077188.66	1406593.35	142.054	1.7	ESQ-PARAMENTO
660	205.401	90.0801	104.9317	1077181.206	1406557.473	141.4186	1.7	ESQ-PARAMENTO
661	211.0559	90.0627	106.7867	1077171.5	1406560.605	141.4629	1.7	ESQ-PARAMENTO
662	210.5017	90.1211	129.7277	1077160.17	1406540.651	141.2036	1.7	ESQ-PARAMENTO
663	206.2903	90.0622	132.2947	1077167.677	1406533.63	141.8185	1.3	ESQ-PARAMENTO
664	206.1413	90.061	142.247	1077163.793	1406524.447	141.4084	1.7	ESQ-PARAMENTO
665	210.4503	90.0143	140.401	1077154.887	1406531.373	141.5938	1.7	ESQ-PARAMENTO
666	206.494	89.5836	178.6448	1077146.072	1406492.612	142.1377	1.3	ESQ-PARAMENTO
667	210.1334	89.5815	179.5999	1077136.281	1406496.841	141.7562	1.7	ESQ-PARAMENTO
668	207.09	90.1556	224.2465	1077124.392	1406452.481	141.3267	1	ESQ-PARAMENTO
669	209.4625	90.1343	222.7568	1077116.101	1406458.662	140.7774	1.7	ESQ-PARAMENTO
670	208.0753	90.0333	257.2797	1077105.429	1406425.119	141.4007	1.7	D-14 - D-15
671	208.2257	89.5427	208.1379	1077127.771	1406468.9	142.0013	1.7	PZA
672	207.5009	90.0002	207.0325	1077130.038	1406468.943	141.6633	1.7	VIA
673	209.1555	89.5726	207.53	1077125.257	1406470.975	141.8204	1.7	VIA
674	208.5543	89.5819	178.5426	1077140.33	1406495.761	141.7519	1.7	VIA
675	207.3331	89.582	178.9735	1077143.893	1406493.361	141.7512	1.7	VIA
676	207.0321	90.0601	138.7943	1077163.545	1406528.434	141.421	1.7	VIA
677	209.0421	90.0659	138.3852	1077159.431	1406531.087	141.3826	1.7	VIA
678	209.1154	90.0937	132.9501	1077161.815	1406535.981	141.2919	1.7	VIA
679	207.2443	90.0936	132.7668	1077165.55	1406534.181	141.2926	1.7	VIA
680	208.1925	90.0654	136.7926	1077161.773	1406531.622	141.3893	1.7	PZA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
681	207.1234	90.0757	102.595	1077179.747	1406560.806	141.4256	1.7	VIA
682	209.3615	90.08	101.9987	1077176.269	1406563.363	141.4256	1.7	VIA
683	206.3926	90.0339	68.4927	1077195.912	1406590.845	141.59	1.7	VIA
684	210.3846	90.0349	68.5595	1077191.693	1406593.071	141.5866	1.7	VIA
685	206.4418	89.5812	62.4182	1077198.555	1406596.315	141.6952	1.7	VIA
686	211.0206	89.5812	62.5609	1077194.382	1406598.451	141.6955	1.7	VIA
687	208.0549	89.582	65.6551	1077195.718	1406594.139	141.6945	1.7	PZA
688	213.3409	89.271	28.567	1077210.824	1406628.264	141.9353	1.7	VIA
689	204.2019	89.2334	28.6147	1077214.829	1406625.998	141.9658	1.7	VIA
690	308.2706	90.0802	52.1054	1077185.801	1406684.477	141.5409	1.7	D14 - D-16
691	128.2704	89.2349	52.092	1077226.594	1406652.085	141.8843	1.7	D-16 - D14
692	167.4932	86.5049	4.609	1077186.774	1406679.979	141.5894	1.7	VIA
693	236.5244	86.3636	3.357	1077182.996	1406682.644	141.5344	1.7	VIA
694	6.0506	87.5212	3.8539	1077186.207	1406688.307	141.4791	1.7	VIA
695	93.0303	87.12	4.0354	1077189.826	1406684.265	141.533	1.7	VIA
696	26.5834	90.4004	35.3268	1077201.807	1406715.967	140.9242	1.7	VIA
697	33.5301	90.3202	35.8616	1077205.777	1406714.258	141.0019	1.7	VIA
698	27.1449	90.3727	69.4959	1077217.581	1406746.276	140.5791	1.7	VIA
699	31.4951	90.3423	68.1596	1077221.715	1406742.404	140.6544	1.7	VIA
700	27.01	90.3421	74.4273	1077219.571	1406750.798	140.5927	1.7	VIA
701	31.3954	90.3052	73.1318	1077224.155	1406746.741	140.6797	1.7	VIA
702	29.0129	90.3055	71.6426	1077220.524	1406747.139	140.6918	1.7	PZA
703	30.3721	90.1438	121.1537	1077247.455	1406788.769	140.8213	1.7	VIA
704	27.1941	90.173	122.8848	1077242.153	1406793.678	140.7115	1.7	VIA
705	30.5612	90.1107	136.6309	1077255.975	1406801.709	140.8956	1.7	PROY.VIA
706	27.0619	90.1538	137.9993	1077248.607	1406807.354	140.7098	1.7	PROY.VIA
707	28.4911	90.1207	133.0869	1077249.89	1406801.116	140.8682	1.7	PZA
708	32.1242	90.1016	115.4213	1077247.271	1406782.168	140.9921	1.7	ESQ-PARAMENTO
709	26.5528	90.1352	120.3078	1077240.217	1406791.774	140.8517	1.7	ESQ-PARAMENTO
710	32.3528	90.2808	75.1705	1077226.254	1406747.832	140.7212	1.7	ESQ-PARAMENTO
711	24.2153	90.2434	67.2049	1077213.491	1406745.711	140.8558	1.7	ESQ-PARAMENTO
712	34.5313	90.4618	64.2654	1077222.525	1406737.209	140.4708	1.7	ESQ-PARAMENTO
713	22.424	90.3814	42.1307	1077202.044	1406723.348	140.8675	1.7	ESQ-PARAMENTO
714	37.4615	90.1729	43.7004	1077212.548	1406719.036	141.1138	1.7	ESQ-PARAMENTO
715	354.0023	88.314	8.7261	1077184.886	1406693.152	141.5601	1.7	ESQ-PARAMENTO
716	87.5253	87.1906	8.0287	1077193.816	1406684.778	141.7116	1.7	ESQ-PARAMENTO
717	161.0639	87.4744	9.2968	1077188.814	1406675.689	141.6935	1.7	ESQ-PARAMENTO
718	270.5109	86.4352	8.2335	1077177.582	1406684.595	141.8054	1.7	ESQ-PARAMENTO
719	261.153	87.3614	9.465	1077176.455	1406683.035	141.7316	1.7	ESQ-PARAMENTO
720	241.1527	87.1638	7.1852	1077179.51	1406681.022	141.6772	1.7	ESQ-PARAMENTO
721	215.3906	89.0831	32.449	1077166.905	1406658.102	141.822	1.7	ESQ-PARAMENTO
722	197.2052	88.3633	41.0578	1077173.585	1406645.291	142.3325	1.7	ESQ-PARAMENTO
723	212.04	89.1126	59.7725	1077154.1	1406633.811	142.1806	1.7	ESQ-PARAMENTO
724	201.4819	90.3003	62.6442	1077162.566	1406626.304	142.3886	0.1	ESQ-PARAMENTO
725	211.0124	90.1643	69.9	1077149.81	1406624.556	142.1964	0.5	ESQ-PARAMENTO
726	201.5312	90.2433	73.8697	1077158.304	1406615.918	142.4088	0.1	ESQ-PARAMENTO
727	210.1406	90.2615	99.6347	1077135.681	1406598.37	141.5759	0.7	ESQ-PARAMENTO
728	203.5023	90.0944	98.6868	1077145.966	1406594.188	142.0572	0.7	ESQ-PARAMENTO
729	204.5923	90.102	131.6905	1077130.236	1406565.084	140.9414	1.7	ESQ-PARAMENTO
730	209.451	90.2721	132.821	1077119.955	1406569.132	140.7801	1.2	ESQ-PARAMENTO
731	205.0038	90.1303	143.4079	1077125.245	1406554.483	141.6929	0.8	ESQ-PARAMENTO
732	209.3209	90.2535	169.7932	1077102.185	1406536.705	141.3744	0.4	ESQ-PARAMENTO
733	206.1842	90.0257	169.2123	1077110.883	1406532.753	141.5924	1.3	ESQ-PARAMENTO
734	206.4923	90.0636	179.2055	1077105.028	1406524.508	141.3942	1.3	NIVEL
735	208.0117	89.5536	194.5384	1077094.504	1406512.693	141.5874	1.7	NIVEL
736	207.0401	89.5546	168.4837	1077109.221	1406534.403	141.5453	1.7	VIA
737	208.3855	90.2251	169.2121	1077104.761	1406535.938	141.5132	0.4	VIA
738	206.1358	90.083	140.5139	1077123.763	1406558.401	140.9899	1.7	VIA
739	206.0148	90.1752	134.7688	1077126.729	1406563.347	140.6369	1.7	VIA
740	207.2446	90.0416	138.3579	1077122.172	1406561.619	141.1657	1.7	PZA
741	208.3102	90.1325	138.5671	1077119.716	1406562.685	140.7967	1.7	VIA
742	208.2534	90.1552	132.5554	1077122.769	1406567.869	140.725	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
743	206.1151	90.2259	121.1704	1077132.372	1406575.726	140.5267	1.7	ALCANTARILLA
744	206.2952	90.1917	120.5106	1077132.096	1406576.597	140.6606	1.7	ALCANTARILLA
745	206.2916	90.1806	119.9509	1077132.364	1406577.089	140.7054	1.7	ALCANTARILLA
746	206.2851	90.3613	120.241	1077132.25	1406576.827	140.07	1.7	ALCANTARILLA
747	209.4535	90.2352	121.7466	1077125.432	1406578.755	140.4918	1.7	ALCANTARILLA
748	209.3701	90.2212	120.9615	1077126.083	1406579.288	140.5556	1.7	ALCANTARILLA
749	209.3815	90.2212	120.298	1077126.373	1406579.886	140.56	1.7	ALCANTARILLA
750	205.5444	89.5335	95.0481	1077144.314	1406598.961	141.5142	1.7	VIA
751	208.553	89.5209	90.8602	1077141.901	1406604.927	141.5438	1.7	VIA
752	204.1302	89.284	69.9004	1077157.166	1406620.715	141.9735	1.7	VIA
753	208.2846	89.2835	68.3511	1077153.244	1406624.381	141.961	1.7	VIA
754	204.4022	89.1756	63.7091	1077159.242	1406626.574	142.1156	1.7	VIA
755	208.3603	89.2415	63.7744	1077155.306	1406628.471	141.9993	1.7	VIA
756	206.4748	89.2127	65.9227	1077156.117	1406625.621	142.0754	1.7	PZA
757	208.5634	89.1604	36.0639	1077168.368	1406652.91	141.7969	1.7	PZA
758	203.0056	89.1221	36.0543	1077171.725	1406651.288	141.8357	1.7	PZA
759	47.0124	65.005	0.4191	1077186.079	1406684.736	141.5129	1.7	PZA
760	306.5651	90.0402	56.2923	1077140.814	1406718.314	141.2702	1.7	D16 - D-17
761	126.5654	89.2903	56.2827	1077185.792	1406684.484	141.5621	1.7	D-17 - D-16
762	163.2016	88.4936	4.7691	1077142.184	1406713.747	141.1529	1.7	VIA
763	244.2147	90.4506	4.5263	1077136.735	1406716.353	140.9958	1.7	VIA
764	75.531	88.2052	3.5266	1077144.232	1406719.176	141.1569	1.7	VIA
765	337.4331	91.1029	4.8545	1077138.972	1406722.804	140.9557	1.7	VIA
766	32.4321	91.2937	31.5314	1077157.838	1406744.842	140.2333	1.7	VIA
767	23.4317	91.2939	32.4282	1077153.838	1406748	140.2097	1.7	VIA
768	31.451	91.0038	66.5507	1077175.799	1406774.915	139.8816	1.7	VIA
769	24.4338	91.0947	67.0255	1077168.81	1406779.197	139.6951	1.7	VIA
770	30.4544	91.0049	71.3287	1077177.256	1406779.618	139.7937	1.7	VIA
771	24.4948	91.0437	73.5057	1077171.638	1406785.03	139.6742	1.7	VIA
772	29.1005	91.0324	70.1794	1077174.977	1406779.603	139.7613	1.7	PZA
773	26.341	90.2444	132.133	1077199.846	1406836.523	140.1059	1.7	VIA
774	29.4906	90.2225	130.7542	1077205.766	1406831.792	140.204	1.7	VIA
775	29.4806	90.2124	138.6082	1077209.633	1406838.628	140.1935	1.7	PROY.VIA
776	26.3916	90.2326	140.2166	1077203.644	1406843.662	140.1011	1.7	PROY.VIA
777	27.4909	90.2104	141.6967	1077206.869	1406843.669	140.1881	1.7	PZA
778	25.2821	90.2441	129.5679	1077196.471	1406835.315	140.1258	1.7	ESQ-PARAMENTO
779	31.17	91.0406	127.272	1077206.829	1406827.101	140.3834	0	ESQ-PARAMENTO
780	33.184	90.4331	74.8609	1077181.887	1406780.894	140.1079	1.7	ESQ-PARAMENTO
781	22.4933	91.1127	76.6742	1077170.512	1406788.985	139.7621	1.4	ESQ-PARAMENTO
782	33.5458	90.5912	64.415	1077176.72	1406771.782	139.9464	1.7	ESQ-PARAMENTO
783	22.1709	91.4408	63.385	1077164.807	1406776.951	140.2358	0.6	ESQ-PARAMENTO
784	36.3034	91.1335	43.1935	1077166.486	1406753.038	140.1308	1.7	ESQ-PARAMENTO
785	18.3847	91.0755	38.9619	1077153.248	1406755.231	140.2856	1.7	ESQ-PARAMENTO
786	340.2338	90.5456	7.9802	1077138.132	1406725.829	140.9277	1.7	ESQ-PARAMENTO
787	73.0136	90.0543	8.1202	1077148.579	1406720.689	141.0417	1.7	ESQ-PARAMENTO
788	251.5818	87.5033	8.3595	1077132.872	1406715.724	141.3699	1.7	ESQ-PARAMENTO
789	163.3623	88.5759	9.5742	1077143.521	1406709.132	141.2279	1.7	ESQ-PARAMENTO
790	216.4519	89.2506	38.7571	1077117.64	1406687.25	141.4488	1.7	ESQ-PARAMENTO
791	200.0448	89.2048	40.7639	1077126.841	1406680.022	141.5201	1.7	ESQ-PARAMENTO
792	213.0007	90.3214	65.4813	1077105.181	1406663.38	141.7415	0.4	ESQ-PARAMENTO
793	203.2701	89.4627	66.0556	1077114.561	1406657.7	141.7158	1.3	ESQ-PARAMENTO
794	212.1312	89.3804	76.9756	1077099.81	1406653.17	141.5465	1.7	ESQ-PARAMENTO
795	203.2841	90.07	75.9837	1077110.582	1406648.604	142.1008	0.5	ESQ-PARAMENTO
796	211.0529	90.2151	116.7904	1077080.56	1406618.269	141.0138	1	ESQ-PARAMENTO
797	205.3449	90.1433	118.5337	1077089.695	1406611.371	141.2543	1	ESQ-PARAMENTO
798	208.4345	90.0938	122.3765	1077082.052	1406610.969	140.7134	1.7	CERCA
799	208.4344	90.0552	142.3726	1077072.451	1406593.428	140.8135	1.7	CERCA
800	206.0626	90.0935	123.1053	1077086.704	1406607.738	140.713	1.7	CERCA
801	206.0616	90.0323	143.1059	1077077.919	1406589.77	141.3155	1.3	
802	210.1042	90.025	117.4533	1077081.828	1406616.746	140.9592	1.7	VIA
803	207.1136	89.5214	117.4031	1077087.221	1406613.857	141.3211	1.7	VIA
804	209.4754	89.4209	94.5901	1077093.855	1406636.205	141.5472	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
805	207.0427	89.3814	94.4959	1077097.853	1406634.15	141.654	1.7	VIA
806	210.5125	89.3812	72.1949	1077103.821	1406656.319	141.5133	1.7	VIA
807	206.1225	89.3309	72.1607	1077108.984	1406653.555	141.6191	1.7	VIA
808	211.0026	89.3607	67.7607	1077105.941	1406660.218	141.5263	1.7	VIA
809	206.1203	89.3604	68.0359	1077110.81	1406657.253	141.5291	1.7	VIA
810	207.102	89.3251	69.696	1077109.022	1406656.294	141.6058	1.7	VIA
811	205.1937	89.3251	45.4581	1077121.392	1406677.215	141.4143	1.7	VIA
812	211.1827	89.325	44.7361	1077117.59	1406680.08	141.4088	1.7	VIA
813	307.0224	90.3002	29.1058	1077117.572	1406735.833	140.801	1.7	VIA
814	297.2638	90.3247	30.8666	1077113.414	1406732.524	140.7609	1.7	VIA
815	299.0132	90.3002	74.0803	1077076.02	1406754.22	140.4084	1.7	VIA
816	304.3958	90.4012	73.9907	1077079.938	1406760.362	140.1902	1.7	VIA
817	303.3519	90.3448	80.024	1077074.13	1406762.545	140.2456	1.7	VIA
818	299.0457	90.3005	80.6201	1077070.339	1406757.459	140.3503	1.7	VIA
819	297.2153	90.2322	83.4655	1077066.668	1406756.636	140.4884	1.7	ESQ-PARAMENTO
820	305.0327	90.3448	81.1984	1077074.324	1406764.914	140.2338	1.7	ESQ-PARAMENTO
821	306.0043	90.3933	70.651	1077083.645	1406759.818	140.2427	1.7	ESQ-PARAMENTO
822	296.2957	90.2404	70.9646	1077077.288	1406749.941	140.5586	1.7	ESQ-PARAMENTO
823	301.2942	90.2358	77.3335	1077074.851	1406758.676	140.5166	1.7	PZA
824	301.1332	90.224	77.1809	1077074.793	1406758.287	140.5469	1.7	D-17 - D18
825	301.1815	90.3216	143.379	1077018.313	1406792.808	139.711	1.7	D-17 - D-19
826	121.1331	89.135	77.1783	1077140.807	1406718.318	141.2986	1.7	D-18 - D-17
827	36.3753	91.0014	34.5936	1077095.414	1406786.055	139.6559	1.7	VIA
828	27.1434	90.4338	35.2124	1077090.892	1406789.6	139.815	1.7	VIA
829	28.3404	90.3654	68.0948	1077107.32	1406818.106	139.5312	1.7	VIA
830	32.5216	90.3248	69.0463	1077112.233	1406816.297	139.6033	1.7	VIA
831	32.2222	90.4147	73.9159	1077114.331	1406820.733	139.3637	1.7	VIA
832	28.0844	90.4537	74.141	1077109.726	1406823.675	139.2783	1.7	VIA
833	33.0259	90.3637	75.4429	1077115.898	1406821.542	139.4588	1.7	ALCANTARILLA
834	33.4935	90.3635	75.5522	1077116.813	1406821.07	139.4585	1.7	ALCANTARILLA
835	34.1743	90.3	66.6928	1077112.338	1406813.404	139.6801	1.7	ALCANTARILLA
836	31.5917	90.5057	103.2932	1077129.456	1406845.917	139.1317	1.3	ALCANTARILLA
837	31.4953	90.521	102.1867	1077128.632	1406845.126	139.1118	1.3	ALCANTARILLA
838	28.0805	91.3157	106.5369	1077124.958	1406852.23	139.1132	0	ALCANTARILLA
839	28.0357	91.0152	108.706	1077125.875	1406854.223	138.6068	1.4	ALCANTARILLA
840	30.5812	90.3847	107.9225	1077130.272	1406850.849	139.0449	1.7	VIA
841	28.3131	90.5754	136.4563	1077139.879	1406878.198	139.1653	0.5	VIA
842	30.4114	90.2523	136.2588	1077144.264	1406875.501	139.2574	1.7	VIA
843	29.5141	90.2421	143.5252	1077146.182	1406882.794	139.247	1.7	VIA
844	29.4102	90.2421	141.5043	1077144.796	1406881.258	139.2612	1.7	PZA
845	30.5609	90.5758	134.4794	1077143.85	1406873.658	139.6953	0	PZA
846	27.1534	91.3659	96.7991	1077119.062	1406844.326	139.2318	0	PZA
847	33.504	91.2605	94.3214	1077127.263	1406836.631	139.601	0	PZA
848	35.3911	90.344	76.8795	1077119.566	1406820.778	139.4872	1.7	PZA
849	26.3034	90.4753	76.6667	1077108.97	1406826.905	139.1946	1.7	PZA
850	36.1504	90.3902	65.577	1077113.538	1406811.189	139.5176	1.7	PZA
851	26.4226	90.3815	65.7243	1077104.296	1406817.012	139.531	1.7	PZA
852	39.2819	92.2912	41.2815	1077100.992	1406790.138	140.0709	0.1	PZA
853	25.2159	90.3048	45.1647	1077094.117	1406799.106	139.8574	1.7	PZA
854	199.2317	88.5619	31.8483	1077064.239	1406728.244	140.8519	1.7	
855	220.2305	88.5929	28.8553	1077056.112	1406736.3	140.7699	1.7	
856	205.3946	89.2805	68.9191	1077044.982	1406696.152	140.9019	1.7	
857	214.4654	90.5002	79.0768	1077029.725	1406693.32	140.6116	0.2	
858	205.4929	89.3609	79.1407	1077040.359	1406687.032	140.8115	1.7	
859	205.4929	89.3024	87.1726	1077036.865	1406679.801	141.0128	1.7	CERCA
860	210.0031	89.4326	79.2913	1077035.176	1406689.603	140.6443	1.7	CERCA
861	210.0031	89.3904	87.2869	1077031.182	1406682.677	140.7941	1.7	CERCA
862	214.4457	90.1159	70.1389	1077034.847	1406700.634	140.9177	0.8	CULATA
863	211.5433	89.3512	70.3176	1077037.659	1406698.576	140.7693	1.7	VIA
864	208.1945	89.3458	70.3734	1077041.434	1406696.324	140.7747	1.7	VIA
865	213.0657	89.1206	39.6005	1077053.178	1406725.11	140.8139	1.7	VIA
866	205.1644	89.0407	39.1413	1077058.101	1406722.889	140.8982	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
867	121.1815	89.1606	143.3762	1077140.807	1406718.318	141.323	1.7	D-19 - D-17
868	56.2902	88.2452	5.7262	1077023.084	1406795.971	139.6494	1.7	VIA
869	348.0532	89.1938	5.6188	1077017.151	1406798.305	139.557	1.7	VIA
870	267.5938	88.3531	3.3835	1077014.933	1406792.688	139.5741	1.7	VIA
871	141.5641	87.1631	4.8263	1077021.287	1406789.014	139.7204	1.7	VIA
872	214.2024	89.5352	27.1574	1077003.006	1406770.375	139.5395	1.7	VIA
873	201.4804	89.4242	25.4388	1077008.879	1406769.183	139.6191	1.7	VIA
874	207.5755	89.4248	49.6628	1076995.05	1406748.931	139.7397	1.7	PZA
875	210.3016	90.5738	68.7869	1076983.435	1406733.53	138.3382	1.7	PZA
876	205.4707	90.5924	68.8475	1076988.404	1406730.808	138.3017	1.7	PZA
877	204.4959	91.0654	71.2037	1076988.452	1406728.183	138.1058	1.7	CULATA
878	204.4959	91.0849	79.2014	1076985.098	1406720.925	137.9062	1.7	NIVEL
879	211.4313	90.5448	68.6201	1076982.272	1406734.425	138.3975	1.7	PARAMENTO
880	201.3705	90.2325	41.5821	1077003.016	1406754.143	140.208	0.7	PARAMENTO
881	215.5844	89.47	44.5265	1076992.175	1406756.761	139.6595	1.7	PARAMENTO
882	155.1536	86.3822	8.8509	1077022.015	1406784.785	140.0098	1.7	PARAMENTO
883	262.05	89.4622	6.3271	1077012.047	1406791.933	139.5161	1.7	PARAMENTO
884	77.2621	87.4947	9.3946	1077027.475	1406794.855	139.8468	1.7	PARAMENTO
885	352.161	88.0438	8.5815	1077017.155	1406801.306	139.7789	1.7	PARAMENTO
886	22.3617	89.4554	43.1278	1077034.867	1406832.632	139.6679	1.7	PARAMENTO
887	38.1207	89.5332	44.3817	1077045.741	1406827.7	139.9746	1.3	PARAMENTO
888	24.4625	89.1409	65.2638	1077045.625	1406852.076	140.3616	1.7	PARAMENTO
889	35.0931	90.0904	64.915	1077055.664	1406845.901	140.0202	1	PARAMENTO
890	25.4113	89.3932	77.2452	1077051.755	1406862.437	139.9514	1.7	PARAMENTO
891	29.1944	89.2355	70.8362	1077052.973	1406854.581	140.2348	1.7	PZA
892	29.0055	89.2405	70.8061	1077052.656	1406854.723	140.231	1.7	D-19 - D-20
893	33.5912	90.0906	77.2316	1077061.449	1406856.87	139.7869	1.2	ESQ-PARAMENTO
894	32.1242	89.4627	75.1001	1077058.309	1406856.371	140.2875	1.2	VIA
895	27.0038	89.4328	74.7794	1077052.236	1406859.449	140.3511	1.2	VIA
896	32.1114	89.4645	67.8829	1077054.441	1406850.278	140.0529	1.4	VIA
897	26.4243	89.3005	67.4402	1077048.592	1406853.066	140.3781	1.4	VIA
898	26.4242	89.3004	67.4434	1077048.594	1406853.069	140.0786	1.7	VIA
899	33.0351	89.353	43.1772	1077041.849	1406829.005	139.7987	1.7	VIA
900	26.3849	89.4128	41.447	1077036.881	1406829.863	139.7145	1.7	VIA
901	242.5159	90.2456	58.1125	1076966.613	1406766.276	139.0699	1.7	CULATA
902	261.524	89.5953	60.4183	1076958.506	1406784.238	139.4934	1.7	CULATA
903	300.2507	90.1154	29.0112	1076993.287	1406807.482	139.3906	1.7	VIA
904	308.2223	90.034	29.423	1076995.236	1406811.06	139.4597	1.7	VIA
905	306.5349	90.1857	65.3782	1076966.008	1406832.029	139.1308	1.7	VIA
906	303.1701	90.1642	65.6914	1076963.378	1406828.827	139.1722	1.7	VIA
907	302.3019	90.1735	71.994	1076957.577	1406831.461	139.123	1.7	VIA
908	305.3615	90.1621	71.6004	1076960.075	1406834.459	139.1507	1.7	VIA
909	302.5118	90.3933	105.0643	1076930.028	1406849.753	138.283	1.7	VIA
910	301.0951	90.4131	104.6808	1076928.715	1406846.924	138.2275	1.7	VIA
911	304.4934	90.5314	107.4342	1076930.097	1406854.105	138.5282	1	PARAMENTO
912	306.5443	90.1803	73.0761	1076959.86	1406836.663	139.1076	1.7	PARAMENTO
913	308.4233	90.2912	63.2416	1076968.943	1406832.328	138.9541	1.7	PARAMENTO
914	298.5624	90.4203	63.5202	1076962.712	1406823.511	138.7145	1.7	PARAMENTO
915	309.403	90.1526	42.8018	1076985.354	1406820.115	139.699	1.3	PARAMENTO
916	295.2311	91.1547	32.8064	1076988.674	1406806.852	139.4679	1	PARAMENTO
917	209.0056	90.1349	70.7897	1077018.32	1406792.819	139.7168	1.73	D-20 D-16
918	25.3122	91.0446	29.5606	1077065.375	1406881.402	139.4442	1.73	VIA
919	35.2823	91.0448	29.6831	1077069.865	1406878.902	139.4415	1.73	VIA
920	27.3437	90.3523	66.7636	1077083.528	1406913.916	139.314	1.73	VIA
921	32.4514	90.3949	66.5622	1077088.634	1406910.719	139.2305	1.73	VIA
922	32.4004	90.3552	73.5612	1077092.324	1406916.667	139.2339	1.73	VIA
923	26.5838	90.2941	73.9644	1077086.17	1406920.656	139.3627	1.73	VIA
924	29.2541	90.2941	72.1682	1077088.077	1406917.598	139.3783	1.73	PZA
925	28.0238	90.2943	73.7055	1077087.27	1406919.792	139.3642	1.73	PZT
926	32.0058	90.2922	128.1714	1077120.543	1406963.434	138.9075	1.73	VIA
927	29.2653	90.2502	128.1951	1077115.616	1406966.389	139.0684	1.73	VIA
928	29.2234	90.2218	133.7084	1077118.178	1406971.274	139.1347	1.73	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
929	31.5429	90.2636	132.9162	1077122.843	1406967.592	138.9736	1.73	VIA
930	30.0721	90.2055	132.8827	1077119.277	1406969.697	139.1939	1.73	PZA
931	29.4308	90.2954	207.9309	1077155.63	1407035.357	138.9257	1	VIA
932	30.56	90.2159	209.7136	1077160.353	1407034.666	138.693	1.7	VIA
933	31.0046	90.2305	214.9686	1077163.307	1407039.022	138.591	1.7	VIA
934	29.5307	90.2618	214.5955	1077159.473	1407040.838	138.592	1.5	VIA
935	31.5408	90.3539	206.1931	1077161.518	1407029.824	139.1955	0.4	ESQ-PARAMENTO
936	29.1432	90.2953	204.5098	1077152.454	1407033.221	138.9559	1	ESQ-PARAMENTO
937	32.5217	90.2013	136.2394	1077126.534	1406969.19	139.2311	1.7	ESQ-PARAMENTO
938	28.2849	90.2036	135.4027	1077117.155	1406973.774	139.2208	1.7	ESQ-PARAMENTO
939	33.0553	90.2604	124.4278	1077120.541	1406958.997	139.0887	1.7	ESQ-PARAMENTO
940	28.2419	90.2203	126.0555	1077112.557	1406965.634	139.2233	1.7	ESQ-PARAMENTO
941	26.0019	90.1709	75.7966	1077085.85	1406922.864	139.6533	1.7	ESQ-PARAMENTO
942	34.15	90.5556	75.3285	1077095.01	1406917.005	139.3059	1.2	ESQ-PARAMENTO
943	34.5634	90.1346	63.9197	1077089.236	1406907.14	139.2752	2.2	ESQ-PARAMENTO
944	24.5751	90.1537	64.2983	1077079.76	1406913.029	139.7392	1.7	ESQ-PARAMENTO
945	21.064	90.4638	35.8353	1077065.543	1406888.158	139.545	1.7	ESQ-PARAMENTO
946	39.165	91.0105	36.3592	1077075.656	1406882.876	139.3851	1.7	VIA
947	306.5838	90.3452	29.8092	1077028.833	1406872.639	139.7287	1.7	VIA
948	299.3412	90.3911	29.566	1077026.934	1406869.298	139.6941	1.7	VIA
949	304.2942	90.4257	67.9307	1076996.652	1406893.16	139.1826	1.7	VIA
950	300.2427	90.5024	67.289	1076994.61	1406888.745	139.0447	1.7	VIA
951	304.4723	90.4051	74.3628	1076991.566	1406897.115	139.1476	1.7	VIA
952	301.1127	90.4458	74.4627	1076988.941	1406893.247	139.0574	1.7	VIA
953	302.122	90.4104	72.6074	1076991.202	1406893.382	139.1638	1.7	PZA
954	299.0417	90.4409	75.1122	1076986.991	1406891.18	139.0667	1.7	ESQ-PARAMENTO
955	306.2228	90.3448	77.222	1076990.457	1406900.483	139.2499	1.7	ESQ-PARAMENTO
956	306.3625	90.3009	65.4511	1077000.095	1406893.722	139.4574	1.7	ESQ-PARAMENTO
957	297.3324	90.4345	64.8069	1076995.189	1406884.67	139.2066	1.7	ESQ-PARAMENTO
958	302.2725	90.3948	72.4415	1076991.512	1406893.563	139.1926	1.7	D-20 D-21
959	302.0016	90.3358	145.8037	1076929.021	1406931.995	138.5916	1.7	D-20 - D22
960	122.2726	89.003	72.4482	1077052.656	1406854.723	140.2469	1.7	D21 - D20
961	203.1439	90.3709	80.9017	1076959.628	1406819.214	137.0188	2.8	CULATA
962	210.0214	90.0833	18.2618	1076982.38	1406877.749	138.9472	1.7	VIA
963	196.1719	90.0907	18.4941	1076986.335	1406875.808	138.9436	1.7	VIA
964	35.4939	89.0844	28.0185	1077007.898	1406916.287	139.4105	1.7	VIA
965	26.1511	89.1901	28.8764	1077004.27	1406919.466	139.3369	1.7	VIA
966	32.1254	89.2918	66.4083	1077026.881	1406949.766	139.586	1.7	VIA
967	26.275	89.3219	66.8125	1077021.251	1406953.39	139.5308	1.7	VIA
968	31.3922	89.295	73.4905	1077030.045	1406956.139	139.638	1.7	VIA
969	26.2841	89.3508	73.974	1077024.456	1406959.794	139.528	1.7	VIA
970	28.5654	89.3105	71.8202	1077026.238	1406956.427	139.5972	1.7	PZA
971	27.3437	89.3153	73.7901	1077025.634	1406958.987	139.5965	1.7	PZT
972	28.1145	89.4614	127.6594	1077051.765	1407006.107	139.5047	1.7	VIA
973	30.3734	89.4612	127.5342	1077056.42	1407003.344	139.5053	1.7	VIA
974	27.4309	89.4828	135.739	1077054.581	1407013.76	139.4492	1.7	VIA
975	30.2124	89.4952	133.4758	1077058.903	1407008.776	139.3871	1.7	VIA
976	29.074	89.4514	131.0343	1077055.229	1407008.061	139.5564	1.7	PZA
977	28.2014	89.5728	195.5024	1077084.212	1407065.691	139.1396	1.7	VIA
978	30.0554	89.5953	196.9107	1077090.163	1407063.98	139.0015	1.7	VIA
979	29.4546	90.0114	201.4966	1077091.438	1407068.537	138.9234	1.7	VIA
980	31.1926	89.5914	195.4728	1077093.039	1407060.602	139.0388	1.7	ESQ-PARAMENTO
981	27.2101	89.5722	191.1957	1077079.257	1407063.435	139.1415	1.7	ESQ,CANCHA
982	31.1739	90.2708	135.7534	1077061.959	1407009.602	139.5224	0.1	ESQ,CANCHA
983	26.3531	89.4048	137.3076	1077052.905	1407016.379	139.4606	2	ESQ,CANCHA
984	27.2303	89.3906	125.2074	1077049.038	1407004.771	139.755	1.7	ESQ-PARAMENTO
985	32.0148	90.0615	124.056	1077057.247	1406998.771	139.6683	0.8	ESQ-PARAMENTO
986	25.4814	89.3227	75.612	1077024.386	1406961.652	139.5991	1.7	ESQ-PARAMENTO
987	33.1721	89.2518	75.9279	1077033.148	1406957.052	139.7594	1.7	ESQ-PARAMENTO
988	35.4637	90.3314	63.4731	1077028.59	1406945.077	139.8792	0.2	ESQ,PLAZA
989	25.0349	89.2944	64.6554	1077018.868	1406952.144	139.5622	1.7	ESQ-PARAMENTO
990	122.0017	89.1656	145.8029	1077052.651	1406854.726	140.2546	1.7	D-22 - D-20



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
991	59.1751	88.02	4.142	1076932.579	1406934.111	138.5687	1.7	VIA
992	168.4202	88.3014	3.546	1076929.717	1406928.52	138.5192	1.7	VIA
993	252.1711	89.1332	4.4067	1076924.824	1406930.652	138.4862	1.7	VIA
994	340.1025	88.0942	5.4521	1076927.169	1406937.121	138.6015	1.7	VIA
995	209.0927	90.1708	38.7569	1076910.157	1406898.139	138.2336	1.7	VIA
996	215.0158	90.1311	56.3281	1076896.712	1406885.855	138.2107	1.7	VIA
997	211.075	88.4414	78.6151	1076888.425	1406864.695	140.1594	1.7	D-22 - D-23
998	206.1003	90.5056	67.8275	1076899.147	1406871.109	138.1219	1	ESQ-PARAMENTO
999	219.5353	91.1447	68.3536	1076885.217	1406879.543	138.04	0.6	ESQ-PARAMENTO
1000	201.2816	90.1725	35.8791	1076915.907	1406898.599	138.245	1.7	PARAMENTO
1001	222.1801	90.0411	51.1681	1076894.605	1406894.13	138.3646	1.7	PARAMENTO
1002	170.0313	100.034	7.8223	1076930.355	1406924.41	138.76	0	PARAMENTO
1003	223.4641	90.0352	41.8342	1076900.094	1406901.773	138.3797	1.7	PARAMENTO
1004	216.1211	90.224	38.4047	1076906.355	1406900.993	138.1735	1.7	PZA
1005	268.3205	88.0557	10.8403	1076918.19	1406931.712	138.7862	1.7	PARAMENTO
1006	223.4018	90.103	18.552	1076916.218	1406918.569	138.37	1.7	PZA
1007	347.02	87.1755	8.7826	1076927.047	1406940.543	138.8406	1.7	PARAMENTO
1008	76.4746	98.5658	8.8953	1076937.574	1406934.007	138.7428	0	PARAMENTO
1009	21.3137	90.2031	33.7776	1076941.397	1406963.423	138.2251	1.7	PARAMENTO
1010	39.3525	92.181	38.8916	1076953.769	1406961.956	138.564	0	PARAMENTO
1011	27.1145	90.1416	66.1271	1076959.209	1406990.829	138.1526	1.7	PARAMENTO
1012	36.4923	91.1526	65.4633	1076968.217	1406984.408	138.6906	0	PARAMENTO
1013	28.2158	89.5813	77.0789	1076965.603	1406999.84	140.1671	0	PARAMENTO
1014	28.2157	89.5813	77.0789	1076965.602	1406999.84	138.4671	1.7	PARAMENTO
1015	35.2051	89.5441	76.7608	1076973.394	1406994.631	138.5459	1.7	PARAMENTO
1016	29.2908	89.5243	124.6857	1076990.33	1407040.566	138.6915	1.7	PARAMENTO
1017	34.3649	89.3754	124.7129	1076999.803	1407034.672	139.2291	1.7	PARAMENTO
1018	29.3243	90.0612	135.6437	1076995.841	1407050.039	139.3834	0.5	PARAMENTO
1019	35.1425	89.4637	136.1245	1077007.502	1407043.217	138.9575	1.7	PARAMENTO
1020	29.4459	90.0128	177.7159	1077017.118	1407086.338	139.5529	0.5	PARAMENTO
1021	34.3606	89.4616	185.5089	1077034.277	1407084.75	139.1699	1.7	PARAMENTO
1022	33.2551	89.4929	193.0783	1077035.301	1407093.189	139.0194	1.7	VIA
1023	31.154	89.4721	186.1538	1077025.532	1407091.175	139.1137	1.7	VIA
1024	31.2236	89.4837	191.9296	1077028.857	1407095.914	139.0648	1.7	VIA
1025	31.1933	89.4744	185.2885	1077025.263	1407090.327	139.0899	1.7	VIA
1026	31.4151	89.4714	188.5725	1077028.011	1407092.494	139.1292	1.7	PZA
1027	31.3818	89.4715	190.5312	1077028.872	1407094.265	139.1361	1.7	VIA
1028	30.5722	89.4953	132.1202	1076996.916	1407045.335	138.8166	1.7	VIA
1029	30.4237	89.4952	126.7372	1076993.683	1407040.995	138.8013	1.7	VIA
1030	33.0605	89.4709	132.8825	1077001.527	1407043.352	138.9242	1.7	VIA
1031	32.56	89.471	127.5328	1076998.294	1407039.073	138.9041	1.7	VIA
1032	32.0843	89.4708	130.1911	1076998.228	1407042.267	138.9148	1.7	PZA
1033	33.4734	90.0433	74.5407	1076970.444	1406993.966	138.3285	1.7	VIA
1034	28.3618	90.0551	74.9037	1076964.845	1406997.777	138.2996	1.7	VIA
1035	34.2255	90.0748	67.7162	1076967.229	1406987.902	138.2733	1.7	VIA
1036	28.5318	90.1156	67.7861	1076961.734	1406991.364	138.1915	1.7	VIA
1037	32.4214	90.0359	72.9928	1076968.423	1406993.439	138.3423	1.7	PZA
1038	25.1821	90.0357	29.6719	1076941.689	1406958.827	138.3925	1.7	VIA
1039	35.504	90.072	28.4191	1076945.649	1406955.041	138.3661	1.7	VIA
1040	295.3901	89.1355	51.0972	1076882.951	1406954.086	139.1118	1.7	VIA
1041	304.1234	89.2725	50.2892	1076887.418	1406960.244	138.9034	1.7	VIA
1042	301.1609	89.252	56.4817	1076880.729	1406961.284	138.9964	1.7	VIA
1043	295.3805	89.165	56.3229	1076878.232	1406956.332	139.134	1.7	VIA
1044	298.394	89.1423	55.0793	1076880.694	1406958.411	139.1578	1.7	D-22 - D24
1045	118.3941	90.2153	55.0783	1076929.023	1406931.994	138.6124	1.7	D-24 - D-22
1046	217.0157	90.0705	45.8989	1076853.072	1406921.754	138.8683	1.7	VIA
1047	207.1549	90.0246	42.5524	1076861.223	1406920.575	138.9287	1.7	VIA
1048	198.1253	89.5634	35.6532	1076869.569	1406924.538	139.0985	1.6	PARAMENTO
1049	232.4345	88.425	18.5778	1076865.921	1406947.155	139.4798	1.6	PARAMENTO
1050	253.5127	89.1659	23.5666	1076858.062	1406951.846	139.2577	1.7	PARAMENTO
1051	279.3159	89.2709	17.2607	1076863.671	1406961.26	139.1277	1.7	PARAMENTO
1052	287.4341	90.1136	27.9149	1076854.1	1406966.896	138.8686	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1053	297.5005	91.2953	65.2556	1076822.991	1406988.837	137.2572	1.7	CERCA
1054	298.525	92.0014	66.103	1076822.83	1406990.285	136.6516	1.7	VIA
1055	301.4657	92.0105	64.0713	1076826.245	1406992.105	136.7069	1.7	VIA
1056	217.4516	90.0836	48.9227	1076850.762	1406919.714	138.8406	1.7	D-24 - D 25
1057	322.1236	89.4954	16.2681	1076870.719	1406971.261	139.0106	1.7	PARAMENTO
1058	341.0554	89.3521	19.5313	1076874.357	1406976.885	139.1029	1.7	PARAMENTO
1059	6.3154	89.4033	13.627	1076882.237	1406971.95	139.0399	1.7	PARAMENTO
1060	170.5031	87.361	8.2073	1076882.004	1406950.316	139.3061	1.7	PARAMENTO
1061	74.4357	90.2413	13.3117	1076893.534	1406961.923	139.069	1.5	PARAMENTO
1062	18.3456	89.3332	26.3862	1076889.088	1406983.425	139.166	1.7	PARAMENTO
1063	38.0048	92.1201	39.9868	1076905.284	1406989.906	138.6277	0.5	PARAMENTO
1064	24.504	91.0249	48.4979	1076901.043	1407002.425	138.0768	1.7	PARAMENTO
1065	33.4219	91.4034	69.6711	1076919.307	1407016.368	138.2254	0.4	PARAMENTO
1066	26.5135	90.4758	70.0775	1076912.317	1407020.94	137.9852	1.7	PARAMENTO
1067	32.5737	91.3949	80.193	1076924.268	1407025.693	138.3352	0	PARAMENTO
1068	26.1601	90.4345	81.7671	1076916.836	1407031.749	137.9228	1.7	PARAMENTO
1069	32.2123	90.3704	128.3539	1076949.322	1407066.869	137.58	1.7	PARAMENTO
1070	28.4904	90.1552	182.4561	1076968.642	1407118.269	138.1229	1.7	D-24 - D-26
1071	29.5807	90.3034	139.2742	1076950.195	1407079.098	137.7256	1.7	PARAMENTO
1072	30.4233	90.3513	135.5643	1076949.855	1407074.998	137.5753	1.7	VIA
1073	30.5005	90.3453	129.5689	1076947.04	1407069.697	137.6493	1.7	VIA
1074	28.4951	90.3609	130.6891	1076943.648	1407072.93	137.5898	1.7	VIA
1075	31.5741	90.4147	78.3891	1076922.149	1407024.935	138.0106	1.7	VIA
1076	27.5242	90.4513	78.6276	1076917.418	1407027.928	137.9289	1.7	VIA
1077	31.5023	90.4627	71.328	1076918.285	1407019.022	137.9993	1.7	VIA
1078	28.0433	90.4823	71.6165	1076914.361	1407021.613	137.9553	1.7	VIA
1079	30.1124	90.4232	78.5591	1076920.158	1407026.331	137.9913	1.7	VIA
1080	31.2946	90.4231	76.6745	1076920.712	1407023.807	138.015	1.7	PZT
1082	32.4935	91.0725	44.5327	1076904.81	1406995.839	138.0897	1.7	VIA
1083	26.2116	91.1112	40.8501	1076898.804	1406995.018	138.1169	1.7	VIA
1084	298.5554	92.285	120.4885	1076775.309	1407016.584	133.7488	1.7	D-24 - D27
1085	37.4518	89.2321	48.9328	1076880.699	1406958.416	139.1773	1.7	D-25 - D-24
1086	104.2751	90.1502	37.2564	1076886.843	1406910.428	138.4928	1.7	CULATA
1087	141.2301	90.1121	21.0087	1076863.883	1406903.306	138.5863	1.7	NIVEL
1088	89.5715	88.3848	27.1793	1076877.934	1406919.751	139.2976	1.7	CULATA
1089	340.0953	84.0827	1.6941	1076850.189	1406921.299	138.8285	1.7	PARAMENTO
1090	304.1431	89.0844	23.0791	1076831.678	1406932.688	138.9998	1.7	PARAMENTO
1091	295.4734	91.24	28.9295	1076824.715	1406932.283	137.9489	1.7	CASA
1092	279.4403	92.2838	30.2925	1076820.931	1406924.814	137.3464	1.7	CASA
1093	296.1106	92.1247	33.0716	1076821.098	1406934.279	137.3786	1.7	CASA
1094	275.5743	91.2602	59.129	1076791.968	1406925.82	137.1762	1.7	PARAMENTO
1095	268.5844	91.5922	49.7039	1076801.097	1406918.8	136.9303	1.7	PARAMENTO
1096	266.4358	92.0905	46.2314	1076804.64	1406917.054	136.9203	1.7	PARAMENTO
1097	256.2628	92.0322	37.9576	1076813.891	1406910.799	137.2938	1.7	PARAMENTO
1098	248.554	91.4526	45.1211	1076808.687	1406903.474	137.2721	1.7	PARAMENTO
1099	247.3308	91.2342	31.9656	1076821.234	1406907.495	137.8774	1.7	CASA
1100	236.0953	91.0358	28.7687	1076826.879	1406903.684	138.1204	1.7	CASA
1101	231.2129	90.2459	36.6141	1076822.178	1406896.834	138.3895	1.7	CASA
1102	243.1637	87.3154	58.4369	1076798.63	1406893.431	137.0726	5.8	CASA
1103	249.5858	88.4137	64.0009	1076790.656	1406897.777	137.115	4.7	CASA
1104	254.4117	86.4107	55.4954	1076797.335	1406905.053	136.9645	6.6	CASA
1105	269.2402	88.104	63.4266	1076787.372	1406919.014	136.8726	5.5	CULATA
1106	221.2537	91.1141	46.211	1076820.212	1406885.055	137.6923	1.7	CERCA
1107	198.0446	91.3653	42.9669	1076837.456	1406878.877	137.4449	1.7	CERCA
1108	186.5553	91.1938	48.1382	1076844.981	1406871.937	137.5407	1.7	NIVEL
1109	225.1306	91.4509	72.9208	1076799.056	1406868.342	136.4259	1.7	NIVEL
1110	176.391	90.4445	59.2226	1076854.253	1406860.599	137.385	2.2	NIVEL
1111	213.4643	91.1403	77.4332	1076807.757	1406855.342	136.9883	1.7	NIVEL
1112	185.3646	90.5739	78.0591	1076843.173	1406842.035	136.8471	2.2	NIVEL
1113	205.0015	91.0102	85.9767	1076814.471	1406841.787	137.1299	1.7	NIVEL
1114	193.19	90.4447	72.603	1076834.081	1406849.059	137.2101	2.2	NIVEL
1115	197.1446	91.0126	97.5766	1076821.89	1406826.522	136.9127	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1116	204.5656	91.0832	64.1755	1076823.731	1406861.523	136.8765	2.2	NIVEL
1117	214.4431	91.1134	97.3345	1076795.35	1406839.717	137.7302	0.6	NIVEL
1118	193.1123	90.1826	31.5765	1076843.575	1406888.966	138.4864	1.7	NIVEL
1119	235.0938	90.5337	22.1013	1076832.632	1406907.079	138.3109	1.7	NIVEL
1120	262.4846	92.2528	28.9703	1076822.047	1406916.076	137.4302	1.7	NIVEL
1121	273.3139	92.1914	44.5558	1076806.326	1406922.428	136.8517	1.7	NIVEL
1122	276.3148	91.1521	82.0513	1076769.257	1406928.996	136.8578	1.7	NIVEL
1123	279.2233	91.532	56.4371	1076795.104	1406928.871	136.7956	1.7	NIVEL
1124	276.14	90.4722	110.0249	1076741.391	1406931.597	137.1407	1.7	NIVEL
1125	286.3137	91.0418	102.7382	1076752.269	1406948.878	136.7346	1.7	NIVEL
1126	299.1555	92.2058	49.4193	1076807.673	1406943.828	136.6299	1.7	NIVEL
1127	286.283	91.1254	80.9525	1076773.138	1406942.622	136.9394	1.7	NIVEL
1128	298.1429	92.1826	54.0844	1076803.14	1406945.258	136.4786	1.7	NIVEL
1129	118.5552	87.1821	120.5078	1076880.694	1406958.412	139.1691	1.73	D-27 - D-25
1130	102.4931	85.0508	46.7998	1076820.779	1407006.26	137.5131	1.73	PARAMENTO
1131	114.2117	88.1235	50.9288	1076821.695	1406995.619	135.095	1.73	CAMINO
1132	117.2245	88.1711	50.4813	1076820.129	1406993.405	135.0435	1.7	CAMINO
1133	91.5922	89.3432	21.716	1076797.012	1407015.843	133.6947	1.7	CAMINO
1134	103.335	89.2318	21.3346	1076796.05	1407011.593	133.7616	1.7	CAMINO
1135	347.1604	90.1525	15.5355	1076771.876	1407031.736	133.6641	1.5	CAMINO
1136	333.5227	90.4445	13.7615	1076769.243	1407028.935	133.3547	1.7	CAMINO
1137	324.3254	90.2329	29.3223	1076758.288	1407040.46	133.3336	1.7	CAMINO
1138	318.5134	90.0848	28.9231	1076756.268	1407038.356	133.4598	1.7	CAMINO
1139	319.4312	90.1127	31.7762	1076754.751	1407040.815	133.428	1.7	CERCA
1140	306.4241	90.0909	19.6936	1076759.515	1407028.348	133.4814	1.7	CERCA
1141	359.0636	90.5349	20.2042	1076774.984	1407036.784	133.2176	1.7	CERCA
1142	113.2505	89.4556	16.8523	1076790.777	1407009.896	133.6028	1.7	CERCA
1143	61.0829	90.5639	17.4377	1076790.574	1407025.008	133.2465	1.7	CERCA
1144	114.49	89.5236	29.2569	1076801.871	1407004.32	133.5968	1.7	CERCA
1145	208.2812	85.561	25.677	1076763.112	1406994.063	135.3536	1.7	CASA
1146	208.2539	85.5942	19.288	1076766.159	1406999.658	135.281	1.3	CASA
1147	249.3905	86.184	25.4191	1076751.53	1407007.75	135.1693	1.7	CASA
1148	164.1545	86.4737	33.803	1076784.481	1406984.105	135.4245	1.7	NIVEL
1149	186.5509	86.2951	35.7498	1076771.03	1406981.159	135.718	1.7	NIVEL
1150	140.2522	84.241	19.9012	1076787.936	1407001.326	135.4749	1.7	NIVEL
1151	168.4957	86.0134	32.6968	1076781.644	1406984.587	135.7998	1.7	D-27 - D-27A
1152	257.4706	89.4455	29.0868	1076746.884	1407010.414	133.6615	1.7	NIVEL
1153	257.0055	89.4212	20.7453	1076755.097	1407011.912	133.6412	1.7	NIVEL
1154	206.4116	87.3821	7.0724	1076772.139	1407010.269	133.8251	1.7	NIVEL
1156	348.4957	93.0837	32.6512	1076775.312	1407016.569	133.7643	1.7	D-27A - D-27
1157	133.4734	98.2257	13.5007	1076791.291	1406975.35	133.5866	1.7	CHARCA
1158	173.011	99.5901	13.2386	1076783.236	1406971.647	133.2597	1.7	CHARCA
1159	208.2341	98.2313	15.8626	1076774.19	1406970.778	133.2411	1.7	CHARCA
1160	90.0415	97.5657	12.017	1076793.546	1406984.58	133.8929	1.7	CHARCA
1161	216.1239	96.4101	19.1918	1076770.392	1406969.201	133.3212	1.7	CHARCA
1162	71.2549	97.3828	17.7012	1076798.272	1406990.184	133.2011	1.7	CHARCA
1163	206.0928	96.1154	21.9026	1076772.056	1406965.038	133.19	1.7	CHARCA
1164	198.5057	95.4921	23.6581	1076774.053	1406962.309	133.1548	1.7	CHARCA
1165	71.2622	95.3157	25.0578	1076805.284	1406992.54	133.139	1.7	CHARCA
1166	181.2358	96.2129	22.4806	1076781.111	1406962.251	133.0653	1.7	CHARCA
1167	80.3841	94.5027	29.0803	1076810.233	1406989.314	133.1008	1.7	CHARCA
1168	159.1547	96.2312	22.2668	1076789.491	1406963.897	133.078	1.7	CHARCA
1169	95.1542	94.1726	29.3258	1076810.766	1406981.922	133.3608	1.7	CHARCA
1170	140.3055	95.0431	28.2124	1076799.526	1406962.909	133.059	1.7	CHARCA
1171	111.0742	94.2112	30.4285	1076809.952	1406973.667	133.2451	1.7	CHARCA
1172	128.4308	94.4932	30.627	1076805.467	1406965.512	132.9784	1.7	CHARCA
1173	120.0215	86.4328	38.678	1076815.084	1406965.277	137.7648	1.7	CASA
1174	108.2529	85.0147	39.185	1076818.688	1406972.27	138.4498	2.2	CASA
1175	260.2859	90.0609	18.3568	1076763.542	1406981.542	135.522	1.7	NIVEL
1176	254.0941	94.5149	21.8544	1076760.699	1406978.632	133.7019	1.7	NIVEL
1177	246.5801	94.5109	26.2351	1076757.593	1406974.346	133.3355	1.7	NIVEL
1178	242.5646	94.0952	32.7216	1076752.589	1406969.727	133.1786	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1179	285.3145	91.5635	30.4994	1076752.271	1406992.732	134.5208	1.7	NIVEL
1180	285.2449	92.2847	31.5556	1076751.247	1406992.949	134.1895	1.7	NIVEL
1181	285.1817	92.0743	46.4254	1076736.889	1406996.808	133.8306	1.7	NIVEL
1182	270.28	94.5527	41.215	1076740.583	1406984.899	133.7171	0	NIVEL
1183	293.1502	92.3114	36.453	1076748.176	1406998.944	133.9518	1.7	NIVEL
1184	208.4903	89.3553	182.4672	1076880.691	1406958.403	139.2148	1.7	D-26 - D-24
1185	218.3436	90.1513	47.3486	1076939.138	1407081.237	137.7234	1.7	PARAMENTO
1186	209.4446	90.2627	64.8962	1076936.476	1407061.908	137.4338	1.7	CARCAMO
1187	210.3704	90.2749	65.2593	1076935.438	1407062.091	137.4052	1.7	CARCAMO
1188	209.5448	90.2546	63.972	1076936.772	1407062.803	137.4535	1.7	CARCAMO
1189	213.4148	90.4205	45.9365	1076943.18	1407080.039	137.3708	1.7	CARCAMO
1190	213.4408	90.4206	45.0256	1076943.66	1407080.814	137.3818	1.7	CARCAMO
1191	214.4648	90.4207	45.0265	1076942.98	1407081.275	137.3815	1.7	CARCAMO
1192	268.4625	89.5457	12.356	1076956.289	1407117.998	137.9511	1.7	PARAMENTO
1193	208.1655	84.5837	4.9104	1076966.327	1407113.96	138.3628	1.7	PARAMENTO
1194	317.1909	89.4227	15.6553	1076958.023	1407129.772	138.0128	1.7	PARAMENTO
1195	8.1444	84.2252	8.81	1076969.894	1407126.947	138.7955	1.7	PARAMENTO
1196	305.4532	88.5624	7.6457	1076962.436	1407122.733	138.0743	1.7	PZA
1197	272.5142	89.5145	10.4537	1076958.201	1407118.785	137.958	1.7	VIA
1198	253.4157	86.3617	3.5894	1076965.203	1407117.262	138.1455	1.7	VIA
1199	311.0936	90.0157	11.5603	1076959.934	1407125.873	137.9263	1.7	VIA
1200	299.5848	90.4728	40.3657	1076933.669	1407138.418	137.3757	1.7	VIA
1201	293.2942	91.0201	40.0609	1076931.899	1407134.217	137.2103	1.7	VIA
1202	293.4946	90.5302	78.611	1076896.723	1407149.985	136.7206	1.7	VIA
1203	293.3945	90.534	86.1666	1076889.71	1407152.803	136.5884	1.7	VIA
1204	297.5411	90.5447	84.3195	1076894.112	1407157.682	136.5899	1.7	VIA
1205	291.3606	90.3203	74.5898	1076899.278	1407145.689	137.2379	1.7	PARAMENTO
1206	299.4859	90.3742	74.8434	1076903.689	1407155.444	137.1127	1.7	PARAMENTO
1207	294.2102	90.5118	80.9192	1076894.911	1407151.588	136.726	1.7	D-26 - D-28
1208	295.1418	90.414	178.3204	1076807.356	1407194.297	135.7739	1.7	D-26 - D-29
1209	114.2102	88.5012	80.9114	1076968.628	1407118.276	138.1489	1.7	D-28 - D-26
1210	203.0329	89.0323	27.2056	1076884.271	1407126.554	136.9541	1.7	VIA
1211	212.4623	89.0419	27.1975	1076880.203	1407128.715	136.9466	1.7	VIA
1212	216.3043	89.2549	20.5972	1076882.665	1407135.028	136.7109	1.7	SUMIDERO
1213	213.3708	89.2858	30.7207	1076877.917	1407125.997	136.7834	1.7	SUMIDERO
1214	212.1011	89.4653	40.1764	1076873.539	1407117.568	136.6593	1.7	SUMIDERO
1215	202.5639	89.5012	43.1885	1076878.097	1407111.807	137.0293	1.3	SUMIDERO
1216	210.5418	89.404	56.4017	1076865.97	1407103.179	136.8235	1.7	SUMIDERO
1217	203.4629	89.5236	49.6578	1076874.917	1407106.133	136.6131	1.7	SUMIDERO
1218	210.0744	89.2329	91.7994	1076848.88	1407072.17	137.4818	1.7	VIA
1219	205.4352	89.2424	92.3355	1076854.872	1407068.39	137.4627	1.7	VIA
1220	207.4734	89.2117	92.1316	1076852.001	1407070.066	137.5443	1.7	PZT
1221	208.5932	89.2118	94.9058	1076848.961	1407068.555	137.5748	1.7	PZA
1222	208.0257	89.2433	99.1009	1076848.363	1407064.106	137.5287	1.7	VIA
1223	208.1805	89.2534	100.9143	1076847.119	1407062.714	137.5175	1.7	PARAMENTO
1224	204.3306	89.4304	91.0364	1076857.131	1407068.762	137.3549	1.3	PARAMENTO
1225	210.393	89.3049	89.5825	1076849.276	1407074.504	137.3671	1.6	PARAMENTO
1226	213.1657	89.1015	58.7136	1076862.722	1407102.492	137.4558	1.6	PARAMENTO
1227	200.1858	89.1016	45.0668	1076879.289	1407109.32	137.2581	1.6	PARAMENTO
1228	219.1226	88.5738	27.5557	1076877.507	1407130.23	137.1059	1.6	PARAMENTO
1229	224.0801	88.5836	28.0478	1076875.394	1407131.45	137.0069	1.7	PARAMENTO
1230	256.4026	87.5529	12.5598	1076882.699	1407148.688	136.9608	1.7	PARAMENTO
1231	276.3028	88.2125	11.0789	1076883.907	1407152.837	136.8237	1.7	PARAMENTO
1232	348.2926	87.56	10.4989	1076892.811	1407161.868	136.8846	1.7	PARAMENTO
1233	17.3006	88.5703	41.0186	1076907.222	1407190.709	137.2572	1.7	PARAMENTO
1234	22.2416	88.2715	40.7447	1076910.413	1407189.253	137.6052	1.7	PARAMENTO
1235	35.3112	88.5854	41.9138	1076919.239	1407185.711	137.2511	1.7	PARAMENTO
1236	25.4936	88.5707	91.1142	1076934.551	1407233.61	138.5733	1.3	PARAMENTO
1237	32.0203	88.5705	94.4562	1076944.959	1407231.677	138.235	1.7	PARAMENTO
1238	30.47	89.0038	105.6753	1076948.935	1407242.392	138.3316	1.7	PARAMENTO
1239	25.0909	88.5808	103.0502	1076938.65	1407244.877	138.3608	1.7	PARAMENTO
1240	30.185	89.0255	130.7464	1076960.83	1407264.48	138.6778	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1241	28.4113	89.2011	153.4641	1076968.495	1407286.248	138.2849	1.7	PARAMENTO
1242	24.1804	89.2535	152.7179	1076957.677	1407290.803	138.0364	1.7	PARAMENTO
1243	26.501	89.2521	162.22	1076968.057	1407296.372	138.1427	1.7	VIA
1244	27.3055	89.2515	155.7218	1076966.77	1407289.73	138.0819	1.7	VIA
1245	25.3727	89.2523	153.7973	1076961.341	1407290.29	138.0566	1.7	VIA
1246	26.1643	89.252	159.2698	1076965.34	1407294.431	138.1138	1.7	PZA
1247	28.1551	89.1039	131.3595	1076957.042	1407267.31	138.3929	1.7	VIA
1248	26.3627	89.1039	128.1422	1076952.232	1407266.18	138.3465	1.7	VIA
1249	26.3924	88.5705	100.2957	1076939.849	1407241.234	138.3421	1.7	VIA
1250	29.2058	88.5931	100.941	1076944.328	1407239.587	138.2825	1.7	VIA
1251	29.365	88.5637	94.8143	1076941.709	1407234.03	138.2545	1.7	VIA
1252	26.4547	88.5318	93.4688	1076936.945	1407235.052	138.3201	1.7	PZA
1253	27.2446	88.5042	96.3492	1076939.212	1407237.126	138.4485	1.7	PZA
1254	26.0216	88.5654	52.4975	1076917.924	1407198.763	137.4697	1.7	PZA
1255	30.2033	89.0401	51.5238	1076920.91	1407196.063	137.3452	1.7	PZA
1256	115.1417	89.0924	178.32	1076968.636	1407118.273	138.1256	1.75	D-29 - D-26
1257	331.3345	89.1019	7.2822	1076803.884	1407200.698	135.6041	1.75	VIA
1258	41.3842	87.2236	4.0084	1076810.015	1407197.291	135.6824	1.75	VIA
1259	245.3838	86.5635	2.8739	1076804.742	1407193.112	135.6522	1.75	VIA
1260	146.3228	86.574	4.0535	1076809.589	1407190.921	135.7138	1.75	VIA
1261	187.1123	89.2659	45.1537	1076801.73	1407149.497	135.9326	1.75	VIA
1262	192.1308	89.2704	45.3939	1076797.774	1407149.928	135.9338	1.75	VIA
1263	192.0211	89.1413	85.5885	1076789.557	1407110.588	136.6394	1.75	VIA
1264	188.1316	89.3606	88.1024	1076794.807	1407107.095	136.5619	1.3	VIA
1265	191.3845	89.1637	93.2761	1076788.58	1407102.938	136.7267	1.7	VIA
1266	191.4056	89.1445	95.0461	1076788.165	1407101.217	136.8006	1.7	PARAMENTO
1267	190.0103	89.13	89.1502	1076791.899	1407106.506	136.7684	1.7	PZA
1268	191.0705	89.1342	86.1601	1076790.79	1407109.752	136.7096	1.7	PZT
1269	186.21	89.254	86.9685	1076797.786	1407107.861	136.618	1.5	PARAMENTO
1270	193.5628	89.1157	83.1004	1076787.382	1407113.641	136.7108	1.7	PARAMENTO
1271	194.46	89.1855	40.7088	1076797.003	1407154.93	136.0355	1.7	PARAMENTO
1272	182.0954	88.5325	38.7579	1076805.914	1407155.573	136.2996	1.7	PARAMENTO
1273	303.4151	90.0517	62.3589	1076755.455	1407228.865	135.4532	1.7	D-29 - D-30
1274	152.4001	86.5906	9.4279	1076811.683	1407185.936	136.0448	1.7	PARAMENTO
1275	142.4749	86.5905	9.7258	1076813.232	1407186.565	136.0605	1.7	PARAMENTO
1276	65.3605	87.1744	6.0921	1076812.896	1407196.814	135.8364	1.7	PARAMENTO
1277	333.2203	88.0943	11.0974	1076802.378	1407204.209	135.9049	1.7	PARAMENTO
1278	242.4354	86.2634	5.7838	1076802.226	1407191.649	135.9078	1.7	PARAMENTO
1279	303.4623	90.1243	119.7911	1076707.781	1407260.89	135.107	1.7	D-29 - D-31
1280	15.4158	90.5211	60.067	1076823.574	1407252.126	136.3374	0	PARAMENTO
1281	15.1854	90.4457	71.172	1076826.113	1407262.947	136.3185	0	PARAMENTO
1282	6.3301	90.3014	70.9416	1076815.408	1407264.777	136.3252	0.3	PARAMENTO
1283	6.5322	90.2349	78.6173	1076816.741	1407272.35	135.9045	0.8	PARAMENTO
1284	8.3058	89.5146	117.7166	1076824.722	1407310.725	135.8319	1.7	PARAMENTO
1285	13.2545	90.13	116.6475	1076834.382	1407307.77	136.009	0.8	PARAMENTO
1286	10.1338	89.5139	127.963	1076830.004	1407320.24	135.8611	1.7	VIA
1287	9.3559	90.0627	121.8984	1076827.615	1407314.5	135.7213	1.3	VIA
1288	11.4503	89.4905	122.0408	1076832.142	1407313.794	135.9374	1.7	VIA
1289	10.012	89.513	124.5988	1076828.97	1407317.007	135.8583	1.7	PZA
1290	8.1415	89.4653	77.7346	1076818.449	1407271.236	135.8459	1.7	VIA
1291	8.1729	89.5613	71.7057	1076817.656	1407265.259	136.0281	1.3	VIA
1292	13.0358	89.3435	67.4828	1076822.574	1407260.04	136.048	1.7	VIA
1293	13.2814	89.5143	61.8786	1076821.736	1407254.481	135.8981	1.5	VIA
1294	18.2316	57.254	0.4046	1076807.463	1407194.621	135.7667	1.7	PZA
1295	123.415	89.313	62.3709	1076807.364	1407194.292	135.7975	1.7	D-30 - D-29
1296	157.2726	89.04	7.9137	1076758.492	1407221.559	135.4091	1.7	VIA
1297	214.1954	88.3042	4.4086	1076752.971	1407225.224	135.3947	1.7	VIA
1298	74.1936	88.1114	3.6734	1076758.989	1407229.859	135.3964	1.7	VIA
1299	344.1838	88.4849	4.1721	1076754.325	1407232.88	135.3666	1.7	VIA
1300	11.2914	90.1822	47.8486	1076764.957	1407275.76	135.0248	1.7	VIA
1301	11.2145	90.1446	52.9845	1076765.864	1407280.816	135.0527	1.7	VIA
1302	6.3646	90.2807	43.8755	1076760.482	1407272.45	134.9215	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1303	6.402	90.0739	96.7275	1076766.639	1407324.943	135.0656	1.7	VIA
1304	10.443	90.0541	96.6478	1076773.414	1407323.829	135.1209	1.7	VIA
1305	9.0702	90.04	102.5881	1076771.653	1407330.166	135.1614	1.7	VIA
1306	6.3016	90.0358	99.5576	1076766.676	1407327.788	135.166	1.7	PZA
1307	12.592	90.1049	92.5538	1076776.206	1407319.062	134.9896	1.7	PARAMENTO
1308	6.0359	90.2423	92.6464	1076765.193	1407320.996	134.6238	1.7	PARAMENTO
1309	16.5353	89.1211	53.9934	1076771.118	1407280.531	135.5814	2.15	PARAMENTO
1310	18.2936	89.0859	47.6693	1076770.548	1407274.076	135.3878	2.3	PARAMENTO
1311	3.3105	92.1501	49.4763	1076758.46	1407278.212	135.0378	0	PARAMENTO
1312	75.371	88.1708	7.2657	1076762.489	1407230.673	135.4976	1.7	PARAMENTO
1313	343.3822	89.4329	10.473	1076752.499	1407238.912	135.3305	1.7	PARAMENTO
1314	333.3739	98.5703	10.8425	1076750.692	1407238.458	135.2933	0	PARAMENTO
1315	152.4624	88.4946	17.3955	1076763.421	1407213.405	135.6356	1.7	PARAMENTO
1316	229.4156	88.4116	6.6287	1076750.403	1407224.576	135.432	1.7	PARAMENTO
1317	195.0602	89.041	41.7379	1076744.606	1407188.567	135.9582	1.7	PARAMENTO
1318	180.4756	89.2715	47.0111	1076754.826	1407181.86	136.1281	1.3	PARAMENTO
1319	191.4634	89.1747	83.228	1076738.517	1407147.385	136.3025	1.7	PARAMENTO
1320	184.1857	89.06	89.1708	1076748.796	1407139.954	136.6814	1.7	PARAMENTO
1321	190.1804	89.1504	99.0065	1076737.807	1407131.453	136.575	1.7	PARAMENTO
1322	189.235	89.1826	95.7441	1076739.877	1407134.404	136.4386	1.7	VIA
1323	186.0617	89.1549	90.364	1076745.897	1407139.015	136.4422	1.7	VIA
1324	190.4155	89.1517	87.0828	1076739.338	1407143.294	136.4134	1.7	VIA
1325	187.3532	89.1456	91.0885	1076743.472	1407138.576	136.475	1.7	PZA
1326	188.2151	89.1417	88.7802	1076742.591	1407141.03	136.4611	1.7	PZT
1327	190.0727	89.1632	58.1001	1076745.275	1407171.668	136.015	1.7	VIA
1328	184.0543	89.1053	54.7	1076751.58	1407174.308	136.0619	1.7	VIA
1329	123.4624	89.3356	119.7978	1076807.359	1407194.295	135.8066	1.7	D31 - D-29
1330	233.2744	88.2831	5.0632	1076703.716	1407257.874	135.0317	1.7	VIA
1331	161.4452	88.393	8.211	1076710.356	1407253.095	135.0893	1.7	VIA
1332	187.4729	89.204	49.1341	1076701.148	1407212.208	135.4593	1.7	VIA
1333	192.3208	89.1852	49.2265	1076697.124	1407212.834	135.4862	1.7	VIA
1334	188.393	89.2001	89.4146	1076694.371	1407172.492	135.9375	1.7	VIA
1335	191.3814	89.1719	87.4658	1076690.187	1407175.218	135.9836	1.7	VIA
1336	192.0159	88.3434	92.0004	1076688.657	1407170.928	136.0838	2.8	PZA
1337	187.232	89.2604	107.0604	1076694.073	1407154.716	135.9545	1.7	D-31 - D-32
1338	186.502	89.2141	88.5121	1076697.291	1407173.007	136.084	1.5	PARAMENTO
1339	193.5445	88.323	83.4544	1076687.767	1407179.898	135.9212	2.8	PARAMENTO
1340	195.5316	88.4112	52.0129	1076693.574	1407210.869	136.0892	1.7	PARAMENTO
1341	185.4657	89.1317	56.1337	1076702.157	1407205.044	135.6601	1.7	PARAMENTO
1342	248.0249	87.104	7.8075	1076700.55	1407257.97	135.2814	1.7	PARAMENTO
1343	270.0753	87.4414	9.3119	1076698.476	1407260.906	135.2647	1.7	PARAMENTO
1344	272.5311	88.3808	14.2558	1076693.547	1407261.599	135.2365	1.7	PARAMENTO
1345	166.1635	87.3813	12.817	1076710.826	1407248.451	135.4255	1.7	PARAMENTO
1346	159.1148	87.3659	12.7898	1076712.326	1407248.947	135.4289	1.7	PARAMENTO
1347	350.0108	89.0121	6.1158	1076706.717	1407266.911	135.0013	1.7	PARAMENTO
1348	292.0851	89.5633	43.0471	1076667.901	1407277.095	134.9404	1.7	PARAMENTO
1349	305.5557	90.1643	50.7004	1076666.712	1407290.619	134.6507	1.7	PARAMENTO
1350	305.4352	90.2316	63.7994	1076655.992	1407298.147	134.4655	1.7	D-31 - D-33
1351	7.232	90.1943	107.0543	1076707.78	1407260.887	135.1412	1.7	D32 - D-31
1352	358.44	87.2028	6.211	1076693.933	1407160.918	136.0426	1.7	ESQ-PARAMENTO
1353	90.3801	87.2633	9.9641	1076704.027	1407154.611	136.1991	1.7	ESQ-PARAMENTO
1354	195.1248	92.0357	33.6352	1076685.271	1407122.275	136.1422	0.1	PARAMENTO
1355	202.1706	90.5122	55.5319	1076673.046	1407103.325	134.925	1.7	CERRAMIENTO
1356	217.0154	89.2339	29.2351	1076676.481	1407131.368	136.0636	1.7	PARAMENTO
1357	213.4048	89.5632	52.1644	1076665.17	1407111.291	135.8074	1.7	PARAMENTO
1358	212.481	90.4901	80.1865	1076650.675	1407087.298	134.6116	1.7	PARAMENTO
1359	210.2303	89.454	77.805	1076654.758	1407087.575	136.0793	1.7	VIA
1360	210.0353	89.3337	82.3038	1076652.882	1407083.464	136.3864	1.7	VIA
1361	207.0227	89.305	82.4245	1076656.644	1407081.283	136.4542	1.7	VIA
1362	207.263	90.1409	62.6203	1076665.247	1407099.125	135.4969	1.7	VIA
1363	211.3027	90.1413	62.3962	1076661.495	1407101.5	135.4966	1.7	VIA
1364	207.1012	89.3231	82.4182	1076656.481	1407081.373	136.4137	1.7	D-32 - D34

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1365	209.3837	89.5932	149.6411	1076620.134	1407024.618	135.7761	1.7	D-32 D-35
1366	210.1129	89.3238	82.9069	1076652.422	1407083.034	136.4151	1.7	PUENTE
1367	207.0013	89.3119	82.8911	1076656.48	1407080.843	136.4467	1.7	PUENTE
1368	207.2715	89.3749	99.3021	1076648.342	1407066.573	136.3959	1.7	PUENTE
1369	209.5518	89.3637	98.6863	1076644.897	1407069.158	136.4263	1.7	PUENTE
1370	209.2224	90.1342	36.954	1076675.966	1407122.502	135.6073	1.7	VIA
1371	202.1036	90.2124	38.7994	1076679.449	1407118.779	135.5131	1.7	VIA
1372	21.5513	88.3019	8.1139	1076697.097	1407162.242	135.9661	1.7	VIA
1373	70.4121	88.145	10.0649	1076703.566	1407158.048	136.0624	1.7	VIA
1374	88.2709	89.0018	26.5088	1076720.568	1407155.446	136.2149	1.7	VIA
1375	125.4353	89.131	63.8133	1076707.788	1407260.884	135.1202	1.7	D-33 - D-31
1376	148.4807	84.2026	3.3589	1076657.725	1407295.289	134.5817	1.7	VIA
1377	172.5146	87.5023	11.2788	1076657.399	1407286.964	134.6757	1.7	VIA
1378	237.5248	88.1117	11.5837	1076646.19	1407291.986	134.6168	1.7	VIA
1379	203.1659	87.5532	11.4946	1076651.457	1407287.593	134.6666	1.7	VIA
1380	191.4907	86.1634	43.4526	1076647.135	1407255.7	134.8729	3.9	VIA
1381	183.5058	84.5932	44.8317	1076653.019	1407253.586	134.864	5	VIA
1382	185.1542	89.3407	65.4394	1076650.028	1407232.982	136.4434	0	VIA
1383	189.5216	89.3404	65.5362	1076644.794	1407233.577	136.445	0	VIA
1384	186.2158	89.3237	93.884	1076645.635	1407204.839	135.6991	1	VIA
1385	190.0318	89.2529	92.9589	1076639.815	1407206.612	135.8844	1	
1386	186.3826	88.1309	69.7575	1076647.968	1407228.887	136.4184	1.7	PZA
1387	175.3956	84.3816	4.0327	1076656.298	1407294.144	134.6274	1.7	PZA
1388	264.3956	87.2122	4.963	1076651.056	1407297.683	134.4794	1.7	PZA
1389	213.4655	87.3757	13.474	1076648.513	1407286.953	134.8071	1.7	ESQ-PARAMENTO
1390	225.4149	87.2306	12.0067	1076647.413	1407289.765	134.7983	1.7	ESQ-PARAMENTO
1391	170.2117	88.2332	19.7963	1076659.319	1407278.64	134.806	1.7	ESQ-PARAMENTO
1392	150.3003	88.402	24.1572	1076667.896	1407277.134	134.8103	1.7	ESQ-PARAMENTO
1393	107.3909	88.1727	12.3121	1076667.721	1407294.422	134.6177	1.7	ESQ-PARAMENTO
1394	88.3301	89.1555	33.029	1076689.007	1407299.001	134.6741	1.7	PARAMENTO
1395	84.3919	89.2953	35.1836	1076691.02	1407301.444	134.5588	1.7	PARAMENTO
1396	63.4101	89.104	24.1882	1076677.665	1407308.882	134.5977	1.7	ESQ-PARAMENTO
1397	68.1606	89.4125	25.639	1076679.803	1407307.654	134.3891	1.7	VIA
1398	79.2539	89.3331	28.5048	1076684.009	1407303.393	134.4702	1.7	VIA
1399	72.3807	89.3146	26.7019	1076681.472	1407306.131	134.4698	1.7	PZA
1400	186.4038	88.5828	93.6947	1076645.152	1407205.097	135.928	1.7	D33 - D-33A
1401	251.5721	89.4648	54.4112	1076604.267	1407281.264	134.4595	1.7	VIA
1402	258.2343	89.4647	55.4092	1076601.722	1407286.97	134.4638	1.7	VIA
1403	255.2229	89.4445	54.2755	1076603.484	1407284.413	134.4914	1.7	PZA
1404	254.3601	90.0725	137.6171	1076523.337	1407261.528	133.955	1.7	D-33 - D-36
1405	253.4724	90.0718	131.6893	1076529.559	1407261.314	133.9722	1.7	VIA
1406	256.2329	90.0906	130.5513	1076529.124	1407267.358	133.9059	1.7	VIA
1407	256.1939	90.0915	137.0157	1076522.878	1407265.685	133.8832	1.7	VIA
1408	253.1056	89.5954	129.095	1076532.44	1407260.726	134.2552	1.7	PARAMENTO
1409	251.0058	89.4233	78.6674	1076581.619	1407272.515	134.6503	1.7	PARAMENTO
1410	258.0103	89.5336	92.2768	1076565.737	1407278.938	134.4227	1.7	PARAMENTO
1411	259.0421	89.5338	75.7304	1076581.643	1407283.749	134.3911	1.7	PARAMENTO
1412	73.0312	89.2922	32.4858	1076687.066	1407307.616	134.54	1.7	D-33 - D-37
1413	6.4033	90.4508	93.6991	1076655.991	1407298.159	134.4887	1.7	D-33A - D-33
1414	297.5138	88.1445	6.0704	1076639.786	1407207.929	135.9038	1.7	VIA
1415	242.2936	88.49	8.4464	1076637.664	1407201.192	135.8925	1.7	VIA
1416	288.3119	88.5424	10.8132	1076634.899	1407208.525	135.9243	1.7	VIA
1417	264.524	89.0927	45.862	1076599.481	1407200.977	136.3926	1.7	VIA
1418	273.3522	89.1153	46.3433	1076598.903	1407207.972	136.3668	1.7	VIA
1419	265.1223	89.2238	70.2452	1076575.16	1407199.187	136.4819	1.7	VIA
1420	270.4848	89.215	71.219	1076573.944	1407206.067	136.5091	1.7	VIA
1421	268.3339	89.2227	74.0936	1076571.087	1407203.194	136.5276	1.7	PZA
1422	272.1031	89.2016	71.5062	1076573.701	1407207.77	136.5448	1.7	PARAMENTO
1423	263.4821	89.2825	67.703	1076577.851	1407197.754	136.3403	1.7	PARAMENTO
1424	278.5807	89.054	32.742	1076612.812	1407210.182	136.2356	1.7	PARAMENTO
1425	262.5332	89.0345	45.6865	1076599.826	1407199.419	136.4657	1.7	PARAMENTO
1426	293.2713	87.0702	16.4333	1076630.092	1407211.621	136.5445	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1427	300.2841	85.3044	17.3462	1076630.244	1407213.86	137.0753	1.7	PARAMENTO
1428	328.5015	81.0214	10.2252	1076639.921	1407213.737	137.311	1.7	ESQUINA
1429	37.5954	87.2107	5.8102	1076648.723	1407209.673	135.9864	1.7	ESQUINA
1430	91.2654	85.0843	4.5665	1076649.701	1407204.984	136.1045	1.7	ESQUINA
1431	253.4425	88.4437	21.5427	1076624.48	1407199.055	136.1904	1.7	PARAMENTO
1432	228.4356	87.1559	10.3164	1076637.411	1407198.296	136.21	1.7	PARAMENTO
1433	147.1459	89.2845	22.2678	1076657.209	1407186.376	135.9204	1.7	PARAMENTO
1434	292.4443	87.2013	3.9799	1076641.485	1407206.632	135.9029	1.7	PZA
1435	311.3402	85.5008	2.9208	1076642.972	1407207.028	135.9301	1.7	PZA
1436	258.2914	84.3805	2.2514	1076642.956	1407204.648	135.9285	1.7	PZT
1437	253.0312	89.4327	32.4828	1076655.994	1407298.148	134.4865	1.7	D-37 - D-33
1438	3.1635	89.4714	33.7508	1076688.995	1407341.312	134.4554	1.7	D-37 - D-38
1439	183.1634	89.2904	33.7481	1076687.066	1407307.62	134.5341	1.7	D-38 - D-37
1440	208.5934	87.5645	3.8482	1076687.133	1407337.947	134.3683	1.7	VIA
1441	136.0258	88.1622	5.9446	1076693.122	1407337.036	134.4096	1.7	VIA
1442	68.2105	88.1633	5.771	1076694.355	1407343.443	134.4041	1.7	VIA
1443	359.0827	88.1952	6.3402	1076688.897	1407347.649	134.415	1.7	VIA
1444	332.2622	89.0844	9.9396	1076684.392	1407350.12	134.3786	1.7	VIA
1445	300.0547	89.5014	12.1815	1076678.453	1407347.414	134.265	1.7	VIA
1446	277.1701	90.2118	60.8826	1076628.601	1407348.996	133.8535	1.7	VIA
1447	281.2046	90.1817	60.5157	1076629.656	1407353.183	133.9088	1.7	VIA
1448	278.455	90.2441	123.661	1076566.77	1407360.084	133.3433	1.7	VIA
1449	280.5431	90.2545	123.7009	1076567.52	1407364.652	133.3047	1.7	VIA
1450	277.5929	90.1853	177.8194	1076512.891	1407365.933	133.256	1.7	VIA
1451	279.5637	90.172	180.7222	1076510.972	1407372.417	133.3209	1.7	VIA
1452	279.2627	90.1459	185.9089	1076505.589	1407371.702	133.4226	1.7	VIA
1453	281.5609	90.5516	157.6157	1076534.789	1407373.817	133.3982	0	PARAMENTO
1454	282.41	91.0309	121.4565	1076570.507	1407367.907	133.5003	0.2	PARAMENTO
1455	276.1352	90.14	115.5418	1076574.13	1407353.787	133.761	1.7	PARAMENTO
1456	284.5216	90.2603	92.6208	1076599.466	1407365.031	133.9291	1.3	PARAMENTO
1457	285.3503	90.5435	69.329	1076622.213	1407359.897	134.5301	0.3	PARAMENTO
1458	270.3807	91.0016	45.9712	1076643.034	1407341.795	134.5245	0.6	PARAMENTO
1459	292.4633	91.2622	35.3564	1076656.398	1407354.976	134.5424	0.5	PARAMENTO
1460	306.4934	89.2412	32.4947	1076662.975	1407360.773	134.5689	1.7	PARAMENTO
1461	299.4132	89.3355	20.6562	1076671.046	1407351.533	134.3871	1.7	CERRAMIENTO
1462	220.3	88.053	8.7456	1076683.322	1407334.662	134.5216	1.7	PARAMENTO
1463	138.562	88.4142	11.2468	1076696.386	1407332.838	134.4866	1.7	PARAMENTO
1464	338.0126	88.0059	14.6977	1076683.491	1407354.93	134.7391	1.7	PARAMENTO
1465	353.164	87.563	14.281	1076687.317	1407355.485	134.7434	1.7	PARAMENTO
1466	58.5406	88.3349	10.9565	1076698.371	1407346.974	134.5051	1.7	PARAMENTO
1467	93.4458	89.1017	66.4663	1076755.315	1407337.004	135.1918	1.7	PARAMENTO
1468	322.3506	91.1544	78.231	1076641.44	1407403.405	134.2077	0	PARAMENTO
1469	313.5457	91.0513	77.7064	1076632.998	1407395.168	134.4565	0	PARAMENTO
1470	321.073	90.1228	119.0838	1076614.203	1407433.978	133.7992	1.7	PARAMENTO
1471	321.0756	90.521	124.9745	1076610.525	1407438.561	134.0348	0	PARAMENTO
1472	315.4205	90.0847	120.5611	1076604.747	1407427.55	133.9232	1.7	PARAMENTO
1473	320.185	90.2338	205.3135	1076557.799	1407499.233	133.0215	1.5	PARAMENTO
1474	317.0443	90.3014	212.0329	1076544.519	1407496.493	133.5689	0.5	PARAMENTO
1475	317.5737	90.1832	216.7389	1076543.768	1407502.195	133.0657	1.7	VIA
1476	319.3312	90.2124	213.422	1076550.45	1407503.646	132.9049	1.7	VIA
1477	320.013	90.1235	123.8881	1076609.35	1407436.205	133.7779	1.7	VIA
1478	317.2858	90.1233	124.2114	1076605	1407432.817	133.7782	1.7	VIA
1479	320.0534	90.1234	120.6141	1076611.564	1407433.788	133.7907	1.7	VIA
1480	319.5922	90.0828	82.6385	1076635.829	1407404.577	134.0275	1.7	VIA
1481	316.1751	90.0353	59.6444	1076647.762	1407384.408	134.1634	1.7	VIA
1482	16.0656	89.4805	45.3437	1076701.557	1407384.881	134.3876	1.7	VIA
1483	8.3157	89.4332	43.4806	1076695.422	1407384.314	134.4388	1.7	VIA
1484	8.5849	89.4852	88.5398	1076702.766	1407428.774	134.5175	1.7	VIA
1485	9.1745	89.4514	98.7916	1076704.898	1407438.814	134.6552	1.7	VIA
1486	12.5017	89.4447	94.7889	1076710.004	1407433.742	134.6505	1.7	VIA
1487	9.2132	89.4352	95.2726	1076704.435	1407435.324	134.6779	1.7	D-38 - D39
1488	11.3834	89.4451	137.0012	1076716.567	1407475.508	134.8356	1.7	VIA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1489	9.0537	89.4257	137.4197	1076710.637	1407477.015	134.9135	1.7	VIA
1490	8.5623	89.4358	181.7185	1076717.132	1407520.837	135.0798	1.7	VIA
1491	8.5612	89.4332	189.0411	1076718.255	1407528.073	135.1387	1.7	VIA
1492	10.4937	89.4637	189.3257	1076724.453	1407527.286	135.1699	1.5	VIA
1493	10.3851	89.4051	186.4258	1076723.336	1407524.544	135.2716	1.7	D-38 - D-40
1494	319.3	90.192	221.2527	1076545.306	1407509.551	132.9897	1.7	D-38 - D-41
1495	189.2131	89.5835	95.2753	1076688.995	1407341.308	134.4928	1.7	D39 - D-38
1496	185.4757	89.1416	15.4467	1076702.883	1407419.957	134.6584	1.7	PZA
1497	239.0347	91.2637	4.7243	1076700.385	1407432.894	134.3339	1.7	PZA
1498	203.2448	91.4932	9.4566	1076700.684	1407426.648	134.1517	1.7	PARAMENTO
1499	244.4527	92.4219	16.1556	1076689.842	1407428.434	133.6904	1.7	PARAMENTO
1501	253.2136	93.5821	14.7682	1076690.321	1407431.097	133.4298	1.7	PARAMENTO
1502	333.3432	89.4459	6.4272	1076701.571	1407441.078	134.481	1.7	PARAMENTO
1503	291.3228	92.5037	26.7438	1076679.584	1407445.117	133.1263	1.7	PARAMENTO
1504	291.0644	91.4754	38.0268	1076668.97	1407448.994	133.2596	1.7	PARAMENTO
1505	289.1126	91.4316	46.4215	1076660.604	1407450.551	133.0588	1.7	PARAMENTO
1506	282.3006	91.4527	37.3229	1076668.009	1407443.379	133.3084	1.7	PZA
1507	287.5216	91.1924	52.8917	1076654.099	1407451.522	133.2316	1.7	PZA
1508	275.5208	91.465	76.0408	1076628.825	1407443.053	133.6904	0.1	PARAMENTO
1509	279.3748	90.3616	82.8294	1076622.769	1407449.133	133.5796	1.7	PARAMENTO
1510	288.0953	92.0958	79.0385	1076629.375	1407459.904	132.9659	0.2	PARAMENTO
1511	278.2108	90.3812	78.5053	1076626.76	1407446.683	133.5808	1.7	VIA
1512	285.591	91.0052	75.4386	1076631.913	1407456.056	133.1176	1.7	VIA
1513	288.3558	91.493	57.336	1076650.111	1407453.571	132.6273	1.7	VIA
1514	278.4228	91.1121	58.2444	1076646.869	1407444.107	133.2445	1.7	VIA
1515	288.2917	91.5515	48.6568	1076658.306	1407450.719	132.822	1.7	VIA
1516	277.5552	92.0643	49.3935	1076655.543	1407442.107	132.6328	1.7	VIA
1517	287.5303	93.1016	26.2801	1076679.458	1407443.368	132.9992	1.7	VIA
1518	269.4804	92.3959	23.1928	1076681.267	1407435.23	133.374	1.7	VIA
1519	88.5704	92.4817	7.4741	1076711.898	1407435.465	134.0872	1.7	PZA
1520	93.0031	88.1859	6.3558	1076710.779	1407434.994	134.6397	1.7	PZA
1521	103.0139	88.3602	6.3118	1076710.583	1407433.905	134.6071	1.7	PZA
1522	108.5929	93.1624	7.3434	1076711.368	1407432.942	134.0336	1.7	PZA
1523	98.0613	97.4054	6.4179	1076710.732	1407434.431	133.595	1.7	BATEA TUBO
1524	324.3001	100.4842	1.1021	1076703.806	1407436.205	134.2462	1.7	CAJA
1525	304.1141	95.2928	1.9858	1076702.799	1407436.434	134.2629	1.7	CAJA
1526	267.3239	97.4934	1.8711	1076702.583	1407435.243	134.1981	1.7	CAJA
1527	277.2146	91.1545	37.974	1076666.78	1407440.168	133.6162	1.7	CAJA
1528	278.4826	91.1546	37.9067	1076666.981	1407441.105	133.6176	1.7	CAJA
1529	279.0459	91.1727	38.8965	1076666.032	1407441.441	133.5769	1.7	CAJA
1530	277.3653	91.2116	39.3031	1076665.486	1407440.509	133.5239	1.7	CAJA
1531	285.5911	91.0509	57.4773	1076649.181	1407451.119	133.3639	1.7	CAJA
1532	287.191	91.0512	58.2298	1076648.845	1407452.624	133.3488	1.7	CAJA
1533	286.3217	91.0605	59.4939	1076647.403	1407452.224	133.3095	1.7	CAJA
1534	283.4716	90.5235	57.9648	1076648.139	1407449.105	133.5665	1.7	D-39 - D-39A
1535	103.4715	88.3324	57.9871	1076704.445	1407435.322	134.6872	1.7	D-39A - D- 39
1536	336.3301	90.2049	27.2125	1076637.296	1407474.063	133.0618	1.7	CAJAS
1537	338.501	90.2313	27.2532	1076638.285	1407474.514	133.0425	1.7	CAJAS
1538	338.1502	90.2519	28.652	1076637.507	1407475.711	133.0155	1.7	CAJAS
1539	356.1803	106.0302	3.4058	1076647.926	1407452.371	132.2849	1.7	BATEA TUBO
1540	331.0505	90.2948	56.6606	1076620.716	1407498.685	132.7354	1.7	CAJA
1541	329.5858	92.0718	56.6917	1076619.77	1407498.143	132.828	0	CAJA
1542	330.0324	92.0114	58.2754	1076619.041	1407499.554	132.8721	0	CAJA
1543	332.2837	90.35	91.8273	1076605.661	1407530.512	132.2921	1.7	CAJA
1544	331.3444	90.3448	91.8585	1076604.376	1407529.863	132.2971	1.7	CAJA
1545	332.0943	90.3128	100.7164	1076601.058	1407538.135	132.3051	1.7	PZA
1546	332.5425	91.1359	100.8505	1076602.168	1407538.842	132.7571	0	PZA
1547	332.2801	90.4112	100.8389	1076601.478	1407538.49	130.9188	2.8	BATEA TUBO
1548	56.0416	90.1707	16.4387	1076661.773	1407458.288	133.1446	1.7	PARAMENTO
1549	28.0511	90.1728	36.7668	1076665.43	1407481.552	133.4399	1.3	PARAMENTO
1550	17.1603	89.5132	83.1599	1076672.778	1407528.531	133.8317	1.3	PARAMENTO
1551	16.173	89.1951	94.6961	1076674.65	1407540.008	134.3331	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1552	8.5735	89.3012	94.3946	1076662.786	1407542.353	134.0451	1.7	PARAMENTO
1553	7.2823	90.3936	79.4111	1076658.422	1407527.842	133.9122	0.1	PARAMENTO
1554	7.0029	90.0135	68.0826	1076656.407	1407516.684	133.1953	1.7	PARAMENTO
1555	359.2044	90.1854	67.2748	1076647.332	1407516.374	134.057	0.5	PARAMENTO
1556	336.0709	90.5138	74.577	1076617.912	1407517.273	132.1067	1.7	PARAMENTO
1557	325.0542	92.0625	28.0302	1076632.097	1407472.068	132.196	1.7	PARAMENTO
1558	20.3745	90.1947	40.7219	1076662.464	1407487.223	132.9922	1.7	VIA
1559	14.0453	90.2352	40.3447	1076657.932	1407488.242	132.9465	1.7	VIA
1560	150.0032	88.4825	13.6077	1076654.946	1407437.326	133.5098	1.7	PROY.TUBO
1561	190.3852	90.1108	186.4349	1076688.992	1407341.301	134.4972	1.7	D-40 - D-38
1562	190.3127	90.1055	186.2062	1076689.429	1407341.452	134.5095	1.7	PZA
1563	205.5536	89.3601	11.6062	1076718.267	1407514.104	135.1796	1.7	PZA
1564	242.1634	89.4	6.7636	1076717.351	1407521.394	135.138	1.7	VIA
1565	306.2625	87.5959	6.1048	1076718.426	1407528.166	135.3117	1.7	VIA
1566	284.212	91.2247	54.4385	1076670.605	1407538.008	133.7879	1.7	VIA
1567	277.1643	91.4416	52.9017	1076670.881	1407531.214	133.4944	1.7	VIA
1568	279.2511	91.2503	59.4676	1076664.683	1407534.241	133.6279	1.7	VIA
1569	284.3744	91.1634	60.3887	1076664.911	1407539.759	133.7539	1.7	VIA
1570	281.5128	90.374	92.46	1076632.844	1407543.491	134.0859	1.7	VIA
1571	279.1347	90.4004	92.137	1076632.389	1407539.27	134.0253	1.7	VIA
1572	281.5323	90.5313	105.6491	1076619.953	1407546.25	133.4639	1.7	VIA
1573	281.5128	91.0123	110.9163	1076614.791	1407547.271	133.1189	1.7	VIA
1574	278.1926	91.093	116.998	1076607.584	1407541.413	132.7346	1.7	VIA
1575	278.2327	91.0238	107.0074	1076617.483	1407540.097	133.1497	1.7	VIA
1576	281.341	90.5219	107.1346	1076618.378	1407545.969	133.4689	1.7	PZA
1577	282.3621	91.0317	115.0547	1076611.059	1407549.587	132.9817	1.7	PARAMENTO
1578	283.482	90.2518	101.5057	1076624.752	1407548.71	134.3521	1.7	PARAMENTO
1579	277.0934	90.5157	103.1057	1076621.038	1407537.335	134.2413	1	PARAMENTO
1580	246.1913	89.2943	11.7506	1076712.578	1407519.819	135.2021	1.7	PARAMENTO
1581	312.4434	90.3408	11.9152	1076714.581	1407532.626	134.9803	1.7	PARAMENTO
1582	181.0729	89.2613	7.0014	1076723.202	1407517.545	135.1674	1.7	VIA
1583	10.38	89.4007	48.5511	1076732.267	1407572.266	135.7797	1.3	D-40 - D-41
1584	8.4433	89.4446	125.8987	1076742.401	1407648.99	136.0574	1.3	D-40 - D-42
1585	190.3802	90.471	48.5601	1076723.334	1407524.539	135.3407	1.3	D-41 - D-40
1586	339.4341	87.5854	2.1397	1076731.525	1407574.272	135.6821	1.7	VIA
1587	267.5318	89.4037	7.2259	1076725.047	1407571.996	135.6474	1.7	VIA
1588	290.192	90.0045	7.3208	1076725.401	1407574.805	135.6051	1.7	VIA
1589	281.1437	90.5523	42.9179	1076690.174	1407580.609	134.9153	1.7	PZA
1590	283.3604	91.0526	56.5915	1076677.265	1407585.541	134.5298	1.7	VIA
1591	279.1711	91.0925	55.8803	1076677.126	1407581.25	134.4787	1.7	VIA
1592	279.2651	91.1354	61.4314	1076671.678	1407582.313	134.2864	1.7	VIA
1593	283.2646	91.1508	61.2036	1076672.748	1407586.461	134.2694	1.7	VIA
1594	281.2631	91.0313	56.9284	1076676.473	1407583.526	134.56	1.7	PZA
1595	282.2819	91.023	108.4536	1076626.377	1407595.624	133.6358	1.7	VIA
1596	279.4649	91.0112	108.0618	1076625.783	1407590.559	133.684	1.7	VIA
1597	279.3222	91.0208	112.5428	1076621.288	1407590.851	133.5735	1.7	VIA
1598	281.5623	91.0431	112.647	1076622.064	1407595.504	133.4936	1.7	VIA
1599	280.3837	90.5954	108.5376	1076625.602	1407592.249	133.7164	1.7	PZA
1600	281.5025	91.0633	140.8832	1076594.391	1407601.089	132.8806	1.7	FIN DE VIA
1601	280.0043	91.1059	139.9086	1076594.505	1407596.507	132.7194	1.7	FIN DE VIA
1602	282.5324	91.1526	155.8425	1076580.369	1407606.937	132.1892	1.7	PARAMENTO
1603	278.3956	91.1829	135.1003	1076598.732	1407592.54	132.724	1.5	PARAMENTO
1604	278.1225	91.0316	115.8732	1076617.591	1407588.739	133.4752	1.7	PARAMENTO
1605	283.4153	91.0537	116.4463	1076619.138	1407599.772	133.385	1.7	PARAMENTO
1606	284.4051	91	103.3931	1076632.25	1407598.409	133.8027	1.7	PARAMENTO
1607	277.4822	91.0807	103.3593	1076629.878	1407586.243	133.5593	1.7	PARAMENTO
1608	275.5025	91.0149	65.6629	1076666.952	1407578.91	134.4264	1.7	PARAMENTO
1609	286.5113	91.1212	65.9449	1076669.158	1407591.345	134.222	1.7	PARAMENTO
1610	277.0733	90.3735	51.9504	1076680.718	1407578.681	135.0388	1.7	PARAMENTO
1611	284.4442	91.0021	51.6582	1076682.311	1407585.384	134.7	1.7	PARAMENTO
1612	273.5159	90.2508	12.8254	1076719.471	1407573.124	135.5129	1.7	PARAMENTO
1613	290.1942	90.3033	10.3956	1076722.518	1407575.872	135.5143	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1614	188.4432	90.1513	125.893	1076723.337	1407524.55	135.3114	1.7	D-42 - D-40
1615	182.222	86.3938	2.976	1076742.28	1407646.021	136.0408	1.7	VIA
1616	247.351	88.403	6.5829	1076736.318	1407646.477	136.0196	1.7	VIA
1617	293.0338	88.3349	5.8567	1076737.013	1407651.28	136.0142	1.7	VIA
1618	281.2534	90.512	27.0956	1076715.842	1407654.342	135.4629	1.7	VIA
1619	272.0923	91.1729	27.3563	1076715.07	1407650.004	135.251	1.7	VIA
1620	278.2526	90.571	23.6888	1076718.969	1407652.446	135.4735	1.7	PZA
1621	275.3703	90.3921	53.2441	1076689.413	1407654.171	135.2582	1.7	VIA
1622	276.1019	90.3527	57.2553	1076685.477	1407655.113	135.2772	1.7	VIA
1623	280.4226	90.3801	53.1131	1076690.21	1407658.828	135.2803	1.7	VIA
1624	280.3128	90.3146	57.4422	1076685.922	1407659.449	135.3368	1.7	VIA
1625	279.3105	90.3333	105.4996	1076638.349	1407666.375	134.8384	1.7	VIA
1626	276.3428	90.3324	106.0312	1076637.065	1407661.069	134.8382	1.7	VIA
1627	279.2701	90.3607	109.407	1076634.475	1407666.892	134.7188	1.7	VIA
1628	276.5155	90.3605	110.15	1076633.039	1407662.094	134.7122	1.7	VIA
1629	278.3426	90.3452	106.8093	1076636.782	1407664.853	134.7851	1.7	PZA
1630	279.4227	90.4649	156.6464	1076587.997	1407675.314	133.7356	1.7	VIA
1631	277.3059	90.4401	156.3865	1076587.359	1407669.357	133.8665	1.7	VIA
1632	278.0759	90.4347	159.9426	1076584.067	1407671.526	133.8321	1.7	VIA
1633	279.273	90.4518	161.1865	1076583.405	1407675.385	133.745	1.7	VIA
1634	278.5232	90.4025	158.6022	1076585.695	1407673.37	134.0041	1.7	PZA
1635	275.5801	90.4338	155.6809	1076587.567	1407665.084	133.8935	1.7	PARAMENTO
1636	280.3756	91.2046	152.7553	1076592.294	1407677.081	133.9802	0	PARAMENTO
1637	281.2429	91.1333	113.7956	1076630.866	1407671.43	135.134	0	PARAMENTO
1638	275.3151	90.3837	114.2759	1076628.658	1407659.939	134.5849	1.7	PARAMENTO
1639	282.3246	90.5147	99.545	1076645.232	1407670.556	135.0688	1	PARAMENTO
1640	274.5238	90.3407	101.256	1076641.512	1407657.541	135.063	1.5	PARAMENTO
1641	283.3832	89.2155	59.946	1076684.142	1407663.095	135.4318	2.8	PARAMENTO
1642	273.1923	90.3952	60.3537	1076682.151	1407652.454	135.1678	1.7	PARAMENTO
1643	286.1811	91.0015	49.9465	1076694.462	1407662.981	135.3921	1.3	PARAMENTO
1644	269.1635	91.0344	50.1846	1076692.229	1407648.328	134.9371	1.7	PARAMENTO
1645	311.5616	87.3634	10.2208	1076734.801	1407655.811	136.2937	1.7	PARAMENTO
1646	245.2141	89.3012	10.9882	1076732.416	1407644.403	135.9627	1.7	PARAMENTO
1647	267.4436	91.3622	35.4642	1076706.979	1407647.574	134.9735	1.6	PARAMENTO
1648	9.0814	89.275	42.9886	1076749.203	1407691.435	136.2697	1.7	VIA
1649	1.054	89.2758	43.1933	1076743.202	1407692.174	136.2699	1.7	VIA
1650	3.4653	89.3828	64.8527	1076746.641	1407713.703	136.274	1.7	D-42 -D-43
1651	183.4656	89.5851	64.8565	1076742.4	1407648.985	136.081	1.7	D-43 - D-42
1652	187.0207	89.5225	51.3079	1076740.386	1407662.778	136.1724	1.7	PZA
1653	55.4723	86.062	3.5491	1076749.569	1407715.695	136.3	1.7	PZA
1654	104.552	88.1153	5.9085	1076752.349	1407712.185	136.2448	1.7	VIA
1655	55.1239	89.0401	8.1803	1076753.356	1407718.373	136.1922	1.7	VIA
1656	7.3055	87.1956	3.8801	1076747.146	1407717.545	136.2396	1.7	VIA
1657	192.1906	80.4549	1.415	1076746.344	1407712.338	136.2861	1.7	VIA
1658	9.255	89.1827	21.8955	1076750.216	1407735.303	136.3237	1.7	VIA
1659	23.0825	89.3827	25.4346	1076756.623	1407737.096	136.2184	1.7	VIA
1660	278.0713	90.2906	44.357	1076702.727	1407719.943	135.6836	1.7	VIA
1661	277.4303	90.2857	50.6544	1076696.444	1407720.476	135.6327	1.7	VIA
1662	283.1918	90.2053	48.0474	1076699.881	1407724.747	135.7674	1.7	VIA
1663	281.1259	90.2402	47.583	1076699.963	1407722.932	135.7265	1.7	PZA
1664	278.2309	90.0647	98.1846	1076649.499	1407727.967	135.8659	1.7	PZA
1665	279.524	90.0721	101.0568	1076647.073	1407730.982	135.8436	1.7	PZA
1666	278.0728	90.0631	98.4775	1076649.144	1407727.564	135.873	1.7	VIA
1667	278.1335	90.082	104.4288	1076643.279	1407728.586	135.8064	1.7	VIA
1668	281.065	90.0749	102.934	1076645.627	1407733.487	135.8255	1.7	VIA
1669	278.553	90.2922	152.3078	1076596.17	1407737.246	135.1592	1.3	VIA
1670	278.5458	90.3147	157.4208	1076591.116	1407738.012	135.0051	1.3	VIA
1671	280.3559	90.1747	155.6452	1076593.638	1407742.246	135.6557	1.3	VIA
1672	280.3556	90.175	155.646	1076593.637	1407742.244	135.2531	1.7	VIA
1673	279.3759	90.1704	155.1361	1076746.632	1407713.703	135.2901	1.7	PZA
1674	279.4359	90.0639	282.3717	1076593.68	1407739.576	135.5183	1.7	D-43 - D-44
1675	277.5604	90.213	179.4207	1076468.308	1407761.282	134.9391	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1676	281.5253	90.1317	175.5236	1076568.928	1407738.368	135.3828	1.7	CERRAMIENTO
1677	277.4423	90.1827	160.2204	1076574.859	1407749.743	135.2012	1.7	PARAMENTO
1678	277.4321	90.1113	147.326	1076587.871	1407735.189	135.58	1.7	CERRAMIENTO
1679	277.0313	90.2003	108.1292	1076600.641	1407733.417	135.729	1.4	PARAMENTO
1680	284.2623	90.0507	91.2168	1076639.325	1407726.92	135.924	1.7	CERRAMIENTO
1681	276.5905	89.5349	95.1927	1076658.293	1407736.399	136.231	1.7	PARAMENTO
1682	275.2355	90.211	54.9021	1076652.149	1407725.225	135.7211	1.7	PARAMENTO
1683	274.0957	90.4034	42.9119	1076691.981	1407718.837	135.5527	1.7	PARAMENTO
1684	348.5217	98.4814	8.6813	1076703.844	1407716.795	134.7303	1.7	PARAMENTO
1685	348.5217	98.4813	8.6815	1076744.981	1407722.119	136.4303	0	PARAMENTO
1686	231.5335	87.1518	5.1034	1076744.981	1407722.119	136.3034	1.7	PARAMENTO
1687	358.2516	89.1406	24.1049	1076742.632	1407710.554	136.3809	1.7	PROY.PARAMENTO
1688	30.5954	90.2417	25.412	1076745.963	1407737.796	135.8796	1.7	CERRAMIENTO
1689	54.2456	90.0719	12.611	1076759.716	1407735.492	136.0321	1.7	CERRAMIENTO
1690	85.0605	90.4207	35.1851	1076756.893	1407721.047	135.6281	1.7	CERRAMIENTO
1691	107.3415	90.2628	23.8637	1076781.694	1407716.727	135.8753	1.7	CERRAMIENTO
1692	116.5926	88.5132	10.9073	1076769.395	1407706.512	136.2762	1.7	CERRAMIENTO
1693	99.44	89.4825	282.3636	1076756.362	1407708.759	136.3006	1.7	D-44 - D-43
1694	102.565	90.3912	63.8548	1076530.543	1407747.011	134.6153	1.7	VIA
1695	98.5045	90.4741	63.2416	1076530.796	1407751.593	134.4665	1.7	VIA
1696	269.2722	91.3702	8.4994	1076459.812	1407761.197	135.1034	1.7	VIA
1697	243.5331	90.061	9.992	1076459.338	1407756.88	135.3254	1.7	VIA
1698	271.0829	93.0651	16.8327	1076451.503	1407761.607	134.4288	1.7	PZA
1699	264.0415	93.5354	24.0839	1076444.409	1407758.786	133.7059	1.7	VIA
1700	279.2444	95.0737	22.305	1076446.389	1407764.903	133.35	1.7	VIA
1701	265.172	94.4011	27.2298	1076441.261	1407759.038	133.1266	1.7	VIA
1702	279.0638	94.4206	25.1631	1076443.543	1407765.239	133.2808	1.7	VIA
1703	282.4857	93.5427	20.6204	1076448.245	1407765.834	133.9381	1.7	CERRAMIENTO
1704	109.3246	90.492	38.7978	1076504.873	1407748.324	134.7866	1.7	CERRAMIENTO
1705	214.1234	87.4424	7.8411	1076463.906	1407754.8	135.6525	1.7	CERRAMIENTO
1706	266.4556	95.1641	32.2611	1076436.235	1407759.451	132.3758	1.7	CERRAMIENTO
1707	279.3659	95.3907	32.8973	1076436.027	1407766.732	132.1034	1.7	CERRAMIENTO
1708	279.1511	94.3728	24.9172	1076443.792	1407765.262	133.3344	1.7	D-44 - D-45
1709	219.2628	90.0544	28.2962	1076450.344	1407739.419	135.2961	1.7	CORONA
1710	184.4841	90.0225	45.7533	1076464.496	1407715.688	135.3112	1.7	CORONA
1711	157.0705	91.0344	72.9164	1076496.693	1407694.131	133.9921	1.7	CORONA
1712	136.2429	90.5149	111.0598	1076544.922	1407680.897	133.6701	1.7	CORONA
1713	129.0834	90.5049	129.2637	1076568.597	1407679.749	133.4337	1.7	CULATA
1714	141.0612	91.2048	159.8668	1076568.733	1407636.952	131.588	1.7	NIVEL
1715	152.4005	91.5641	131.0419	1076528.506	1407644.97	130.8976	1.7	NIVEL
1716	261.4728	96.202	45.0281	1076424.017	1407754.867	130.372	1.7	NIVEL
1717	264.1629	96.4907	59.4871	1076409.539	1407755.356	128.2807	1.7	NIVEL
1718	261.3906	93.5627	75.1156	1076394.17	1407750.36	130.1812	1.7	NIVEL
1719	276.2133	95.2151	71.2654	1076397.786	1407769.101	128.6815	1.7	CERRAMIENTO
1720	239.2909	92.1023	111.8033	1076372.09	1407704.5	131.255	1.55	D-44 - D-46
1721	317.5037	95.3709	28.1737	1076449.478	1407782.056	132.5847	1.7	D-44 - D-47
1722	137.5035	84.2109	28.1665	1076468.302	1407761.288	135.5065	1.3	D-47 - D-44
1723	200.3827	85.3815	10.4897	1076445.796	1407772.266	133.5326	1.3	CERCAS -1.7
1724	184.4538	84.5526	10.0681	1076448.651	1407772.062	133.6255	1.3	CERCA
1725	17.2822	92.3313	41.3303	1076461.852	1407821.448	130.8934	1.3	CERCA
1726	12.1552	92.3538	41.4594	1076458.253	1407822.533	130.8584	1.3	CERCA
1727	13.3103	91.3757	104.2759	1076473.784	1407883.416	129.7646	1.3	CERCA
1728	15.2731	91.3814	104.4235	1076477.243	1407882.677	129.3517	1.7	CERCA
1729	13.4249	90.5702	159.0384	1076487.088	1407936.561	129.6981	1.7	CERCA
1730	15.4108	91.0042	169.1241	1076495.102	1407944.883	129.3505	1.7	CERCA
1731	14.0233	91.001	182.5886	1076493.674	1407959.187	129.0415	1.8	NIVEL
1732	13.5137	90.5902	222.9358	1076502.752	1407998.5	128.5101	1.7	NIVEL
1733	18.5942	90.5848	223.834	1076522.202	1407993.712	128.4098	1.8	NIVEL
1734	13.5923	91.0803	234.7574	1076506.09	1408009.838	127.6915	1.7	NIVEL
1735	3.2422	90.5446	205.2055	1076461.551	1407986.88	129.0682	1.7	NIVEL
1736	354.5936	90.5047	207.0107	1076431.296	1407988.245	129.2793	1.7	NIVEL
1737	355.0856	90.415	239.5998	1076429.082	1408020.769	129.4233	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1738	352.3754	91.0728	199.9148	1076423.732	1407980.268	128.4145	1.7	NIVEL
1739	349.5428	91.2046	177.6238	1076418.262	1407956.866	128.1642	1.7	NIVEL
1740	349.5429	91.1429	192.62	1076415.626	1407971.633	127.9644	1.9	NIVEL
1741	354.5407	90.4315	210.5262	1076430.653	1407991.723	129.6896	1.7	D-47 - D-48
1742	359.1507	91.0327	166.0922	1076447.216	1407948.105	129.2714	1.7	NIVEL
1743	350.431	91.0623	155.4296	1076424.329	1407935.409	129.3354	1.7	NIVEL
1744	344.4957	91.1947	130.6865	1076415.222	1407908.137	129.3031	1.7	NIVEL
1745	343.4727	91.3613	102.6425	1076420.781	1407880.564	129.4631	1.7	NIVEL
1746	4.0452	91.274	115.0211	1076457.596	1407896.753	129.4029	1.7	NIVEL
1747	346.2553	92.5252	60.6183	1076435.241	1407840.9	129.288	1.7	NIVEL
1748	319.2342	96.1655	37.8394	1076424.982	1407810.598	128.1943	1.7	NIVEL
1749	139.2959	89.3251	221.263	1076689	1407341.307	134.4855	1.75	D-41 - D-38
1750	54.5145	90.2722	21.4176	1076562.813	1407521.888	132.6142	1.7	VIA
1751	59.2803	90.4203	29.3664	1076570.59	1407524.484	132.4255	1.7	VIA
1752	71.5102	90.342	28.9257	1076572.786	1407518.577	132.4958	1.7	VIA
1753	62.5658	90.2437	57.6184	1076596.605	1407535.783	132.3723	1.7	VIA
1754	67.3649	90.1956	58.2614	1076599.163	1407531.77	132.447	1.7	VIA
1755	60.3143	91.0156	67.2085	1076603.789	1407542.645	132.7744	0.5	PARAMENTO
1756	70.2227	90.3618	54.1071	1076596.256	1407527.752	132.2135	1.7	PARAMENTO
1757	78.4408	90.424	31.5612	1076576.253	1407515.734	132.393	1.7	PARAMENTO
1758	129.2031	89.374	16.2468	1076557.876	1407499.259	133.2903	1.3	PARAMENTO
1759	191.1452	89.2515	11.5792	1076543.054	1407498.194	133.3018	1.3	PARAMENTO
1760	210.171	90.2024	22.1856	1076534.128	1407490.388	133.0531	1.3	PARAMENTO
1761	221.0357	89.3843	21.348	1076531.291	1407493.448	133.3169	1.3	PARAMENTO
1762	223.3205	89.5031	29.4288	1076525.047	1407488.205	133.266	1.3	PARAMENTO
1763	46.4817	90.0229	18.7712	1076558.983	1407522.408	132.7712	1.7	PARAMENTO
1764	29.4907	83.4939	3.0735	1076546.824	1407512.203	133.1152	1.7	PARAMENTO
1765	341.5646	85.5857	7.1859	1076543.08	1407516.365	133.2881	1.7	PARAMENTO
1766	279.424	97.2627	8.7573	1076536.746	1407511.011	133.3506	0	PARAMENTO
1767	274.5031	93.4805	19.2658	1076526.15	1407511.163	133.2075	0	PARAMENTO
1768	261.4539	92.4107	25.485	1076520.113	1407505.889	133.2908	0	PARAMENTO
1769	256.4527	90.4155	33.2052	1076512.99	1407501.927	133.0798	1	PARAMENTO
1770	258.0131	90.433	46.2494	1076500.072	1407499.931	132.8997	1	PARAMENTO
1771	245.2538	89.3624	74.3519	1076477.707	1407478.594	133.2955	1.7	PARAMENTO
1772	234.2439	90.2505	61.0648	1076495.668	1407473.986	133.0395	1	PARAMENTO
1773	225.2948	89.4536	81.9147	1076486.916	1407452.1	133.1281	1.7	PARAMENTO
1774	225.3217	89.3836	76.069	1076491.045	1407456.24	133.2585	1.7	VIA
1775	223.4146	89.383	71.7699	1076495.755	1407457.634	133.2339	1.7	VIA
1776	245.4243	89.403	70.0687	1076481.456	1407480.695	133.1825	1.7	VIA
1777	244.4018	89.3314	60.0947	1076491.004	1407483.813	133.2527	1.7	VIA
1778	250.2303	89.4458	67.7368	1076481.513	1407486.775	133.0811	1.7	VIA
1779	254.2019	89.3203	43.6567	1076503.278	1407497.743	133.1396	1.7	VIA
1780	254.0231	89.3345	36.2475	1076510.461	1407499.566	133.0615	1.7	VIA
1781	240.4442	89.1707	31.4123	1076517.911	1407494.186	133.1765	1.7	VIA
1782	254.5955	88.1739	12.4956	1076533.243	1407506.312	133.1567	1.7	VIA
1783	260.3259	87.573	9.3152	1076536.123	1407508.018	133.1166	1.7	VIA
1784	248.362	90.0009	133.7485	1076420.801	1407460.691	132.7798	1.7	VIA
1785	251.1618	90.0008	133.2267	1076419.157	1407466.703	132.7806	1.7	VIA
1786	249.1106	90.0039	140.038	1076414.436	1407459.714	132.7596	1.7	VIA
1787	249.3725	90.0433	142.7663	1076411.501	1407459.766	132.5974	1.7	PARAMENTO
1788	249.2522	90.0437	154.4109	1076400.777	1407455.199	132.579	1.7	CULATA
1789	249.2304	90.1949	173.3013	1076383.139	1407448.442	131.7876	1.7	NIVEL
1790	53.1419	90.334	27.2107	1076567.104	1407525.835	132.5183	1.7	D-41 - D-49
1791	247.5741	89.5739	128.0713	1076426.619	1407461.428	132.8736	1.7	PARAMENTO
1792	252.0954	90.3447	131.3237	1076420.322	1407469.261	132.8569	0.3	PARAMENTO
1793	249.1402	90.0759	164.5504	1076391.479	1407451.122	132.4045	1.7	D-41 - D-CULATA
1794	249.3539	89.5924	134.4395	1076419.329	1407462.605	132.8093	1.7	PZA
1795	270.3659	95.1653	13.7777	1076531.587	1407509.691	133.1165	0.1	PZA
1796	233.1418	88.2928	27.2127	1076545.31	1407509.555	132.9949	1.7	D-49 - D-41
1797	30.0548	91.245	24.8721	1076579.56	1407547.355	131.6646	1.7	CULATA
1798	349.4614	87.5401	9.6365	1076565.389	1407535.311	132.6314	1.7	PARAMENTO
1799	328.1734	92.0341	28.4837	1076552.13	1407550.044	132.8538	0.1	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1800	157.5152	87.2718	9.4509	1076570.667	1407517.092	132.698	1.7	PZA
1801	308.4128	89.1844	47.703	1076529.856	1407555.632	132.8512	1.7	PARAMENTO
1802	314.4234	89.5419	58.6283	1076525.415	1407567.057	132.3756	1.7	VIA
1803	319.4422	90.0221	58.6569	1076529.171	1407570.576	132.2385	1.7	VIA
1804	317.155	90.1948	118.6209	1076486.608	1407612.961	131.5961	1.7	D-49 - D-50
1805	137.1551	89.2556	118.6217	1076567.103	1407525.839	132.5426	1.7	D-50 - D49
1806	131.4043	90.3242	60.9007	1076532.115	1407572.492	132.487	0	PARAMENTO
1807	129.0611	90.5655	44.4141	1076521.085	1407584.971	132.331	0	PARAMENTO
1808	108.0646	89.4043	50.7035	1076534.807	1407597.225	131.6506	1.7	PARAMENTO
1809	234.3904	80.3041	5.3171	1076482.332	1407609.924	132.2426	1.7	PARAMENTO
1810	310.5635	86.2243	37.0987	1076458.627	1407637.207	132.2094	3.2	PARAMENTO
1811	304.2732	88.2424	21.0018	1076469.291	1407624.829	131.9501	1.7	PARAMENTO
1812	263.3856	88.2045	35.7178	1076451.126	1407608.991	132.3973	1.7	PARAMENTO
1813	247.0613	88.2017	39.2525	1076450.472	1407597.675	132.5047	1.7	PARAMENTO
1814	230.0525	88.1028	29.7105	1076463.841	1407593.896	132.3127	1.7	PARAMENTO
1815	234.3738	88.2015	37.5838	1076455.987	1407591.196	132.4565	1.7	PARAMENTO
1816	241.5456	88.4519	54.8111	1076438.277	1407587.136	132.557	1.7	PARAMENTO
1817	232.5007	88.4603	54.0334	1076443.577	1407580.302	132.5286	1.7	PARAMENTO
1818	241.1418	88.2511	67.8605	1076427.161	1407580.287	132.8377	2.1	PARAMENTO
1819	232.3939	88.462	66.3782	1076433.868	1407572.68	132.7885	1.7	PARAMENTO
1820	240.4755	89.3544	96.8341	1076402.109	1407565.67	132.7503	1	PARAMENTO
1821	236.0053	89.5739	103.2219	1076401.051	1407555.213	133.1372	0	PARAMENTO
1822	240.2955	89.4648	129.4833	1076373.95	1407549.134	132.5646	1	PARAMENTO
1823	236.2953	89.2146	128.9368	1076379.139	1407541.735	132.8011	1.7	PARAMENTO
1824	239.105	89.2746	139.6734	1076366.704	1407541.337	132.6771	1.7	PARAMENTO
1825	239.1151	89.3006	137.5741	1076368.485	1407542.447	132.5641	1.7	VIA
1826	237.0411	89.2808	131.5855	1076376.209	1407541.369	132.5867	1.7	VIA
1827	240.0657	89.275	131.1495	1076372.939	1407547.554	132.5943	1.7	VIA
1828	236.1315	89.0453	93.1591	1076409.215	1407561.127	132.8601	1.7	VIA
1829	239.415	89.3331	91.4439	1076407.686	1407566.778	132.7713	1	VIA
1830	234.4015	88.4453	56.3647	1076440.653	1407580.348	132.5978	1.7	VIA
1831	234.3919	88.4516	63.707	1076434.676	1407576.086	132.7512	1.7	VIA
1832	240.0749	88.5236	63.1863	1076431.844	1407581.467	132.605	1.7	VIA
1833	240.1129	88.4636	58.1628	1076436.168	1407584.026	132.6081	1.7	VIA
1834	236.4711	88.3847	35.0256	1076457.323	1407593.764	132.1936	1.7	VIA
1835	237.3228	88.3405	31.7836	1076459.808	1407595.893	132.1604	1.7	VIA
1836	246.3258	88.4354	36.5584	1076453.086	1407598.396	132.1754	1.7	VIA
1837	248.4308	88.363	33.412	1076455.49	1407600.82	132.1777	1.7	VIA
1838	241.4949	88.3603	34.7122	1076456.026	1407596.561	132.2138	1.7	PZA
1839	316.2807	87.4117	7.3837	1076481.523	1407618.307	131.664	1.7	PZA
1840	283.2908	87.0415	4.5897	1076482.15	1407614.027	131.6006	1.7	VIA
1841	309.3808	88.5945	10.482	1076478.533	1407619.642	131.5498	1.7	VIA
1842	349.4131	88.1007	7.5666	1076485.25	1407620.401	131.6079	1.7	VIA
1843	18.4837	92.3139	33.079	1076497.246	1407644.249	129.9074	1.7	CERCA
1844	1.5213	91.493	34.5217	1076487.714	1407647.447	130.2668	1.7	CERCA
1845	327.053	90.1758	45.9713	1076461.61	1407651.541	131.1261	1.7	CERCA
1846	322.5442	90.2147	48.0892	1076457.587	1407651.305	131.0616	1.7	VIA
1847	319.042	90.0928	48.1187	1076455.064	1407649.298	131.2337	1.7	VIA
1848	319.2727	90.201	70.6097	1076440.681	1407666.592	130.9523	1.7	VIA
1849	321.5602	90.2522	70.8625	1076442.886	1407668.724	130.8436	1.7	VIA
1850	323.133	90.2202	71.2093	1076443.945	1407669.974	130.9102	1.7	CERCA
1851	328.3352	90.2229	71.2003	1076449.441	1407673.688	130.1006	2.5	NIVEL
1852	318.2203	90.2855	113.8087	1076410.953	1407697.978	130.4096	1.7	VIA
1853	321.062	90.2805	114.0808	1076414.93	1407701.707	130.4353	1.7	VIA
1854	321.3251	90.2805	114.0665	1076415.626	1407702.246	130.4353	1.7	CERCA
1855	326.0103	90.2805	114.048	1076422.811	1407707.491	129.5355	2.6	NIVEL
1856	318.55	90.0736	122.3851	1076406.13	1407705.163	131.0966	1.7	PZA
1857	318.4048	90.0656	121.92	1076406.109	1407704.527	131.1214	1.7	D-50 D-51
1858	138.4047	89.4005	121.9231	1076486.608	1407612.959	131.6285	1.7	D-51 - D-50
1859	119.4241	90.5301	99.5136	1076492.558	1407655.26	129.3873	1.7	CANAL
1860	120.4055	90.5213	89.4514	1076483.056	1407658.932	129.5631	1.7	CANAL
1861	119.3546	91.3125	67.0052	1076464.37	1407671.479	129.1401	1.7	CANAL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1862	110.5607	92.1858	52.3388	1076454.964	1407685.869	128.8063	1.7	CANAL
1863	115.0108	93.0948	42.8133	1076444.857	1407686.47	128.5589	1.7	CANAL
1864	114.302	94.4116	31.3664	1076434.562	1407691.577	128.358	1.7	CANAL
1865	96.3046	96.4046	21.4454	1076427.273	1407702.123	128.427	1.7	CANAL
1866	54.5321	96.3819	22.1116	1076424.069	1407717.17	128.3651	1.7	CANAL
1867	16.3925	96.0118	27.5929	1076413.96	1407730.821	128.0268	1.7	CANAL
1868	356.5146	92.3735	61.1433	1076402.732	1407765.513	128.1199	1.7	CANAL
1869	352.0605	91.4511	65.0806	1076397.134	1407768.955	128.9308	1.7	CERRAMIENTO
1870	334.1334	90.5738	58.5691	1076380.616	1407757.248	129.9398	1.7	CERRAMIENTO
1871	316.3143	90.2234	57.6013	1076366.457	1407746.306	130.5434	1.7	CERRAMIENTO
1872	302.4709	89.2958	7.5268	1076399.779	1407708.599	130.9872	1.7	CERCA
1873	49.0239	92.3133	5.4117	1076410.19	1407708.073	130.6829	1.7	CERCA
1874	152.3109	87.2841	87.9628	1076446.705	1407626.588	131.9924	4.5	CULATA
1875	270.0137	89.292	33.9797	1076372.131	1407704.524	131.2245	1.7	D-51 - D-46
1876	178.3941	85.3033	32.8205	1076406.892	1407671.817	131.2913	3.9	PROY.CULATA
1877	169.405	89.5527	24.964	1076410.595	1407679.97	130.9544	1.7	CULATA
1878	206.1921	88.5504	13.8962	1076399.956	1407692.071	131.1839	1.7	PARAMENTO
1879	218.3519	88.3219	29.6371	1076387.643	1407681.359	131.6773	1.7	PARAMENTO
1880	232.4526	88.5744	58.533	1076359.54	1407669.083	131.9817	1.7	NIVEL
1881	239.1826	89.1545	37.4233	1076373.942	1407685.408	131.6031	1.5	PARAMENTO
1882	282.1553	89.3448	62.0836	1076345.437	1407717.681	131.5769	1.5	PARAMENTO
1883	293.2331	89.48	121.8825	1076294.218	1407752.853	131.3476	1.7	PARAMENTO
1884	295.1911	89.5248	140.2874	1076279.299	1407764.524	131.2165	1.7	D-51 - D-53
1885	297.1823	89.5627	108.6795	1076309.512	1407754.329	131.0346	1.7	VIA
1886	302.0817	89.58	109.6389	1076313.238	1407762.798	130.9858	1.7	VIA
1887	303.1609	89.5404	103.5608	1076319.49	1407761.289	131.1011	1.7	VIA
1888	297.1611	89.5801	88.1487	1076327.735	1407744.871	130.9727	1.7	VIA
1889	301.1626	89.5803	85.4959	1076333.011	1407748.869	130.9703	1.7	VIA
1890	276.134	89.4306	48.0943	1076358.297	1407709.717	131.1581	1.7	VIA
1891	282.3722	89.4303	45.1246	1076362.07	1407714.363	131.1441	1.7	VIA
1892	235.4759	89.045	34.5567	1076377.543	1407685.09	131.476	1.7	VIA
1893	232.1817	88.5012	30.4295	1076382.047	1407685.911	131.5392	1.7	VIA
1894	225.225	88.5843	34.6573	1076381.458	1407680.174	131.5393	1.7	VIA
1895	223.4008	91.4206	31.2623	1076384.545	1407681.912	131.5931	0.1	VIA
1896	232.4248	88.4405	8.7447	1076399.157	1407699.227	131.1145	1.7	PZA
1897	262.1312	91.5333	5.0164	1076401.142	1407703.846	130.7557	1.7	VIA
1898	74.3601	89.4127	137.6211	1076655.994	1407298.148	134.5141	1.7	D-36 - D-33
1899	355.3735	87.4231	3.999	1076523.03	1407265.512	133.9299	1.7	VIA
1900	46.4746	89.0854	8.7997	1076529.747	1407267.555	133.9008	1.7	VIA
1901	92.0453	88.0534	6.3496	1076529.679	1407261.301	133.9813	1.7	VIA
1902	296.1002	87.4629	4.0078	1076519.742	1407263.292	133.9256	1.7	VIA
1903	192.0041	88.3123	6.472	1076521.994	1407255.199	133.9368	1.7	VIA
1904	171.2934	89.0423	28.5095	1076527.57	1407233.338	134.2313	1.7	VIA
1905	155.5724	89.023	29.548	1076535.389	1407234.554	134.2643	1.7	VIA
1906	169.0332	88.5553	61.3258	1076535.008	1407201.334	134.9139	1.7	VIA
1907	161.4337	88.482	62.6667	1076543.015	1407202.045	135.0764	1.7	VIA
1908	161.114	88.4637	70.7288	1076546.17	1407194.603	135.2798	1.7	VIA
1909	165.5228	88.5829	70.6415	1076540.613	1407193.043	135.0343	1.7	VIA
1910	162.1924	89.1741	106.0439	1076555.591	1407160.517	135.0758	1.7	VIA
1911	164.3129	89.2006	108.8895	1076552.449	1407156.61	135.0348	1.7	VIA
1912	161.1707	89.2509	99.975	1076555.466	1407166.862	135.2841	1.2	PARAMENTO
1913	165.4005	89.0625	96.8282	1076547.356	1407167.738	135.2798	1.7	PARAMENTO
1914	159.2201	88.1639	73.8825	1076549.399	1407192.43	135.9913	1.7	PARAMENTO
1915	166.4135	88.5151	72.7369	1076540.115	1407190.767	135.2121	1.7	PARAMENTO
1916	164.0645	88.5124	67.6831	1076541.898	1407196.454	135.1208	1.7	PZA
1917	162.1329	88.4947	63.731	1076542.823	1407200.863	135.072	1.7	PZT
1918	155.5714	87.284	59.6108	1076547.634	1407207.157	136.3934	1.7	PARAMENTO
1919	172.4502	88.5221	49.544	1076529.615	1407212.393	134.745	1.7	PARAMENTO
1920	171.104	88.522	47.8158	1076530.696	1407214.291	134.7112	1.7	PARAMENTO
1921	190.2001	89.0631	54.2547	1076513.636	1407208.154	134.6143	1.7	PARAMENTO
1922	186.5907	89.1035	63.4198	1076515.661	1407198.581	134.682	1.7	PARAMENTO
1923	187.0605	89.1029	64.7446	1076515.37	1407197.282	134.7029	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1924	191.4919	88.2225	8.623	1076521.576	1407253.09	134.0147	1.7	PARAMENTO
1925	205.0228	87.5955	8.2062	1076519.87	1407254.096	134.0566	1.7	PARAMENTO
1926	243.0515	89.3255	32.1835	1076494.648	1407246.945	134.0236	1.7	PARAMENTO
1927	241.1716	89.3553	34.0265	1076493.504	1407245.165	134.0087	1.7	PARAMENTO
1928	219.5233	89.1724	43.0956	1076495.728	1407228.442	134.3041	1.7	PARAMENTO
1929	226.5722	89.3627	52.5345	1076484.964	1407225.649	134.1301	1.7	PARAMENTO
1930	150.4438	88.354	30.1723	1076538.093	1407235.22	134.5102	1.7	PARAMENTO
1931	159.3006	89.0018	40.4823	1076537.532	1407223.622	134.4731	1.7	PZA
1932	94.564	87.0836	9.1535	1076532.445	1407260.745	134.2262	1.7	PZA
1933	346.2125	87.4521	6.4003	1076521.825	1407267.742	134.0206	1.7	PZA
1934	38.4811	89.21	11.8441	1076530.753	1407270.762	133.9043	1.7	PARAMENTO
1935	49.1138	88.0833	5.578	1076527.555	1407265.173	133.9508	1.7	PZT
1936	75.4018	87.0215	3.4133	1076526.639	1407262.373	133.9464	1.7	PZA
1937	106.5525	88.1019	5.9661	1076529.043	1407259.795	133.9603	1.7	PZT
1938	1.1532	90.3123	34.5626	1076524.077	1407296.081	133.4545	1.7	VIA
1939	351.1608	90.2514	31.64	1076518.516	1407292.798	133.5378	1.7	VIA
1940	163.1407	89.2244	124.5575	1076559.33	1407142.292	135.1212	1.7	D-36 - D-54
1941	349.175	90.5052	90.0383	1076506.567	1407349.981	133.1382	1	VIA
1942	349.441	90.4345	96.9176	1076506.015	1407356.877	133.0372	1.2	VIA
1943	348.4459	90.5021	99.1842	1076503.933	1407358.785	133.218	0.8	PARAMENTO
1944	348.2221	90.5807	89.6181	1076505.227	1407349.284	133.1554	0.8	PARAMENTO
1945	357.2234	90.1216	69.9936	1076520.093	1407331.446	133.5205	1.7	PARAMENTO
1946	349.1336	90.371	50.7164	1076513.829	1407311.342	133.422	1.5	PARAMENTO
1947	253.5257	89.5925	49.6814	1076475.616	1407247.709	133.7787	1.7	D-36 - D-55
1948	254.3922	90.0452	166.7803	1076362.527	1407217.304	133.5354	1.7	D-36 - D-56
1949	343.1408	90.2352	124.5546	1076523.337	1407261.529	133.9975	1.7	D-54 - D-36
1950	48.1058	91.3937	65.3027	1076607.954	1407185.842	132.9695	1.7	CULATA
1951	64.0803	89.4844	89.8673	1076640.172	1407181.543	135.1562	1.7	CULATA
1952	64.3806	91.4641	54.6022	1076608.632	1407165.699	133.1671	1.7	NIVEL
1953	57.2824	90.2017	36.8135	1076590.357	1407162.103	134.6441	1.7	NIVEL
1954	49.1232	92.5412	24.0884	1076577.535	1407158.019	133.6411	1.7	NIVEL
1955	176.5516	90.1357	28.3781	1076560.87	1407113.956	134.7461	1.7	D-54 - GPS-4
1956	310.0822	91.4552	29.9287	1076536.45	1407161.563	135.1397	0.5	PARAMENTO
1957	297.4823	89.232	31.0808	1076531.832	1407156.774	135.1927	1.7	PARAMENTO
1958	269.4627	89.2919	23.8635	1076535.468	1407142.184	135.0742	1.7	PARAMENTO
1959	263.5054	90.1919	39.7331	1076519.829	1407138.012	134.6381	1.7	VIA
1960	326.4803	89.0614	12.6869	1076552.378	1407152.903	135.0596	1.7	VIA
1961	348.4855	89.2542	10.8115	1076557.227	1407152.896	134.9691	1.7	VIA
1962	280.3714	90.0406	12.8828	1076546.667	1407144.659	134.8458	1.7	VIA
1963	267.213	89.543	10.6284	1076548.713	1407141.796	134.8782	1.7	VIA
1964	252.3205	91.0359	33.4144	1076527.467	1407132.247	134.2393	1.7	VIA
1965	261.0427	90.4158	34.0462	1076525.702	1407136.991	134.4456	1.7	VIA
1966	253.4017	90.5404	42.545	1076518.513	1407130.309	134.1922	1.7	VIA
1967	262.1823	90.4736	42.5964	1076517.125	1407136.566	134.2716	1.7	VIA
1968	263.4628	90.4522	50.0446	1076509.588	1407136.837	134.2009	1.7	VIA
1969	263.4932	90.5055	61.5987	1076498.099	1407135.633	133.9492	1.7	VIA
1970	183.1322	91.4126	86.7233	1076554.506	1407055.741	133.0033	1	CORONA
1971	163.532	90.3244	31.0035	1076567.95	1407112.512	134.566	1.7	CORONA
1972	143.3409	90.3243	17.6551	1076569.822	1407128.094	134.6932	1.7	CORONA
1973	92.534	93.4231	9.6886	1076568.986	1407141.809	134.2345	1.7	CORONA
1974	73.5118	96.1804	18.3318	1076576.83	1407147.368	132.8492	1.7	CORONA
1975	57.4002	90.1505	35.9197	1076589.67	1407161.52	134.7037	1.7	D-54 - D-54A
1976	237.4002	89.3405	35.9163	1076559.334	1407142.294	135.1346	1.3	D-54A - D-54
1977	119.3902	90.1052	41.0314	1076625.34	1407141.242	134.3342	1.7	CULATA
1978	334.1717	91.2501	18.0239	1076581.843	1407177.75	134.018	1.7	CULATA
1979	130.5521	91.031	39.5841	1076619.589	1407135.612	133.7366	1.7	CULATA
1980	138.1016	92.2614	36.4429	1076613.967	1407134.403	132.914	1.7	CORONA
1981	131.0805	91.0703	39.9395	1076619.76	1407135.269	133.6849	1.7	CORONA
1982	139.0412	92.1527	37.1747	1076614.021	1407133.47	132.9995	1.7	CORONA
1983	144.1449	93.1628	26.407	1076605.086	1407140.133	132.9554	1.7	CORONA
1984	151.0408	94.4553	16.9085	1076597.829	1407146.777	133.0592	1.7	CORONA
1985	202.115	94.4459	13.7598	1076584.496	1407148.821	133.3244	1.7	CORONA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1986	316.2747	95.023	14.0519	1076580.022	1407171.662	133.2288	1.7	NIVEL
1987	28.2012	97.0238	13.7122	1076596.122	1407173.502	132.7822	1.7	NIVEL
1988	74.5436	95.3539	14.8988	1076603.984	1407165.388	133.0114	1.7	NIVEL
1989	133.0238	95.0021	10.706	1076597.468	1407154.245	133.5295	1.7	NIVEL
1990	63.4038	91.1149	34.1149	1076620.232	1407176.662	133.7511	1.7	NIVEL
1991	120.421	92.4501	25.2793	1076611.388	1407148.64	133.2508	1.7	NIVEL
1992	81.4304	91.3324	38.5253	1076627.776	1407167.089	133.4171	1.7	NIVEL
1993	88.0212	92.2912	27.4947	1076617.122	1407162.477	133.2708	1.7	NIVEL
1994	84.0022	92.2114	34.3371	1076623.788	1407165.122	133.0536	1.7	NIVEL
1995	288.4232	93.164	21.9792	1076568.882	1407168.547	133.2071	1.7	PZA
1996	356.5516	88.4215	28.3768	1076559.331	1407142.283	135.1349	1.7	GPS-4 - D-54
1997	328.043	89.0432	24.1962	1076548.065	1407134.482	134.8835	1.7	PARAMENTO
1998	324.5919	88.57	18.1542	1076550.448	1407128.816	134.8258	1.7	PARAMENTO
1999	287.3849	90.3354	28.5929	1076533.619	1407122.608	134.2111	1.7	PARAMENTO
2000	287.0451	90.2807	51.3397	1076511.788	1407129.007	134.0734	1.7	KIOSCO
2001	269.213	90.5104	44.7968	1076516.082	1407113.429	133.8278	1.7	KIOSCO
2002	267.0627	90.5748	53.9346	1076507.014	1407111.204	133.5866	1.7	KIOSCO
2003	233.4518	90.0941	56.6692	1076515.186	1407080.425	133.0338	3	PARAMENTO
2004	217.57	92.103	38.2804	1076537.363	1407083.778	133.0403	1.7	PARAMENTO
2005	210.563	90.2206	43.6229	1076538.463	1407076.529	132.9128	3	PARAMENTO
2006	207.5714	91.4725	83.9429	1076521.583	1407039.821	131.8712	1.7	CORONA
2007	199.1035	91.4811	74.2865	1076536.521	1407043.812	132.1561	1.7	CORONA
2008	207.0216	90.1235	9.6312	1076556.497	1407105.375	134.4579	1.7	NIVEL
2009	206.2102	89.5937	24.6673	1076549.934	1407091.845	134.4958	1.7	NIVEL
2010	206.5039	90.271	35.6952	1076544.77	1407082.099	134.2111	1.7	NIVEL
2011	205.5114	91.5338	46.7036	1076540.539	1407071.938	132.9497	1.7	NIVEL
2012	192.0403	91.5441	41.8362	1076552.152	1407073.062	133.0979	1.7	NIVEL
2013	205.5204	91.3916	61.9837	1076533.87	1407058.191	132.7036	1.7	NIVEL
2014	195.0639	91.4625	53.6557	1076546.919	1407062.172	132.8327	1.7	NIVEL
2015	207.3716	91.3759	78.9018	1076524.344	1407044.054	132.2449	1.7	NIVEL
2016	246.2409	91.2253	60.887	1076505.105	1407089.558	133.0255	1.7	GPS-4 - D-AUX
2017	66.241	88.1202	60.8853	1076560.858	1407113.95	134.7576	1.7	D-AUX - GPS-4
2018	65.071	88.3606	23.8245	1076526.706	1407099.591	133.4269	1.7	ZONA DURA
2019	44.21	88.3949	12.1654	1076513.602	1407098.259	133.1292	1.7	ZONA DURA
2020	124.1351	96.3053	12.775	1076515.603	1407082.424	133.0961	0	ZONA DURA
2021	146.4801	88.0944	21.4165	1076516.836	1407071.653	133.5323	1.7	PARAMENTO
2022	147.1156	89.531	11.6569	1076511.425	1407079.763	132.8687	1.7	NIVEL
2023	161.4058	88.0123	22.3458	1076512.136	1407068.361	133.6164	1.7	NIVEL
2024	149.1757	90.5241	19.4269	1076515.032	1407072.861	132.5478	1.7	NIVEL
2025	165.2524	88.2453	32.5839	1076513.32	1407058.039	133.747	1.7	NIVEL
2026	154.5145	90.5934	30.7435	1076518.178	1407061.737	132.3129	1.7	NIVEL
2027	184.3409	88.3224	33.6972	1076502.44	1407055.977	133.7041	1.7	NIVEL
2028	159.4444	90.5805	40.1743	1076519.032	1407051.881	132.1669	1.7	NIVEL
2029	184.243	90.4953	36.8816	1076502.291	1407052.787	132.3104	1.7	NIVEL
2030	172.3212	89.3828	49.4884	1076511.561	1407040.493	131.6557	3.2	CORONA
2031	191.1247	87.1036	25.6582	1076500.136	1407064.417	133.9094	1.9	KIOSCO
2032	181.2729	87.5059	24.8716	1076504.487	1407064.711	133.7787	1.7	KIOSCO
2033	179.3358	88.2023	30.996	1076505.357	1407058.576	133.7437	1.7	KIOSCO
2034	182.0939	87.3229	23.0591	1076504.249	1407066.536	133.8347	1.7	NIVEL
2035	173.5551	88.0952	15.8826	1076506.792	1407073.773	133.3542	1.7	NIVEL
2036	205.4047	88.3009	25.29	1076494.162	1407066.767	133.9065	1.3	NIVEL
2037	186.2722	88.1054	14.9648	1076503.432	1407074.694	133.3204	1.7	PARAMENTO
2038	189.1928	89.1559	12.4846	1076503.089	1407077.238	133.0054	1.7	PARAMENTO
2039	201.0519	86.5136	13.6268	1076500.216	1407076.86	133.1919	2.1	PARAMENTO
2040	207.0135	88.294	14.2884	1076498.622	1407076.83	133.0209	1.9	PARAMENTO
2041	224.1703	88.52	10.4972	1076497.781	1407082.04	133.0531	1.7	PARAMENTO
2042	238.2847	90.0147	15.9509	1076491.512	1407081.211	132.8373	1.7	PARAMENTO
2043	238.4542	89.1029	39.2745	1076471.54	1407069.173	133.4112	1.7	NIVEL
2044	149.4443	89.182	9.2953	1076509.792	1407081.532	132.9582	1.7	VIA
2045	184.3954	89.1924	9.0802	1076504.372	1407080.508	132.9527	1.7	VIA
2046	338.2718	88.5405	14.7636	1076499.676	1407103.284	133.1286	1.7	VIA
2047	357.0739	89.0438	18.9898	1076504.143	1407108.521	133.1513	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2048	350.0231	88.3932	39.6873	1076498.222	1407128.633	133.7744	1.7	VIA
2049	343.5412	88.393	40.2511	1076493.926	1407128.214	133.7881	1.7	VIA
2050	349.1316	88.5505	91.387	1076487.966	1407179.306	134.5718	1.7	VIA
2051	345.4325	88.5211	90.8482	1076482.656	1407177.57	134.6383	1.7	VIA
2052	346.5118	89.0106	96.9917	1076482.997	1407183.982	134.5077	1.7	VIA
2053	345.1748	88.5449	98.7279	1076479.997	1407185.021	134.7182	1.7	VIA
2054	344.1251	88.1833	89.0654	1076480.837	1407175.213	135.0739	2.1	VIA
2055	352.4741	88.35	53.8655	1076498.32	1407142.978	134.1774	1.7	KIOSCO
2056	340.1806	88.2609	45.7971	1076489.649	1407132.65	134.0957	1.7	PARAMENTO
2057	326.5742	87.1831	17.901	1076495.348	1407104.542	133.6861	1.7	PARAMENTO
2058	324.2004	88.2044	18.254	1076494.458	1407104.376	133.3725	1.7	PARAMENTO
2059	314.3354	88.3851	13.9785	1076495.143	1407099.358	133.1755	1.7	PARAMENTO
2060	280.424	88.5329	30.6921	1076474.95	1407095.244	133.4393	1.7	PARAMENTO
2061	240.0549	89.1549	41.2213	1076469.386	1407068.989	133.3754	1.7	PARAMENTO
2062	240.0945	89.283	47.3347	1076464.06	1407065.984	133.2793	1.7	PARAMENTO
2063	284.4222	84.1356	39.99	1076466.615	1407099.636	132.9644	5.6	CULATA
2064	283.1743	85.0247	52.7323	1076453.971	1407101.61	133.2991	5.8	NIVEL
2065	65.4531	89.2329	26.4037	1076529.173	1407100.412	133.126	1.7	NIVEL
2066	63.1159	87.4544	33.4294	1076534.912	1407104.636	134.1508	1.7	NIVEL
2067	46.4432	87.5208	32.7794	1076528.948	1407112.019	134.0645	1.7	NIVEL
2068	45.534	89.0131	26.758	1076524.305	1407108.189	133.3007	1.7	NIVEL
2069	31.0829	87.5559	28.4839	1076519.812	1407113.929	133.8729	1.7	NIVEL
2070	35.1336	88.1149	46.3005	1076531.777	1407127.376	134.3024	1.7	PARAMENTO
2071	31.2341	88.0725	41.8813	1076526.89	1407125.301	134.2169	1.7	PARAMENTO
2072	24.2805	87.2016	26.0861	1076515.884	1407113.282	134.0572	1.7	NIVEL,INUNDACION
2073	73.5258	89.3443	49.6809	1076523.335	1407261.527	133.9542	1.7	D-55 - D-36
2074	164.0519	89.3211	57.9327	1076491.529	1407192.007	134.5576	1.2	PARQUE
2075	163.0731	89.0639	59.2566	1076492.847	1407191.02	134.5085	1.7	PARQUE
2076	166.1818	89.2207	71.965	1076492.692	1407177.804	134.5821	1.5	PARAMENTO
2077	152.553	89.055	74.0677	1076509.361	1407181.785	134.956	1.5	PARAMENTO
2078	61.552	89.1253	31.5619	1076503.452	1407262.578	134.0213	1.7	PARAMENTO
2079	0.445	85.4701	6.6263	1076475.698	1407254.317	134.0759	1.7	PARAMENTO
2080	165.5211	89.1316	60.6077	1076490.444	1407188.949	134.4129	1.7	VIA
2081	165.0341	89.1202	38.837	1076485.648	1407210.194	134.1306	1.7	VIA
2082	178.5035	89.1013	37.3241	1076476.391	1407210.397	134.1292	1.7	VIA
2083	147.2926	87.192	4.8602	1076478.227	1407243.616	133.8158	1.7	INT.PEATONAL
2084	20.3851	87.4159	2.4666	1076476.484	1407250.015	133.6877	1.7	INT.PEATONAL
2085	322.5002	87.1	2.9632	1076473.827	1407250.066	133.7352	1.7	VIA
2086	277.0021	89.064	7.7016	1076467.972	1407248.644	133.7082	1.7	VIA
2087	227.2746	89.0549	8.9229	1076469.045	1407241.673	133.7293	1.7	VIA
2088	248.1227	87.1009	4.1602	1076471.759	1407246.164	133.7942	1.7	PZA
2089	225.4524	88.001	11.5515	1076467.35	1407239.649	133.9913	1.7	PARAMENTO
2090	293.2959	88.5025	12.8895	1076463.795	1407252.841	133.8496	1.7	PARAMENTO
2091	284.1957	88.4958	13.3438	1076462.688	1407251.004	133.8605	1.7	PARAMENTO
2092	348.4046	90.2231	39.5179	1076467.837	1407286.453	133.33	1.7	PARAMENTO
2093	337.1041	90.1848	56.0979	1076453.828	1407299.402	133.2821	1.7	PARAMENTO
2094	348.0359	90.1147	86.1137	1076457.762	1407331.951	132.9941	2	PARAMENTO
2095	340.442	90.2341	94.2194	1076444.486	1407336.634	132.94	1.7	PARAMENTO
2096	347.3509	90.3743	94.8991	1076455.164	1407340.372	132.9481	1.3	PARAMENTO
2097	345.231	90.295	96.8639	1076451.125	1407341.422	132.7485	1.7	PZA
2098	345.1353	90.295	91.5087	1076452.24	1407336.178	132.7954	1.7	PZA
2099	346.3441	90.2949	93.8574	1076453.779	1407338.987	132.7754	1.7	VIA
2100	346.0602	90.312	87.1584	1076454.632	1407332.3	132.7946	1.7	VIA
2101	342.0944	90.3346	85.8983	1076449.258	1407329.459	132.7454	1.7	VIA
2102	337.3501	90.3836	44.8286	1076458.499	1407289.138	133.0855	1.7	VIA
2103	345.1028	90.3704	42.4095	1076464.742	1407288.698	133.1315	1.7	VIA
2104	342.2001	90.3302	88.5904	1076448.684	1407332.102	132.7378	1.7	D-55 - D-55A
2105	257.4917	89.4148	54.7411	1076422.114	1407236.13	133.8788	1.7	VIA
2106	250.4949	89.4027	55.986	1076422.746	1407229.295	133.9074	1.7	VIA
2107	253.0839	90.0415	115.3551	1076365.236	1407214.197	133.4471	1.7	VIA
2108	253.0452	89.5747	124.1522	1076356.858	1407211.511	133.6696	1.7	VIA
2109	255.24	89.5922	123.3934	1076356.225	1407216.537	133.6125	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2110	256.0108	90.252	216.1757	1076265.88	1407195.363	131.9984	1.7	D-55 - 56AA
2111	257.3648	89.5942	113.4319	1076364.838	1407223.314	133.9997	1.3	PARAMENTO
2112	251.334	90.1935	114.7162	1076366.811	1407211.364	134.1363	0.5	PARAMENTO
2113	259.3553	89.4348	71.6118	1076405.189	1407234.739	133.9265	1.7	PARAMENTO
2114	247.2033	89.3802	59.453	1076420.765	1407224.776	134.369	1.3	PARAMENTO
2115	74.3923	89.4614	166.7741	1076523.33	1407261.525	134.002	1.7	CULATA
2116	355.435	92.5058	26.8688	1076360.514	1407244.064	131.9967	1.7	CULATA
2117	356.0035	92.1715	26.8207	1076360.647	1407244.038	133.962	0	ALTURA,PISO
2118	251.5407	90.1114	63.6963	1076301.993	1407197.483	133.1246	1.7	PARAMENTO
2119	242.3146	89.3452	18.3695	1076346.234	1407208.822	133.4667	1.7	PARAMENTO
2120	215.2202	88.0846	24.0036	1076348.651	1407197.733	134.109	1.7	PARAMENTO
2121	184.5532	88.3242	16.2114	1076361.144	1407201.157	133.7441	1.7	PARAMENTO
2122	176.2944	89.1039	28.3643	1076364.276	1407188.997	133.7396	1.7	PARAMENTO
2123	174.4454	89.3335	53.2095	1076367.427	1407164.323	133.7415	1.7	PARAMENTO
2124	162.5656	89.1606	52.7614	1076378.025	1407166.875	134.0064	1.7	PARAMENTO
2125	261.4938	90.2604	75.57	1076287.733	1407206.519	132.7596	1.7	PARAMENTO
2126	268.0214	90.1315	41.6374	1076320.915	1407215.855	133.172	1.7	PARAMENTO
2127	286.0741	90.3612	48.6946	1076315.743	1407230.804	132.8198	1.7	CULATA
2128	137.2537	87.263	7.4195	1076367.544	1407211.849	133.6636	1.7	PARAMENTO
2129	149.1625	88.0602	8.0739	1076366.654	1407210.37	133.6	1.7	PARAMENTO
2130	160.3206	88.2142	20.3109	1076369.303	1407198.166	133.9131	1.7	PARAMENTO
2131	164.3212	89.4533	55.1738	1076377.267	1407164.137	133.5646	1.7	VIA
2132	164.3427	89.3734	60.0407	1076378.529	1407159.437	133.7245	1.7	VIA
2133	170.1411	90.014	58.8608	1076372.541	1407159.302	133.3041	1.7	VIA
2134	167.3206	89.4828	57.5566	1076374.982	1407161.112	133.5257	1.7	D-56 - D-56A
2135	168.2549	89.4332	57.0412	1076373.998	1407161.429	133.6058	1.7	PZA
2136	172.1633	89.1117	31.0638	1076366.719	1407186.528	133.7726	1.7	VIA
2137	164.3548	89.0624	31.845	1076371.002	1407186.612	133.829	1.7	VIA
2138	317.2438	90.5749	91.2442	1076300.749	1407284.436	131.7983	1.7	NIVEL
2139	338.4327	91.1727	72.6016	1076336.151	1407284.926	131.6974	1.7	NIVEL
2140	338.3537	91.1407	72.8408	1076335.909	1407285.089	131.7625	1.7	D-56 - D-56A
2141	344.2152	92.3452	39.727	1076351.809	1407255.517	131.5434	1.7	NIVEL
2142	335.4858	92.1721	45.8896	1076362.529	1407217.308	131.4997	1.7	NIVEL
2143	317.4625	91.5754	51.4343	1076343.719	1407259.123	131.5689	1.7	NIVEL
2144	335.5536	93.2955	21.73	1076380.71	1407157.82	132.0064	1.7	NIVEL
2145	317.1958	92.5602	36.7126	1076327.959	1407255.349	131.4535	1.7	NIVEL
2146	301.1756	93.4538	27.2356	1076423.641	1407163.924	131.5462	1.7	NIVEL
2147	287.4646	92.2258	38.2623	1076353.668	1407237.103	131.4417	2	NIVEL
2142	347.3218	89.4807	57.5591	1076419.55	1407171.64	133.5449	1.7	D-56A - D-56
2143	119.5459	83.2031	6.6514	1076337.663	1407244.25	134.1169	1.7	PARAMENTO
2144	86.4332	88.4507	48.7525	1076421.519	1407166.601	134.4078	1.7	PARAMENTO
2145	76.4429	88.3224	45.8099	1076339.297	1407231.41	134.513	1.7	PARAMENTO
2146	83.1819	88.4343	46.872	1076420.208	1407169.595	134.3858	1.7	VIA
2147	79.2434	88.375	46.0278	1076326.117	1407228.957	134.4458	1.7	VIA
2148	186.1253	91.5604	18.193	1076373.023	1407143.035	132.7316	1.7	VIA
2149	199.5531	91.5225	18.2968	1076368.759	1407143.916	132.7475	1.7	VIA
2150	192.3621	90.5808	51.8536	1076363.695	1407110.509	132.4691	1.7	VIA
2151	198.025	90.501	50.6219	1076359.328	1407112.977	132.6073	1.7	VIA
2152	203.4943	90.4509	49.9502	1076354.829	1407115.412	132.6898	1.7	PARAMENTO
2153	186.5145	92.3403	47.813	1076369.301	1407113.686	132.9041	0	PARAMENTO
2154	210.3449	91.2528	17.6752	1076366.001	1407145.895	132.9063	1.7	PARAMENTO
2155	168.5003	91.234	15.0663	1076377.907	1407146.337	132.9791	1.7	PARAMENTO
2156	193.3108	90.2855	85.9436	1076354.939	1407077.541	132.6234	1.7	D-56A - D-56C
2157	195.4807	89.3914	81.6068	1076352.804	1407082.578	133.8391	1.7	PUNTE COLGANTE
2158	198.164	89.3914	81.4004	1076349.497	1407083.806	133.8377	1.7	PUNTE COLGANTE
2159	204.4209	90.1548	43.6781	1076356.751	1407121.421	133.545	1.3	NIVEL,INUNDACION
2160	241.305	89.1512	40.0263	1076339.815	1407142.003	133.8674	1.7	NIVEL,INUNDACION
2161	241.302	89.4126	41.0229	1076338.94	1407141.521	133.5673	1.7	NIVEL
2162	265.4358	89.3707	38.8599	1076336.232	1407158.199	133.6044	1.7	CULATA
2163	13.3107	89.1343	85.9636	1076374.985	1407161.127	133.5411	1.7	D-56C - D-56A
2164	31.4736	89.0029	38.8021	1076375.361	1407110.528	133.0551	1.7	PARAMENTO
2165	36.4926	88.2055	27.1424	1076371.188	1407099.268	133.1657	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2166	58.3349	88.533	33.4343	1076383.451	1407094.992	133.0302	1.7	PARAMENTO
2167	62.2839	90.0218	74.0639	1076420.602	1407111.803	132.3343	1.7	CULATA
2168	67.1833	89.5618	60.4763	1076410.721	1407100.902	132.4487	1.7	CULATA
2169	71.5358	90.0456	75.7811	1076426.957	1407101.126	132.2752	1.7	CULATA
2170	72.2829	89.3958	50.252	1076402.849	1407092.7	132.6763	1.7	CULATA
2171	78.1153	90.0107	86.121	1076439.229	1407095.203	132.3558	1.7	CULATA
2172	74.4203	89.5813	29.2473	1076383.146	1407085.274	132.3986	1.7	CULATA
2173	68.0358	90.1148	10.5654	1076364.737	1407081.493	132.3471	1.7	CULATA
2174	86.2703	89.4855	72.7371	1076427.534	1407082.085	132.6184	1.7	CULATA
2175	13.1445	90.0809	22.0471	1076359.979	1407099.005	132.3312	1.7	CANAL
2176	52.4722	92.1214	9.087	1076362.168	1407083.037	132.034	1.7	CANAL
2177	94.002	91.5401	13.4776	1076368.377	1407076.608	131.9365	1.7	CANAL
2178	133.0229	92.461	10.0202	1076362.258	1407070.714	131.8993	1.7	CANAL
2179	165.5529	92.0524	18.1069	1076359.35	1407059.992	131.7231	1.7	CANAL
2180	165.3904	89.3922	21.3351	1076360.238	1407056.875	132.5115	1.7	CORONA
2181	92.0008	89.3606	86.5914	1076441.477	1407074.565	132.986	1.7	CORONA
2182	92.0005	89.3727	106.6085	1076461.482	1407073.878	133.0835	1.7	CORONA
2183	118.5841	88.5642	19.1445	1076371.689	1407068.277	132.7359	1.7	CORONA
2184	95.2101	89.4016	70.6967	1076425.33	1407070.989	132.7894	1.7	CORONA
2185	95.0235	89.4014	27.497	1076382.331	1407075.14	132.5415	1.7	CORONA
2186	87.5007	89.2243	39.9479	1076394.855	1407079.073	132.8167	1.7	CORONA
2187	89.0331	89.1934	49.2211	1076404.15	1407078.378	132.9625	1.7	CORONA
2188	287.5531	90.2535	13.6879	1076341.914	1407081.747	132.2816	1.7	NIVEL
2189	244.5919	89.5644	26.0857	1076331.306	1407066.499	132.4082	1.7	NIVEL
2190	292.1125	90.5817	25.49	1076331.335	1407087.154	132.4513	1.2	NIVEL
2191	257.0622	89.4442	40.3303	1076315.631	1407068.519	132.563	1.7	NIVEL
2192	240.46	89.4818	53.923	1076307.899	1407051.18	131.467	2.8	CORONA
2193	213.2448	90.5117	33.142	1076336.706	1407049.87	132.289	1.3	CORONA
2194	200.4421	90.0216	27.9798	1076345.046	1407051.369	132.365	1.7	CORONA
2195	204.3347	88.5245	18.5917	1076347.222	1407060.631	132.7471	1.7	CORONA
2196	247.4855	92.4759	27.3919	1076329.611	1407067.196	132.2455	0.5	CORONA
2197	237.2831	91.2639	33.6884	1076326.554	1407059.418	131.5344	1.7	CORONA
2198	341.173	90.0935	46.7544	1076339.918	1407121.817	132.2532	1.7	CULATA
2199	335.2147	89.5041	29.9789	1076342.426	1407104.784	132.4647	1.7	CASA
2200	327.3222	89.4121	26.4291	1076340.742	1407099.833	132.5268	1.7	CASA
2201	313.2013	90.4906	34.091	1076330.133	1407100.921	132.0966	1.5	CASA
2202	2.3517	85.0408	5.6596	1076355.191	1407083.174	132.8699	1.7	MURO PUENTE
2203	6.0628	84.2445	5.0309	1076355.469	1407082.52	132.8732	1.7	MURO PUENTE
2204	328.3841	90.3258	4.4132	1076352.641	1407081.308	132.3411	1.7	MURO PUENTE
2205	310.4616	87.2415	7.8818	1076348.973	1407082.68	132.7404	1.7	MURO PUENTE
2206	319.2114	86.2246	11.9754	1076347.149	1407086.605	133.1397	1.7	MURO PUENTE
2207	322.0419	86.1428	11.9782	1076347.587	1407086.965	133.1686	1.7	MURO PUENTE
2208	203.275	90.0731	90.6953	1076318.874	1406994.325	132.1855	1.7	D-56C - D-57
2209	201.4539	87.4236	54.9646	1076334.607	1407026.523	134.5798	1.7	PUENTE COLGANTE
2210	204.031	87.4019	54.784	1076332.657	1407027.543	134.6091	1.7	PUENTE COLGANTE
2211	208.5517	86.1947	31.8879	1076339.565	1407049.679	134.4247	1.7	PUENTE COLGANTE
2212	205.2606	86.0811	30.1005	1076342.056	1407050.413	134.4116	1.7	PUENTE COLGANTE
2213	76.0108	89.2751	216.1831	1076475.619	1407247.71	133.8162	1.7	D-56AA - D-55
2214	86.282	87.5732	36.1684	1076301.955	1407197.607	133.0797	1.7	PARAMENTO
2215	81.4141	88.0857	29.3301	1076294.885	1407199.614	132.7387	1.7	PARAMENTO
2216	62.5905	87.4817	24.5808	1076287.756	1407206.532	132.733	1.7	PARAMENTO
2217	53.2612	87.4121	20.0566	1076281.969	1407207.31	132.6001	1.7	PARAMENTO
2218	26.1139	87.3732	29.346	1076278.807	1407221.68	133.0072	1.7	PARAMENTO
2219	8.5822	89.4601	45.9169	1076273.015	1407240.722	132.6783	1	PARAMENTO
2220	19.5154	89.0304	50.496	1076283.009	1407242.857	132.6278	1.7	PARAMENTO
2221	5.1922	89.2614	54.2201	1076270.879	1407249.349	132.3242	1.7	NIVEL
2222	4.5426	89.5222	77.2881	1076272.447	1407272.371	131.9632	1.7	NIVEL
2223	348.0227	90.0251	61.5144	1076253.099	1407255.535	131.7406	1.7	NIVEL
2224	336.2845	89.5144	91.267	1076229.409	1407279.026	132.0113	1.7	NIVEL
2225	335.4743	89.545	116.5295	1076218.043	1407301.621	131.9676	1.7	NIVEL
2226	329.0716	89.5438	51.2105	1076239.572	1407239.299	131.8715	1.7	NIVEL
2227	320.4834	91.0637	56.5314	1076230.139	1407239.149	130.6962	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2228	304.5711	89.4712	22.6035	1076247.346	1407208.302	131.8756	1.7	NIVEL
2229	260.1635	90.1449	23.5234	1076242.697	1407191.377	131.6901	1.7	CERCA
2230	63.2823	88.5124	20.4834	1076284.198	1407204.52	132.2001	1.7	VIA
2231	69.5907	88.2438	18.1674	1076282.94	1407201.588	132.2953	1.7	VIA
2232	1.0146	90.2242	15.5349	1076266.15	1407210.895	131.6889	1.7	VIA
2233	4.3136	90.3013	18.025	1076267.292	1407213.332	131.633	1.7	VIA
2234	323.0717	89.5835	47.9161	1076237.102	1407233.675	131.8112	1.7	VIA
2235	326.0605	89.5341	49.4406	1076238.282	1407236.384	131.8824	1.7	VIA
2236	214.2748	90.1123	36.9389	1076244.994	1407164.895	132.0692	1.3	NIVEL
2237	130.0456	86.1946	6.2033	1076270.618	1407191.379	132.1885	1.7	CERCA
2238	273.032	89.0536	22.6738	1076243.24	1407196.558	132.1503	1.7	P.E
2239	158.3536	88.2631	72.8427	1076362.524	1407217.312	133.5363	1.7	D-56B - D-56
2240	82.3901	89.3456	71.8666	1076407.178	1407294.323	132.4799	1.3	CULATA
2241	104.3355	88.5852	82.9485	1076416.191	1407264.278	133.031	1.7	CULATA
2242	120.3517	88.321	59.7355	1076387.333	1407254.731	133.0819	1.7	CULATA
2243	336.4149	89.5658	28.5836	1076324.587	1407311.335	131.5807	1.7	CASA
2244	334.0156	89.3031	23.0691	1076325.797	1407305.823	131.7534	1.7	CASA
2245	322.0524	89.5856	24.1585	1076321.055	1407304.142	131.563	1.7	CASA
2246	135.4643	90.3252	44.2473	1076366.785	1407253.398	131.1326	1.7	NIVEL
2247	108.4229	90.3346	42.5579	1076376.224	1407271.463	131.1375	1.7	NIVEL
2248	90.581	90.3848	41.9868	1076377.888	1407284.403	131.0817	1.7	NIVEL
2249	292.3756	89.3058	23.1537	1076314.534	1407293.987	131.7511	1.7	CAMINO
2250	296.5837	89.2338	24.0025	1076314.513	1407295.965	131.8095	1.7	CAMINO
2251	44.2443	89.5206	18.984	1076349.187	1407298.658	131.5992	1.7	CAMINO
2252	49.5627	89.5248	17.9245	1076349.621	1407296.633	131.593	1.7	CAMINO
2253	66.4846	89.5543	53.8098	1076385.36	1407306.304	131.6227	1.7	CAMINO
2254	64.115	89.554	54.3772	1076384.851	1407308.786	131.6243	1.7	CAMINO
2255	316.5717	89.5036	41.4008	1076307.633	1407315.33	131.6689	1.7	NIVEL
2256	317.0228	89.5039	40.3867	1076308.37	1407314.63	131.6655	1.7	NIVEL
2257	217.3442	90.033	40.7403	1076311.082	1407252.788	131.5141	1.7	NIVEL
2258	200.1652	88.5344	57.4222	1076316.039	1407231.226	132.6625	1.7	CULATA
2259	213.5759	89.3442	69.9985	1076296.834	1407227.014	133.2708	0.5	CULATA
2260	228.1329	88.4926	61.9186	1076289.766	1407243.821	132.4267	2.1	CULATA
2261	258.0916	89.5328	32.8239	1076303.788	1407278.333	131.618	1.7	NIVEL
2262	162.2002	89.1056	88.5869	1076475.613	1407247.717	133.7826	1.7	D-55 - D-55
2263	355.0631	89.3326	44.8243	1076444.837	1407376.76	132.8643	1.7	PZA
2264	351.5256	89.3538	45.0924	1076442.292	1407376.738	132.8375	1.7	PZA
2265	351.4219	89.4651	70.4119	1076438.487	1407401.771	132.7876	1.7	VIA
2266	346.5426	89.4545	70.9771	1076432.567	1407401.224	132.8125	1.7	VIA
2267	345.182	89.401	71.1041	1076430.609	1407400.869	132.9284	1.7	PARAMENTO
2268	356.3927	90.2803	62.4991	1076445.005	1407394.491	133.1079	0.6	COMANDO POLICIA
2269	248.2044	90.4826	35.2515	1076415.931	1407319.077	132.0212	1.7	D-55A - D-55B
2270	68.2044	88.2731	35.263	1076448.686	1407332.103	132.7298	1.7	D-55B - D-55A
2271	93.0711	88.0227	33.0717	1076448.936	1407317.296	132.9118	1.7	CERRAMIENTO
2272	36.5907	87.0119	12.19	1076423.249	1407328.805	132.4145	1.7	CULATA
2273	13.3731	88.0923	22.4568	1076421.206	1407340.893	132.5037	1.7	CULATA
2274	214.3924	88.0413	20.6182	1076404.223	1407302.12	132.4755	1.7	CERRAMIENTO
2275	357.4516	89.583	35.9792	1076414.501	1407355.027	131.7969	1.7	CULATA
2276	355.1303	89.1409	45.6551	1076412.099	1407364.566	132.3902	1.7	CULATA
2277	357.0309	89.2206	61.3764	1076412.741	1407380.366	132.4582	1.7	CULATA
2278	336.4733	92.0716	12.4796	1076411.01	1407330.536	131.3193	1.7	NIVEL
2279	339.253	89.1235	54.4532	1076396.768	1407370.041	132.5324	1.7	NIVEL
2280	346.0506	91.3625	25.3236	1076409.83	1407343.644	131.071	1.7	NIVEL
2281	1.4923	90.4315	28.2132	1076416.813	1407347.274	131.4263	1.7	NIVEL
2282	295.1045	91.0422	31.1666	1076387.723	1407332.318	131.1978	1.7	NIVEL
2283	295.1045	90.2548	51.19	1076369.594	1407340.828	131.3973	1.7	NIVEL
2284	293.3242	92.153	15.3779	1076401.841	1407325.207	131.1753	1.7	NIVEL
2285	66.2926	87.3736	14.2403	1076428.975	1407324.76	132.3709	1.7	CAMINO
2286	75.5534	87.3953	14.9506	1076430.419	1407322.717	132.3904	1.7	CAMINO
2287	138.4248	89.403	121.9272	1076486.611	1407612.956	131.609	1.7	D-51 - D-50
2288	231.5903	88.5611	58.1652	1076360.313	1407668.685	131.9964	1.7	D-51 - D-52
2289	51.5903	90.4106	58.1588	1076406.109	1407704.527	131.1264	1.7	D-52 - D-51

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2290	47.301	89.0614	5.0884	1076364.062	1407672.124	131.901	1.7	VIA
2291	277.0601	87.3629	2.4214	1076357.912	1407668.982	131.9225	1.7	VIA
2292	268.224	89.2155	17.321	1076343	1407668.185	132.0133	1.7	VIA
2293	90.3709	89.1405	8.501	1076368.813	1407668.598	131.9349	1.7	VIA
2294	135.2939	89.0207	11.5175	1076368.39	1407660.476	132.0153	1.7	VIA
2295	163.3121	88.4147	11.2132	1076363.499	1407657.937	132.0765	1.7	VIA
2296	221.2248	88.2739	5.3039	1076356.81	1407664.704	131.9639	1.7	VIA
2297	259.4241	89.5648	53.1161	1076308.056	1407659.168	131.8709	1.7	VIA
2298	254.3049	89.5649	53.3237	1076308.933	1407654.418	131.8709	1.7	VIA
2299	254.1115	89.1528	20.8457	1076340.261	1407662.994	132.0915	1.7	VIA
2300	252.2231	90.0151	51.5248	1076311.215	1407653.056	132.1938	1.3	PARAMENTO
2301	261.291	89.52	51.5915	1076309.294	1407661.018	132.3417	1.3	PARAMENTO
2302	249.2737	88.573	22.9055	1076338.871	1407660.637	132.6378	1.3	PARAMENTO
2303	244.3836	88.5724	22.8473	1076339.675	1407658.89	132.6374	1.3	PARAMENTO
2304	222.2224	88.43	7.8754	1076355.01	1407662.865	132.3978	1.3	PARAMENTO
2305	222.2322	88.4301	7.8797	1076355.005	1407662.863	131.9979	1.7	PARAMENTO
2306	271.2901	89.5643	20.2444	1076340.075	1407669.197	131.8408	1.7	PARAMENTO
2307	354.5746	90.0132	8.7662	1076359.538	1407677.417	131.8175	1.7	NIVEL
2308	14.0308	88.4237	6.2885	1076361.836	1407674.784	131.9629	1.7	NIVEL
2309	158.5515	89.2904	22.7201	1076368.496	1407647.49	132.0259	1.7	PARAMENTO
2310	144.5033	89.3217	40.4904	1076383.646	1407635.595	132.148	1.7	VIA
2311	138.0228	89.3827	40.8838	1076387.664	1407638.299	132.0778	1.7	VIA
2312	129.5824	89.3319	34.632	1076386.865	1407646.452	132.0902	1.7	PARAMENTO
2313	106.1828	89.1705	10.0912	1076369.999	1407665.857	131.9474	1.7	PARAMENTO
2314	67.5339	90.1255	22.5545	1076381.204	1407677.184	131.7367	1.7	PARAMENTO
2315	69.141	89.4327	164.5565	1076545.312	1407509.547	133.0287	1.7	D-CULATA - D- AUX
2316	148.3841	84.0555	38.3349	1076411.339	1407418.57	132.6761	5.2	CULATA
2317	133.3824	88.1841	18.5842	1076404.929	1407438.31	132.7821	1.7	MURO
2318	123.2316	90.3023	14.2244	1076403.359	1407443.301	132.1088	1.7	CULATA
2319	317.25	90.3941	6.3264	1076387.195	1407455.777	132.1615	1.7	CULATA
2320	331.2222	91.1448	32.8041	1076375.749	1407479.9	131.5209	1.7	CULATA
2321	331.1554	91.03	47.8176	1076368.47	1407493.031	131.3583	1.7	CULATA
2322	295.3113	91.3208	32.3114	1076362.322	1407465.021	131.3687	1.7	NIVEL
2323	308.452	91.2004	50.9071	1076351.773	1407482.959	131.0491	1.7	CERCA
2324	281.0151	91.1256	45.6387	1076346.688	1407459.827	131.2664	1.7	CERCA
2325	287.0532	90.5724	64.1518	1076330.158	1407469.94	131.1638	1.7	CERCA
2326	233.3236	95.1512	16.9818	1076377.883	1407441.066	130.6797	1.7	NIVEL
2327	217.4359	94.0343	6.1287	1076387.74	1407446.285	131.8004	1.7	NIVEL
2328	215.3551	90.4958	70.2191	1076350.642	1407394.008	131.2144	1.7	NIVEL
2329	222.0713	90.3122	90.2005	1076331.023	1407384.185	131.4121	1.7	NIVEL
2330	125.2157	91.1925	8.9829	1076398.805	1407445.928	132.027	1.7	NIVEL
2331	151.2536	96.2525	11.2578	1076396.835	1407441.301	130.975	1.7	NIVEL
2332	210.1304	89.042	42.1501	1076370.289	1407414.692	131.4172	3.2	NIVEL
2333	115.1912	89.5618	140.2845	1076406.107	1407704.528	131.1386	1.7	D-53 - D-51
2334	145.09	89.1328	18.5317	1076289.896	1407749.323	131.4374	1.5	PARAMENTO
2335	159.3832	89.2125	52.7671	1076297.682	1407715.066	131.779	1.5	PARAMENTO
2336	172.5705	88.5817	18.7144	1076281.605	1407745.955	131.3225	1.7	CERCA
2337	169.3909	89.1709	66.1968	1076291.225	1407699.415	131.8119	1.7	CERCA
2338	168.1802	89.2835	130.1477	1076305.761	1407637.1	132.1768	1.7	PARAMENTO
2339	162.3911	89.264	87.07	1076305.305	1407681.433	131.8313	1.7	PARAMENTO
2340	166.3235	89.2754	149.102	1076314.078	1407619.541	132.3803	1.7	PARAMENTO
2341	164.592	89.3633	161.6088	1076321.244	1407608.457	132.0905	1.7	PARAMENTO
2342	164.5839	89.3631	161.6246	1076321.279	1407608.45	132.2923	1.5	PARAMENTO
2343	164.4018	89.2837	128.329	1076313.291	1407640.784	132.1594	1.7	PARAMENTO
2344	165.1526	89.3145	151.5145	1076317.938	1407618.024	132.2333	1.7	VIA
2345	164.4241	89.3055	139.4485	1076316.144	1407630.036	132.1677	1.7	VIA
2346	165.4638	89.3145	131.0477	1076311.567	1407637.515	132.0649	1.7	PZA
2347	166.3956	89.3145	141.3148	1076311.967	1407627.042	132.1488	1.7	VIA
2348	165.0835	89.3011	128.5459	1076312.328	1407640.298	132.1027	1.7	VIA
2349	167.4624	89.3009	130.281	1076306.961	1407637.218	132.1189	1.7	VIA
2350	167.5734	89.2935	109.6859	1076302.24	1407657.268	131.9578	1.7	VIA
2351	164.2546	89.2948	97.2418	1076305.453	1407670.869	131.8412	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2352	167.4443	89.2313	48.9798	1076289.722	1407716.669	131.5108	1.7	VIA
2353	160.4939	89.2456	49.4762	1076295.573	1407717.803	131.4912	1.7	VIA
2354	169.543	88.5259	17.0594	1076282.297	1407747.733	131.319	1.7	VIA
2355	149.492	88.3534	17.3809	1076288.042	1407749.508	131.4133	1.7	VIA
2356	146.312	88.4137	13.4803	1076286.739	1407753.287	131.2938	1.7	VIA
2357	141.5108	88.1959	7.5282	1076283.95	1407758.608	131.2055	1.7	VIA
2358	177.5049	88.23	12.0937	1076279.76	1407752.443	131.3277	1.7	VIA
2359	151.0948	88.1312	13.2117	1076285.675	1407752.959	131.3969	1.7	PZA
2360	243.4954	88.5856	7.9132	1076272.2	1407761.03	131.1271	1.7	VIA
2361	289.4035	86.27	3.2524	1076276.242	1407765.615	131.1879	1.7	VIA
2362	309.384	90.1701	57.9869	1076234.627	1407801.495	130.6998	1.7	VIA
2363	314.081	90.1514	55.4998	1076239.446	1407803.149	130.7409	1.7	VIA
2364	314.381	90.1157	158.0896	1076166.743	1407875.533	130.4383	1.7	VIA
2365	316.2736	90.1302	157.5826	1076170.683	1407878.692	130.3911	1.7	VIA
2366	316.483	90.1841	181.632	1076154.909	1407896.873	130.0017	1.7	VIA
2367	318.2713	90.1641	177.4323	1076161.547	1407897.249	130.1271	1.7	VIA
2368	318.2609	90.1534	196.4161	1076148.903	1407911.409	130.0995	1.7	VIA
2369	316.4046	90.1306	159.2022	1076170.009	1407880.285	130.3818	1.7	PZA
2370	335.2626	90.0841	166.9761	1076209.898	1407916.393	130.567	1.7	D-53 - D-58
2371	334.4624	90.0841	129.0945	1076224.212	1407881.275	130.6617	1.7	NIVEL
2372	342.3748	90.121	99.1813	1076249.636	1407859.165	130.6363	1.7	NIVEL
2373	355.5305	89.5637	92.3924	1076272.616	1407856.674	130.578	2.2	NIVEL
2374	10.4647	90.1633	75.3842	1076293.356	1407838.585	130.6241	1.7	PARAMENTO
2375	6.2709	90.0854	82.4187	1076288.515	1407846.425	130.7738	1.7	CASA
2376	9.0606	90.1113	78.903	1076291.736	1407842.44	130.7296	1.7	CASA
2377	11.3223	90.1114	82.9896	1076295.855	1407845.845	130.716	1.7	CASA
2378	10.4318	90.1905	41.759	1076287.044	1407805.557	130.7548	1.7	NIVEL
2379	64.1315	90.1543	33.2657	1076309.245	1407779.008	130.8345	1.7	NIVEL
2380	67.2252	90.0258	57.1149	1076332.008	1407786.52	130.9373	1.7	CERRAMIENTO
2381	86.4411	90.0224	66.2611	1076345.45	1407768.333	130.9406	1.7	CERRAMIENTO
2382	103.1543	90.0105	85.8058	1076362.827	1407744.887	130.9599	1.7	PARAMENTO
2383	27.4429	90.2301	130.4288	1076339.944	1407879.992	130.1144	1.7	PARAMENTO
2384	302.0811	90.222	32.6026	1076251.682	1407781.85	130.7748	1.7	CERCA
2385	311.4215	89.5726	92.2226	1076210.412	1407825.839	131.0558	1.7	CERCA
2386	293.2437	91.0501	103.9706	1076183.881	1407805.771	130.4208	0.3	CERCA
2387	269.1303	90.0036	68.4487	1076210.857	1407763.55	130.975	1.7	CERCA
2388	224.0626	90.0021	53.2175	1076242.281	1407726.29	130.9813	1.7	CERCA
2389	275.0648	90.3644	122.4848	1076157.302	1407775.371	131.0788	0.3	NIVEL
2390	256.54	90.4102	111.3172	1076170.901	1407739.234	131.0585	0.3	NIVEL
2391	259.295	90.1806	155.901	1076126.028	1407736.019	131.367	0.5	NIVEL
2392	195.3057	90.0925	73.4186	1076259.699	1407693.77	130.7859	1.7	NIVEL
2393	207.4001	90.0913	86.6857	1076239.092	1407687.727	130.7545	1.7	NIVEL
2394	218.3157	90.0521	89.2983	1076223.709	1407694.638	130.8481	1.7	NIVEL
2395	200.1342	89.5137	167.6772	1076221.412	1407607.156	131.3973	1.7	D-53 - D-59
2396	20.1342	89.59	167.6818	1076279.301	1407764.528	131.2377	1.7	D-59 - D-53
2397	29.3857	89.5104	100.5791	1076271.118	1407694.594	131.2496	1.9	CULATA
2398	34.5057	90.0009	90.611	1076273.147	1407681.546	130.9839	1.9	CULATA
2399	37.4125	90.0603	75.203	1076267.357	1407666.692	131.0552	1.7	CULATA
2400	82.5815	90.4508	55.4957	1076276.482	1407613.978	130.6588	1.5	CULATA
2401	9.3759	90.125	79.5809	1076234.684	1407685.622	131.0905	1.5	CERCA
2402	23.1633	90.2421	60.1781	1076245.16	1407662.448	130.7613	1.7	CERCA
2403	58.4045	90.1806	31.6533	1076248.443	1407623.625	131.0208	1.7	CERCA
2404	141.0249	90.1151	35.5245	1076243.761	1407579.543	131.065	1.7	CERCA
2405	115.444	89.2127	24.8436	1076243.795	1407596.378	131.4659	1.7	CERCA
2406	186.3431	89.1821	40.2098	1076216.831	1407567.211	131.6746	1.7	CERCA
2407	154.4234	88.5056	14.9991	1076227.826	1407593.601	131.4886	1.7	CERCA
2408	201.1846	89.2502	58.2151	1076200.285	1407552.913	131.7797	1.7	CERCA
2409	215.0713	89.1903	19.3467	1076210.292	1407591.326	131.4178	1.7	CERCA
2410	202.3008	89.3609	81.1713	1076190.39	1407532.149	131.7509	1.7	CERCA
2411	229.3535	89.4441	62.822	1076173.599	1407566.407	131.4674	1.7	CERCA
2412	210.5224	89.4034	100.0522	1076170.121	1407521.253	131.7536	1.7	CERCA
2413	219.1439	89.4035	118.1615	1076146.713	1407515.604	131.8558	1.7	CERCA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2414	228.1142	89.4818	109.2485	1076140.018	1407534.285	131.5599	1.7	CERCA
2415	170.3234	89.5703	105.9232	1076238.875	1407502.682	131.9791	1	CORONA
2416	172.1832	89.3659	89.0486	1076233.379	1407518.917	131.7841	1.7	CORONA
2417	170.2428	89.4555	94.8265	1076237.267	1407513.665	131.5763	1.7	CORONA
2418	183.1841	89.2853	82.509	1076216.693	1407524.785	131.9346	1.7	CORONA
2419	170.39	90.0352	91.778	1076236.374	1407516.606	129.9847	2.8	CANAL
2420	164.4306	90.3734	78.983	1076242.271	1407530.982	130.2247	1.8	CANAL
2421	195.3724	89.3336	94.4078	1076196.039	1407516.225	131.9131	1.7	CORONA
2422	206.1654	89.4035	114.3623	1076170.833	1407504.588	131.8343	1.7	CORONA
2423	217.0621	89.4522	130.9194	1076142.49	1407502.701	131.7458	1.7	CORONA
2424	223.4919	89.4526	135.3236	1076127.768	1407509.468	131.7618	1.7	CORONA
2425	231.1704	90.0255	133.6013	1076117.216	1407523.535	131.0752	1.7	CORONA
2426	234.5444	90.0624	110.6664	1076130.893	1407543.49	130.9822	1.7	CORONA
2427	234.1154	89.5733	88.5078	1076149.657	1407555.34	131.251	1.7	CORONA
2428	237.2542	89.5159	52.8757	1076176.869	1407578.665	131.2107	1.8	CORONA
2429	240.075	89.4358	36.809	1076189.503	1407588.806	131.3591	1.7	CORONA
2430	276.5852	89.3728	16.1745	1076205.357	1407609.113	131.2934	1.7	CORONA
2431	354.3709	89.4321	33.891	1076218.215	1407640.895	131.3515	1.7	CORONA
2432	359.2053	89.4906	50.3624	1076220.811	1407657.515	131.3472	1.7	CORONA
2433	356.1944	89.5314	71.6466	1076216.784	1407678.653	131.3287	1.7	CORONA
2434	351.1534	89.5315	83.2881	1076208.709	1407689.469	131.3513	1.7	CORONA
2435	343.5907	90.0131	91.8217	1076196.03	1407695.4	131.1476	1.7	CORONA
2436	340.4333	90.132	107.918	1076185.732	1407709.004	130.7696	1.7	CORONA
2437	114.223	90.1117	56.4187	1076272.815	1407583.901	131.0023	1.7	D-59 - D-59A
2438	294.223	89.2229	56.4252	1076221.409	1407607.157	131.4083	1.7	D-59A - D-59
2439	63.2914	90.2223	19.4069	1076290.175	1407592.574	132.166	0.2	CULATA
2440	76.2241	87.5119	35.5184	1076307.305	1407592.279	132.1216	1.7	CULATA
2441	95.5347	88.1517	53.2011	1076325.713	1407578.468	132.4128	1.7	CULATA
2442	109.4103	88.1221	59.6862	1076328.997	1407563.838	132.6611	1.7	CULATA
2443	135.104	88.21	48.8487	1076307.254	1407549.286	132.1991	1.7	CULATA
2444	98.3119	87.5848	42.9979	1076315.315	1407577.557	132.3081	1.7	CERCA
2445	138.4054	88.5356	37.234	1076297.409	1407555.955	131.5078	1.7	NIVEL
2446	149.5052	90.3641	28.0956	1076286.94	1407559.616	130.4926	1.7	CERCA
2447	196.2812	88.53	41.2145	1076261.154	1407544.378	131.5956	1.7	CERCA
2448	146.4515	90.4527	57.2872	1076304.246	1407536.012	131.2351	0.5	CANAL
2449	211.0706	89.0618	58.7623	1076242.478	1407533.583	131.7104	1.7	CERCA
2450	161.0306	90.3207	44.858	1076287.404	1407541.484	130.5733	1.5	CANAL
2451	182.574	90.2203	45.7629	1076270.477	1407538.199	130.399	1.8	CANAL
2452	231.1433	88.4325	43.4793	1076238.933	1407556.669	131.761	1.7	NIVEL
2453	195.4903	90.2843	51.2214	1076258.881	1407534.613	130.3646	1.7	CANAL
2454	186.1557	87.4529	14.2674	1076271.267	1407569.729	131.3504	1.7	NIVEL
2455	195.4424	90.3036	71.2307	1076253.531	1407515.333	131.8587	0	NIVEL
2456	178.2953	90.4417	55.9015	1076274.311	1407528.024	131.7725	0	NIVEL
2457	178.2954	90.3235	75.9453	1076274.848	1407507.986	131.5729	0.2	NIVEL
2458	157.0534	90.4856	55.884	1076294.594	1407532.442	131.2971	0.4	NIVEL
2459	157.0535	90.3614	75.8962	1076302.394	1407514.011	131.2927	0.4	NIVEL
2460	87.3542	89.2806	8.2653	1076281.072	1407584.252	130.869	1.7	NIVEL
2461	80.3555	85.5833	15.4834	1076288.051	1407586.432	131.8789	1.7	NIVEL
2462	237.5847	90.0433	166.3024	1076345.657	1407524.704	131.2425	1.7	CULATA
2463	237.5846	90.1318	186.3036	1076328.706	1407514.089	130.7428	1.7	NIVEL
2464	237.5302	90.1615	216.2523	1076303.515	1407497.89	130.442	1.7	NIVEL
2465	155.2625	89.4127	166.9713	1076279.298	1407764.531	131.2147	1.75	D-58 - D-53
2466	225.1901	89.5641	54.4057	1076171.236	1407878.114	130.4145	1.7	VIA
2467	230.0233	90.0201	53.5195	1076168.893	1407881.999	130.3308	1.7	VIA
2468	230.3226	90.1226	38.8916	1076179.885	1407891.659	130.2215	1.7	VIA
2469	225.2145	90.1038	38.0306	1076182.852	1407889.657	130.2444	1.7	VIA
2470	228.4251	90.0011	27.368	1076189.343	1407898.324	130.3607	1.7	VIA
2471	63.4304	88.2202	11.4355	1076220.144	1407921.46	130.6878	1.7	VIA
2472	50.5548	88.1517	10.8603	1076218.322	1407923.24	130.6928	1.7	VIA
2473	29.4214	89.5432	72.7296	1076245.9	1407979.586	130.4781	1.7	PARAMENTO
2474	45.444	90.2603	55.2822	1076249.47	1407954.994	130.3433	1.3	PARAMENTO
2475	58.5348	89.5534	86.2333	1076283.708	1407960.982	130.4736	1.7	PARAMENTO



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2476	70.4733	90.1139	114.2865	1076317.8	1407954.053	129.9753	1.7	NIVEL
2477	60.2508	90.0824	110.8519	1076306.27	1407971.17	130.0921	1.7	NIVEL
2478	60.1942	90.1637	141.5266	1076332.826	1407986.522	129.6796	1.7	NIVEL
2479	70.2709	90.124	153.821	1076354.823	1407967.941	129.7968	1.7	CUARTO DE BOMBAS
2480	72.1626	90.124	161.2812	1076363.493	1407965.585	129.7693	1.7	CUARTO DE BOMBAS
2481	70.3928	89.0449	164.0625	1076364.649	1407970.813	129.6977	5	CUARTO DE BOMBAS
2482	60.1253	90.2109	157.3809	1076346.44	1407994.648	129.595	1.5	NIVEL
2483	22.2958	90.3449	89.8613	1076244.237	1407999.43	129.4524	1.7	CERCA
2484	22.1808	90.2458	160.0613	1076270.554	1408064.512	128.1012	2.8	NIVEL
2485	8.4516	90.3844	73.6776	1076221.07	1407989.214	129.5323	1.7	CERCA
2486	11.1723	90.401	173.3937	1076243.745	1408086.439	128.3384	1.7	NIVEL
2487	338.0321	90.5852	49.6623	1076191.315	1407962.44	129.5118	1.7	CERCA
2488	0.2551	90.3325	196.0484	1076211.261	1408112.427	128.4585	1.7	NIVEL
2489	351.4641	90.3018	203.6868	1076180.656	1408117.962	128.5698	1.7	CERCA
2490	351.4642	90.372	183.6805	1076183.53	1408098.16	128.3696	1.7	CERCA
2491	348.4442	90.4045	192.2138	1076172.278	1408104.876	128.7859	1	CERCA
2492	348.4442	90.3656	212.2192	1076168.362	1408124.495	128.785	1	CERCA
2493	309.4056	91.2146	51.6516	1076170.139	1407949.342	129.1338	1.7	CERCA
2494	290.5521	90.212	63.724	1076150.364	1407939.115	129.9668	1.7	CERCA
2495	344.5842	90.3139	197.5181	1076158.598	1408107.124	128.8464	1.4	CULATA
2497	342.4619	90.4014	177.0115	1076157.379	1408085.421	128.9929	1	CULATA
2498	322.4154	90.22	148.1028	1076120.081	1408034.149	129.4158	1.7	CERCA
2499	337.3502	90.4741	158.1575	1076149.511	1408062.552	128.3704	1.5	CULATA
2500	322.2401	90.1608	168.9612	1076106.807	1408050.257	129.571	1.7	D-58 - D-60
2501	325.2014	90.4317	109.0582	1076147.825	1408006.053	128.9895	1.7	NIVEL
2502	347.4017	90.5104	107.4412	1076186.9	1408021.332	128.7667	1.7	NIVEL
2503	6.0344	90.5043	124.227	1076222.945	1408039.919	128.5302	1.7	NIVEL
2504	322.3805	90.1835	154.9528	1076115.789	1408039.491	129.5264	1.7	VIA
2505	322.2805	90.1835	165.3994	1076109.063	1408047.498	129.4695	1.7	VIA
2506	317.481	90.2012	143.1809	1076113.667	1408022.41	129.5218	1.7	VIA
2507	319.4225	90.1855	139.7648	1076119.453	1408022.945	129.5945	1.7	VIA
2508	309.4102	90.1903	100.6496	1076132.405	1407980.618	129.8049	1.7	VIA
2509	306.1112	90.1653	102.488	1076127.146	1407976.856	129.8593	1.7	VIA
2510	310.5106	90.1533	102.253	1076132.516	1407983.232	129.8999	1.7	PZA
2511	285.3921	90.1823	71.4821	1076141.058	1407935.644	129.98	1.7	VIA
2512	285.5414	90.1824	64.9583	1076147.417	1407934.158	130.0146	1.7	VIA
2513	253.23	90.1609	58.652	1076153.705	1407899.589	130.0868	1.7	ALCANTARILLA
2514	254.4601	90.1326	58.9208	1076153.056	1407900.88	130.1321	1.7	ALCANTARILLA
2515	253.3741	91.2429	58.8121	1076153.497	1407899.789	128.9172	1.7	ALCANTARILLA
2516	258.4019	90.1447	53.7115	1076157.239	1407905.813	130.1312	1.7	ALCANTARILLA
2517	257.1935	90.1626	53.546	1076157.664	1407904.616	130.1061	1.7	ALCANTARILLA
2518	258.1107	91.5107	53.4363	1076157.627	1407905.428	128.6354	1.7	ALCANTARILLA
2519	248.2746	90.3352	72.6451	1076142.343	1407889.688	129.6466	1.7	NIVEL
2520	248.2702	90.3359	92.6768	1076123.722	1407882.305	129.4463	1.7	NIVEL
2521	232.5115	90.0341	71.566	1076152.877	1407873.146	130.2856	1.7	CASA
2522	233.1449	89.5347	63.2889	1076159.211	1407878.494	130.4767	1.7	PARAMENTO
2523	224.1249	89.5606	63.1714	1076165.872	1407871.09	130.4339	1.7	CASA
2524	196.2942	89.344	73.7381	1076189.002	1407845.68	130.9058	1.7	CASA
2525	208.3315	89.2918	67.0001	1076177.907	1407857.527	130.9607	1.7	NIVEL
2526	210.2959	89.4227	75.4874	1076171.623	1407851.33	130.7478	1.7	CASA
2527	217.3011	90.2514	95.2969	1076151.925	1407840.761	129.6632	1.7	NIVEL
2528	217.2505	90.0111	119.9627	1076137.059	1407821.075	130.3217	1.7	NIVEL
2529	217.2504	90.0533	149.9487	1076118.853	1407797.248	130.1216	1.7	NIVEL
2530	211.1926	90.1746	97.8865	1076159.057	1407832.747	129.8566	1.7	NIVEL
2531	211.0807	90.0712	133.7147	1076140.824	1407801.901	130.0834	1.7	NIVEL
2532	211.0804	90.093	173.6792	1076120.182	1407767.681	129.8838	1.7	NIVEL
2533	291.5058	90.1129	97.0776	1076119.774	1407952.471	130.0383	1.7	NIVEL
2534	292.1739	90.0812	140.8151	1076079.579	1407969.739	130.0272	1.7	NIVEL
2535	292.1928	90.0502	163.3445	1076058.761	1407978.354	130.1244	1.7	D-58 - D-58A
2536	9.2655	90.1224	17.9703	1076212.838	1407934.121	130.2972	1.7	CERRAMIENTO
2537	98.3211	89.4209	19.04	1076228.728	1407913.578	130.4609	1.7	CERRAMIENTO
2538	120.2858	89.3458	35.9591	1076240.896	1407898.17	130.6239	1.7	CERRAMIENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2539	112.1929	89.445	163.3434	1076209.895	1407916.394	130.5169	1.8	D-58A - D-58
2540	8.3531	90.384	25.448	1076062.549	1408003.517	129.5082	1.8	NIVEL
2541	353.3633	90.271	57.2653	1076052.355	1408035.258	129.3422	1.8	NIVEL
2542	280.0735	89.4104	23.0879	1076036.031	1407982.4	129.9216	1.8	NIVEL
2543	8.5317	90.1417	73.5976	1076070.091	1408051.074	129.4889	1.8	CULATA
2544	358.0142	90.1459	82.4107	1076055.879	1408060.714	129.4358	1.8	NIVEL
2545	326.3423	90.1538	54.4187	1076028.758	1408023.754	129.6272	1.7	NIVEL
2546	325.3829	90.29	90.0673	1076007.89	1408052.675	129.115	1.7	NIVEL
2547	273.3156	90.011	49.6199	1076009.234	1407981.383	129.8578	1.7	NIVEL
2548	333.3428	90.1613	101.3265	1076013.617	1408069.067	129.3973	1.7	CORONA
2549	318.3114	90.2924	105.9519	1075988.541	1408057.69	128.9693	1.7	CORONA
2550	273.3814	89.5427	87.5711	1075971.364	1407983.86	130.0162	1.7	NIVEL
2551	312.2824	90.1632	126.4121	1075965.473	1408063.659	129.2674	1.7	CORONA
2552	305.2232	90.075	151.9291	1075934.833	1408066.241	129.5297	1.7	CORONA
2553	274.0901	90.0103	132.9844	1075926.12	1407987.903	129.8353	1.7	NIVEL
2554	290.2229	90.0526	175.9252	1075893.808	1408039.51	129.5982	1.7	CORONA
2555	284.2752	90.0212	168.1529	1075895.915	1408020.262	129.769	1.7	CORONA
2556	270.4951	90.0206	147.1338	1075911.642	1407980.404	129.7858	1.7	CORONA
2557	253.0918	89.5338	113.5655	1075950.087	1407945.383	130.0854	1.7	NIVEL
2558	237.2339	89.5355	108.0105	1075967.807	1407920.101	130.0663	1.7	CORONA
2559	244.444	89.512	78.3708	1075987.901	1407944.876	130.0723	1.7	CORONA
2560	247.5217	90.1926	53.9982	1076008.753	1407957.986	130.2694	1	CORONA
2561	239.1835	89.1657	34.9432	1076028.725	1407960.503	130.312	1.7	CORONA
2562	212.4748	89.0136	23.0745	1076046.275	1407958.953	130.2664	1.7	CORONA
2563	164.315	89.0525	27.1594	1076066.019	1407952.186	130.3056	1.7	CORONA
2564	148.1413	89.2815	48.7424	1076084.442	1407936.928	130.3247	1.7	CORONA
2565	142.24	89.3419	168.9632	1076209.896	1407916.393	130.56	1.75	D-60 - D-58
2566	179.2654	88.4419	11.8157	1076106.927	1408038.445	129.6061	1.7	CERCA
2567	206.2108	88.2635	12.4789	1076101.276	1408039.076	129.6851	1.7	PARAMENTO
2568	223.5823	87.3532	6.5675	1076102.253	1408045.532	129.6219	1.7	PARAMENTO
2569	264.4442	89.114	21.7295	1076085.172	1408048.255	129.6516	1.7	PARAMENTO
2570	284.3846	88.5543	21.8476	1076085.67	1408055.768	129.7545	1.7	PARAMENTO
2571	285.0556	89.0446	20.4191	1076087.092	1408055.564	129.6741	1.7	PARAMENTO
2572	294.4752	88.2754	21.1962	1076087.567	1408059.133	129.9138	1.7	PARAMENTO
2573	309.3515	89.4625	48.1474	1076069.685	1408080.918	129.5363	1.7	CULATA
2574	314.5856	89.2003	38.9666	1076079.231	1408077.784	129.7989	1.7	PARAMENTO
2575	333.5139	88.4303	48.4041	1076085.463	1408093.688	130.0296	2.1	PARAMENTO
2576	344.5211	89.4009	45.803	1076094.827	1408094.465	129.6106	1.7	PROY.PARAMENTO
2577	351.5221	89.4142	43.3241	1076100.657	1408093.142	129.5768	1.7	PARAMENTO
2578	358.4339	89.4646	64.8851	1076105.329	1408115.125	129.596	1.7	PARAMENTO
2579	6.2945	89.4229	46.9095	1076112.087	1408096.868	129.5852	1.7	CERCA
2580	8.1635	89.5032	68.1392	1076116.577	1408117.692	129.5338	1.7	CERCA
2581	9.5212	89.5423	67.3808	1076118.319	1408116.647	129.4565	1.7	CERCA
2582	10.5915	89.5909	104.2564	1076126.62	1408152.613	129.3727	1.7	CERCA
2583	353.4416	87.0355	66.7683	1076099.496	1408116.536	129.4648	5	PARAMENTO
2584	351.5242	87.3727	72.4471	1076096.54	1408121.91	129.6494	4.4	CASA
2585	345.5549	87.0744	58.9273	1076092.467	1408107.336	129.5977	4.4	CASA
2586	342.0209	87.1429	61.7478	1076087.751	1408108.915	129.618	4.4	PARAMENTO
2587	335.2919	88.4955	59.4464	1076082.118	1408104.321	129.3579	2.9	CULATA
2588	16.1854	90.0905	114.0773	1076138.791	1408159.758	129.0454	1.7	CERCA
2589	17.5347	90.0028	72.8621	1076129.157	1408119.606	129.3366	1.7	CERCA
2590	19.1702	89.5844	73.2621	1076130.962	1408119.422	129.3733	1.7	PARAMENTO
2591	21.4027	89.5847	62.7979	1076129.967	1408108.628	129.3684	1.7	PARAMENTO
2592	26.0437	89.3407	63.8412	1076134.836	1408107.614	129.827	1.7	PARAMENTO
2593	23.0824	89.0629	49.4301	1076126.204	1408095.716	130.1156	1.7	PARAMENTO
2594	41.1044	88.0938	20.8614	1076120.526	1408065.958	130.0156	1.7	PARAMENTO
2595	45.5748	87.3558	22.1277	1076122.692	1408065.634	130.2729	1.7	PARAMENTO
2596	70.2729	89.5052	15.8321	1076121.724	1408055.561	129.3881	1.7	PARAMENTO
2597	84.4029	90.5204	34.1353	1076140.789	1408053.444	128.829	1.7	PARAMENTO
2598	314.3009	89.1328	26.3742	1076087.987	1408068.731	129.7031	1.7	ZONA DURA
2599	344.5243	88.5033	15.7149	1076102.7	1408065.422	129.6635	1.7	ZONA DURA
2600	357.5207	89.1607	29.918	1076105.677	1408080.151	129.7279	1.7	ZONA DURA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2601	165.3144	89.1423	12.24	1076109.872	1408038.408	129.5084	1.7	VIA
2602	142.4621	89.2707	15.0894	1076115.942	1408038.248	129.4904	1.7	VIA
2603	19.0726	89.0149	10.1503	1076110.126	1408059.848	129.5178	1.7	VIA
2604	43.2101	89.3947	12.648	1076115.484	1408059.459	129.4204	1.7	VIA
2605	11.5652	89.5938	56.6863	1076118.511	1408105.722	129.3523	1.7	VIA
2606	18.0116	89.5835	58.0682	1076124.74	1408105.486	129.3703	1.7	VIA
2607	11.4727	90.0127	107.4906	1076128.712	1408155.492	129.3016	1.7	VIA
2608	14.1845	89.5751	108.8901	1076133.666	1408155.782	129.4149	1.7	VIA
2609	11.1101	89.5429	128.4475	1076131.72	1408176.265	129.5535	1.7	D-60 - D-61
2610	191.1101	89.5254	128.4474	1076106.807	1408050.257	129.5449	1.75	D-61 - D-60
2611	155.1631	91.0357	65.2398	1076159.036	1408117.032	129.3154	0.5	CASA
2612	160.4738	91.0829	61.8822	1076152.106	1408117.85	129.2959	0.5	CASA
2613	164.0558	90.174	69.5028	1076150.799	1408109.433	128.9718	1.7	CASA
2614	164.5441	90.1757	82.1831	1076153.158	1408096.928	128.8998	1.7	CULATA
2615	137.1814	91.0221	43.2777	1076161.08	1408144.48	128.9436	1.3	CULATA
2616	134.4655	90.3734	57.9299	1076172.859	1408135.484	128.8956	1.5	CULATA
2617	105.2722	90.5908	40.2218	1076170.488	1408165.569	129.0368	1.3	CULATA
2618	72.2023	90.3126	46.3315	1076175.858	1408190.345	128.905	1.7	CULATA
2619	109.0506	90.2533	65.1696	1076193.318	1408154.992	128.8444	1.7	CORONA
2620	93.4255	91.0207	53.4703	1076185.071	1408172.831	128.3625	1.7	CORONA
2621	36.3445	91.352	35.1045	1076152.616	1408204.456	128.3551	1.7	NIVEL
2622	8.0342	90.5048	60.2178	1076140.13	1408235.886	128.8388	1.3	NIVEL
2623	37.2504	90.2912	78.9652	1076179.664	1408239.006	128.6583	1.7	CORONA
2624	27.3046	90.1341	111.0142	1076182.946	1408274.753	128.8873	1.7	CORONA
2625	22.4646	90.0542	117.942	1076177.323	1408285.034	128.8341	2	CORONA
2626	6.2203	90.4326	34.8235	1076135.562	1408210.873	128.8886	1.7	CASA
2627	2.1138	90.3231	31.6444	1076132.913	1408207.886	129.0293	1.7	CASA
2628	192.0135	84.5426	2.048	1076131.296	1408174.27	129.5103	1.7	VIA
2629	210.5311	89.5559	10.0563	1076126.563	1408167.632	129.3402	1.7	VIA
2630	331.5412	88.3518	18.4186	1076123.039	1408192.503	129.7823	1.7	VIA
2631	296.1751	89.0442	15.8731	1076117.488	1408183.288	129.5839	1.7	VIA
2632	327.5232	87.4219	35.9373	1076112.608	1408206.665	130.7675	1.7	VIA
2633	312.4428	87.5526	40.7258	1076101.814	1408203.87	130.804	1.7	VIA
2634	320.1651	87.2723	57.1523	1076095.209	1408220.162	131.865	1.7	PUENTE
2635	313.3107	86.4851	54.041	1076092.572	1408213.397	132.3319	1.7	PUENTE
2636	305.3628	87.5	79.2547	1076067.304	1408222.34	132.3251	1.7	PUENTE
2637	310.2747	87.5444	81.3857	1076069.811	1408229.011	132.2938	1.7	PUENTE
2638	307.4724	87.4321	70.9258	1076075.715	1408219.692	132.1473	1.7	D-61 - D-62
2639	301.0422	89.3829	51.8593	1076087.288	1408203.005	129.6533	1.7	CORONA
2640	299.1012	89.3831	26.4514	1076108.616	1408189.144	129.4939	1.7	CERCA
2641	251.4008	89.1854	9.7527	1076122.465	1408173.193	129.4451	1.7	CERCA
2642	192.1303	89.1615	22.1551	1076127.044	1408154.611	129.6105	1.7	CERCA
2643	272.3413	90.1055	45.8815	1076085.884	1408178.297	129.1829	1.7	NIVEL
2644	208.4617	89.4624	40.2742	1076112.356	1408140.952	129.4879	1.7	CASA
2645	209.5142	90.0754	36.0308	1076113.798	1408145.008	129.5457	1.4	CASA
2646	227.3621	91.2337	39.5877	1076102.507	1408149.565	129.5657	0.5	CASA
2647	236.0145	90.0112	53.6059	1076087.281	1408146.286	129.3099	1.7	CASA
2648	236.012	89.5922	68.3338	1076075.076	1408138.043	129.3415	1.7	CORONA
2649	252.1928	90.2043	51.3435	1076082.81	1408160.648	129.4192	1.3	NIVEL
2650	259.2414	90.0836	68.5805	1076064.316	1408163.616	129.1571	1.7	CORONA
2651	127.4725	91.5603	70.9134	1076131.723	1408176.263	129.559	1.7	D-62 - D-61
2652	60.1113	92.0157	85.6005	1076149.915	1408262.265	128.9168	1.7	CORONA
2653	69.0402	92.3542	67.1828	1076138.385	1408243.706	128.9108	1.7	CORONA
2654	70.3556	92.5826	59.1996	1076131.466	1408239.362	128.8812	1.7	CORONA
2655	75.1327	93.1633	53.4218	1076127.278	1408233.324	128.8997	1.7	CORONA
2656	74.3906	94.2937	42.4096	1076116.48	1408230.906	129.0297	1.3	CORONA
2657	89.2924	92.2716	68.4812	1076144.13	1408220.34	128.7198	2	PZA
2658	88.2913	92.4101	58.8255	1076134.454	1408221.277	128.8982	2	CASA
2659	88.0021	93.0436	56.7408	1076132.338	1408221.696	128.707	1.9	CASA
2660	89.1615	93.1903	54.6769	1076130.295	1408220.418	128.7885	1.7	CASA
2661	91.1	93.0702	56.3868	1076132.007	1408218.578	128.8863	1.7	CASA
2662	96.4259	93.2428	52.0033	1076127.273	1408213.65	128.8613	1.7	CASA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2663	86.4934	93.2229	20.0223	1076095.671	1408220.81	130.9737	1.5	CORONA
2664	89.5639	94.0137	33.3491	1076108.981	1408219.743	129.6104	1.7	INIC.TUBOS
2665	88.1503	92.5514	30.9701	1076106.63	1408220.654	129.2744	2.8	TORRE
2666	87.033	93.2828	29.9808	1076105.6	1408221.245	129.2354	2.6	TORRE
2667	85.3707	93.2622	30.6911	1076106.26	1408222.05	129.211	2.6	TORRE
2668	83.2824	91.5933	28.1144	1076103.628	1408222.902	130.9748	1.7	ALT.TUBO
2669	85.2212	91.093	18.3733	1076094.023	1408221.185	131.5809	1.7	MURO ALETA
2670	85.5756	90.5912	18.6776	1076094.342	1408221.017	131.6307	1.7	MURO ALETA
2671	80.2158	94.4353	23.0236	1076098.334	1408223.545	130.0532	1.7	MURO ALETA
2672	331.3301	88.2139	11.0612	1076070.442	1408229.41	132.2687	1.7	MURO ALETA
2673	333.1004	94.294	16.0006	1076068.506	1408233.922	130.5984	1.8	MURO ALETA
2674	113.0523	88.5121	17.6589	1076091.959	1408212.777	132.305	1.7	MURO ALETA
2675	121.551	94.0526	21.7073	1076094.099	1408208.255	130.4039	1.7	MURO ALETA
2676	121.0606	94.0134	21.8351	1076094.371	1408208.451	130.4193	1.7	MURO ALETA
2677	301.2901	91.5343	28.0082	1076051.834	1408234.298	131.0261	1.7	VIA
2678	288.5952	91.5923	26.5234	1076050.646	1408228.307	131.0314	1.7	VIA
2679	293.1548	92.4738	49.6299	1076030.163	1408239.245	129.5334	1.7	VIA
2680	292.3621	92.3847	55.8433	1076024.205	1408241.106	129.374	1.7	VIA
2681	281.4712	91.1209	57.7505	1076019.188	1408231.454	129.6406	2.8	VIA
2682	294.1255	92.4623	52.5875	1076027.798	1408241.209	129.4082	1.7	D-62 - D-63
2683	288.2854	91.2639	87.4415	1075992.794	1408247.356	129.749	1.7	VIA
2684	283.5853	91.2537	86.9677	1075991.338	1408240.65	129.7872	1.7	VIA
2685	284.3606	90.5011	115.8029	1075963.647	1408248.819	130.2626	1.7	VIA
2686	288.5648	90.5712	115.5118	1075966.455	1408257.13	130.0311	1.7	VIA
2687	288.5324	90.3003	166.3383	1075918.311	1408273.453	130.4998	1.7	PZA
2688	286.3207	90.3005	179.3461	1075903.763	1408270.636	130.3854	1.7	VIA
2689	290.0411	90.465	187.1985	1075899.864	1408283.826	129.4046	1.7	ALCANTARILLA
2690	289.2711	90.3155	188.2125	1075898.219	1408282.27	130.2071	1.7	ALCANTARILLA
2691	289.3024	90.3023	189.6344	1075896.936	1408282.91	130.2792	1.7	ALCANTARILLA
2692	290.0745	90.4832	190.6944	1075896.649	1408285.209	129.2626	1.7	ALCANTARILLA
2693	289.2952	90.5433	188.9554	1075897.582	1408282.651	128.9561	1.7	BATEA TUBO
2694	287.3044	90.2203	218.2308	1075867.565	1408285.24	130.5561	1.7	VIA
2695	289.224	90.2417	217.8937	1075870.128	1408291.87	130.4163	1.7	VIA
2696	289.4609	90.1349	237.1908	1075852.459	1408299.791	131.0029	1.7	VIA
2697	287.3738	90.1449	237.1351	1075849.675	1408291.373	130.9342	1.7	VIA
2698	287.5534	90.0956	259.8848	1075828.402	1408299.541	131.2066	1.7	VIA
2699	287.4017	90.0958	267.8181	1075820.489	1408300.845	131.18	1.7	VIA
2700	290.095	90.0955	267.3305	1075824.717	1408311.7	131.1864	1.7	VIA
2701	289.2301	90.2518	214.1666	1075873.652	1408290.655	130.3797	1.7	D-62 - D-64
2702	290.1409	90.0044	297.3839	1075796.628	1408322.394	131.8952	1.7	VIA
2703	287.5747	90.0112	299.2176	1075791.03	1408311.811	131.8534	1.7	VIA
2704	290.3347	89.49	343.3974	1075754.13	1408340.123	134.7592	0	VIA
2705	290.2049	89.4349	349.6099	1075747.854	1408341.066	135.3068	0	VIA
2706	288.2542	89.3213	346.3752	1075747.05	1408328.998	134.7589	1.7	VIA
2707	288.5234	89.243	354.7406	1075740.005	1408334.262	135.6246	1.7	VIA
2708	290.1655	88.5149	401.7586	1075698.862	1408358.717	139.932	1.7	VIA
2709	289.065	88.5131	401.9793	1075695.898	1408351.078	139.9714	1.7	VIA
2710	289.4501	88.3105	435.3237	1075666.137	1408366.748	143.2233	1.7	D-62 - D-65
2711	265.0908	91.5536	58.4096	1076017.55	1408214.726	129.9888	1.7	CULATA
2712	264.0949	91.1836	66.0605	1076010.017	1408212.939	130.4424	1.7	CULATA
2713	267.0004	90.1614	75.0823	1076000.738	1408215.722	130.4982	2.8	CULATA
2714	263.1524	91.111	86.8578	1075989.482	1408209.446	130.155	1.7	CULATA
2715	264.2113	89.5603	94.8978	1075981.283	1408210.302	132.0622	1.7	CULATA
2716	247.2227	91.2455	84.4443	1075997.812	1408187.171	129.867	1.7	CASA
2717	247.2401	91.2428	89.5709	1075993.066	1408185.234	130.1525	1.3	CASA
2718	238.4808	92.5112	74.9192	1076011.731	1408180.896	129.8232	0.1	CASA
2719	229.4536	92.1612	69.0234	1076023.093	1408175.109	129.2188	1.7	CASA
2720	227.3645	92.0905	75.9407	1076019.693	1408168.501	129.1017	1.7	CASA
2721	212.3418	92.3905	70.6091	1076037.776	1408160.231	128.6863	1.7	CORONA
2722	222.5733	93.0012	61.0421	1076034.198	1408175.057	128.7543	1.7	CORONA
2723	241.5437	93.3728	48.9793	1076032.604	1408196.652	128.8563	1.7	CORONA
2724	249.2116	96.0715	39.0358	1076039.402	1408205.986	127.7902	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2725	258.151	97.2005	22.5621	1076053.808	1408215.124	129.0719	1.7	CORONA
2726	218.2031	91.5533	101.3683	1076012.911	1408140.196	128.5466	1.7	CORONA
2727	212.0936	92.0528	88.301	1076028.787	1408144.963	128.7308	1.7	CORONA
2728	208.0637	90.3433	81.5563	1076037.33	1408147.738	128.9331	3.9	CORONA
2729	273.4554	93.2609	39.9499	1076035.921	1408222.288	129.5582	1.7	CERRAMIENTO
2730	240.2726	92.3337	62.4907	1076021.42	1408188.879	129.161	1.7	CERRAMIENTO
2731	309.4056	94.3253	28.9495	1076053.495	1408238.106	129.1568	2.2	CASA
2732	328.5629	89.0252	16.5853	1076067.151	1408233.893	130.128	3.8	CULATA
2733	346.4743	96.5425	22.1368	1076070.682	1408241.084	129.2902	1.7	CULATA
2734	350.5024	93.5744	21.7252	1076072.252	1408241.087	129.3512	2.8	SALIDA TUBO
2735	356.0054	94.1046	19.7302	1076074.336	1408239.322	129.3143	2.9	TORRE
2736	358.361	98.5327	19.2922	1076075.239	1408238.747	129.3707	1.3	TORRE
2737	359.5501	97.0608	19.9752	1076075.675	1408239.514	129.1826	2	TORRE
2738	9.3527	98.0557	18.24	1076078.713	1408237.499	130.9825	0.1	ALTURA,TUBO
2739	18.3842	97.5327	29.3402	1076084.99	1408247.234	129.1243	0.5	CAMINO
2740	21.2643	96.5713	26.8947	1076085.461	1408244.546	129.0963	1.3	CAMINO
2741	28.2509	97.1329	34.6039	1076092.035	1408249.893	127.6005	1.7	CAMINO
2742	33.2508	97.5602	34.2947	1076094.406	1408248.053	127.2187	1.7	CAMINO
2743	41.0353	98.4105	44.2484	1076104.43	1408252.688	125.2711	1.7	CAMINO
2744	39.2031	97.4642	48.6988	1076106.282	1408257.025	125.3615	1.7	CAMINO
2745	114.1255	86.4304	52.6125	1076075.715	1408219.692	132.1657	1.7	D-63 - D-62
2746	295.5933	89.4502	37.5493	1075994.038	1408257.646	129.3168	1.7	PARAMENTO
2747	306.3951	88.0756	14.5985	1076016.089	1408249.915	129.629	1.7	PARAMENTO
2748	316.5705	87.1901	9.4701	1076021.337	1408248.118	129.5965	1.7	PARAMENTO
2749	351.4631	88.0656	16.7781	1076025.39	1408257.804	129.7049	1.7	PARAMENTO
2750	338.0901	88.1739	20.3101	1076020.232	1408260.048	129.7578	1.7	PARAMENTO
2751	340.3748	89.1809	26.1143	1076019.124	1408265.839	129.4712	1.7	CORRAL
2752	12.1235	89.4839	18.7845	1076031.761	1408259.571	129.2153	1.7	CORRAL
2753	20.3023	90.0626	40.4785	1076041.957	1408279.131	129.0775	1.7	CORRAL
2754	60.475	90.1733	15.2559	1076041.111	1408248.66	129.0753	1.7	PARAMENTO
2755	82.2452	90.0053	24.7344	1076052.314	1408244.488	129.1468	1.7	PARAMENTO
2756	39.2938	90.254	42.0685	1076054.534	1408273.687	129.1392	1.4	PARAMENTO
2757	27.2018	90.0003	48.0396	1076049.836	1408283.896	129.1526	1.7	D-63 - D-66
2758	269.2644	88.5256	47.1442	1075980.665	1408240.726	130.0731	1.7	ALCANTARILLA
2759	271.282	88.2354	48.0018	1075979.83	1408242.415	130.495	1.7	ALCANTARILLA
2760	271.5617	88.201	49.7623	1075978.084	1408242.863	130.5984	1.7	ALCANTARILLA
2761	270.4946	88.515	51.2348	1075976.578	1408241.922	130.1692	1.7	ALCANTARILLA
2762	271.0239	89.4714	49.0084	1075978.798	1408242.075	129.3353	1.7	NIVEL
2763	284.5916	89.2254	45.2004	1075984.131	1408252.873	129.641	1.7	NIVEL
2764	283.1933	88.3317	46.4415	1075982.615	1408251.884	130.3246	1.7	NIVEL
2765	283.3225	88.383	48.1665	1075980.977	1408252.457	130.295	1.7	NIVEL
2766	285.2629	89.3848	49.3382	1075980.234	1408254.319	129.4576	1.7	NIVEL
2767	284.3336	90.1938	46.976	1075982.325	1408252.993	128.8851	1.7	NIVEL
2768	286.5332	89.2946	55.9413	1075974.263	1408257.433	129.6455	1.7	PZA
2769	266.3917	88.4625	42.6097	1075985.272	1408238.699	130.0653	1.7	PZA
2770	260.1349	88.4501	41.1394	1075987.269	1408234.207	130.0507	1.7	PARAMENTO
2771	255.081	88.3051	34.9126	1075994.07	1408232.237	130.0585	1.7	PARAMENTO
2772	238.0725	88.3808	42.7666	1075991.504	1408218.61	130.1716	1.7	CULATA
2773	235.5929	88.0311	29.4451	1076003.413	1408224.736	130.1537	1.7	PARAMENTO
2774	241.2456	87.2835	26.3149	1076004.72	1408228.618	130.3119	1.7	PARAMENTO
2775	195.5648	88.2633	17.7546	1076022.932	1408224.141	129.6358	1.7	PARAMENTO
2776	192.5204	88.0824	14.6128	1076024.554	1408226.969	129.6275	1.7	PZA
2777	207.2019	89.2647	48.0401	1076027.799	1408241.211	129.362	1.7	D-66 - D-63
2778	208.2228	89.3715	45.7708	1076028.107	1408243.612	129.2007	1.7	PZA
2779	122.5931	90.0245	55.184	1076096.138	1408253.873	128.8538	1.7	CERCA CORONA
2780	127.5009	89.3533	30.031	1076073.563	1408265.489	129.1112	1.7	CULATA
2781	108.1926	89.5419	41.1128	1076088.871	1408270.993	128.9657	1.7	CULATA
2782	109.4638	89.5951	58.0886	1076104.509	1408264.272	128.9004	1.7	CERCA CORONA
2783	120.5908	89.4612	43.9561	1076087.532	1408261.288	129.0741	1.7	VIA
2784	112.3255	90.0122	42.8451	1076089.415	1408267.489	128.8807	1.7	VIA
2785	167.0019	90.3513	4.6121	1076050.875	1408279.403	128.8503	1.7	VIA
2786	69.3949	90.5055	4.1936	1076053.767	1408285.355	128.8355	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2787	280.3439	89.5	2.4499	1076047.427	1408284.344	128.9047	1.7	VIA
2788	28.473	90.1244	53.0283	1076075.349	1408330.383	128.7014	1.7	VIA
2789	28.2638	90.1243	60.3696	1076078.56	1408336.994	128.6745	1.7	VIA
2790	24.3306	90.1435	56.452	1076073.263	1408335.257	128.6582	1.7	VIA
2791	26.3702	90.072	56.7836	1076075.248	1408334.676	128.7766	1.7	PZA
2792	33.3155	90.2008	50.6906	1076077.813	1408326.165	128.6009	1.7	ESQ-CERCA
2793	36.5826	90.1213	30.7559	1076068.32	1408308.477	128.7884	1.7	ESQ-CERCA
2794	74.0739	90.3531	6.87	1076056.443	1408285.778	128.8266	1.7	ESQ-CERCA
2795	27.034	90.0725	56.828	1076075.661	1408334.517	128.7752	1.7	D-66 - D-67
2796	22.3003	90.1334	61.9619	1076073.516	1408341.154	128.6532	1.7	CERCA
2797	2.3135	90.3036	70.6911	1076052.912	1408354.517	128.2686	1.7	NIVEL
2798	347.182	90.1954	99.5424	1076027.907	1408380.991	128.3222	1.7	NIVEL
2799	305.0114	90.2747	37.4059	1076019.191	1408305.344	128.5954	1.7	NIVEL
2800	336.2046	90.1954	129.6966	1075997.734	1408402.665	128.1482	1.7	CERCA
2801	299.3506	90.0741	77.3888	1075982.515	1408322.066	128.7251	1.7	CERCA
2802	330.3744	90.0635	164.8843	1075968.885	1408427.54	128.5837	1.7	CERCA
2803	293.3448	90.295	89.537	1075967.758	1408319.665	128.1212	1.7	CERCA
2804	285.2743	89.5928	90.0021	1075963.078	1408307.841	128.9123	1.7	CERCA
2805	332.3922	89.5336	193.9926	1075960.632	1408456.162	129.2611	1.7	CERCA
2806	287.3801	90.0643	125.0017	1075930.686	1408321.695	128.6542	1.7	NIVEL
2807	295.3208	90.012	233.8007	1075838.816	1408384.561	128.8101	1.7	NIVEL
2808	306.3027	89.444	238.4306	1075858.112	1408425.635	129.9655	1.7	NIVEL
2809	311.0745	89.1253	242.4378	1075867.152	1408443.243	132.2243	1.7	NIVEL
2810	310.5221	89.2105	218.1611	1075884.799	1408426.553	131.3709	1.7	NIVEL
2811	340.025	89.452	240.6894	1075967.575	1408510.089	129.9279	1.7	NIVEL
2812	309.1708	90.0321	200.6905	1075894.43	1408410.882	128.7045	1.7	NIVEL
2813	348.062	90.0055	194.4897	1076009.642	1408474.187	128.8486	1.7	CERCA
2814	314.4637	90.1057	134.1838	1075954.532	1408378.353	128.4714	1.7	CERCA
2815	359.2929	90.0543	177.6678	1076048.158	1408461.555	128.6044	1.7	CERCA
2816	7.4721	90.0945	170.4394	1076072.839	1408452.775	128.4164	1.7	CERCA
2817	207.0341	89.2635	56.8251	1076049.838	1408283.901	129.1478	1.65	D-67 - D-66
2818	74.2932	86.2907	8.2603	1076083.604	1408336.726	129.0516	1.7	PARAMENTO
2819	128.0009	87.3721	26.3084	1076096.383	1408318.345	129.1866	2.15	CERCA
2820	121.235	89.2307	42.4816	1076111.932	1408312.407	129.001	1.7	PARAMENTO
2821	115.4915	89.4731	71.2493	1076139.814	1408303.52	128.8042	1.7	CERCA CORONA
2822	105.5104	87.4552	48.1041	1076121.908	1408321.414	128.6218	3.5	PARAMENTO
2823	108.5809	89.4125	76.0666	1076147.609	1408309.832	128.9567	1.7	CERCA CORONA
2824	105.2843	87.5011	59.3707	1076132.846	1408318.716	128.6867	3.8	PARAMENTO
2825	115.2859	89.4703	71.354	1076140.09	1408303.854	128.8142	1.7	VIA CORONA
2826	110.1914	89.3752	76.9857	1076147.869	1408307.823	129.0411	1.7	VIA
2827	109.2714	89.5049	56.3023	1076128.759	1408315.796	128.6957	1.7	VIA
2828	108.5308	89.4816	49.119	1076122.144	1408318.644	128.7131	1.7	VIA
2829	117.2053	89.4736	52.1734	1076122.016	1408310.575	128.7336	1.7	VIA
2830	112.3937	89.3304	40.5121	1076113.053	1408318.931	128.8627	1.7	PZA
2831	20.4956	89.5321	22.4478	1076083.632	1408355.502	128.5887	1.7	VIA
2832	32.3721	90.1115	22.784	1076087.933	1408353.713	128.4707	1.7	VIA
2833	40.0801	89.4322	26.0797	1076092.459	1408354.465	128.6714	1.7	PARAMENTO
2834	33.2019	91.29	50.719	1076103.502	1408376.891	128.4325	0.5	PARAMENTO
2835	207.3912	89.2638	56.9406	1076049.263	1408284.068	129.0982	1.7	CERCA
2836	25.0645	89.5122	55.8695	1076099.343	1408385.119	128.6858	1.7	PZA
2837	25.353	89.5303	55.8886	1076099.773	1408384.936	128.6584	1.7	D-67 - D-68
2838	27.0056	90.0009	58.6233	1076102.26	1408386.758	128.5428	1.7	VIA
2839	27.5845	90.0553	52.0978	1076100.076	1408380.539	128.4563	1.7	VIA
2840	23.3219	89.5828	55.9591	1076097.98	1408385.832	128.5703	1.7	VIA
2841	205.3528	89.3636	55.8919	1076075.66	1408334.515	128.779	1.7	D-68 - D-67
2842	74.2813	89.3836	8.9487	1076108.394	1408387.337	128.4541	1.7	CERCA
2843	119.2106	89.5221	46.4645	1076140.286	1408362.184	128.502	1.7	CERCA
2844	104.1651	89.5344	47.8327	1076146.135	1408373.163	128.4858	1.7	PARAMENTO
2845	117.1719	89.5419	57.3751	1076150.778	1408358.66	128.4936	1.7	PARAMENTO
2846	116.3011	89.5208	67.9668	1076160.615	1408354.641	128.5542	1.7	PARAMENTO
2847	106.3158	89.5324	59.4881	1076156.812	1408368.04	128.513	1.7	ESQ-CERCA
2848	115.4946	89.5238	92.8139	1076183.337	1408344.545	128.5978	1.7	CULATA CERCA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2849	108.4054	89.5422	95.3913	1076190.156	1408354.432	128.5551	1.7	CULATA CERCA
2850	109.3103	89.5425	93.8442	1076188.243	1408353.634	128.5516	1.7	VIA
2851	114.5346	89.5422	91.4319	1076182.73	1408346.493	128.5486	1.7	VIA
2852	114.0239	89.5355	56.6501	1076151.521	1408361.884	128.4988	1.7	VIA
2853	109.0047	89.5849	56.7353	1076153.424	1408366.483	128.4182	1.7	VIA
2854	108.3654	89.5542	50.0705	1076147.233	1408368.98	128.4611	1.7	VIA
2855	114.1304	89.5331	49.4231	1076144.858	1408364.688	128.4918	1.7	VIA
2856	112.3902	89.5125	52.7038	1076148.423	1408364.667	128.5303	1.7	PZA
2857	112.1316	89.5027	52.4848	1076148.371	1408365.115	128.5444	1.7	D-68 - D-68
2858	26.5155	90.1756	50.0926	1076122.384	1408429.635	128.1372	1.7	VIA
2859	22.2923	90.1759	50.1921	1076118.946	1408431.321	128.136	1.7	CERCA PARAMENTO
2860	25.4707	90.2212	107.5979	1076146.523	1408481.845	127.7043	1.7	CERCA PARAMENTO
2861	23.4751	90.2139	107.493	1076143.091	1408483.312	127.7223	1.7	CERCA PARAMENTO
2862	17.4451	90.0433	35.2215	1076110.491	1408418.487	128.3519	1.7	CERCA PARAMENTO
2863	5.533	89.0512	13.7672	1076101.179	1408398.63	128.6179	1.7	CERCA PARAMENTO
2864	341.3522	88.1033	7.1011	1076097.528	1408391.669	128.6244	1.7	CERCA PARAMENTO
2865	300.0257	89.2331	36.3931	1076068.263	1408403.141	128.7848	1.7	CERCA PARAMENTO
2866	319.4458	89.2328	34.266	1076077.619	1408411.075	128.7626	1.7	CULATA
2867	37.3942	89.5215	32.1845	1076119.423	1408410.426	128.4711	1.7	PARAMENTO
2868	22.4812	90.1145	107.2382	1076141.279	1408483.816	128.0327	1.7	CERCA
2869	24.1452	90.2021	107.0455	1076143.679	1408482.561	127.7654	1.7	D-68 - D-69
2870	292.1316	89.3538	52.4839	1076099.775	1408384.935	128.6866	1.7	D-68A - D-68
2871	30.0642	90.052	31.2576	1076164.037	1408392.163	128.266	1.7	VIA
2872	23.3806	89.5758	31.7446	1076161.081	1408394.204	128.3332	1.7	VIA
2873	27.4218	90.1148	68.7437	1076180.297	1408425.995	128.0789	1.7	VIA
2874	23.3159	90.0106	68.6446	1076175.744	1408428.066	128.2927	1.7	VIA
2875	29.5656	90.1428	76.7703	1076186.659	1408431.655	127.9919	1.7	VIA
2876	22.3358	89.5935	76.2057	1076177.575	1408435.503	128.3239	1.7	PARAMENTO
2877	47.0213	90.0542	80.7426	1076207.427	1408420.176	128.1809	1.7	PARAMENTO
2878	57.234	90.0244	45.2522	1076186.478	1408389.521	128.2785	1.7	PARAMENTO
2879	71.5253	89.5908	53.6546	1076199.356	1408381.83	128.3281	1.7	PARAMENTO
2880	35.2956	90.0238	37.4776	1076170.117	1408395.639	128.2858	1.7	CERCA
2881	18.4053	90.0704	40.0815	1076161.188	1408403.092	128.2321	1.7	NIVELES
2882	119.2011	89.3804	58.6019	1076199.473	1408336.433	128.6885	1.7	NIVELES
2883	100.2849	89.2507	61.92	1076209.261	1408353.887	128.9429	1.7	NIVELES
2884	126.4511	88.2121	82.3299	1076214.337	1408315.909	128.6769	3.7	NIVELES
2885	126.4512	88.3356	102.405	1076230.429	1408303.904	128.8787	3.7	NIVELES
2886	204.1454	89.2317	107.0527	1076099.771	1408384.934	128.6794	1.7	D-69 - D-68
2887	25.3329	90.1313	58.6497	1076168.952	1408535.486	127.3101	1.7	VIA
2888	29.3903	90.1314	59.1018	1076172.888	1408533.94	127.3082	1.7	VIA
2889	27.0105	90.0707	92.1967	1076185.515	1408564.719	127.3453	1.7	PZA
2890	25.2948	90.1314	104.4886	1076188.604	1408576.898	127.1339	1.7	VIA
2891	27.5133	90.1156	105.0903	1076192.735	1408575.498	127.1713	1.7	VIA
2892	25.3453	90.1404	188.4051	1076224.934	1408652.542	126.7667	1.7	VIA
2893	26.3727	90.1525	188.6383	1076228.118	1408651.243	126.6919	1.7	VIA
2894	32.4036	90.0618	189.7002	1076246.007	1408642.295	127.1905	1.7	NIVEL
2895	37.0804	90.0802	191.8816	1076259.429	1408635.598	127.0896	1.7	NIVEL
2896	356.1642	90.1009	118.0629	1076135.949	1408600.37	127.1876	1.7	NIVEL
2897	341.5509	90.0443	91.3107	1076115.291	1408569.346	127.4107	1.7	NIVEL
2898	333.1806	90.0445	133.7702	1076083.509	1408602.035	127.3517	1.7	NIVEL
2899	326.1833	89.4936	75.517	1076101.754	1408545.37	127.7643	1.7	CERCA
2900	314.463	89.5212	119.5611	1076058.758	1408566.722	127.8077	1.7	CERCA
2901	300.0812	89.3105	129.7724	1076031.415	1408547.649	128.6282	1.7	NIVEL
2902	310.5749	89.4058	75.5737	1076086.584	1408532.072	127.9542	1.7	NIVEL
2903	277.1343	89.2513	94.7998	1076049.631	1408494.435	128.4952	1.7	NIVEL
2904	290.075	89.4249	60.7355	1076086.643	1408503.431	127.8394	1.7	NIVEL
2905	251.254	89.053	65.974	1076081.161	1408461.515	128.5817	1.7	NIVEL
2906	284.2138	88.5123	28.2123	1076116.35	1408489.541	128.0985	1.7	NIVEL
2907	229.4736	89.2317	81.8355	1076081.213	1408429.7	128.4098	1.7	CULATA
2908	115.3645	87.3108	9.5309	1076152.268	1408478.45	127.948	1.7	CERCA VIA
2909	86.2113	87.5516	9.4494	1076153.103	1408483.167	127.8782	1.7	CERCA VIA
2910	107.3458	89.4733	62.8134	1076203.568	1408463.62	127.7632	1.7	CERCA VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2911	103.3342	89.5304	63.0373	1076204.967	1408467.814	127.6628	1.7	CERCA VIA
2912	85.5726	89.5324	66.1304	1076209.642	1408487.261	127.6627	1.7	NIVEL
2913	121.0958	89.5327	66.1253	1076200.28	1408448.372	127.6617	1.7	NIVEL
2914	104.0307	89.5653	123.5952	1076263.593	1408452.62	127.6483	1.7	CERCA VIA
2915	90.2451	89.5129	127.184	1076270.86	1408481.713	127.8516	1.7	NIVEL
2916	106.0639	90.2405	121.3414	1076260.271	1408448.956	127.8863	0.5	CERCA VIA
2917	117.4122	90.1924	123.8893	1076253.411	1408425.055	128.0374	0.5	NIVEL
2918	104.0135	90.0519	167.8286	1076306.527	1408441.977	127.6776	1.3	D-69 - D-70
2919	284.0134	90.0046	167.8288	1076143.679	1408482.561	127.7974	1.3	D-70 - D-69
2920	282.3132	89.4934	129.197	1076180.39	1408469.926	127.8261	1.7	CULATA
2921	211.5927	89.1252	34.7697	1076288.125	1408412.48	127.9094	1.7	CASA
2922	210.5936	89.0355	27.1224	1076292.575	1408418.722	127.8751	1.7	CASA
2923	241.5235	84.0653	26.1285	1076283.612	1408429.713	128.0118	3.8	CASA
2924	328.5343	90.1252	35.7832	1076288.024	1408472.605	127.2988	1.7	NIVEL
2925	24.1815	90.0947	28.1661	1076318.105	1408467.654	127.3526	1.7	NIVEL
2926	356.15	90.1555	53.8524	1076302.974	1408495.712	127.1835	1.7	NIVEL
2927	35.4136	90.0411	62.0998	1076342.73	1408492.432	126.8573	2.2	NIVEL
2928	13.0751	90.1229	81.7944	1076325.063	1408521.643	127.1361	1.7	NIVEL
2929	34.4956	90.1932	90.1796	1076357.992	1408516.027	126.421	2.2	NIVEL
2930	31.3917	90.0828	119.7938	1076369.336	1408543.984	126.6382	2.2	NIVEL
2931	13.4727	90.0904	104.0119	1076331.264	1408543.004	127.1588	1.7	NIVEL
2932	24.1932	90.1601	131.5022	1076360.627	1408561.834	126.8209	1.7	NIVEL
2933	29.1759	90.2823	158.9183	1076384.217	1408580.605	125.622	2.2	NIVEL
2934	38.0807	90.3541	94.0554	1076364.563	1408515.986	126.457	1.7	NIVEL
2935	58.4405	90.2334	80.6144	1076375.409	1408483.854	126.8806	1.7	NIVEL
2936	71.3813	89.5227	68.6644	1076371.682	1408463.646	127.5838	1.7	NIVEL
2937	88.2107	89.2131	55.331	1076361.83	1408443.6	128.052	1.7	NIVEL
2938	103.3338	89.4243	99.8172	1076403.573	1408418.628	127.9349	1.7	D-70 - D-71
2939	283.3339	89.5815	99.809	1076306.534	1408441.976	127.6912	1.75	EJE CAMINO
2940	284.4032	90.0102	100.7073	1076306.137	1408444.086	127.6101	1.75	EJE CAMINO
2941	283.2243	90.0547	88.1818	1076317.773	1408438.983	127.492	1.75	EJE CAMINO
2942	280.5216	89.5548	65.2913	1076339.447	1408430.905	127.72	1.75	EJE CAMINO
2943	265.2251	89.2325	46.1399	1076357.588	1408414.886	128.1311	1.75	EJE CAMINO
2944	212.5713	88.5312	29.7376	1076387.415	1408393.67	128.2178	1.75	EJE CAMINO
2945	172.355	89.2016	40.3002	1076408.788	1408378.669	128.1058	1.75	EJE CAMINO
2946	170.2616	89.3209	55.1368	1076412.763	1408364.264	128.0868	1.75	EJE CAMINO
2947	171.2551	89.3434	79.9339	1076415.528	1408339.595	128.2315	1.75	EJE CAMINO
2948	172.3505	89.4106	108.999	1076417.702	1408310.55	128.2397	1.75	EJE CAMINO
2949	346.4028	90.2508	135.0862	1076372.364	1408550.056	126.6533	1.75	CORONA RIO VIEJO
2950	341.4744	90.2533	116.5083	1076367.113	1408529.281	126.7751	1.75	CORONA RIO VIEJO
2951	336.2009	90.4512	92.2194	1076366.514	1408503.065	126.4282	1.75	CORONA RIO VIEJO
2952	345.3317	90.481	68.108	1076386.548	1408484.567	126.686	1.75	CORONA RIO VIEJO
2953	17.5151	90.4604	56.3722	1076420.834	1408472.287	126.8846	1.75	CORONA RIO VIEJO
2954	47.3617	90.1655	66.2476	1076452.472	1408463.322	127.3141	1.75	CORONA RIO VIEJO
2955	62.5531	90.2643	87.5035	1076481.463	1408458.498	126.9605	1.75	CORONA RIO VIEJO
2956	162.3344	89.2158	37.6887	1076414.887	1408382.68	128.0569	1.75	NIVEL
2957	75.4328	90.1358	90.9379	1076491.69	1408441.102	127.2712	1.75	NIVEL
2958	115.5443	89.3531	33.6101	1076433.812	1408403.958	127.9294	1.7	NIVEL
2959	90.0229	90.0434	77.4626	1076481.036	1408418.616	127.5875	1.7	NIVEL
2960	84.3138	89.5948	48.5488	1076451.898	1408423.286	127.693	1.7	NIVEL
2961	116.5852	89.5616	61.4152	1076458.32	1408390.795	127.7568	1.7	NIVEL
2962	65.0925	90.0716	33.9366	1076434.361	1408432.903	127.6182	1.7	NIVEL
2963	106.5926	90.0401	104.0019	1076503.053	1408388.293	127.569	1.7	NIVEL
2964	117.4335	90.1849	94.8143	1076487.525	1408374.564	127.5715	1.3	NIVEL
2965	117.4336	90.0935	114.982	1076505.383	1408365.19	127.7705	1.3	NIVEL
2966	133.28	90.0932	89.0537	1076468.241	1408357.402	127.7436	1.4	NIVEL
2967	153.3234	90.2504	91.9527	1076444.587	1408336.331	128.2198	0.5	NIVEL
2968	356.1356	90.0616	26.5186	1076401.816	1408445.088	127.6416	1.7	NIVEL
2969	316.4434	89.4258	38.0764	1076377.465	1408446.343	127.8786	1.7	NIVEL
2970	181.5201	90.0617	78.2078	1076401.07	1408340.46	128.2473	1	NIVEL
2971	171.2011	89.3948	109.7516	1076420.167	1408310.14	128.3354	1.7	D-71 - D-72
2972	199.2059	89.3321	75.9969	1076378.435	1408346.912	128.2796	1.7	NIVEL



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2973	224.2139	90.0501	77.202	1076349.627	1408363.402	128.4778	0.8	NIVEL
2974	235.0148	90.0935	79.4653	1076338.482	1408373.046	128.3689	0.8	NIVEL
2975	235.0148	90.0215	109.5199	1076313.863	1408355.806	128.5189	0.8	NIVEL
2976	351.2011	90.0339	109.7528	1076403.573	1408418.631	127.9795	1.7	D-72 - D-71
2977	185.1735	90.102	17.8313	1076418.532	1408292.384	128.0419	1.7	CASA
2978	159.3123	89.5102	11.132	1076424.067	1408299.714	128.1245	1.7	CASA
2979	137.4051	89.4206	30.8861	1076440.974	1408287.315	128.2563	1.7	CORONA CASA
2980	114.5404	89.5802	28.0834	1076445.646	1408298.33	128.1116	1.7	CORONA RIO VIEJO
2981	87.0127	90.0804	34.2907	1076454.41	1408311.94	128.015	1.7	CORONA RIO VIEJO
2982	72.2327	90.1528	52.2812	1076469.989	1408325.984	127.8604	1.7	CORONA RIO VIEJO
2983	69.4747	90.1933	73.7696	1076489.382	1408335.656	127.8762	1.5	CORONA RIO VIEJO
2984	78.3744	90.1407	100.8353	1076519.011	1408330.077	127.6821	1.7	CORONA RIO VIEJO
2985	82.1613	90.1416	115.0028	1076534.115	1408325.672	127.6188	1.7	CORONA RIO VIEJO
2986	83.4251	90.204	114.7957	1076534.263	1408322.773	125.6062	3.5	PATA RIO VIEJO
2987	82.4304	90.2328	114.7711	1076534.001	1408324.752	124.0128	5	LAMINA DE AGUA
2988	82.3434	90.2328	114.7552	1076533.949	1408325.032	123.7126	5.3	FONDO RIO VIEJO
2989	85.5448	93.5216	115.2849	1076534.892	1408318.402	120.5129	1.5	NIVEL
2990	89.2207	93.2111	115.9845	1076535.945	1408311.482	121.5125	1.5	NIVEL
2991	89.3658	93.2109	116.0132	1076535.979	1408310.982	121.5121	1.5	LAMINA
2992	90.5023	90.2312	116.1533	1076536.306	1408308.503	127.0125	2	CORONA
2993	92.5831	89.5214	28.2191	1076448.349	1408308.691	128.1592	1.7	D-72 - D-73
2994	73.4436	94.0154	84.6774	1076501.244	1408333.832	122.1423	1.7	LAMINA DE AGUA
2995	74.2044	94.2217	84.7012	1076501.476	1408332.975	121.6398	1.7	NIVEL
2996	67.5954	94.4121	85.0178	1076498.711	1408341.928	121.1455	1.7	NIVEL
2997	80.4749	94.1932	85.5259	1076504.344	1408323.827	121.6453	1.7	NIVEL
2998	80.4747	93.5326	85.4855	1076504.35	1408323.829	122.2956	1.7	LAMINA DE AGUA
2999	82.4716	90.0804	85.7788	1076505.261	1408320.957	127.8947	1.7	CORONA
3000	121.3148	89.5622	28.1544	1076444.173	1408295.43	128.1253	1.7	CORONA
3001	121.3156	81.2733	30.5011	1076445.885	1408294.38	132.6253	1.7	PATA
3002	121.3803	98.2024	34.6825	1076449.394	1408292.158	123.0649	1.7	PATA
3003	121.3803	96.2444	40.5696	1076454.504	1408289.014	123.5646	1.7	PATA
3004	121.3803	89.4635	43.3167	1076457.06	1408287.442	128.2645	1.7	CORONA
3005	191.5613	90.1946	60.5474	1076407.677	1408250.896	128.1476	1.3	NIVEL
3006	218.4151	90.0145	45.1869	1076391.936	1408274.857	128.2724	1.5	NIVEL
3007	220.2351	89.5851	63.8759	1076378.797	1408261.471	128.317	1.5	NIVEL
3008	218.4221	89.5905	92.6795	1076362.253	1408237.783	128.4208	1.4	NIVEL
3009	211.3806	90.1053	108.3399	1076363.395	1408217.867	128.6531	0.8	NIVEL
3010	211.3209	90.0932	122.471	1076356.17	1408205.72	128.6571	0.8	NIVEL
3011	200.1956	90.141	116.465	1076379.762	1408200.909	128.0165	1.3	NIVEL
3012	203.1558	90.0539	127.6809	1076369.799	1408192.814	128.2865	1.3	NIVEL
3013	203.1559	90.0435	157.7598	1076357.933	1408165.174	128.287	1.3	NIVEL
3014	191.2416	90.2848	129.0919	1076394.714	1408183.587	128.0154	0.7	NIVEL
3015	191.2413	90.2326	159.0893	1076388.801	1408154.177	128.1127	0.6	NIVEL
3016	191.2727	90.3516	100.7452	1076400.212	1408211.396	128.2625	0.5	NIVEL
3017	182.5923	90.3453	101.8714	1076414.912	1408208.409	128.1625	0.6	NIVEL
3018	109.23	89.2701	214.1777	1076075.721	1408219.69	132.1578	1.75	D-64 - D-62
3019	128.4509	89.5956	27.7878	1075895.333	1408273.274	130.1003	1.75	ALCANTARILLA
3020	129.4327	90.0459	26.1712	1075893.791	1408273.941	130.1118	1.7	ALCANTARILLA
3021	129.3111	90.0133	26.8737	1075894.393	1408273.566	129.0377	2.8	NIVEL
3022	132.3105	90.2713	25.5426	1075892.488	1408273.404	129.9475	1.7	CANAL
3023	131.5822	89.5106	24.9779	1075892.232	1408273.961	129.1144	2.8	CANAL
3024	129.0846	89.0801	26.0756	1075893.882	1408274.207	130.544	1.7	CANAL
3025	165.2143	88.4811	11.7022	1075876.616	1408279.337	130.3942	1.7	CANAL
3026	162.0538	93.5511	11.3242	1075877.132	1408279.907	129.3756	1.7	CANAL
3027	160.3948	88.1705	10.5342	1075877.145	1408280.722	130.465	1.7	CANAL
3028	222.4034	87.1154	8.7007	1075867.765	1408284.263	130.575	1.7	CANAL
3029	220.0925	87.4532	10.0136	1075867.204	1408283.004	130.5413	1.7	CANAL
3030	222.4011	93.4534	9.5052	1075867.228	1408283.678	129.5265	1.7	CANAL
3031	278.3906	88.5304	43.91	1075830.247	1408297.235	131.0046	1.7	CANAL
3032	280.1807	88.5252	43.6202	1075830.739	1408298.43	131.0015	1.7	CANAL
3033	279.2003	90.1226	44.061	1075830.171	1408297.777	129.9905	1.7	CANAL
3034	278.2356	89.0249	47.05	1075827.11	1408297.5	130.9324	1.7	CANAL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3035	277.3304	88.3446	47.2031	1075826.87	1408296.83	131.02	2	CANAL
3036	277.5223	90.1256	46.8657	1075827.225	1408297.049	129.9735	1.7	CANAL
3037	280.1825	88.5627	54.9606	1075819.583	1408300.456	131.1659	1.7	CANAL
3038	280.0236	89.0458	54.9574	1075819.539	1408300.208	131.0297	1.7	CANAL
3039	279.2814	89.0545	55.1261	1075819.279	1408299.694	131.0198	1.7	CANAL
3040	279.4455	90.0728	55.0925	1075819.35	1408299.953	130.0301	1.7	CANAL
3041	280.0246	90.1658	55.9499	1075818.556	1408300.384	129.8737	1.7	CANAL
3042	280.2008	88.5748	55.0067	1075819.542	1408300.492	131.145	1.7	ALCANTARILLA
3043	280.4634	88.5725	57.1278	1075817.535	1408301.303	131.1897	1.7	ALCANTARILLA
3044	281.2022	89.0255	58.5799	1075816.218	1408302.139	131.1227	1.7	CANAL
3045	280.5038	90.1213	58.8383	1075815.859	1408301.692	129.9408	1.7	CANAL
3046	280.2733	89.2152	58.9351	1075815.694	1408301.321	130.8036	1.7	CANAL
3047	283.5017	89.0256	81.6274	1075794.394	1408310.131	131.5049	1.7	CANAL
3048	283.0351	89.0508	81.765	1075794.004	1408309.09	131.455	1.7	CANAL
3049	283.2658	89.4506	81.9483	1075793.942	1408309.67	130.5055	1.7	CANAL
3050	285.5847	88.2541	114.0465	1075764.036	1408321.978	133.279	1.7	CANAL
3051	285.271	88.3502	114.3461	1075763.456	1408321.05	132.9763	1.7	CANAL
3052	285.3113	89.1241	114.2443	1075763.567	1408321.16	131.7231	1.7	CANAL
3053	286.554	88.0225	134.9217	1075744.63	1408329.844	134.765	1.7	CANAL
3054	286.2856	88.0802	135.4122	1075743.852	1408328.98	134.5608	1.7	CANAL
3055	286.393	88.3741	135.1104	1075744.228	1408329.302	133.386	1.7	CANAL
3056	287.3518	87.5028	141.1337	1075739.188	1408333.196	135.4676	1.7	CANAL
3057	287.2404	87.5113	139.9649	1075740.163	1408332.408	135.3932	1.7	CANAL
3058	287.4602	87.5015	139.4799	1075740.896	1408333.112	135.4141	1.7	CANAL
3059	287.3648	88.0821	140.2016	1075740.07	1408332.981	133.6039	2.8	CANAL
3060	291.3927	86.5732	193.2355	1075694.271	1408361.768	140.4036	1.7	CANAL
3061	291.2421	86.5211	193.1809	1075694.026	1408360.954	140.7012	1.7	CANAL
3062	291.2334	86.4902	192.2789	1075694.858	1408360.581	140.8279	1.7	CANAL
3063	291.3112	87.192	192.6134	1075694.622	1408361.132	139.1504	1.7	CANAL
3064	291.5159	87.3023	152.5409	1075732.188	1408347.334	136.7878	1.7	CANAL
3065	292.0528	87.5405	152.6725	1075732.251	1408347.954	135.7423	1.7	CANAL
3066	292.1509	88.1207	152.4208	1075732.62	1408348.267	136.6334	0	CANAL
3067	291.5413	87.4008	143.535	1075740.559	1408344.08	135.9892	1.7	CANAL VIA
3068	292.2852	88.191	143.6194	1075740.973	1408345.473	136.0628	0	CANAL
3069	292.1645	88.0424	143.627	1075740.792	1408345.001	134.9797	1.7	CANAL
3070	292.0524	87.5934	126.7305	1075756.27	1408338.218	134.5895	1.7	CANAL VIA
3071	292.3532	88.4521	126.7555	1075756.624	1408339.273	134.6027	0	CANAL
3072	292.1938	88.362	126.6868	1075756.471	1408338.702	133.2338	1.7	CANAL
3073	292.2738	88.4221	95.9058	1075785.024	1408327.236	132.3164	1.7	CANAL
3074	293.0418	88.5836	95.8289	1075785.481	1408328.153	131.8619	1.7	CANAL
3075	292.4754	89.2729	95.829	1075785.293	1408327.736	131.0568	1.7	CANAL
3076	293.1947	88.5859	55.7943	1075822.415	1408312.718	131.1401	1.7	CANAL
3077	294.2536	89.5333	55.5574	1075823.055	1408313.601	130.254	1.7	CANAL
3078	293.5032	90.115	55.8868	1075822.522	1408313.217	129.4576	2.2	CANAL
3079	297.3054	89.5933	50.3092	1075829.021	1408313.872	130.1565	1.7	CANAL
3080	295.1548	89.2328	51.6043	1075826.974	1408312.651	130.6984	1.7	ALCANTARILLA
3081	293.3245	88.3709	50.1688	1075827.663	1408310.665	131.3589	1.7	ALCANTARILLA
3082	293.3631	88.3338	48.6156	1075829.109	1408310.094	131.371	1.7	ALCANTARILLA
3083	294.5519	89.173	47.3027	1075830.746	1408310.562	130.7346	1.7	ALCANTARILLA
3084	297.4507	89.2502	47.1769	1075831.892	1408312.598	130.6298	1.7	ALCANTARILLA
3085	293.3918	90.1725	49.3773	1075828.413	1408310.441	129.3996	2.2	ALCANTARILLA
3086	297.4623	90.2236	50.4193	1075829.029	1408314.123	129.3183	2.2	CERCA
3087	303.2905	91.5556	23.8436	1075853.77	1408303.791	129.3458	1.7	CERCA
3088	66.1257	103.4313	7.0058	1075879.879	1408293.404	128.488	1.7	CERCA
3089	103.135	91.3658	35.4593	1075908.161	1408282.562	129.1498	1.7	CERCA
3090	320.5153	88.2958	6.3911	1075869.617	1408295.609	130.3171	1.7	PZA
3091	106.4529	90.1548	47.6916	1075919.326	1408276.93	129.9308	1.7	PZA
3092	229.5233	88.1123	11.7019	1075864.713	1408283.113	130.5194	1.7	PZA
3093	106.3713	90.4707	75.061	1075945.583	1408269.229	129.1214	1.7	CERCA
3094	131.0627	90.2421	33.7581	1075899.1	1408268.475	129.9107	1.7	CERCA
3095	108.2158	90.164	123.6363	1075991.012	1408251.766	129.5515	1.7	CERCA
3096	119.0206	90.2425	78.1876	1075942.033	1408252.747	129.5949	1.7	CERCA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3097	135.0559	90.3715	80.5612	1075930.548	1408233.626	129.2774	1.7	NIVEL
3098	158.0043	90.4751	72.722	1075900.916	1408223.245	129.1377	1.7	NIVEL
3099	169.5103	90.3254	103.0421	1075891.867	1408189.24	129.1643	1.7	NIVEL
3100	169.3645	90.232	113.7019	1075894.216	1408178.831	129.379	1.7	D-64 - D-64A
3101	170.2741	90.5424	57.7726	1075883.257	1408233.694	129.2358	1.7	NIVEL
3102	172.494	90.163	14.9692	1075875.53	1408275.804	130.0779	1.7	PARAMENTO
3103	217.1829	89.4135	13.5429	1075865.45	1408279.879	130.2222	1.7	PARAMENTO
3104	207.3753	91.1406	37.9255	1075856.086	1408257.053	129.3325	1.7	PARAMENTO
3105	212.2225	90.3556	60.45	1075841.316	1408239.585	129.5182	1.7	CULATA
3106	207.4146	90.5812	64.4269	1075843.745	1408233.601	129.9594	0.8	PZA
3107	213.1457	90.4855	50.1626	1075846.176	1408248.693	129.4361	1.7	CULATA
3108	215.5953	90.5535	46.5	1075846.347	1408253.024	129.398	1.7	PARAMENTO
3109	232.1519	90.3155	44.5976	1075838.404	1408263.336	129.7358	1.7	PARAMENTO
3110	247.5059	90.0229	29.7562	1075846.099	1408279.421	130.1283	1.7	PARAMENTO
3111	255.0759	90.002	26.8792	1075847.677	1408283.744	130.3471	1.5	PARAMENTO
3112	265.0206	89.3457	33.274	1075840.506	1408287.757	130.5923	1.5	PARAMENTO
3113	297.5837	90.5247	50.5831	1075828.973	1408314.357	129.3732	1.7	CERCA CULATA
3114	323.2645	91.0231	58.3638	1075838.871	1408337.511	129.0886	1.7	CERCA CULATA
3115	315.2936	90.2201	76.3577	1075820.096	1408345.08	129.6611	1.7	CERCA CULATA
3116	327.3931	90.3246	84.4528	1075828.435	1408361.979	129.3453	1.7	CERCA CULATA
3117	325.1811	89.5007	88.4467	1075823.264	1408363.345	130.4045	1.7	PZA
3118	319.2801	90.3044	105.0961	1075805.309	1408370.49	130.9107	0	CERCA PARAMENTO
3119	324.4719	89.414	112.0035	1075809.021	1408382.128	130.7476	1.7	CERCA PARAMENTO
3120	331.231	89.384	126.0816	1075813.21	1408401.302	130.9332	1.7	CERCA PARAMENTO
3121	329.0406	89.0538	133.9266	1075804.756	1408405.481	132.2688	1.7	CERCA PARAMENTO
3122	332.314	89.3608	129.1685	1075814.001	1408405.221	131.0477	1.7	NIVEL
3123	332.1031	88.3413	148.2884	1075804.383	1408421.718	133.8513	1.7	CORONA
3124	338.3657	89.3323	133.7403	1075824.819	1408415.157	131.1863	1.7	CORONA
3125	338.4405	88.3542	152.9907	1075818.101	1408433.155	133.9027	1.7	CORONA
3126	346.1727	89.4723	137.0567	1075841.096	1408423.788	130.6537	1.7	CORONA
3127	345.2628	88.5112	148.3753	1075836.281	1408434.216	133.1207	1.7	CERCA CULATA
3128	348.5758	88.5507	161.876	1075842.586	1408449.493	133.2064	1.7	CERCA CULATA
3129	352.5106	88.5946	169.4385	1075852.476	1408458.739	133.1199	1.7	PARAMENTO
3130	359.1141	89.1341	161.461	1075871.292	1408452.084	132.3263	1.7	PARAMENTO
3131	1.1755	89.14	172.0178	1075877.453	1408462.616	132.4531	1.7	CULATA
3132	340.0046	88.3536	155.9524	1075820.28	1408437.14	133.9795	1.7	PZA
3133	291.4746	87.5501	132.7423	1075750.453	1408339.84	134.9757	1.7	D-6 - D-74
3134	292.0221	88.3945	45.1334	1075831.819	1408307.563	131.2034	1.7	D-64 - D-75
3135	112.0222	90.4646	45.1258	1075873.653	1408290.655	130.3796	1.7	D-75 - D-64
3136	206.0333	88.3919	8.6855	1075828.009	1408299.76	131.1972	1.7	VIA
3137	238.07	89.1114	12.6525	1075821.08	1408300.874	131.1729	1.7	VIA
3138	219.3317	90.2845	43.7645	1075803.969	1408273.805	130.6274	1.7	VIA
3139	226.0943	90.1618	45.0805	1075799.32	1408276.321	130.7798	1.7	VIA
3140	219.4145	90.1614	64.4351	1075790.692	1408257.961	130.6893	1.7	VIA
3141	220.3832	90.0741	69.4418	1075786.619	1408254.845	130.8384	1.7	VIA
3142	225.1107	89.5948	65.5806	1075785.323	1408261.314	130.9974	1.7	VIA
3143	224.3106	89.4538	64.9976	1075786.273	1408261.193	131.2653	1.7	PZA
3144	216.4055	90.1604	61.6881	1075794.997	1408258.071	130.7054	1.7	PARAMENTO
3145	210.5228	93.1625	35.189	1075813.808	1408277.399	130.684	0	PARAMENTO
3146	195.2558	92.1449	14.1284	1075828.07	1408293.952	130.4395	1.7	PARAMENTO
3147	239.292	91.3243	17.8061	1075816.489	1408298.517	130.5133	1.7	PARAMENTO
3148	227.5645	90.3532	60.4395	1075786.967	1408267.055	130.369	1.7	PARAMENTO
3149	270.2818	89.2528	38.396	1075793.426	1408307.857	131.3792	1.7	PARAMENTO
3150	224.1208	89.4624	65.0241	1075786.511	1408260.923	131.2509	1.7	D-75 - D-76
3151	279.292	88.4224	65.4174	1075767.307	1408318.308	132.4702	1.7	PARAMENTO
3152	305.181	95.1431	18.5431	1075816.743	1408318.225	129.9993	1	PARAMENTO
3153	283.1409	88.2452	90.5524	1075743.694	1408328.238	133.4994	1.7	PARAMENTO
3154	300.2507	90.2643	45.2277	1075792.805	1408330.439	130.6422	1.7	PARAMENTO
3155	337.3549	97.072	25.5831	1075822.131	1408331.027	129.5215	0	CULATA CASA
3156	44.1207	89.3741	65.0332	1075831.824	1408307.569	131.2133	1.7	D-76 - D-75
3157	136.0005	92.135	26.3564	1075804.817	1408241.988	129.7651	1.7	VIA
3158	143.5353	92.0804	26.2136	1075801.958	1408239.766	129.8147	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3159	141.5359	91.4114	45.5524	1075814.627	1408225.108	129.4499	1.7	VIA
3160	141.4043	91.4112	49.9879	1075817.516	1408221.739	129.3197	1.7	VIA
3161	137.0049	93.4501	47.6311	1075818.938	1408226.173	129.3757	0	VIA
3162	141.5434	91.4728	64.0995	1075826.064	1408210.521	128.7876	1.7	VIA
3163	136.3913	92.5627	63.1959	1075829.858	1408215.051	129.2489	0	VIA
3164	139.5105	91.4348	49.2096	1075818.247	1408223.343	129.3054	1.7	PZA
3165	144.002	89.4037	43.6178	1075812.165	1408225.648	129.5369	3.2	PARAMENTO
3166	132.2758	91.4256	26.9754	1075806.412	1408242.73	129.9833	1.7	PARAMENTO
3167	172.0251	89.3803	8.4613	1075787.687	1408252.544	130.8449	1.7	PARAMENTO
3168	214.495	88.3259	46.5537	1075759.952	1408222.707	131.9693	1.7	PARAMENTO
3169	141.1306	91.1028	59.3993	1075823.735	1408214.65	129.5736	1.7	D-76 - D-76A
3170	235.303	88.0026	22.9264	1075767.634	1408247.937	131.5882	1.7	PARAMENTO
3171	218.4557	89.045	95.7006	1075726.64	1408186.28	132.3272	1.7	PARAMENTO
3172	219.0436	89.1821	106.0838	1075719.692	1408178.538	132.0771	1.7	PARAMENTO
3173	225.4321	88.5044	109.0548	1075708.491	1408184.759	132.9889	1.7	PARAMENTO
3174	224.1243	88.5721	105.1256	1075713.261	1408185.543	132.7076	1.7	VIA
3175	220.36	89.0813	104.1593	1075718.78	1408181.808	132.3604	1.7	VIA
3176	220.1616	89.0627	97.4768	1075723.552	1408186.522	132.3099	1.7	VIA
3177	222.5859	88.5139	100.3052	1075718.18	1408187.52	132.786	1.7	VIA
3178	222.1154	88.5008	102.0091	1075718.049	1408185.329	132.8646	1.7	PZA
3179	223.3107	88.0835	54.2706	1075749.183	1408221.568	132.5498	1.7	VIA
3180	218.3356	88.2806	54.5063	1075752.568	1408218.3	132.2481	1.7	VIA
3181	221.4839	87.5817	54.2949	1075750.36	1408220.459	132.7131	1.7	PZA
3182	222.1221	88.4754	101.7576	1075718.209	1408185.525	132.9254	1.7	D-76 - D-77
3183	321.1305	88.0134	59.4218	1075786.511	1408260.922	131.2656	1.7	D-76A - D-76
3184	229.2132	88.1213	24.5179	1075805.149	1408198.678	129.9872	1.7	VIA
3185	237.1319	88.3118	26.3665	1075801.582	1408200.367	129.8989	1.7	VIA
3186	222.2356	89.364	52.299	1075788.493	1408176.009	129.5737	1.7	VIA
3187	216.2436	89.4943	51.543	1075793.165	1408173.151	129.373	1.7	VIA
3188	228.481	89.1229	50.8568	1075785.491	1408181.134	129.9218	1.7	PARAMENTO
3189	241.3533	87.4615	29.887	1075797.475	1408200.427	130.3812	1.7	PARAMENTO
3190	254.5352	86.3236	23.5587	1075801.035	1408208.51	130.6391	1.7	PARAMENTO
3191	180.3405	91.3555	49.8439	1075823.269	1408164.827	127.8281	1.7	CORONA
3192	183.5044	92.2815	46.9574	1075820.615	1408167.84	127.1944	1.7	LAMINA
3193	184.3028	92.3616	47.2797	1075820.05	1408167.563	127.0704	1.7	LAMINA
3194	184.5042	92.2602	49.5085	1075819.585	1408165.36	127.0163	1.8	LAMINA
3195	187.0151	92.3327	49.5276	1075817.706	1408165.54	127.0086	1.7	LAMINA
3196	187.1524	92.1901	49.8492	1075817.471	1408165.236	127.2035	1.7	LAMINA
3197	187.2708	91.5902	49.9914	1075817.283	1408165.106	127.4881	1.7	CORONA
3198	182.1335	92.1925	34.8875	1075822.4	1408179.816	127.8041	1.7	CORONA
3199	186.3958	92.5544	33.7797	1075819.838	1408181.14	127.4926	1.7	LAMINA
3200	187.2619	93.2745	33.5848	1075819.414	1408181.406	127.1904	1.7	LAMINA
3201	188.3731	93.4206	33.4979	1075818.74	1408181.597	127.056	1.7	LAMINA
3202	190.5815	93.4705	34.604	1075817.183	1408180.748	126.9345	1.7	LAMINA
3203	192.2122	93.4433	34.6201	1075816.362	1408180.899	126.959	1.7	LAMINA
3204	192.3641	93.2952	34.5992	1075816.214	1408180.944	127.1078	1.7	LAMINA
3205	195.2241	93.0401	34.3672	1075814.653	1408181.555	127.38	1.7	LAMINA
3206	199.055	91.3032	34.6178	1075812.431	1408181.942	128.3072	1.7	CORONA
3207	155.3956	91.295	25.8784	1075834.408	1408191.084	128.5425	1.7	CORONA
3208	159.5747	95.2412	22.4187	1075831.394	1408193.686	127.1075	1.7	LAMINA
3209	160.5253	96.1913	21.5969	1075830.777	1408194.372	126.8411	1.7	LAMINA
3210	162.382	96.4203	20.5674	1075829.841	1408195.157	126.8187	1.7	LAMINA
3211	164.5736	97.0438	18.9969	1075828.637	1408196.446	126.8781	1.7	LAMINA
3212	166.2532	96.5721	17.7135	1075827.871	1408197.56	127.0734	1.7	LAMINA
3213	170.1234	95.4143	16.3893	1075826.517	1408198.58	127.5922	1.7	LAMINA
3214	174.3159	91.4707	16.2262	1075825.289	1408198.506	128.7131	1.7	CORONA
3215	99.2216	94.1015	23.3484	1075846.713	1408210.871	127.5205	1.7	CORONA
3216	115.2334	92.1455	43.3806	1075862.905	1408196.084	127.5166	1.7	CORONA
3217	98.3915	95.2304	23.4375	1075846.805	1408211.152	127.0194	1.7	LAMINA
3218	97.5215	95.4604	23.1772	1075846.579	1408211.505	126.8893	1.7	LAMINA
3219	96.0602	95.4604	23.1573	1075846.646	1408212.214	126.7914	1.8	LAMINA
3220	90.585	95.563	22.9527	1075846.561	1408214.272	126.8427	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3221	92.4424	95.5631	22.9663	1075846.552	1408213.571	126.7412	1.8	LAMINA
3222	90.0151	95.4013	22.9693	1075846.592	1408214.65	126.9491	1.7	LAMINA
3223	87.531	95.2455	22.3189	1075845.939	1408215.482	127.1123	1.7	LAMINA
3224	81.2009	91.3143	22.6987	1075846.165	1408218.081	128.6131	1.7	CULATA
3225	22.0918	91.0147	7.659	1075826.619	1408221.744	129.081	1.7	PARAMENTO
3226	42.1221	90.461	101.7429	1075786.51	1408260.922	131.2398	1.75	D-77 - D-76
3227	121.3636	92.3201	66.7207	1075774.995	1408150.621	129.6563	1.75	VIA
3228	126.162	92.2644	73.3001	1075777.275	1408142.232	129.4781	1.75	VIA
3229	123.4643	92.2508	68.4521	1075775.077	1408147.533	129.7166	1.75	PZA
3230	117.1519	92.2214	45.3096	1075758.465	1408164.816	130.7314	1.75	PARAMENTO
3231	129.4703	94.1436	52.2054	1075758.235	1408152.233	130.4928	0	PARAMENTO
3232	118.0114	92.0404	128.7471	1075831.824	1408125.145	128.0112	1.7	CORONA QUEBRADA
3233	118.4147	92.1038	130.9192	1075833.001	1408122.772	127.6827	1.7	CORONA QUEBRADA
3234	119.0751	92.1243	131.4443	1075832.978	1408121.65	127.5836	1.7	LAMINA
3235	119.0651	92.023	131.8745	1075833.385	1408121.467	127.5585	2.1	LAMINA
3236	119.0457	92.0042	133.0076	1075834.412	1408120.98	127.5877	2.1	LAMINA
3237	119.1158	92.082	133.423	1075834.633	1408120.545	127.6773	1.7	LAMINA
3238	119.0448	91.5905	134.231	1075835.486	1408120.39	128.0081	1.7	LAMINA
3239	119.0221	91.4541	137.1177	1075838.071	1408119.067	128.4424	1.7	CORONA
3240	119.0223	91.23	162.0825	1075859.919	1408106.951	128.7446	1.7	CORONA
3241	125.1532	91.0558	161.7567	1075850.32	1408092.24	129.553	1.7	CORONA
3242	125.1634	91.1749	136.7188	1075829.839	1408106.651	129.5622	1.7	CORONA
3243	125.1914	91.5539	134.2631	1075827.74	1408108.007	128.1407	1.7	CORONA
3244	124.3316	92.0903	127.3356	1075823.048	1408113.412	127.8775	1.7	CORONA
3245	124.3126	92.1435	127.0542	1075822.848	1408113.632	127.6838	1.7	LAMINA
3246	124.2649	92.1802	126.5384	1075822.515	1408114.066	127.1272	2.15	LAMINA
3247	123.232	92.1733	124.0057	1075821.704	1408117.396	127.2461	2.15	LAMINA
3248	123.1902	92.0457	123.5586	1075821.43	1408117.761	127.7167	2.15	LAMINA
3249	123.1814	91.572	123.2975	1075821.236	1408117.923	128.4491	1.7	CORONA
3250	217.2619	90.4418	35.6576	1075696.55	1408157.203	132.1959	1.7	VIA
3251	226.3126	90.1941	36.1613	1075691.983	1408160.63	132.4485	1.7	VIA
3252	220.1646	90.5727	75.8373	1075669.219	1408127.649	131.3884	1.7	VIA
3253	224.2327	90.3344	79.2365	1075662.814	1408128.875	131.8785	1.7	VIA
3254	219.1004	90.4948	75.1855	1075670.76	1408127.213	131.5665	1.7	PARAMENTO
3255	227.1631	90.2911	80.6006	1075659.031	1408130.808	131.9717	1.7	PARAMENTO
3256	222.3144	90.3426	60.4714	1075677.36	1408140.941	132.0499	1.7	PZA
3257	235.1142	89.4845	28.7289	1075694.629	1408169.114	132.9494	1.5	PARAMENTO
3258	210.4757	90.3436	24.2142	1075705.823	1408164.72	132.4117	1.7	PARAMENTO
3259	242.5422	90.0647	90.8954	1075637.312	1408144.081	132.4768	1.7	CULATA
3260	264.4834	87.2241	9.6963	1075708.563	1408184.643	133.099	1.7	PARAMENTO
3261	298.2758	87.3544	70.8004	1075656.004	1408219.206	135.6261	1.7	PARAMENTO
3262	303.5722	87.2012	76.8261	1075654.529	1408228.355	136.2256	1.7	D-77 - D-78
3263	307.5657	87.2541	80.6815	1075654.623	1408235.055	136.2763	1.7	PARAMENTO
3264	330.3555	88.1009	85.9049	1075676.015	1408260.303	135.4004	1.7	PARAMENTO
3265	331.4028	87.5944	72.5545	1075683.768	1408249.334	135.1933	1.7	PARAMENTO
3266	344.2123	88.3441	53.2099	1075703.836	1408236.74	133.976	1.7	PARAMENTO
3267	357.1307	88.4023	65.6591	1075714.986	1408251.087	134.1761	1.7	PARAMENTO
3268	19.4204	89.1842	53.8828	1075736.343	1408236.26	133.303	1.7	PARAMENTO
3269	27.0004	90.1246	83.5184	1075756.085	1408259.961	132.3458	1.7	PARAMENTO
3270	17.5115	88.4436	42.6095	1075731.246	1408226.08	133.59	1.7	CANCHA
3271	9.0203	85.1559	10.8051	1075719.894	1408196.161	133.5471	1.7	CANCHA
3272	317.2521	87.5037	24.897	1075701.365	1408203.836	133.5923	1.7	CANCHA
3273	123.5723	92.1518	76.7969	1075718.204	1408185.528	132.9493	1.7	D-78 - D-77
3274	128.1641	92.4949	37.0682	1075683.605	1408205.436	134.1404	1.7	VIA
3275	120.5121	92.5819	36.9481	1075686.216	1408209.448	134.0551	1.7	VIA
3276	124.4038	92.4039	37.5105	1075685.355	1408207.054	134.2185	1.7	PZA
3277	205.2446	93.241	27.8517	1075642.612	1408203.235	134.3176	1.7	CULATA COLEGIO
3278	203.0422	92.2749	44.7009	1075637.05	1408187.258	135.1492	0.6	CULATA COLEGIO
3279	319.0855	85.5558	50.9654	1075621.255	1408266.789	139.5856	1.7	D-78 - D-79
3280	303.5442	86.0227	104.7043	1075567.809	1408286.582	143.2008	1.7	VIA
3281	304.2516	86.1917	98.0136	1075573.812	1408283.599	142.26	1.7	VIA
3282	301.085	86.1703	99.0715	1075569.889	1408279.442	142.3918	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3283	304.0937	87.5255	50.8604	1075612.456	1408256.87	137.8505	1.7	VIA
3284	305.4333	88.032	45.7921	1075617.36	1408255.056	137.5244	1.7	VIA
3285	299.1738	88.1128	46.3604	1075614.104	1408251.004	137.4341	1.7	VIA
3286	303.3434	86.0703	100.6219	1075570.857	1408283.828	142.7846	1.7	D-78 - D-80
3287	303.2201	86.0551	100.7074	1075570.585	1408283.567	142.8254	1.7	PZA
3288	139.0854	93.3426	50.9481	1075654.537	1408228.346	136.23	1.7	D-79 - D-78
3289	256.0716	89.0234	10.8462	1075610.728	1408264.182	139.5868	1.7	PARAMENTO
3290	177.3648	99.2153	10.6168	1075621.697	1408256.323	137.6781	1.7	PARAMENTO
3291	25.0955	84.0553	22.7355	1075630.86	1408287.263	141.7435	1.7	PARAMENTO
3292	52.2218	86.4449	26.5683	1075642.253	1408282.996	140.9133	1.7	PARAMENTO
3293	35.2459	86.5746	56.0001	1075653.636	1408312.381	142.3728	1.7	PARAMENTO
3294	45.132	88.1252	53.9963	1075659.543	1408304.825	141.0882	1.7	PARAMENTO
3295	41.233	88.0745	63.1106	1075662.935	1408314.133	141.4663	1.7	VIA
3296	37.3752	87.4113	61.9874	1075659.044	1408315.862	141.9076	1.7	VIA
3297	45.3528	84.032	17.2254	1075633.487	1408278.785	141.1895	1.7	VIA
3298	29.0538	83.2439	17.2579	1075629.582	1408281.775	141.3859	1.7	VIA
3300	123.3435	93.3746	100.5859	1075654.523	1408228.358	136.2579	1.7	D-80 - D-78
3301	71.1751	89.2215	6.8317	1075577.326	1408286.022	142.6996	1.7	PARAMENTO
3302	340.0655	83.0654	9.4925	1075567.646	1408292.688	143.7626	1.7	PARAMENTO
3303	32.1022	83.3234	42.585	1075593.368	1408319.658	147.4139	1.7	PARAMENTO
3304	44.3246	86.0545	46.6267	1075603.47	1408316.999	146.9995	0.5	PARAMENTO
3305	41.5921	84.282	46.1988	1075601.6	1408318.024	147.0751	1.7	VIA
3306	36.3421	84.1431	46.0996	1075598.165	1408320.679	147.2497	1.7	VIA
3307	31.4616	83.1522	21.6834	1075582.184	1408302.141	145.1709	1.7	VIA
3308	47.0515	83.3438	20.8391	1075586.016	1408297.936	144.9557	1.7	VIA
3309	303.255	81.0003	39.2347	1075538.504	1408305.159	148.7619	1.7	VIA
3310	296.5758	80.5643	39.5819	1075536.008	1408301.533	148.8541	1.7	VIA
3311	303.58	80.1911	69.3461	1075514.141	1408321.988	154.2853	1.7	VIA
3312	300.2743	80.1624	69.7591	1075511.572	1408318.651	154.4107	1.7	VIA
3313	304.2059	81.1232	100.2553	1075489.026	1408339.685	157.9476	1.7	VIA
3314	301.5619	81.115	100.699	1075486.379	1408336.423	158.0355	1.7	VIA
3315	304.3329	81.0227	123.074	1075470.697	1408352.732	159.6917	3.8	VIA
3316	302.3206	81.251	127.9166	1075464.184	1408351.792	160.2111	3.2	VA
3317	303.2436	81.2855	137.4284	1075457.362	1408358.6	160.8822	3.8	VIA
3318	306.165	80.44	114.2653	1075479.909	1408350.509	159.3258	3.4	PARAMENTO
3319	306.1451	80.2924	68.958	1075515.986	1408324.009	154.0183	1.7	PARAMENTO
3320	109.45	91.2534	435.3146	1076075.717	1408219.69	132.1725	1.7	D-65 - D-62
3321	276.3905	84.3832	28.7082	1075637.745	1408370.043	145.674	1.7	VIA TURBO
3322	261.0728	85.3015	30.4435	1075636.153	1408362.048	145.3797	1.7	VIA TURBO
3323	263.1737	85.1439	38.2972	1075628.235	1408362.269	146.1686	1.7	VIA
3324	264.1226	85.1039	43.4863	1075623.028	1408362.35	146.6493	1.7	VIA
3325	249.094	83.2845	42.2286	1075626.934	1408351.8	147.7891	1.7	VIA
3326	249.1134	83.1032	49.5628	1075620.145	1408349.241	147.9829	2.6	VIA
3327	265.5623	84.571	90.6738	1075576.045	1408360.302	150.9709	1.7	VIA
3328	270.5305	84.5351	94.4421	1075572.079	1408368.147	151.3932	1.7	VIA
3329	269.035	84.5746	167.8525	1075498.957	1408363.921	157.7329	1.7	VIA
3330	266.2053	85.0437	167.1555	1075499.943	1408356.046	157.3401	1.7	VIA
3331	264.2009	84.4042	110.9577	1075556.203	1408355.781	153.2852	1.7	PARAMENTO
3332	265.052	84.5548	82.5097	1075584.252	1408359.713	150.2853	1.7	D-65 - GPS-6
3333	258.2301	84.3448	51.1913	1075616.224	1408356.458	147.8289	1.7	PARAMENTO
3334	257.0717	81.5248	36.443	1075630.971	1408358.687	148.1409	1.7	PARAMENTO
3335	242.3225	81.1136	28.2363	1075641.384	1408353.867	147.7164	1.3	PARAMENTO
3336	249.0346	82.0848	54.2055	1075615.996	1408347.531	148.3	3.8	PARAMENTO
3337	229.0213	83.3413	39.2287	1075636.715	1408341.176	147.3864	1.7	CULATA
3338	139.3818	95.1253	22.9845	1075680.97	1408349.315	140.9043	1.7	PARAMENTO
3339	127.3358	94.3955	32.9415	1075692.173	1408346.746	140.3141	1.7	PARAMENTO
3340	119.4906	95.195	28.291	1075690.584	1408352.755	140.3651	1.7	VIA
3341	123.3909	95.1946	22.3705	1075684.685	1408354.415	140.9155	1.7	VIA
3342	149.0028	94.0059	32.3386	1075682.763	1408339.104	140.7283	1.7	VIA
3343	148.5306	94.1115	27.4221	1075680.283	1408343.342	140.9909	1.7	VIA
3344	85.0521	94.3807	82.4631	1075666.143	1408366.749	143.2667	1.7	GPS-6 - D-65
3345	271.535	84.4704	96.7789	1075487.926	1408362.904	158.7286	1.7	GPS-6 - GPS-5

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3346	111.4013	92.2011	87.6002	1075831.813	1408307.566	131.23	1.7	D-74 - D-75
3347	297.0829	85.1225	59.8635	1075697.353	1408367.024	139.8031	1.7	PARAMENTO
3348	93.0701	96.5941	6.3855	1075756.782	1408339.499	134.0231	1.7	PARAMENTO
3349	334.0941	88.4502	8.1918	1075746.88	1408347.21	134.9793	1.7	PARAMENTO
3350	18.103	91.1851	47.8638	1075765.353	1408385.313	133.7031	1.7	PARAMENTO
3351	5.2634	91.1409	51.8901	1075755.345	1408391.487	133.6818	1.7	PARAMENTO
3352	18.0051	91.0316	61.578	1075769.46	1408398.401	133.6678	1.7	PARAMENTO
3353	5.5836	89.1521	64.7099	1075757.154	1408404.197	135.6415	1.7	PARAMENTO
3354	13.1802	90.2301	58.5901	1075763.9	1408396.865	134.4087	1.7	D-74 - D-74A
3355	193.1801	89.1346	58.5928	1075750.454	1408339.842	134.9768	1.7	D-74A - D-74
3356	217.1704	91.1739	12.71	1075756.208	1408386.751	133.9017	1.7	ALCANTARILLA
3357	210.2122	90.4309	12.5285	1075757.575	1408386.052	134.0315	1.7	ALCANTARILLA
3358	204.0424	90.3054	14.6916	1075757.915	1408383.449	134.0567	1.7	ALCANTARILLA
3359	208.0316	95.2356	14.1884	1075757.264	1408384.396	132.8537	1.7	NIVEL
3360	174.1217	92.1828	11.6666	1075765.084	1408385.268	133.7189	1.7	ALCANTARILLA
3361	177.0942	91.1155	10.7984	1075764.441	1408386.083	133.9628	1.7	ALCANTARILLA
3362	177.1938	91.1447	8.2433	1075764.289	1408388.633	134.0094	1.7	ALCANTARILLA
3363	168.4119	93.3007	7.2954	1075765.332	1408389.726	133.7431	1.7	ALCANTARILLA
3364	164.5456	99.542	10.4166	1075766.576	1408386.959	132.3968	1.7	NIVEL CANAL
3365	122.2238	96.5004	25.625	1075785.395	1408383.253	131.1394	1.7	CANAL
3366	116.3159	94.3915	39.45	1075799.089	1408379.32	130.9878	1.7	VIA
3367	110.4921	94.4209	39.2095	1075800.433	1408382.995	130.9744	1.7	VIA
3368	122.1129	96.0804	21.0384	1075781.609	1408385.731	131.9405	1.7	VIA
3369	110.2546	95.5356	19.8988	1075782.452	1408389.967	132.1436	1.7	VIA
3370	170.5655	92.3317	5.5299	1075764.772	1408391.41	133.9422	1.7	VIA
3371	91.3927	92.1953	2.5557	1075766.452	1408396.793	134.0847	1.7	VIA
3372	246.5142	86.414	4.3675	1075759.891	1408395.15	134.4405	1.7	VIA
3373	313.4753	83.4555	5.4191	1075760.009	1408400.592	134.7772	1.7	VIA
3374	291.0742	86.53	40.9913	1075725.712	1408411.597	136.4174	1.7	VIA
3375	285.3648	86.4728	39.4544	1075725.955	1408407.446	136.3973	1.7	VIA
3376	289.4149	86.2211	62.1763	1075705.467	1408417.746	138.1257	1.7	VIA
3377	285.1248	87.2153	62.1448	1075703.987	1408413.122	138.2463	0.5	VIA
3378	280.3118	87.1614	59.2648	1075705.692	1408407.642	138.2112	0.5	PARAMENTO
3379	292.3714	86.3751	60.2994	1075708.322	1408419.987	137.7327	1.7	PARAMENTO
3380	290.1549	85.3223	109.9864	1075661.012	1408434.784	142.7431	1.7	PARAMENTO
3381	290.2443	85.4341	104.1195	1075666.569	1408433.023	141.9453	1.7	PARAMENTO
3382	293.0627	84.2847	104.5863	1075668.128	1408437.666	142.0503	3.9	CASA
3383	291.3841	85.5821	83.4883	1075686.473	1408427.54	140.0528	1.7	CASA
3384	293.2648	84.1254	74.7309	1075773.328	1408452.628	140.6216	2.8	D-74A - D-74B
3385	299.0018	83.5559	78.0136	1075773.328	1408452.628	139.9344	4.2	D-74B - D-74A
3386	9.3744	88.5954	56.5628	1075696.032	1408434.443	135.1776	1.7	VIA
3385	189.3755	90.3558	0	1075771.06	1408449.948	140.6216	1.7	VIA
3386	220.0323	88.0712	3.5124	1075773.328	1408452.628	140.5768	1.7	VIA
3387	152.0513	91.325	5.5903	1075775.928	1408447.682	140.3106	1.7	VIA
3388	71.1143	90.5515	3.5165	1075776.66	1408453.751	140.4051	1.7	VIA
3389	312.5658	87.5147	4.0188	1075770.397	1408455.374	140.6115	1.7	VIA
3390	104.3955	91.203	24.3579	1075796.866	1408446.389	139.8913	1.7	VIA
3391	116.531	91.1831	24.7614	1075795.372	1408441.364	139.8962	1.7	VIA
3392	107.2502	91.2018	48.5542	1075819.597	1408437.953	139.3278	1.7	VIA
3393	113.1935	91.1035	48.4154	1075817.716	1408433.322	139.4679	1.7	VIA
3394	108.2946	91.1111	49.3757	1075820.094	1408436.821	139.4393	1.7	PZA
3395	6.3413	91.1035	43.9407	1075778.491	1408496.255	139.5597	1.7	VIA
3396	15.1231	91.4938	43.3628	1075784.829	1408494.415	139.0791	1.7	VIA
3397	18.2759	91.45	44.5182	1075787.555	1408494.79	139.1021	1.7	PARAMENTO
3398	70.182	91.2621	6.9245	1075779.853	1408454.941	140.2877	1.7	PARAMENTO
3399	3.4636	90.322	46.0209	1075776.503	1408498.537	140.0288	1.7	PARAMENTO
3400	325.564	87.4053	8.3487	1075768.678	1408459.554	140.7994	1.7	PARAMENTO
3401	235.0051	83.4522	8.487	1075766.401	1408447.812	141.3846	1.7	PARAMENTO
3402	155.4234	90.4614	10.5392	1075777.633	1408443.009	140.3199	1.7	PARAMENTO
3403	328.3621	89.5642	42.0437	1075751.539	1408488.585	140.7021	1.5	CULATA
3404	281.2742	89.0102	42.9	1075731.317	1408461.283	141.1975	1.7	PARAMENTO
3405	299.3854	88.3423	39.5463	1075739.031	1408472.292	141.4464	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3406	295.3114	89.0435	40.4507	1075736.883	1408470.168	141.1137	1.7	VIA
3407	287.1842	88.5211	40.4689	1075734.738	1408464.789	141.26	1.7	VIA
3410	349.3647	89.2148	113.6775	1075873.658	1408290.627	130.4077	1.7	D-64A - D-64
3411	215.0444	89.1525	60.8501	1075859.277	1408129.018	129.9334	1.7	CASA
3412	207.4551	89.3615	59.1917	1075866.673	1408126.439	129.5533	1.7	CASA
3413	207.0115	89.5146	67.9593	1075863.376	1408118.273	129.3069	1.7	CASA
3414	279.3209	91.0003	11.6019	1075882.775	1408180.746	128.9414	1.7	CORONA QUEBRADA
3415	291.0659	92.2959	16.1071	1075879.202	1408184.62	128.4415	1.7	CORONA QUEBRADA
3416	280.4113	91.2925	12.2544	1075882.177	1408181.096	126.7253	3.8	LAMINA
3417	292.2657	91.1941	12.5618	1075882.607	1408183.62	126.7528	3.8	LAMINA
3418	284.0214	94.4421	12.9316	1075881.712	1408181.95	125.9756	3.8	NIVEL
3420	286.0439	94.442	12.9362	1075881.827	1408182.394	126.0752	3.7	CORONA
3421	340.1925	90.49	36.5378	1075881.896	1408213.225	128.6234	1.7	CORONA
3422	340.1925	90.411	43.5363	1075879.535	1408219.814	128.8227	1.5	CORONA
3423	340.1654	92.0536	42.2667	1075879.943	1408218.585	126.5002	2.8	NIVEL
3424	340.1655	91.5835	44.7556	1075879.101	1408220.929	126.5007	2.8	NIVEL
3425	340.1654	92.0535	42.3005	1075879.931	1408218.617	126.0992	3.2	NIVEL
3426	340.1653	91.5955	44.2966	1075879.256	1408220.496	126.0993	3.2	NIVEL
3427	1.3741	89.3159	34.4926	1075895.177	1408213.309	128.9752	2.15	CORONA
3428	18.2653	89.022	24.3286	1075901.901	1408201.911	129.1021	2.15	CORONA
3429	25.0159	95.5649	25.2051	1075904.811	1408201.552	126.5326	1.7	LAMINA
3430	25.1844	96.494	26.8732	1075905.611	1408202.958	125.9492	1.7	LAMINA
3431	26.2402	96.0617	27.9127	1075906.543	1408203.698	126.1756	1.7	LAMINA
3432	27.5901	95.3943	29.4997	1075907.976	1408204.762	126.2336	1.7	LAMINA
3433	28.2431	94.5652	30.3601	1075908.591	1408205.444	126.5255	1.7	LAMINA
3434	30.121	89.5952	35.5233	1075912.069	1408209.542	129.1455	1.7	CORONA
3435	76.2955	90.2127	21.6474	1075915.262	1408183.897	129.009	1.7	CORONA
3436	68.3318	90.1618	34.4929	1075926.314	1408191.46	128.9806	1.7	CORONA
3437	54.2352	91.2317	38.0031	1075925.094	1408200.966	128.2235	1.7	CORONA
3438	73.41	93.3635	27.9666	1075920.999	1408186.688	126.0833	3	LAMINA
3439	72.542	93.1358	27.9653	1075920.899	1408187.053	125.8671	3.4	LAMINA
3440	69.5626	92.3105	27.7626	1075920.264	1408188.359	126.2243	3.4	LAMINA
3441	63.115	94.0959	27.6015	1075918.78	1408191.258	127.1387	1.7	CORONA
3442	46.2559	90.165	48.1549	1075929.089	1408212.039	128.9084	1.7	CORONA
3443	48.26	92.2544	46.8891	1075929.249	1408209.933	126.0569	2.8	LAMINA
3444	48.3833	93.2608	46.3035	1075928.892	1408209.391	125.2693	2.8	LAMINA
3445	49.1038	93.2608	46.3035	1075929.176	1408209.066	125.1693	2.9	LAMINA
3446	51.4655	92.1807	42.5804	1075927.628	1408205.171	125.9338	3.2	LAMINA
3447	83.2331	89.465	57.2697	1075951.101	1408185.454	129.3635	1.7	CORONA
3448	91.3531	90.1955	54.2129	1075948.408	1408177.356	128.83	1.7	CORONA
3449	107.1219	89.5953	38.8077	1075931.294	1408167.373	129.5453	1.3	CORONA
3450	103.3432	91.0046	56.1358	1075948.783	1408165.688	128.1519	1.7	CORONA
3451	103.3326	91.3156	53.6416	1075946.352	1408166.291	125.4099	4	LAMINA
3452	103.3327	91.3722	50.6501	1075943.442	1408166.99	125.4097	4	LAMINA
3453	103.332	91.3436	52.1531	1075944.904	1408166.64	124.9092	4.5	CORONA
3454	124.1355	89.3441	36.4101	1075924.33	1408158.366	129.4121	1.7	CORONA
3455	121.5502	90.1701	54.4537	1075940.453	1408150.068	128.8748	1.7	CORONA
3456	136.5638	90.122	55.0415	1075931.817	1408138.635	128.9466	1.7	CORONA
3457	130.4322	89.595	55.3697	1075936.2	1408142.732	129.1468	1.7	CORONA
3458	145.0008	90.111	79.948	1075940.107	1408113.366	128.8846	1.7	CORONA
3459	137.5228	90.2353	80.5912	1075948.306	1408119.091	128.9846	1.3	CORONA
3460	143.4942	89.1304	35.4791	1075915.171	1408150.205	129.6284	1.7	NIVEL
3461	190.1352	89.1501	32.5779	1075888.449	1408146.771	129.5703	1.7	NIVEL
3462	188.5105	89.3442	66.5379	1075884.016	1408113.082	129.6339	1.7	NIVEL
3463	171.2034	89.3024	70.0809	1075904.804	1408109.557	129.7478	1.7	NIVEL
3464	145.0229	89.5032	79.4911	1075939.8	1408113.709	129.3635	1.7	D-64A - D-64B
3465	188.541	89.2452	80.7135	1075881.771	1408099.087	129.9691	1.7	CASA
3466	178.181	90.1647	79.0424	1075896.602	1408099.826	130.1586	0.3	CASA
3467	186.5641	89.2615	87.7091	1075883.661	1408091.764	130.2056	1.5	CASA
3468	27.1012	90.0715	82.4227	1076694.076	1407154.722	135.9803	1.7	D-34 - D-32
3469	63.2349	93.444	37.1325	1076689.602	1407097.984	134.9288	0.5	CULATA
3470	74.4146	90.5911	56.5059	1076710.967	1407096.315	135.6813	1.2	CULATA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3471	86.0502	91.4435	84.7758	1076741.017	1407087.208	133.5754	1.7	CULATA
3472	92.4956	90.3113	98.1568	1076754.517	1407076.579	135.263	1.7	CULATA
3473	86.4924	91.5536	78.1524	1076734.467	1407085.745	133.5265	1.7	NIVEL
3474	83.0027	92.0604	66.8199	1076722.755	1407089.54	133.7041	1.7	NIVEL
3475	72.5508	95.4855	32.8241	1076687.691	1407090.982	132.828	1.7	NIVEL
3476	78.1529	112.3747	7.9743	1076663.687	1407082.875	133.0854	1.7	CORONA
3477	72.0429	98.5528	21.0968	1076676.307	1407087.799	132.881	1.7	CORONA
3478	73.4432	96.1913	30.2981	1076685.386	1407089.82	132.8184	1.7	CORONA
3479	92.4152	94.2217	48.0165	1076704.306	1407079.147	132.4939	1.7	CORONA
3480	83.0917	95.1108	38.848	1076694.892	1407086.006	132.6427	1.7	CORONA
3481	83.1139	94.3604	41.2857	1076697.341	1407086.273	132.8419	1.7	GAVIONES
3482	80.1109	94.233	41.5434	1076697.293	1407088.456	132.9726	1.7	GAVIONES
3483	84.2217	92.0955	60.7224	1076716.864	1407087.358	133.8598	1.7	GAVIONES
3484	85.4115	92.2812	61.0411	1076717.29	1407085.993	133.5233	1.7	GAVIONES
3485	86.5847	91.5907	76.2553	1076732.583	1407085.431	133.5123	1.7	GAVIONES
3486	87.5106	92.0037	75.2666	1076731.647	1407084.235	133.5138	1.7	GAVIONES
3487	93.0456	91.5112	83.3528	1076739.673	1407076.94	133.4586	1.7	GAVIONES
3488	93.0125	91.0634	81.8681	1076738.223	1407077.102	133.469	2.8	GAVIONES
3489	98.2206	91.1517	88.6643	1076744.188	1407068.522	133.4127	2.5	GAVIONES
3490	106.0423	91.0657	89.5273	1076742.507	1407056.64	133.611	2.5	GAVIONES
3491	40.3506	97.0151	16.1566	1076666.907	1407093.556	134.1761	1.7	GAVIONES
3492	45.1101	98.0024	16.6111	1076668.143	1407092.973	133.84	1.7	GAVIONES
3493	78.0517	112.1705	6.8298	1076662.664	1407082.681	133.5638	1.7	GAVIONES
3494	71.165	106.1628	4.9626	1076660.992	1407082.904	134.763	1.7	GAVIONES
3495	345.1833	88.2045	46.2555	1076644.73	1407126.091	135.389	3.8	CULATA
3496	337.1622	93.2447	30.8623	1076644.563	1407109.782	134.3163	1.7	CULATA
3497	355.3502	91.5358	22.7349	1076654.719	1407104.027	135.4002	1.7	PARAMENTO
3498	16.1748	90.2815	31.1997	1076665.219	1407111.323	135.8973	1.7	PARAMENTO
3499	199.1918	90.1705	43.7329	1076642.035	1407040.095	135.2366	2.4	PARAMENTO
3500	142.3937	89.5637	58.563	1076692.028	1407034.832	136.2116	1.7	CERCA
3501	171.2615	91.5215	37.3386	1076662.059	1407044.473	134.9348	1.7	CERCA
3502	136.352	89.4102	70.1237	1076704.701	1407030.46	136.5408	1.7	CERCA
3503	136.3415	89.4427	85.1645	1076715.063	1407019.558	136.7393	1.5	CERCA
3504	149.5503	91.4928	29.0248	1076671.037	1407056.278	135.2297	1.7	CORONA
3505	189.1036	91.2928	43.7238	1076649.535	1407038.219	135.016	1.7	CULATA
3506	188.5934	91.1414	49.7115	1076648.741	1407032.279	135.0806	1.7	CULATA
3507	195.4118	96.0842	19.9337	1076651.133	1407062.289	134.0199	1.7	MURO CORONA
3508	194.4945	98.5255	19.6997	1076651.511	1407062.555	133.1121	1.7	MURO CORONA
3509	207.3926	89.1504	16.2948	1076648.926	1407066.937	136.3667	1.7	MURO CORONA
3510	225.0716	89.1128	16.9823	1076644.456	1407069.384	136.3934	1.7	MURO
3511	236.0059	95.0431	21.6459	1076638.61	1407069.311	133.9388	2	MURO
3512	79.4039	109.0446	5.0829	1076661.207	1407082.236	134.4922	1.7	MURO
3513	82.211	109.2756	5.3255	1076661.457	1407082.044	134.379	1.7	MURO
3514	148.2905	72.5759	0.8683	1076656.916	1407080.665	136.4081	1.7	MURO
3515	294.4528	86.4421	4.4849	1076652.414	1407083.246	136.4088	1.7	MURO
3516	302.0419	92.2524	5.5234	1076651.803	1407084.3	135.9202	1.7	MURO
3517	242.2949	91.121	26.7239	1076632.79	1407069.021	135.5928	1.7	CORONA
3518	243.0316	90.5535	34.7781	1076625.492	1407065.598	135.5915	1.7	CULATA
3519	252.134	90.5531	28.6814	1076629.177	1407072.604	135.6905	1.7	CORONA
3520	216.591	90.2633	43.7064	1076630.207	1407046.447	135.8164	1.7	VIA
3521	210.155	90.3646	44.5482	1076634.053	1407042.885	135.6773	1.7	VIA
3522	208.3334	90.255	59.246	1076628.188	1407029.321	135.7088	1.7	VIA
3523	213.1744	90.2201	62.7488	1076622.065	1407028.906	135.7521	1.7	VIA
3524	29.3837	89.4944	149.6364	1076694.071	1407154.711	135.9644	1.7	D-35 - D-32
3525	22.4907	89.414	43.8543	1076637.118	1407065.049	135.7501	1.7	PARAMENTO
3526	20.0739	89.2555	32.1114	1076631.166	1407054.773	135.8345	1.7	PARAMENTO
3527	10.1357	90.1253	32.2711	1076625.849	1407056.379	135.6953	1.4	PARAMENTO
3528	5.1527	89.3026	12.3954	1076621.263	1407036.961	135.5227	1.8	PARAMENTO
3529	35.2939	89.3949	49.8283	1076649.042	1407065.202	135.7089	1.8	CERCA
3530	46.02	89.1451	15.6422	1076631.385	1407035.483	135.7216	1.7	CERCA
3531	112.3728	87.0334	8.048	1076627.555	1407021.53	135.929	1.7	PARAMENTO
3532	201.4812	89.545	13.2132	1076615.233	1407012.347	135.536	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3533	176.0045	89.1052	45.4799	1076623.322	1406979.254	136.1663	1.7	PARAMENTO
3534	188.095	90.0341	42.8146	1076614.078	1406982.234	135.4705	1.7	PARAMENTO
3535	178.3345	89.1207	71.919	1076621.979	1406952.729	136.5183	1.7	PARAMENTO
3536	186.0149	89.4023	65.5281	1076613.287	1406959.449	135.8903	1.7	PARAMENTO
3537	178.5541	89.2345	95.4432	1076621.973	1406929.198	136.9232	1.3	PARAMENTO
3538	180.0322	89.1657	102.1645	1076620.092	1406922.461	136.7961	1.7	VIA
3539	184.1542	89.3312	104.8064	1076612.405	1406920.1	136.3337	1.7	VIA
3540	176.1422	89.1749	29.8391	1076622.108	1406994.846	135.8824	1.7	VIA
3541	184.4313	89.2113	29.2395	1076617.745	1406995.478	135.846	1.7	VIA
3542	174.1501	89.1101	31.609	1076623.318	1406993.173	135.9665	1.7	ALCANTARILLA
3543	175.5815	89.1519	31.4907	1076622.364	1406993.209	135.9254	1.7	ALCANTARILLA
3544	175.4325	89.1233	30.0843	1076622.394	1406994.621	135.9314	1.7	ALCANTARILLA
3545	174.5826	91.2853	30.7256	1076622.842	1406994.022	134.7218	1.7	NIVEL
3546	187.1301	90.1704	31.8421	1076616.152	1406993.026	135.3581	1.7	ALCANTARILLA
3547	185.4213	89.1419	31.2745	1076617.044	1406993.499	135.9318	1.7	ALCANTARILLA
3548	185.5005	89.1243	29.7494	1076617.127	1406995.024	135.9253	1.7	ALCANTARILLA
3549	186.4042	92.3311	30.5957	1076616.597	1406994.258	134.1532	1.7	NIVEL
3550	285.442	90.3403	17.568	1076603.223	1407029.373	135.3422	1.7	CULATA
3551	284.3207	91.3521	32.9329	1076588.263	1407032.862	135.5028	0.8	NIVEL
3552	122.1158	88.1546	29.3562	1076644.973	1407008.996	136.4061	1.7	CULATA
3553	120.59	89.035	56.9696	1076668.985	1406995.322	136.847	1.3	NIVEL
3554	121.1719	89.0341	75.8412	1076684.959	1406985.272	136.4587	2	CORONA QUEBRADA
3555	182.5943	89.1441	112.3141	1076614.329	1406912.464	136.9977	1.7	D-35 - D-81
3556	154.0013	83.052	48.2634	1076641.159	1406981.565	137.4237	5.6	CULATA
3557	2.5944	90.2954	112.3132	1076620.135	1407024.622	135.7769	1.7	D-81 - D-35
3558	5.265	90.3752	80.8654	1076621.96	1406992.963	135.8623	1.7	D-81 - D-81A
3559	33.4526	85.3558	49.1417	1076641.533	1406953.215	137.2235	5	CULATA
3560	88.2311	84.5031	26.5518	1076640.763	1406913.223	137.5399	3.3	CULATA
3561	85.3305	85.0043	11.3627	1076625.614	1406913.348	137.7407	1.7	PARAMENTO
3562	132.5035	87.2045	30.5353	1076636.706	1406891.735	138.1667	1.7	PARAMENTO
3563	112.3011	86.0544	35.6976	1076647.24	1406898.851	138.3835	2.5	CULATA
3564	139.5136	88.4122	81.1207	1076666.646	1406850.495	138.6083	1.7	VIA
3565	142.1803	88.3536	81.2951	1076664.064	1406848.188	138.7487	1.7	VIA
3566	144.4931	88.1908	77.9386	1076659.244	1406848.81	139.0396	1.7	PARAMENTO
3567	145.4416	87.5906	50.2194	1076642.608	1406871	138.5186	1.7	PARAMENTO
3568	166.1258	83.1915	32.3128	1076621.994	1406881.299	138.511	3.7	CULATA
3569	151.2952	87.1747	30.4292	1076628.849	1406885.76	138.188	1.7	PARAMENTO
3570	173.0146	82.2554	7.0956	1076615.187	1406905.482	137.6872	1.7	PARAMENTO
3571	204.5221	84.0918	9.8608	1076610.209	1406903.562	137.7569	1.7	CULATA CORONA
3572	111.3341	85.0529	6.8165	1076620.647	1406909.971	137.336	1.7	ALCANTARILLA
3573	101.2541	85.1331	5.9672	1076620.159	1406911.289	137.2494	1.7	ALCANTARILLA
3574	157.102	82.125	4.5082	1076616.065	1406908.348	137.3635	1.7	ALCANTARILLA
3575	155.292	80.3929	3.2252	1076615.651	1406909.569	137.2762	1.7	ALCANTARILLA
3576	163.531	98.0527	3.8692	1076615.395	1406908.784	136.2081	1.7	NIVEL
3577	149.0136	87.0946	20.8682	1076625.066	1406894.599	137.7857	1.7	VIA
3578	135.2831	87.203	20.6754	1076628.82	1406897.747	137.7117	1.7	VIA
3579	125.4545	86.1357	9.2487	1076621.821	1406907.074	137.3604	1.7	VIA
3580	150.3613	85.2104	8.3124	1076618.4	1406905.248	137.4264	1.7	VIA
3581	306.2625	92.5247	3.9084	1076611.188	1406914.78	136.5563	1.7	VIA
3582	304.2613	97.4638	25.1349	1076593.782	1406926.535	133.3514	1.7	VIA
3583	311.0717	98.1419	25.5718	1076595.255	1406929.097	133.0884	1.7	VIA
3584	304.3005	97.2249	47.396	1076575.578	1406939.066	130.6645	1.7	VIA
3585	308.2619	97.0838	47.3648	1076577.501	1406941.66	130.8626	1.7	VIA
3586	346.0653	90.4547	14.2901	1076610.893	1406926.333	136.5624	1.7	PARAMENTO
3587	319.2027	92.5308	28.4212	1076595.823	1406933.986	135.322	1.7	CULATA
3588	330.5652	91.2338	42.5099	1076593.671	1406949.602	135.4188	2	CULATA
3589	315.3657	93.5414	36.5987	1076588.774	1406938.544	134.2611	1.7	CORONA
3590	348.074	90.055	13.2094	1076611.605	1406925.389	136.7303	1.7	CORONA
3591	315.4951	93.1938	25.4817	1076596.594	1406930.7	135.2738	1.7	CORONA
3592	301.4609	97.2523	29.1768	1076589.723	1406927.682	132.9832	1.7	CORONA RIO
3593	277.0401	86.023	8.5073	1076605.906	1406913.503	137.34	1.7	CORONA RIO
3594	177.2624	87.2903	26.2192	1076615.514	1406886.296	137.9036	1.7	CORONA RIO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3595	293.1557	93.2352	84.9321	1076536.422	1406945.908	131.7196	1.7	D-81 - D-82
3596	275.3859	95.3246	42.2949	1076572.435	1406916.584	132.6652	1.7	CORONA RIO
3597	275.3859	95.3246	42.2923	1076572.437	1406916.584	132.6654	1.7	CORONA
3598	253.4336	97.0836	33.0047	1076582.898	1406903.269	132.6486	1.7	NIVEL
3599	220.3114	97.2515	33.9242	1076592.487	1406886.879	132.3713	1.7	NIVEL
3600	265.1501	93.3245	69.9126	1076544.794	1406906.646	132.429	1.7	NIVEL
3601	234.0628	94.0639	57.1096	1076568.202	1406879.042	132.9589	1.4	NIVEL
3602	253.072	92.4824	92.7887	1076525.659	1406885.506	132.2097	1.7	NIVEL
3603	231.1857	92.4947	86.6078	1076546.836	1406858.359	132.8777	1.3	NIVEL
3604	252.1651	92.091	113.2253	1076506.571	1406877.967	132.5003	1.7	NIVEL
3605	230.3553	92.2707	103.1981	1076534.697	1406846.973	132.8385	1.2	NIVEL
3606	230.3553	91.5402	133.1951	1076511.512	1406827.906	132.8365	1.2	NIVEL
3607	219.3756	92.1756	105.2237	1076547.312	1406831.452	133.0325	1.2	NIVEL
3608	255.4203	91.1405	106.9201	1076510.761	1406886.003	134.4493	1.7	NIVEL
3609	259.3453	91.3936	87.5439	1076528.274	1406896.59	134.2173	1.7	NIVEL
3610	271.0309	93.1657	77.4389	1076537.03	1406913.84	132.3191	1.7	NIVEL
3611	271.0301	92.2226	97.4025	1076517.026	1406914.192	132.7188	1.7	NIVEL
3612	139.2319	89.3043	134.3482	1076701.835	1406810.528	137.898	1.7	D-81 - D-83
3613	185.2648	89.0331	80.8806	1076614.329	1406912.454	137.0214	1.7	D-81A - D-81
3614	277.5421	93.024	8.4898	1076613.562	1406994.125	135.2414	1.7	PARAMENTO
3615	298.0122	91.3719	10.4546	1076612.732	1406997.868	135.3964	1.7	PARAMENTO
3616	279.0405	92.2452	30.5804	1076591.785	1406997.762	134.404	1.7	PARAMENTO
3617	286.0456	92.5212	33.8067	1076589.511	1407002.298	134.3997	1.3	PARAMENTO
3618	282.2143	92.2311	52.2071	1076571.001	1407004.101	133.5188	1.7	CULATA
3619	284.0207	91.5058	73.9282	1076550.266	1407010.842	133.3067	1.7	NIVEL
3620	299.1118	91.4659	76.5468	1076555.144	1407030.238	133.311	1.7	NIVEL
3621	319.2319	90.1701	134.3413	1076614.332	1406912.461	136.9945	1.75	D-83 - D-81
3622	309.5449	88.2345	40.8037	1076670.535	1406836.681	138.8003	1.75	PARAMENTO
3623	324.4926	88.3646	35.2507	1076681.517	1406839.321	138.5115	1.75	PARAMENTO
3624	298.4626	87.1355	18.5822	1076685.561	1406819.453	138.5554	1.75	PARAMENTO
3625	324.5148	88.1228	25.8356	1076686.961	1406831.637	138.4661	1.75	PARAMENTO
3626	71.381	88.2508	9.8922	1076711.218	1406813.648	137.9309	1.75	PARAMENTO
3627	138.1412	88.5709	14.9922	1076711.825	1406799.352	137.9321	1.75	PARAMENTO
3628	127.5205	89.0322	14.7348	1076713.47	1406801.49	137.9008	1.75	PARAMENTO
3629	112.0314	90.3025	52.6969	1076750.685	1406790.77	138.842	0.1	PARAMENTO
3630	123.0935	88.3803	53.295	1076746.454	1406781.41	138.9784	1.7	CERCA
3631	117.0039	89.0516	79.3326	1076772.525	1406774.543	138.9713	1.7	PARAMENTO
3632	122.5303	88.4125	64.2116	1076755.763	1406775.704	139.176	1.7	CERCA
3633	119.3231	89.0722	19.5079	1076718.81	1406800.92	138.0067	1.7	VIA
3634	106.3509	89.082	20.3921	1076721.38	1406804.718	138.0145	1.7	PARAMENTO
3635	122.52	89.1726	103.3219	1076788.644	1406754.51	138.988	1.7	VIA
3636	116.5426	88.5121	59.7027	1076755.079	1406783.545	138.9005	1.7	VIA
3637	121.4147	88.5525	59.783	1076752.709	1406779.151	138.8312	1.7	VIA
3638	125.5411	89.164	89.3491	1076774.232	1406758.177	138.8346	1.7	VIA
3639	121.5753	89.1639	90.9443	1076779.011	1406762.429	138.8554	1.7	VIA
3640	129.3017	89.3422	116.786	1076791.983	1406736.288	138.58	1.7	VIA
3641	131.1617	89.3101	113.2091	1076786.961	1406735.903	138.6632	1.7	VIA
3642	137.5531	89.2511	120.6126	1076782.704	1406721.051	138.9307	1.7	D-83 - D-84
3643	128.4943	89.0907	82.9935	1076766.511	1406758.534	138.9369	1.7	CORONA
3644	138.0014	89.3837	117.6276	1076780.585	1406723.154	138.4406	1.7	CORONA
3645	133.4409	88.5954	59.4945	1076744.838	1406769.428	138.7483	1.7	CORONA
3646	137.4659	89.2207	44.1326	1076731.506	1406777.862	138.1944	1.7	CORONA
3647	344.1932	89.3702	55.2794	1076686.87	1406863.742	138.0775	1.7	CULATA
3648	351.4203	90.1603	31.1835	1076697.316	1406841.382	137.5625	1.7	CULATA
3649	90.554	84.4332	35.2068	1076736.888	1406809.98	137.7446	4.9	CULATA
3650	104.2113	85.2514	59.0988	1076758.914	1406795.956	138.5269	5.6	CULATA
3651	286.0017	82.1745	34.6903	1076668.785	1406819.987	138.8585	5.2	CULATA
3652	290.2643	85.4215	64.753	1076641.318	1406833.049	139.0587	5.2	CULATA
3653	317.5529	90.2144	120.617	1076701.828	1406810.533	137.8942	1.75	D-84 - D-83
3654	69.5528	90.5342	20.9236	1076802.349	1406728.243	138.3289	1.75	CASA
3655	43.1502	91.105	16.9937	1076794.338	1406733.432	138.3056	1.75	CASA
3656	39.1812	91.1048	24.4088	1076798.151	1406739.943	138.153	1.75	CASA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3657	22.513	90.2801	25.3732	1076792.546	1406744.436	138.449	1.75	PARAMENTO
3658	29.5026	91.4858	43.3599	1076804.247	1406758.655	137.2817	1.75	CULATA
3659	353.5849	89.4918	44.5618	1076778.005	1406765.364	138.7944	1.75	PARAMENTO
3660	355.0356	87.0131	63.2728	1076777.233	1406784.001	138.6894	5	CULATA
3661	39.1753	90.4756	60.0339	1076820.696	1406767.525	137.8689	1.7	PARAMENTO
3662	32.0336	91.26	60.24	1076814.64	1406772.106	138.0992	0.8	PARAMENTO
3663	29.4449	89.5032	72.3729	1076818.577	1406783.907	137.8055	2.8	CULATA
3664	21.1408	90.3405	74.0795	1076809.495	1406790.112	137.9717	1.7	NIVEL
3665	313.1852	90.3815	103.9056	1076707.066	1406792.283	137.5504	1.7	CULATA CERCA
3666	305.3509	90.2853	102.7707	1076699.095	1406780.806	137.8429	1.7	CERCA CORONA
3667	313.0958	90.3413	83.7097	1076721.619	1406778.28	137.873	1.7	CORONA
3668	306.1522	91.5737	92.9448	1076707.767	1406775.943	135.527	1.7	PATA
3669	304.5126	92.4712	78.1126	1076718.657	1406765.605	134.9086	1.7	CERCA
3670	310.3111	92.4913	76.1846	1076724.832	1406770.456	134.9576	1.7	PATA
3671	303.1808	94.4406	48.6156	1076742.195	1406747.629	134.6929	1.7	CERCA
3672	315.3736	93.53	59.3077	1076741.299	1406763.323	134.6893	1.7	PATA
3673	326.1457	96.1821	35.8909	1076762.867	1406750.701	134.7637	1.7	CERCA
3674	290.0559	103.0818	16.5542	1076767.561	1406726.582	134.9429	1.7	PATA
3675	340.195	97.4839	25.9742	1076774.028	1406745.277	135.1757	1.7	CERCA
3676	235.2021	102.0334	14.997	1076770.645	1406712.703	135.4724	1.8	PATA CERCA
3677	333.5247	109.063	10.1799	1076778.464	1406729.685	135.2733	1.8	PATA
3678	2.043	92.2017	16.3501	1076783.286	1406737.377	137.9387	1.8	CORONA
3679	228.4634	95.3434	36.5658	1076755.345	1406697.052	135.0528	1.8	PATA
3680	223.2358	89.0132	8.3281	1076776.986	1406714.997	138.8473	1.7	CORONA
3681	229.064	93.0209	67.3066	1076731.917	1406677.025	135.1415	1.7	PATA
3682	213.5046	89.063	30.0311	1076765.994	1406696.102	139.1731	1.7	CORONA
3683	217.433	89.3739	55.2433	1076748.927	1406677.337	139.0651	1.7	CORONA
3684	222.35	89.4329	86.0809	1076724.492	1406657.638	139.1196	1.7	CORONA
3685	226.2601	92.0126	84.783	1076721.343	1406662.62	135.7118	1.7	PATA
3686	218.4251	89.1659	92.8792	1076724.659	1406648.552	139.8685	1.7	CORONA
3687	225.5836	91.3939	107.9964	1076705.123	1406645.986	135.5767	1.7	PATA
3688	226.4013	91.1611	122.3012	1076693.809	1406637.098	135.9963	1.7	PATA
3689	221.0605	89.4303	115.23	1076707.002	1406634.177	139.2748	1.7	CORONA
3690	226.3934	91.021	152.3544	1076671.975	1406616.439	135.9526	1.7	PATA
3691	218.4311	89.3427	125.0763	1076704.524	1406623.422	139.6364	1.7	PATA
3692	215.4626	89.1922	119.0281	1076713.181	1406624.447	140.1134	1.7	PATA
3693	217.1009	89.2643	115.8287	1076712.779	1406628.717	139.828	1.7	CASA
3694	212.4745	89.151	108.7955	1076723.832	1406629.571	140.1252	1.7	CASA
3695	207.2317	89.135	126.5719	1076724.548	1406608.643	140.4064	1.7	CASA
3696	242.1811	91.344	117.2723	1076678.939	1406666.505	135.4777	1.7	NIVEL
3697	242.1825	91.1308	142.2892	1076656.78	1406654.867	135.68	1.7	NIVEL
3698	242.1901	93.4239	55.9067	1076733.315	1406695.104	135.0875	1.7	NIVEL
3699	264.222	92.4349	70.5799	1076712.548	1406714.097	135.344	1.7	NIVEL
3700	255.4422	91.3913	118.7321	1076667.695	1406691.75	135.2804	1.7	NIVEL
3701	255.4421	91.2457	146.7101	1076640.578	1406684.841	135.0819	1.7	NIVEL
3702	276.4807	92.1743	92.0519	1076691.367	1406731.892	135.0198	1.7	NIVEL
3703	273.3925	91.4247	116.8657	1076666.124	1406728.435	135.2129	1.7	NIVEL
3704	273.394	91.2745	136.8562	1076646.166	1406729.71	133.2142	3.7	NIVEL
3705	285.0756	91.5542	111.6695	1076674.951	1406750.124	134.9488	1.7	NIVEL
3706	285.08	91.3427	136.6594	1076650.813	1406756.639	132.9529	3.7	NIVEL
3707	75.3001	89.2334	6.1343	1076788.641	1406722.59	138.7707	1.7	VIA
3708	70.4725	91.3442	11.5872	1076793.639	1406724.868	138.3865	1.7	VIA
3709	87.1555	91.5852	19.7958	1076802.465	1406722.006	138.0214	1.7	VIA
3710	91.0757	91.4814	25.6429	1076808.329	1406720.559	137.8986	1.7	VIA
3711	133.2428	91.1146	20.7355	1076797.772	1406706.813	138.2728	1.7	VIA
3712	153.4049	89.4545	19.7223	1076791.458	1406703.378	138.7875	1.7	VIA
3713	98.233	89.4723	55.7897	1076837.9	1406712.94	138.9107	1.7	D-84 - D-84A
3715	278.233	89.4123	55.7904	1076782.703	1406721.051	138.9431	1.7	D-85 - D-84
3716	323.1907	91.2528	37.3253	1076815.593	1406742.852	137.7129	1.7	VIA
3717	326.4224	91.1726	33.1624	1076819.685	1406740.642	137.8939	1.7	VIA
3718	4.5639	90.3244	62.9396	1076843.289	1406775.646	138.0417	1.7	VIA
3719	5.1928	90.244	76.1937	1076844.927	1406788.807	138.0945	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3720	16.5651	89.3136	119.6421	1076872.709	1406827.402	139.6303	1.7	VIA
3721	19.0608	89.32	118.0481	1076876.467	1406824.506	139.6034	1.7	VIA
3722	17.2717	89.0627	128.4922	1076876.367	1406835.523	140.6434	1.7	PUENTE
3723	19.3354	89.4441	128.2383	1076880.775	1406833.797	140.913	0	PUENTE
3724	19.5722	89.4026	156.4535	1076891.213	1406860.027	140.7325	0.5	PUENTE
3725	18.1035	89.155	156.7129	1076886.697	1406861.848	140.656	1.7	PUENTE
3726	18.2453	89.2409	159.94	1076888.335	1406864.71	140.1599	1.85	D-85 - D-23
3727	345.2932	90.391	53.623	1076824.438	1406764.842	137.88	1.85	PARAMENTO
3728	358.4049	90.263	68.2444	1076836.29	1406781.163	137.9651	1.85	PARAMENTO
3729	0.4547	90.3025	82.7215	1076838.955	1406795.651	137.9091	1.7	CASA
3730	4.4759	90.2845	81.0851	1076844.639	1406793.742	137.9629	1.7	CASA
3731	5.2753	90.1356	85.2856	1076845.974	1406797.842	138.2953	1.7	CASA
3732	20.4742	90.1241	120.3813	1076880.574	1406825.503	138.1976	1.7	MURO
3733	21.0841	90.1732	126.1641	1076883.343	1406830.634	137.9982	1.7	MURO
3734	20.0825	89.4902	126.8579	1076881.512	1406832.065	138.2467	2.5	MURO
3735	21.4308	90.0947	133.3788	1076887.187	1406836.878	138.2626	1.7	CORONA
3736	30.1624	89.2659	98.1295	1076887.319	1406797.712	139.5837	1.7	CORONA
3737	31.5137	90.0907	133.2353	1076908.164	1406826.141	138.2885	1.7	CORONA
3738	24.5625	90.0404	73.6803	1076868.931	1406779.767	138.5539	1.7	CORONA
3739	39.1243	90.2241	141.4487	1076927.259	1406822.585	137.7085	1.7	CORONA
3740	21.1611	90.1047	33.1404	1076849.905	1406743.83	138.5368	1.7	CORONA
3741	42.0613	90.1817	127.4061	1076923.268	1406807.514	137.9643	1.7	CORONA
3742	203.0445	90.2942	18.4665	1076830.671	1406695.948	138.4812	1.7	LAGO
3743	228.1924	90.5841	8.8726	1076831.277	1406707.037	138.4893	1.7	LAGO
3744	270.0059	90.4231	12.5136	1076825.388	1406712.936	138.486	1.7	LAGO
3745	257.2805	90.235	25.9024	1076812.619	1406707.305	138.4612	1.7	LAGO
3746	222.4711	90.1241	48.2001	1076805.18	1406677.548	138.463	1.7	LAGO
3747	206.3621	90.0808	62.6277	1076809.884	1406656.928	138.4928	1.7	LAGO
3748	202.0814	90.094	46.5333	1076820.39	1406669.827	138.5101	1.7	LAGO
3749	42.5402	90.1229	99.8601	1076905.836	1406786.129	138.2788	1.7	CORONA
3750	44.3051	89.2601	70.5816	1076887.353	1406763.296	139.3388	1.7	CORONA
3751	174.0035	89.2932	92.8843	1076847.646	1406620.572	139.4643	1.7	CORONA
3752	51.4018	88.5118	56.9946	1076882.582	1406748.304	139.7797	1.7	CORONA
3753	75.5643	87.5755	55.4988	1076891.696	1406726.44	140.6113	1.7	CORONA
3754	153.4852	88.4602	107.7419	1076885.488	1406616.305	140.9594	1.7	CORONA
3755	85.2422	88.2253	65.8448	1076903.504	1406718.249	140.501	1.7	CORONA
3756	138.4531	89.0508	134.8448	1076926.84	1406611.608	140.7936	1.7	CORONA
3757	90.4109	89.0512	97.3705	1076935.252	1406711.83	139.8934	2	CORONA
3758	147.132	89.1008	154.3642	1076921.535	1406583.215	140.8815	1.7	CORONA
3759	99.0149	88.18	108.5463	1076945.064	1406695.971	140.1616	3.4	CORONA
3760	159.0458	89.1608	200.1518	1076909.458	1406526.035	141.197	1.7	NIVEL
3761	105.254	89.0125	87.4294	1076922.18	1406689.733	140.1309	1.7	NIVEL
3762	163.1833	89.1516	199.1773	1076895.209	1406522.203	141.2352	1.7	NIVEL
3763	109.5719	88.0017	66.4815	1076900.365	1406690.3	140.9556	1.7	CERRAMIENTO
3764	122.3246	87.4006	48.9125	1076879.112	1406686.671	140.6308	1.7	CERRAMIENTO
3765	138.1211	88.0918	65.7291	1076881.713	1406663.988	140.7573	1.7	CERRAMIENTO
3766	161.3114	89.1531	228.6823	1076910.501	1406496.108	141.6038	1.7	NIVEL
3767	176.5754	89.1614	217.7011	1076849.549	1406495.568	141.4153	1.7	NIVEL
3768	190.3703	89.2328	221.3023	1076797.251	1406495.416	140.9962	1.7	NIVEL
3769	194.0525	89.3245	165.5348	1076797.693	1406552.368	139.9549	1.7	NIVEL
3770	183.3746	89.0732	152.7161	1076828.32	1406560.543	140.973	1.7	NIVEL
3771	170.4013	89.2657	140.2809	1076860.719	1406574.534	139.9904	1.7	NIVEL
3772	157.2638	89.1613	135.4556	1076889.926	1406587.886	140.3668	1.7	NIVEL
3773	144.202	89.0753	149.0931	1076924.878	1406591.868	140.9026	1.7	NIVEL
3774	226.1934	89.3323	101.6699	1076764.406	1406642.692	139.4284	1.7	NIVEL
3775	223.3637	89.4031	58.8777	1076797.314	1406670.287	138.9746	1.7	VIA
3776	226.3054	89.4415	64.0131	1076791.481	1406668.863	138.9341	1.7	VIA
3777	215.0509	89.3727	163.8417	1076743.802	1406578.819	139.7171	1.7	VIA
3778	205.3537	89.382	109.8538	1076790.502	1406613.84	139.3339	1.7	VIA
3779	202.513	89.3734	108.4289	1076795.838	1406613.004	139.3492	1.7	VIA
3780	209.3659	89.2624	229.3142	1076724.694	1406513.53	140.8851	1.7	VIA
3781	195.3946	89.3326	161.1937	1076794.471	1406557.712	139.8881	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3782	197.1551	89.3506	163.2007	1076789.555	1406557.069	139.8246	1.7	VIA
3783	202.3725	89.2303	272.4055	1076733.261	1406461.451	141.5738	1.7	VIA
3784	189.4715	89.2522	238.1275	1076797.555	1406478.267	141.0435	1.7	VIA
3785	189.2613	89.253	243.0655	1076798.184	1406473.154	141.0845	1.7	VIA
3786	190.304	89.2438	245.7555	1076793.208	1406471.296	141.173	1.7	VIA
3787	191.0941	89.2516	240.532	1076791.475	1406476.943	141.0745	1.7	NIVEL
3788	201.5949	89.2146	303.7113	1076724.309	1406431.291	142.0246	1.7	NIVEL
3789	208.0252	89.2534	298.3606	1076697.765	1406449.554	141.6356	1.7	NIVEL
3790	191.3903	89.252	238.3803	1076789.895	1406479.456	141.0479	1.7	D-85 - D-86
3791	211.3545	89.3115	301.5089	1076680.083	1406456.045	141.1677	1.7	CORONA
3792	217.2823	89.2617	294.0876	1076659.122	1406479.451	141.5304	1.7	CORONA
3793	220.2552	89.345	267.6164	1076664.463	1406509.141	140.6041	1.7	CORONA
3794	223.5907	89.2919	241.0257	1076670.619	1406539.43	140.7962	1.7	CORONA
3795	193.2551	89.24	219.3139	1076787.084	1406499.607	140.9403	1.7	NIVEL
3796	200.2835	89.3229	140.1077	1076788.963	1406581.661	139.7637	1.7	NIVEL
3797	197.2202	89.2846	134.1184	1076797.941	1406584.918	139.8605	1.7	NIVEL
3798	218.0633	89.523	108.3197	1076771.098	1406627.673	138.878	1.7	PANTANO
3799	214.5638	89.4721	83.3572	1076790.194	1406644.584	138.948	1.7	PANTANO
3800	221.032	89.5432	90.6054	1076778.43	1406644.583	138.7853	1.7	PANTANO
3801	218.0236	89.51	76.9131	1076790.536	1406652.341	138.8425	1.7	PANTANO
3802	221.5327	89.5335	72.6398	1076789.428	1406658.838	138.7765	1.7	PANTANO
3803	217.4456	89.4646	74.9377	1076792.057	1406653.661	138.9294	1.7	ALCANTARILLA
3804	217.0958	89.3829	75.84	1076792.118	1406652.479	139.1158	1.7	ALCANTARILLA
3805	216.3437	89.4834	68.9042	1076796.872	1406657.583	138.8702	1.7	ALCANTARILLA
3806	217.1057	89.4441	67.8595	1076796.92	1406658.853	138.9434	1.7	ALCANTARILLA
3807	335.0604	91.0227	36.2022	1076822.642	1406745.763	137.9831	1.7	ALCANTARILLA
3808	336.3813	91.0228	36.6731	1076823.341	1406746.592	137.9744	1.7	ALCANTARILLA
3809	336.2003	92.2439	36.4318	1076823.27	1406746.27	137.1083	1.7	NIVEL
3810	333.5354	91.0058	41.1981	1076819.756	1406749.92	137.9101	1.7	NIVEL
3811	332.4509	91.0058	40.8921	1076819.161	1406749.278	137.9156	1.7	NIVEL
3812	333.1409	92.1531	41.3756	1076819.262	1406749.844	137.0103	1.7	NIVEL
3813	331.5218	91.3053	56.3885	1076811.297	1406762.636	137.1504	1.7	CANAL
3814	330.0514	91.5956	54.8497	1076810.537	1406760.438	136.7277	1.7	CANAL
3815	328.2528	91.3209	53.5767	1076809.83	1406758.552	137.2048	1.7	CANAL
3816	326.012	91.5109	82.1961	1076791.949	1406781.04	137.1842	0.5	CANAL
3817	325.0159	91.5929	82.2466	1076790.755	1406780.272	135.7831	1.7	CANAL
3818	324.1658	92.0704	82.0536	1076789.993	1406779.487	136.8089	0.5	CANAL
3819	11.3902	90.2655	238.3819	1076837.901	1406712.947	138.9657	1.7	D-86 - D-85
3820	89.5037	89.2842	73.4506	1076863.342	1406479.698	141.4969	1.7	VIA
3821	86.251	89.2328	73.7215	1076863.466	1406484.101	141.6116	1.7	VIA
3822	85.4443	89.3552	118.668	1076908.228	1406488.327	141.6616	1.7	VIA
3823	88.2314	89.3322	115.2848	1076905.129	1406482.766	141.7217	1.7	VIA
3824	88.4058	89.331	120.1194	1076909.977	1406482.285	141.7666	1.7	VIA
3825	85.4845	89.4214	164.062	1076953.51	1406491.529	141.6774	1.7	VIA
3826	87.2014	89.4118	163.8662	1076953.578	1406487.161	141.7209	1.7	VIA
3827	87.3741	89.4551	191.8447	1076981.569	1406487.505	141.6198	1.7	NIVEL
3828	88.4158	89.5931	163.9204	1076953.771	1406483.269	141.7529	0.8	PARAMENTO
3829	89.5358	90.1321	122.4874	1076912.381	1406479.74	141.8533	0.2	PARAMENTO
3830	90.083	90.0315	113.8469	1076903.742	1406479.239	142.1214	0.3	PARAMENTO
3831	140.4826	88.4426	42.023	1076816.463	1406446.91	141.7517	1.7	D-86 - D-87
3832	94.1156	89.5229	61.789	1076851.521	1406474.967	141.4633	1.2	PARAMENTO
3833	103.1808	89.1504	30.2932	1076819.377	1406472.503	141.224	1.7	PARAMENTO
3834	131.0414	89.4743	41.2387	1076821	1406452.38	141.4753	1.2	PARAMENTO
3835	140.3237	88.4919	50.2959	1076821.873	1406440.648	141.8621	1.7	PARAMENTO
3836	150.2546	88.3833	67.8196	1076823.388	1406420.505	142.435	1.7	PARAMENTO
3837	159.3654	88.3048	67.6652	1076813.493	1406416.063	142.5838	1.7	PARAMENTO
3838	157.5447	88.4657	80.5063	1076820.202	1406404.891	142.5388	1.7	PARAMENTO
3839	157.412	88.4939	87.6009	1076823.19	1406398.449	142.6209	1.7	PARAMENTO
3840	150.5034	88.4849	74.6336	1076826.286	1406414.314	142.3737	1.7	D-86 - D-88
3841	155.5323	88.5414	86.3826	1076825.22	1406400.644	142.481	1.7	VIA
3842	155.5121	88.5333	82.7351	1076823.773	1406403.992	142.4275	1.7	VIA
3843	151.4551	88.5121	77.044	1076826.376	1406411.614	142.3668	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
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3844	152.2154	88.4901	70.6354	1076822.687	1406416.91	142.2867	1.7	VIA
3845	150.1856	88.49	42.4372	1076810.927	1406442.608	141.7045	1.7	VIA
3846	150.322	88.5023	36.4394	1076807.832	1406447.745	141.5659	1.7	VIA
3847	158.2347	88.5357	40.2456	1076804.731	1406442.053	141.6012	1.7	VIA
3848	169.0637	88.291	31.1739	1076795.8	1406448.857	141.6515	1.7	CASA
3849	175.1315	88.4935	22.0771	1076791.747	1406457.461	141.6801	1.3	CASA
3850	194.3648	88.4148	27.5302	1076782.966	1406452.819	141.4541	1.7	CASA
3851	204.4034	88.5436	78.3377	1076757.236	1406408.266	142.3186	1.7	CASA
3852	209.1214	88.4411	66.5207	1076757.479	1406421.386	142.2951	1.7	CASA
3853	218.0057	88.5805	74.6738	1076743.946	1406420.608	142.1732	1.7	CASA
3854	274.3856	90.1028	141.5849	1076648.77	1406490.851	140.398	1.7	D-86 - D-86A
3855	320.4826	90.3603	42.0123	1076789.897	1406479.454	141.0662	1.7	D-87 - D-86
3856	89.4021	89.3337	43.9304	1076860.391	1406447.186	141.8441	1.7	VIA
3857	84.4744	89.334	44.4175	1076860.694	1406450.964	141.8471	1.7	VIA
3858	83.5819	89.4614	91.5235	1076907.474	1406456.573	141.8739	1.7	VIA
3859	87.4612	89.4339	91.412	1076907.803	1406450.519	141.9418	1.7	VIA
3860	87.3418	89.4437	95.773	1076912.147	1406451.022	141.9358	1.7	VIA
3861	84.3229	89.4702	96.1372	1076912.158	1406456.109	141.8699	1.7	VIA
3862	86.361	90.0144	165.2038	1076981.371	1406456.793	141.4251	1.7	VIA
3863	84.2628	89.5827	164.1808	1076979.862	1406462.906	141.5822	1.7	VIA
3864	87.3602	89.5955	163.5262	1076979.842	1406453.848	141.5127	1.7	PARAMENTO
3865	83.5343	90.0914	175.7053	1076991.161	1406465.694	141.0367	1.7	PARAMENTO
3866	89.4128	90.1611	97.431	1076913.891	1406447.491	142.1485	0.6	PARAMENTO
3867	82.2153	90.2829	97.3036	1076912.893	1406459.893	141.901	0.5	PARAMENTO
3868	89.4503	90.0511	90.9668	1076907.428	1406447.357	142.0699	1	PARAMENTO
3869	82.1624	90.2143	90.345	1076905.979	1406459.107	142.1367	0.5	PARAMENTO
3870	95.4928	89.3646	37.2121	1076853.484	1406443.155	142.0582	1.4	PARAMENTO
3871	78.202	90.0546	41.6045	1076857.204	1406455.342	141.7371	1.4	PARAMENTO
3872	201.2514	89.0125	59.1307	1076794.902	1406391.86	142.5146	1.7	PARAMENTO
3873	214.535	89.195	73.1789	1076774.634	1406386.87	142.3621	1.7	PARAMENTO
3874	226.5401	90.0435	98.393	1076744.658	1406379.64	141.376	1.7	PARAMENTO
3875	225.1253	89.3615	86.5054	1076755.101	1406385.938	142.1047	1.7	CERCA
3876	208.0522	89.0341	59.213	1076788.616	1406394.663	142.4769	1.7	CERCA
3877	192.1301	88.4517	49.0889	1076806.105	1406398.938	142.5736	1.7	CERCA
3878	214.4807	88.0954	106.001	1076756.044	1406359.88	141.0015	5.6	CULATA
3879	330.5034	90.493	74.6202	1076789.897	1406479.451	141.0696	1.7	D-88 - D-86
3880	81.4933	89.4144	43.1218	1076868.966	1406420.469	142.373	1.7	VIA
3881	87.2637	89.3456	42.4132	1076868.655	1406416.23	142.453	1.7	VIA
3882	82.5934	89.5203	84.2019	1076909.853	1406424.633	142.339	1.7	VIA
3883	83.0059	89.5537	88.9473	1076914.567	1406425.179	142.2576	1.7	VIA
3884	86.4025	89.4716	84.3913	1076910.532	1406419.258	142.4567	1.7	VIA
3885	86.5013	89.4836	87.6104	1076913.76	1406419.198	142.4348	1.7	VIA
3886	86.2129	90.1636	157.4251	1076983.386	1406424.403	141.3852	1.7	VIA
3887	84.0601	90.1804	157.5607	1076983.001	1406430.598	141.3171	1.7	VIA
3888	83.0748	90.072	156.2479	1076981.401	1406433.092	141.5121	2	PARAMENTO
3889	88.0519	90.16	120.3326	1076946.548	1406418.396	142.2845	1	PARAMENTO
3890	81.2406	90.2809	89.9614	1076915.226	1406427.814	142.6077	0.5	PARAMENTO
3891	88.5541	89.543	90.4526	1076916.722	1406416.057	142.2888	1.7	PARAMENTO
3892	80.5855	90.1033	82.3152	1076907.576	1406427.263	142.2916	1.3	PARAMENTO
3893	89.3341	89.5807	82.515	1076908.799	1406414.992	142.2895	1.6	PARAMENTO
3894	104.3702	90.2319	16.6198	1076842.37	1406410.129	142.431	1.3	PARAMENTO
3895	144.0111	91.2726	29.9964	1076843.918	1406390.058	142.7809	0.3	PARAMENTO
3896	159.4442	90.0153	72.7413	1076851.508	1406346.085	142.1041	1.7	PARAMENTO
3897	149.3945	89.2958	37.6792	1076845.335	1406381.806	142.4729	1.7	D-88 - D-89
3898	152.1156	90.0317	119.2739	1076881.976	1406308.839	142.0307	1.7	D-88 - D-90
3899	152.3759	90.0356	121.4553	1076882.179	1406306.484	142.0055	1.7	VIA
3900	152.0933	90.0033	114.7148	1076879.918	1406312.908	142.1261	1.7	VIA
3901	155.3521	90.0101	117.3553	1076874.847	1406307.477	142.1098	1.7	VIA
3902	156.1526	90.1415	76.8267	1076857.259	1406344.008	141.8256	1.7	ALCANTARILLA
3903	155.47	89.5622	75.994	1076857.497	1406345.025	142.2243	1.7	ALCANTARILLA
3904	155.5315	89.5759	74.5467	1076856.779	1406346.289	142.1877	1.7	ALCANTARILLA
3905	155.5358	90.5405	75.332	1076857.083	1406345.575	140.9591	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3906	152.1329	89.5138	74.1826	1076860.893	1406348.698	142.3247	1.7	ALCANTARILLA
3907	152.1447	89.5239	75.5424	1076861.502	1406347.482	142.3055	1.7	ALCANTARILLA
3908	151.2321	90.5825	74.8161	1076862.145	1406348.663	140.8727	1.7	NIVEL
3909	150.0035	89.3348	40.1285	1076846.364	1406379.571	142.4496	1.7	VIA
3910	150.2108	89.2947	33.1845	1076842.717	1406385.484	142.4355	1.7	VIA
3911	161.1318	89.3625	38.3548	1076838.653	1406378.009	142.4069	1.7	VIA
3912	329.3945	89.4437	37.6756	1076826.288	1406414.312	142.3916	1.7	D-89 - D-88
3913	139.2828	89.2134	29.2613	1076864.361	1406359.577	142.5501	1.7	PARAMENTO
3914	96.4938	89.1824	17.5329	1076862.744	1406379.732	142.4351	1.7	PARAMENTO
3915	90.2109	89.3411	41.9035	1076887.237	1406381.572	142.5376	1.7	PARAMENTO
3916	73.5918	89.3206	41.5667	1076885.282	1406393.294	142.5604	1.7	PARAMENTO
3917	78.102	89.4627	65.9601	1076909.887	1406395.363	142.4831	1.7	PARAMENTO
3918	88.3251	89.5449	65.4598	1076910.773	1406383.503	142.472	1.55	PARAMENTO
3919	85.4525	89.5913	116.8046	1076961.815	1406390.514	142.4004	1.55	VIA
3920	79.1701	90.0004	116.2176	1076959.514	1406403.481	142.2218	1.7	VIA
3921	81.1343	90.3438	160.4436	1077003.881	1406406.361	140.6081	1.7	VIA
3922	85.5506	90.2824	157.5051	1077002.429	1406393.106	140.9236	1.7	VIA
3923	86.054	89.5013	70.4161	1076915.585	1406386.642	142.4236	1.7	VIA
3924	81.1015	89.4906	71.2568	1076915.741	1406392.783	142.4491	1.7	VIA
3925	80.5444	89.4617	67.7152	1076912.194	1406392.539	142.4935	1.7	VIA
3926	252.2332	89.5842	30.8593	1076815.927	1406372.455	142.6346	1.3	CULATA
3927	219.103	89.2208	39.466	1076820.424	1406351.199	143.0576	1.3	CULATA
3928	219.1031	89.2208	39.4685	1076820.422	1406351.197	142.6578	1.7	CULATA
3929	169.2536	90.3959	37.9054	1076852.312	1406344.551	141.7822	1.7	CULATA
3930	166.0448	90.2849	37.8958	1076854.473	1406345.03	141.9053	1.7	CERCA
3931	140.4938	90.2401	48.9623	1076876.284	1406343.867	141.8811	1.7	CASA
3932	150.0627	90.1442	48.2476	1076869.404	1406339.991	142.0167	1.7	CASA
3933	149.58	89.581	62.601	1076876.698	1406327.628	142.2567	1.7	CASA
3934	332.1157	89.4146	119.2605	1076826.294	1406414.301	142.3892	1.75	D-90 - D-89
3935	6.5629	89.2415	52.9674	1076888.347	1406361.419	142.3067	1.75	PARAMENTO
3936	5.2428	88.5121	60.045	1076887.6	1406368.608	142.3049	2.4	PARAMENTO
3937	24.4125	89.2927	71.0468	1076911.615	1406373.405	142.4373	1.7	PARAMENTO
3938	137.5705	95.2925	10.9479	1076889.279	1406300.751	140.7583	1.7	CASA
3939	120.452	88.3402	7.8862	1076888.753	1406304.811	142.0029	1.7	CASA
3940	104.3418	89.1043	12.142	1076893.728	1406305.791	141.9798	1.7	CASA
3941	260.0345	85.2824	29.249	1076853.258	1406303.791	142.0142	3.8	CASA
3942	272.3916	87.3936	17.2108	1076864.797	1406309.626	142.4084	1.8	CASA
3943	308.092	86.523	32.9495	1076856.093	1406329.15	142.152	3.15	CASA
3944	165.2456	91.5846	14.0049	1076885.508	1406295.295	141.322	1.7	ALCANTARILLA
3945	169.3909	90.3147	14.6767	1076884.62	1406294.403	141.67	1.7	ALCANTARILLA
3946	168.5129	90.3155	17.7684	1076885.419	1406291.408	141.6407	1.7	ALCANTARILLA
3947	166.5913	94.1901	15.4002	1076885.442	1406293.879	139.5465	2.8	NIVEL
3948	192.1126	89.5409	19.6651	1076877.834	1406289.615	141.8392	1.7	ALCANTARILLA
3949	194.1926	89.3844	17.8731	1076877.564	1406291.519	141.9163	1.7	ALCANTARILLA
3950	195.2925	90.3658	18.9696	1076876.92	1406290.557	139.4018	3.9	NIVEL
3951	140.5851	96.2151	12.4798	1076889.79	1406299.207	140.4224	1.7	CANAL
3952	140.0209	98.2817	15.2896	1076891.696	1406297.254	139.5533	1.7	CANAL
3953	138.1651	95.3927	17.1899	1076893.367	1406296.077	140.1111	1.7	CANAL
3954	217.1231	93.3638	30.9735	1076863.297	1406284.209	140.3552	1.2	CANAL
3955	217.1844	95.1318	28.7333	1076864.644	1406286.071	138.0907	2.8	CANAL
3956	218.1345	94.5524	27.3378	1076865.133	1406287.434	139.4596	1.7	CANAL
3957	99.4148	95.0942	18.4334	1076900.074	1406305.757	140.1473	1.7	CANAL
3958	101.3111	95.5514	19.5357	1076901.018	1406304.969	139.7906	1.7	CANAL
3959	103.3605	94.3251	20.3801	1076901.725	1406304.073	140.1899	1.7	CANAL
3960	84.4929	92.2302	54.6452	1076936.348	1406313.795	141.133	0.1	CANAL
3961	82.4007	91.4553	54.4162	1076935.918	1406315.81	140.53	1.3	CANAL
3962	81.1256	92.0224	53.9921	1076935.296	1406317.11	141.5838	0	CANAL
3963	77.334	90.1504	52.8618	1076933.59	1406320.255	141.5743	1.7	VIA
3964	73.2525	90.0735	53.1178	1076932.877	1406324.022	141.6887	1.7	VIA
3965	76.3346	89.5137	114.1539	1076992.989	1406335.429	142.085	1.7	VIA
3966	77.1557	89.5401	121.0682	1077000.051	1406335.593	142.0173	1.7	VIA
3967	78.2138	89.5407	115.3758	1076994.966	1406332.181	142.1039	1.6	VIA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3968	75.4027	89.4618	126.8959	1077004.907	1406340.307	142.3127	1.7	D-90 - D-91
3969	73.0314	89.422	126.1952	1077002.669	1406345.689	142.4552	1.7	PARAMENTO
3970	70.2948	89.431	118.2326	1076993.401	1406348.375	142.3859	1.7	PARAMENTO
3971	62.1422	90.185	139.5805	1077005.452	1406373.921	140.9424	1.8	CULATA
3972	60.4432	90.173	145.9978	1077009.307	1406380.265	139.4636	3.3	CULATA
3973	54.2645	89.4725	103.9927	1076966.546	1406369.355	142.1872	1.7	NIVEL
3974	67.383	89.4407	110.5038	1076984.147	1406350.932	142.3173	1.7	NIVEL
3975	46.314	89.2248	57.3502	1076923.571	1406348.317	142.4264	1.7	NIVEL
3976	65.5442	89.3542	59.1985	1076936.004	1406333.031	142.2245	1.7	NIVEL
3977	90.4604	89.542	58.0817	1076940.053	1406308.094	141.9016	1.7	PARAMENTO
3978	101.3408	92.3224	31.7796	1076913.083	1406302.49	141.4974	0.6	PARAMENTO
3979	167.5656	90.4251	26.479	1076887.518	1406282.949	141.4757	1.7	PARAMENTO
3980	180.3	89.4258	68.8241	1076881.414	1406240.018	142.1471	1.7	PARAMENTO
3981	185.3557	89.3414	124.84	1076869.866	1406184.591	143.4426	1	PARAMENTO
3982	161.1239	87.3949	67.1015	1076903.606	1406245.379	140.8416	5.4	PARAMENTO
3983	185.1923	89.3123	74.5751	1076875.1	1406234.584	142.427	1.7	VIA
3984	189.1127	89.2525	76.3921	1076869.818	1406233.425	142.5744	1.7	VIA
3985	194.1828	89.3242	46.3498	1076870.547	1406263.922	142.5739	1.3	VIA
3986	192.3551	89.2112	74.9792	1076865.665	1406235.66	142.6524	1.7	VIA
3987	187.4442	89.323	149.9022	1076861.859	1406160.298	143.0064	1.7	VIA
3988	189.1745	89.3209	149.4741	1076857.915	1406161.319	143.018	1.7	VIA
3989	188.0857	89.2408	216.0413	1076851.475	1406094.974	144.0623	1.7	VIA
3990	189.2109	89.2445	216.1472	1076846.973	1406095.556	144.0252	1.7	VIA
3991	189.4748	89.2237	216.2876	1076845.297	1406095.697	144.161	1.7	CERCA
3992	189.1349	89.3043	148.1098	1076858.302	1406162.639	143.0685	1.7	D-90 - D-92
3993	187.4409	89.2138	203.6596	1076854.678	1406107.03	144.0818	1.7	PARAMENTO
3994	189.1941	89.2914	246.4751	1076842.165	1406065.61	144.0152	1.7	D-90 - D-93
3995	9.1349	90.1646	148.1129	1076881.977	1406308.846	142.0729	1.7	D-92 - D-90
3996	5.0309	90.1128	69.7119	1076864.402	1406232.083	142.5612	1.7	CASA
3997	4.3005	90.2126	64.773	1076863.349	1406227.214	142.3899	1.7	CASA
3998	356.4727	86.3923	72.2084	1076854.226	1406234.609	143.1053	5.6	CASA
3999	2.0817	89.5926	47.5381	1076860.049	1406210.145	142.8016	1.7	PARAMENTO
4000	352.0649	93.1639	16.4752	1076856.036	1406178.93	142.8516	0.7	PARAMENTO
4001	325.3116	93.1551	22.8171	1076845.395	1406181.41	141.4943	1.7	PARAMENTO
4002	332.3744	90.3424	90.9386	1076816.449	1406243.369	142.9838	0.6	CASA
4003	332.351	90.3103	100.9162	1076811.79	1406252.193	142.9828	0.6	CASA
4004	336.1037	88.4202	90.8156	1076821.583	1406245.675	143.0536	3.5	CASA
4005	329.5655	91.5157	32.8827	1076841.828	1406191.077	141.7229	1.7	CASA
4006	333.2225	90.5502	57.8046	1076832.37	1406214.292	141.8685	1.7	CASA
4007	317.1244	96.1635	39.5251	1076831.598	1406191.456	138.4726	1.7	CASA
4008	331.5256	90.5724	80.6258	1076820.269	1406233.718	142.6478	0.5	CASA
4009	316.4216	93.5026	72.0062	1076809.004	1406214.901	137.9709	1.7	CASA
4010	308.0524	93.1656	84.7818	1076791.655	1406214.817	137.9397	1.7	CASA
4011	305.2543	93.2259	81.5568	1076791.935	1406209.797	137.9813	1.7	CASA
4012	302.1138	93.3502	86.7026	1076785.047	1406208.701	138.0742	1	CASA
4013	322.3952	92.3949	100.7087	1076797.245	1406242.591	138.1143	1.7	NIVEL
4014	319.404	92.592	139.1066	1076768.35	1406268.501	136.9414	0.3	NIVEL
4015	308.3118	92.5051	123.0536	1076762.104	1406239.129	136.8813	1.5	NIVEL
4016	316.4703	92.492	155.293	1076752.03	1406275.616	136.8492	0	NIVEL
4017	307.4417	92.2258	153.8351	1076736.698	1406256.644	136.8997	1.2	NIVEL
4018	88.084	88.0244	6.2076	1076864.503	1406162.843	143.5052	1.2	PARAMENTO
4019	88.262	88.002	6.2235	1076864.519	1406162.812	143.0101	1.7	PARAMENTO
4020	135.3717	87.3647	7.5188	1076863.559	1406157.273	143.1066	1.7	PARAMENTO
4021	110.3129	90.2254	37.3561	1076893.293	1406149.562	142.5447	1.7	CULATA
4022	99.1345	90.1112	26.711	1076884.669	1406158.37	142.7065	1.7	CULATA
4023	108.2632	90.1824	35.2803	1076891.776	1406151.497	142.6047	1.7	VIA
4024	101.3745	90.3724	35.1242	1076892.707	1406155.579	142.4114	1.7	VIA
4025	139.0642	87.3633	5.7587	1076862.071	1406158.291	143.0337	1.7	VIA
4026	90.2521	87.1535	4.48	1076862.777	1406162.608	143.0077	1.7	VIA
4027	105.0706	90.5751	48.8355	1076905.448	1406149.931	141.9719	1.7	NIVEL
4028	106.2548	90.0736	77.1218	1076932.287	1406140.867	142.6234	1.7	NIVEL
4029	107.1449	89.5027	100.246	1076954.057	1406132.972	143.0726	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4030	93.1425	89.5216	123.9485	1076982.056	1406155.703	143.0734	1.7	NIVEL
4031	106.391	89.3059	126.6794	1076979.685	1406126.406	143.8637	1.7	NIVEL
4032	106.3909	89.3208	156.662	1077008.414	1406117.831	144.0649	1.7	NIVEL
4033	161.1419	84.0341	50.497	1076874.483	1406115.091	144.1181	5.6	CULATA
4034	103.0659	89.3337	142.0014	1076996.613	1406130.494	143.8847	1.7	NIVEL
4035	92.3615	89.3306	164.4359	1077022.567	1406155.261	144.0821	1.7	NIVEL
4036	222.4053	92.5242	22.8515	1076842.839	1406145.852	141.6461	1.7	NIVEL
4037	244.3556	98.0044	29.041	1076832.331	1406150.289	138.7458	1.7	NIVEL
4038	262.4518	92.5446	82.7304	1076776.344	1406152.173	138.5898	1.7	NIVEL
4039	262.2902	91.5935	130.0533	1076729.454	1406145.564	138.2718	1.7	NIVEL
4040	263.001	91.4707	169.0978	1076690.557	1406141.954	137.5276	1.7	NIVEL
4041	190.4524	89.1356	98.7744	1076839.923	1406065.598	144.1177	1.7	CASA
4042	191.0746	89.0604	89.3296	1076841.111	1406074.99	144.1955	1.7	CASA
4043	197.295	89.1238	90.3818	1076831.179	1406076.432	144.0394	1.7	CASA
4044	245.393	91.3949	163.9678	1076709.011	1406094.999	138.0355	1.7	NIVEL
4045	244.325	92.1333	108.5186	1076760.416	1406115.981	138.5795	1.7	NIVEL
4046	226.3713	93.0602	71.5682	1076806.389	1406113.526	138.9227	1.7	NIVEL
4047	208.4959	90.4927	55.9748	1076831.338	1406113.593	141.9884	1.7	NIVEL
4048	182.2131	88.2732	44.1639	1076856.51	1406118.527	143.9815	1.7	CASA
4049	255.4026	90.0116	126.8959	1076881.975	1406308.838	142.057	1.7	D-91 - D-90
4050	239.2518	92.0526	16.6619	1076990.576	1406331.829	141.4949	1.7	ALCANTARILLA
4051	232.115	90.5609	16.5025	1076991.875	1406330.186	141.8332	1.7	ALCANTARILLA
4052	229.0244	90.561	17.1284	1076991.979	1406329.075	141.8229	1.7	ALCANTARILLA
4053	230.3349	94.1839	17.0588	1076991.775	1406329.494	140.8205	1.7	NIVEL
4054	201.2803	94.1511	7.1972	1077002.284	1406333.626	141.5689	1.7	ALCANTARILLA
4055	203.0441	91.2044	10.0682	1077000.967	1406331.045	141.8663	1.7	ALCANTARILLA
4056	200.4957	91.0454	10.6569	1077001.123	1406330.347	141.9015	1.7	ALCANTARILLA
4057	201.2027	96.17	10.2494	1077001.205	1406330.816	140.781	1.9	ALCANTARILLA
4058	264.5645	89.3338	12.5569	1076992.4	1406339.194	142.199	1.7	PZA
4059	190.1949	89.1702	15.4421	1077002.147	1406325.115	142.2957	1.7	PARAMENTO
4060	222.4256	88.3338	33.582	1076982.147	1406315.629	142.6464	2	PARAMENTO
4061	201.0709	89.144	62.7216	1076982.343	1406281.791	142.9299	1.7	PARAMENTO
4062	210.5646	89.0333	56.7482	1076975.757	1406291.627	143.0348	1.7	PARAMENTO
4063	205.583	90.0749	123.7508	1076950.77	1406229.027	143.5226	0	PARAMENTO
4064	200.4722	89.1951	125.2072	1076960.536	1406223.235	143.5659	1.7	PARAMENTO
4065	196.3548	89.2528	125.6928	1076969.075	1406219.837	143.1662	1.9	CULATA
4066	202.182	89.1949	125.0841	1076957.501	1406224.564	143.5659	1.7	VIA
4067	204.2928	89.23	125.1631	1076953.088	1406226.383	143.4506	1.7	VIA
4068	204.1221	89.2001	114.1948	1076958.147	1406236.133	143.4315	1.7	PZA
4069	204.0117	89.2217	62.5214	1076979.49	1406283.19	142.7889	1.7	PZA
4070	207.395	89.1637	62.8952	1076975.74	1406284.59	142.8966	1.7	PZA
4071	168.2753	90.0828	23.1428	1077009.548	1406317.635	142.4457	1.3	CULATA
4072	145.1654	94.4453	14.3852	1077013.079	1406328.528	140.912	1.7	CANAL
4073	142.4355	96.0114	12.4784	1077012.427	1406330.436	140.7939	1.7	CANAL
4074	138.07	96.1036	11.7014	1077012.679	1406331.651	140.8437	1.7	CANAL
4075	357.5925	87.3656	2.7743	1077004.808	1406343.077	142.2181	1.7	VIA
4076	59.3523	88.1509	7.8371	1077011.661	1406344.276	142.3417	1.7	VIA
4077	110.2629	88.5509	6.5082	1077011.006	1406338.038	142.2255	1.7	VIA
4078	30.1148	91.4719	40.3165	1077025.155	1406375.148	140.8444	1.7	VIA
4079	25.0909	91.4719	41.1487	1077022.367	1406377.546	140.8186	1.7	VIA
4080	28.543	91.325	91.5634	1077049.108	1406420.457	140.8311	0.5	VIA
4081	25.5532	90.4745	96.3026	1077046.958	1406426.934	140.7657	1.7	VIA
4082	28.4312	91.4116	96.6741	1077051.293	1406425.078	140.9561	0	VIA
4083	31.3405	91.1346	62.4664	1077037.571	1406393.536	140.7628	1.7	PARAMENTO
4084	20.2736	92.0747	37.1561	1077017.866	1406375.103	140.7219	1.7	PARAMENTO
4085	55.155	87.5134	13.8832	1077016.304	1406348.219	142.6212	1.7	PARAMENTO
4086	64.2347	87.5648	13.6183	1077017.177	1406346.196	142.5907	1.7	PARAMENTO
4087	27.4541	90.4353	94.7607	1077048.995	1406424.179	140.8938	1.7	D-91 - D-94
4088	90.1646	90.0539	55.2657	1077060.172	1406340.069	142.0121	1.7	PARAMENTO
4089	96.2009	90.5653	101.0991	1077105.381	1406329.209	140.4305	1.7	D-91 - D-95
4090	91.4001	90.1535	55.4615	1077060.345	1406338.725	141.8516	1.7	VIA
4091	96.3954	90.273	53.9695	1077058.514	1406334.074	141.671	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4092	161.1129	88.3239	53.8689	1077022.298	1406289.341	142.6714	2.5	CULATA
4093	276.2009	88.5137	101.0987	1077004.913	1406340.306	142.3323	1.7	D-95 - D-91
4094	246.4753	88.5441	6.6111	1077099.307	1406326.601	140.4461	1.7	VIA
4095	315.2032	89.1	5.0639	1077101.82	1406332.808	140.3942	1.7	VIA
4096	149.05	87.1154	2.2622	1077106.543	1406327.271	140.4311	1.7	VIA
4097	204.4617	86.3028	34.0923	1077091.14	1406298.303	142.3972	1.7	VIA
4098	199.1913	86.285	34.4594	1077094.02	1406296.745	142.436	1.7	VIA
4099	201.2114	88.0138	80.9051	1077075.981	1406253.886	143.1063	1.7	VIA
4100	197.4219	88.0402	81.2108	1077080.741	1406251.875	143.0601	1.7	VIA
4101	192.1326	87.1336	57.0317	1077093.351	1406273.529	143.0803	1.7	PARAMENTO
4102	184.0347	87.1712	58.2727	1077101.29	1406271.145	143.0793	1.7	CULATA
4103	208.3411	86.2027	57.2229	1077078.1	1406279.041	142.8729	2.8	PARAMENTO
4104	162.5105	84.284	10.1437	1077108.364	1406319.563	141.2966	1.7	PARAMENTO
4105	143.2113	88.4843	19.8528	1077117.237	1406313.29	142.4322	0	CULATA
4106	234.2647	89.2948	11.498	1077096.031	1406322.518	140.4215	1.7	PARAMENTO
4107	266.1216	87.5149	48.8559	1077056.668	1406325.949	142.142	1.7	PARAMENTO
4108	297.385	88.5944	11.921	1077094.82	1406334.734	140.5295	1.7	PARAMENTO
4109	331.0609	89.3357	8.2517	1077101.389	1406336.43	140.383	1.7	PARAMENTO
4110	15.1249	87.3654	20.6706	1077110.789	1406349.141	141.1807	1.7	PARAMENTO
4111	24.2744	89.1258	37.92	1077121.062	1406363.731	141.3394	1.2	PARAMENTO
4112	41.4225	88.5952	42.6435	1077133.73	1406361.056	141.0665	1.7	PARAMENTO
4113	70.3107	89.1722	31.4517	1077135.024	1406339.714	140.7106	1.7	D-95 - D-95A
4114	36.1236	89.2307	45.1905	1077132.055	1406365.684	140.8055	1.7	VIA
4115	30.5142	89.0246	45.9179	1077128.91	1406368.633	141.085	1.7	CORONA VIA
4116	250.3108	90.051	31.4435	1077105.386	1406329.211	140.4334	1.7	D-95A - D-95
4117	24.5717	89.0345	8.9818	1077138.808	1406347.858	140.6276	1.7	CULATA CORONA
4118	39.1704	90.2038	23.5917	1077149.951	1406357.982	140.339	1.7	CULATA CORONA
4119	85.5819	81.5138	9.9966	1077144.895	1406340.415	141.8959	1.7	CASA
4120	109.4718	78.2742	7.2512	1077141.71	1406337.313	141.931	1.7	CASA
4121	121.2026	85.3336	13.2906	1077146.345	1406332.828	141.5095	1.7	CASA
4122	155.1706	87.5046	28.1131	1077146.784	1406314.201	141.5372	1.7	CASA
4123	155.4129	87.1146	23.5335	1077144.712	1406318.298	141.6318	1.7	CASA
4124	167.4733	87.1634	23.3884	1077139.977	1406316.883	141.5922	1.7	CASA
4125	176.2103	84.1904	15.0914	1077135.988	1406324.728	141.9748	1.7	CASA
4126	186.1552	81.0615	11.2879	1077133.813	1406328.628	142.2261	1.7	CASA
4127	205.5127	84.0724	16.7051	1077127.785	1406324.756	142.191	1.7	CASA
4128	70.3842	87.5618	18.8467	1077152.79	1406345.966	141.1586	1.7	CORONA
4129	121.3218	88.5632	18.235	1077150.568	1406330.186	140.8173	1.7	CORONA
4130	152.1512	89.1628	45.0696	1077156.028	1406299.842	141.0515	1.7	CORONA
4131	141.5146	90.1118	35.1355	1077156.737	1406312.091	141.0653	1	CORONA
4132	207.454	88.5921	94.7659	1077004.908	1406340.309	142.3362	1.7	D-94 - D-91
4133	243.0757	89.4756	9.635	1077040.402	1406419.82	140.6976	1.7	PARAMENTO
4134	266.3145	91.2458	25.2435	1077023.806	1406422.637	140.04	1.7	PARAMENTO
4135	51.4503	87.412	4.66	1077052.65	1406427.063	140.8517	1.7	PARAMENTO
4136	167.3311	89.1941	5.9402	1077050.278	1406418.379	140.7335	1.7	PARAMENTO
4137	141.0002	89.1528	20.2801	1077061.765	1406408.427	140.9265	1.7	PARAMENTO
4138	119.2148	89.5134	21.0349	1077067.333	1406413.875	140.8655	1.55	PARAMENTO
4139	120.3345	89.1957	39.7134	1077083.2	1406404.006	141.2766	1.55	PARAMENTO
4140	133.5811	91.0133	49.6332	1077084.73	1406389.745	139.3253	2.15	PARAMENTO
4141	58.1525	90.2615	36.1832	1077079.754	1406443.232	140.3875	1.7	CULATA
4142	48.2227	92.1158	18.285	1077062.646	1406436.324	139.9621	1.7	CORONA
4143	39.083	90.19	6.789	1077053.277	1406429.447	140.6263	1.7	CORONA
4144	341.0543	91.5043	7.3122	1077046.623	1406431.092	140.4284	1.7	CORONA
4145	286.3209	90.3316	16.4601	1077033.213	1406428.854	140.5046	1.7	CORONA
4146	126.4915	88.583	42.4118	1077082.955	1406398.784	141.4226	1.7	VIA
4147	132.4531	89.2249	41.2874	1077079.323	1406396.167	141.1105	1.7	VIA
4148	124.5132	89.1053	30.0016	1077073.62	1406407.047	141.0925	1.7	VIA
4149	124.2515	89.0403	39.151	1077081.299	1406402.069	141.3011	1.7	VIA
4150	126.2533	89.2534	44.9406	1077085.168	1406397.516	141.114	1.7	D-94 - D-96
4151	306.2533	89.5535	44.9373	1077048.995	1406424.178	140.8869	1.7	D-96 - D-94
4152	29.5218	88.4602	31.1467	1077100.662	1406424.527	141.4992	1.7	VIA
4153	36.4833	88.5408	31.2687	1077103.885	1406422.557	141.4281	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4154	33.3324	88.3514	46.0392	1077110.587	1406435.885	141.9643	1.7	PUENTE
4155	31.1739	88.3209	45.8994	1077108.98	1406436.738	142.002	1.7	PUENTE
4156	32.1649	88.5634	64.5501	1077119.605	1406452.1	142.0203	1.7	PUENTE
4157	30.4122	88.5656	64.6832	1077118.145	1406453.149	142.0157	1.7	PUENTE
4158	28.3619	88.2207	83.4859	1077125.081	1406470.804	142.1061	2.8	VIA
4159	32.0834	89.0717	84.1818	1077129.91	1406468.812	142.1203	1.7	VIA
4160	29.1322	89.2706	44.3815	1077106.813	1406436.259	141.2539	1.7	GAVION
4161	29.5339	89.0435	43.7678	1077106.958	1406435.468	141.5346	1.7	GAVION
4162	27.4646	89.0836	42.2379	1077104.831	1406434.893	141.4606	1.7	GAVION
4163	38.4253	90.0928	43.7268	1077112.498	1406431.65	140.7088	1.7	PARAMENTO
4164	23.3104	89.4923	40.4442	1077101.286	1406434.609	140.954	1.7	PARAMENTO
4165	14.2111	86.415	45.1755	1077096.324	1406441.215	139.7318	5.4	CULATA
4166	37.381	90.1524	42.8918	1077111.34	1406431.496	140.637	1.7	GAVION
4167	37.5627	90.1449	43.8255	1077112.094	1406432.094	140.6403	1.7	GAVION
4168	35.4609	89.0719	44.9885	1077111.441	1406434.029	141.5185	1.7	GAVION
4169	84.2044	90.5815	27.5984	1077112.627	1406400.25	140.3615	1.7	CULATA
4170	63.0214	83.0311	34.7628	1077115.916	1406413.179	140.7337	6	CULATA
4171	142.2733	92.0154	28.008	1077102.236	1406375.331	141.3361	0.2	CULATA
4172	94.3856	89.3823	141.5902	1076789.898	1406479.456	141.0694	1.7	D-86A - D-86
4173	347.5539	99.1652	19.857	1076644.661	1406510.013	136.9755	1.7	CORONA
4174	355.4241	94.205	48.2111	1076645.148	1406538.787	136.5236	1.7	CORONA
4175	359.1015	92.4453	81.2257	1076647.55	1406571.975	136.284	1.7	CORONA
4176	359.0311	99.4854	15.9916	1076648.501	1406506.607	137.452	1.7	PATA
4177	359.2006	92.1122	107.9558	1076647.457	1406598.72	136.0542	1.7	PATA
4178	8.1947	95.3002	31.098	1076653.237	1406521.482	137.1971	1.7	PATA
4179	7.1631	93.4723	49.4367	1076654.989	1406539.786	136.9106	1.7	PATA
4180	3.2824	92.523	76.0611	1076653.329	1406566.68	136.3634	1.7	PATA
4181	358.374	91.5239	135.9957	1076645.438	1406626.733	135.7235	1.7	PATA
4182	6.3508	92.2759	88.4931	1076658.86	1406578.685	136.3702	1.7	PATA
4183	344.0714	92.5918	131.7185	1076612.707	1406617.351	133.3121	1.7	PATA
4184	343.3747	92.5547	142.406	1076608.609	1406627.283	133.6007	1	PATA
4185	343.3747	92.2513	172.3825	1076600.135	1406656.071	133.6005	1	PATA
4186	337.4852	93.4511	102.7212	1076610.011	1406585.742	133.4548	1.7	PATA
4187	349.1319	93.5931	103.0995	1076629.48	1406591.876	133.4012	1.3	PATA
4188	347.3629	96.2844	62.488	1076635.412	1406551.486	133.1272	1.7	PATA
4189	320.0202	94.0953	84.5658	1076594.557	1406555.463	134.0369	1.7	PATA
4190	320.02	93.063	109.5112	1076578.482	1406574.62	134.2406	1.7	PATA
4191	332.0517	104.3602	25.3406	1076637.279	1406512.515	133.7902	1.7	PATA
4192	303.4302	96.4937	54.3569	1076603.86	1406520.785	133.7166	1.7	PATA
4193	271.0741	108.093	17.0038	1076632.616	1406491.16	133.7789	2.8	PATA
4194	303.4136	96.4945	54.2045	1076603.974	1406520.683	133.7328	1.7	PATA
4195	297.0107	94.1541	84.0522	1076574.077	1406528.887	133.9329	1.7	PATA
4196	183.5828	104.394	19.3487	1076647.483	1406472.177	133.7808	3.2	PATA
4197	261.4929	98.3313	43.5548	1076606.141	1406484.703	133.7	1.7	PATA
4198	160.171	99.3845	38.3822	1076661.555	1406455.237	133.747	1.7	PATA
4199	219.1851	95.1002	57.4051	1076612.573	1406446.598	135.0082	1.7	NIVEL
4200	159.1915	95.5202	67.036	1076672.354	1406428.476	134.6256	0.4	NIVEL
4201	159.1914	93.5611	96.9134	1076682.964	1406400.415	134.8258	0.4	NIVEL
4202	179.1702	93.0052	69.1531	1076649.672	1406421.8	136.5417	1.7	NIVEL
4203	268.0237	93.4137	108.4842	1076540.576	1406487.094	133.1902	1.7	NIVEL
4204	263.4742	93.4606	97.8412	1076551.718	1406480.244	133.7481	1.7	D-86A - D-97
4205	279.51	93.3626	98.8829	1076551.528	1406507.678	133.9572	1.7	NIVEL
4206	296.2952	93.0925	112.0455	1076548.619	1406540.71	134.0082	1.7	NIVEL
4207	308.4402	93.195	122.0872	1076553.652	1406567.059	133.0861	1.7	NIVEL
4208	318.1517	93.0708	133.1154	1076560.214	1406589.973	132.9367	1.7	NIVEL
4210	113.1557	86.2906	84.9415	1076614.328	1406912.464	137.0176	1.3	D-82 - D-81
4211	132.0714	101.0147	6.5002	1076541.157	1406941.632	130.166	1.7	BORDE RIO VIA
4212	110.1239	111.441	3.3256	1076539.321	1406944.843	130.178	1.7	VIA
4213	230.4549	87.5638	7.4228	1076530.679	1406941.213	131.6759	1.7	VIA
4214	213.2118	87.0453	9.2539	1076531.345	1406938.186	131.8808	1.7	VIA
4215	244.5427	88.2938	39.1598	1076500.979	1406929.287	132.439	1.7	VIA
4216	250.0014	88.1409	39.4388	1076499.386	1406932.408	132.6238	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4217	250.3229	88.0508	56.9045	1076482.808	1406926.932	133.3108	1.7	VIA
4218	2.5518	92.1919	29.0446	1076537.885	1406974.892	130.233	1.7	BORDE RIO VIA
4219	357.3916	92.1435	31.6536	1076535.109	1406977.511	130.1708	1.7	BORDE RIO VIA
4220	3.3548	89.5345	40.8869	1076538.964	1406986.716	131.4841	1.7	VIA
4221	6.5153	89.1229	40.0827	1076541.19	1406985.703	131.5138	2.15	VIA
4222	9.1826	88.5856	49.9062	1076544.464	1406995.155	132.2962	1.7	VIA
4223	6.4654	88.5245	50.4943	1076542.355	1406996.043	132.3973	1.7	VIA
4224	12.1321	88.1404	40.6803	1076545.008	1406985.653	132.8631	1.5	CULATA
4225	41.5304	87.2435	38.6852	1076562.207	1406974.695	133.358	1.5	CULATA
4226	330.0442	78.0816	6.5435	1076533.224	1406951.457	132.7547	1.7	CORONA
4227	8.3145	87.3749	33.8103	1076541.413	1406979.319	132.8076	1.7	CORONA
4228	324.275	86.3345	21.9395	1076523.683	1406963.722	132.7251	1.7	CORONA
4229	34.2619	86.3514	28.763	1076552.646	1406969.597	133.1218	1.7	CORONA
4230	62.5842	87.0257	29.4216	1076562.589	1406959.273	132.9242	1.7	CORONA
4231	325.1208	88.1303	35.6155	1076516.09	1406975.129	132.5175	1.7	CORONA
4232	96.1859	88.2502	45.2146	1076581.348	1406940.961	132.6587	1.7	CORONA
4233	315.1033	87.3617	37.3112	1076510.128	1406972.334	132.969	1.7	NIVEL
4234	314.4733	88.1726	58.3736	1076494.991	1406986.993	133.1511	1.7	NIVEL
4235	314.4731	88.4624	88.3929	1076473.671	1407008.134	133.3022	1.7	NIVEL
4236	232.3045	86.0005	20.637	1076520.094	1406933.37	132.8487	1.7	D-82 - D-98
4237	52.3045	92.3245	20.6159	1076536.429	1406945.914	131.723	1.6	D-98 - D-82
4238	285.3041	89.1235	13.8695	1076506.729	1406937.071	132.73	1.7	CERRAMIENTO
4239	296.1724	89.3812	14.4565	1076507.129	1406939.766	132.6304	1.7	CERRAMIENTO
4240	310.2535	89.5521	38.5724	1076490.717	1406958.367	132.591	1.7	CERRAMIENTO
4241	310.3929	90.1116	58.2424	1076475.889	1406971.293	132.348	1.7	CERRAMIENTO
4242	298.2401	90.164	60.1869	1076467.135	1406961.967	132.2471	1.7	CERRAMIENTO
4243	283.3408	90.0507	68.3303	1076453.662	1406949.364	132.4374	1.7	CERRAMIENTO
4244	316.1741	89.5645	71.8999	1076470.385	1406985.319	132.6072	1.7	NIVEL
4245	315.55	89.5648	98.5684	1076451.479	1407004.136	132.6312	1.7	NIVEL
4246	327.2328	89.5802	100.6712	1076465.794	1407018.142	132.597	1.7	NIVEL
4247	312.3127	90.0313	124.0035	1076428.657	1407017.133	132.4237	1.7	NIVEL
4248	305.0726	90.0234	155.2797	1076393.039	1407022.638	132.4241	1.7	NIVEL
4249	176.3253	88.3916	23.4896	1076521.521	1406909.931	133.0903	1.7	CULATA
4250	203.5928	86.4016	32.9181	1076506.749	1406903.339	134.4502	1.7	CULATA
4251	251.0605	86.4655	22.9191	1076498.449	1406925.946	133.8253	1.7	CULATA
4252	264.1234	88.2428	65.2653	1076455.19	1406926.751	134.3525	1.7	D-98 - D-99
4253	84.1234	91.1148	65.2541	1076520.093	1406933.37	132.8751	1.6	D-99 - D-98
4254	351.4027	92.4102	20.5951	1076452.2	1406947.105	133.2732	1.6	CERRAMIENTO
4255	17.03	90.2231	11.4589	1076458.544	1406937.708	134.1625	1.6	CERRAMIENTO
4256	58.4527	90.3339	14.3311	1076467.438	1406934.191	133.9972	1.7	CERRAMIENTO
4257	48.2541	91.0346	18.0673	1076468.698	1406938.746	133.8024	1.7	CASA
4258	65.0056	89.5234	13.13	1076467.088	1406932.304	134.1659	1.7	CASA
4259	73.5118	89.3339	16.466	1076471.004	1406931.339	134.2637	1.7	CERRAMIENTO
4260	82.3532	90.5316	33.0586	1076487.967	1406931.032	133.6253	1.7	CERRAMIENTO
4261	93.5549	92.2154	29.3697	1076484.467	1406924.757	133.6256	1	CERRAMIENTO
4262	91	89.232	14.18	1076469.367	1406926.512	134.2887	1.7	CERRAMIENTO
4263	99.4949	87.5159	7.4498	1076462.526	1406925.484	134.4149	1.7	CERRAMIENTO
4264	133.2535	89.1718	17.1566	1076467.656	1406914.965	134.3506	1.7	CULATA
4265	151.175	86.4739	9.3107	1076459.659	1406918.6	134.6582	1.7	CULATA
4266	276.081	84.4049	3.1529	1076452.069	1406927.085	134.4298	1.7	PARAMENTO
4267	279.0324	84.2718	22.5261	1076433.047	1406930.268	134.5141	3.5	CULATA
4268	191.335	89.0407	32.9668	1076448.601	1406894.454	134.6735	1.7	PARAMENTO
4269	209.4201	89.1007	38.8233	1076435.976	1406893.021	134.7009	1.7	PARAMENTO
4270	205.1309	89.1843	46.0873	1076435.578	1406885.049	134.691	1.7	VIA
4271	198.5313	89.0934	46.8187	1076440.062	1406882.449	134.8246	1.7	VIA
4272	59.2627	87.2252	5.6314	1076460.033	1406929.614	134.3948	1.7	VIA
4273	103.1514	88.4102	5.8419	1076460.876	1406925.415	134.2717	1.7	VIA
4274	208.2556	88.112	8.1541	1076451.314	1406919.582	134.3952	1.7	VIA
4275	176.0934	87.4635	9.3063	1076455.818	1406917.473	134.4986	1.7	VIA
4276	86.4958	89.3902	11.2547	1076466.427	1406927.379	134.2062	1.7	VIA
4277	74.1541	89.3951	14.5249	1076469.168	1406930.699	134.2226	1.7	VIA
4278	45.5156	88.0652	5.6643	1076459.251	1406930.696	134.3239	1.7	PZA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4279	204.2911	89.2625	82.8262	1076420.905	1406851.359	134.9472	1.7	D-99 - D-100
4280	179.1522	86.471	74.097	1076456.193	1406852.778	134.392	5.6	CULATA
4282	24.2911	90.1445	82.8225	1076455.19	1406926.751	134.3773	1.7	D-100 - D-99
4283	352.153	85.0817	2.3274	1076420.591	1406853.656	134.9295	1.7	VIA
4284	311.0538	88.2511	4.5505	1076417.475	1406854.347	134.8577	1.7	VIA
4285	262.4807	89.0654	8.9631	1076412.014	1406850.231	134.8706	1.7	VIA
4286	233.5136	86.452	3.1986	1076418.327	1406849.474	134.9132	1.7	VIA
4287	133.1342	90.2102	26.2062	1076440.009	1406833.421	134.5719	1.7	VIA
4288	125.124	90.2909	26.7817	1076442.795	1406835.93	134.5052	1.7	VIA
4289	132.1158	93.2903	37.0313	1076448.302	1406826.546	132.4818	1.7	NIVEL
4290	129.0234	91.4419	65.1845	1076471.532	1406810.347	132.7547	1.7	NIVEL
4291	146.0643	91.3943	68.1659	1076458.929	1406794.818	132.6554	1.8	NIVEL
4292	111.5742	91.3208	68.1158	1076484.07	1406825.929	132.8071	1.8	NIVEL
4293	128.3001	91.0148	96.4905	1076496.441	1406791.344	132.9981	1.7	NIVEL
4294	140.1245	90.5332	98.5364	1076483.998	1406775.686	133.1983	1.7	NIVEL
4295	113.5814	91.0644	99.6656	1076511.981	1406810.927	132.7982	1.7	NIVEL
4296	128.5737	90.5756	132.9169	1076524.291	1406767.853	133.6933	0.5	NIVEL
4297	137.3104	90.5327	134.4154	1076511.729	1406752.292	133.8434	0.5	NIVEL
4298	120.2411	90.5445	134.4316	1076536.874	1406783.4	133.7926	0.5	NIVEL
4299	128.5736	90.5354	142.9419	1076532.092	1406761.554	133.6926	0.5	NIVEL
4300	123.274	91.1625	28.7587	1076444.9	1406835.52	134.093	1.7	CULATA
4301	134.4429	90.1733	24.8203	1076438.544	1406833.898	134.6055	1.7	CULATA
4302	79.0453	85.3953	3.9719	1076424.793	1406852.111	135.0324	1.7	PARAMENTO
4303	191.5101	89.0225	4.3127	1076420.022	1406847.138	134.8044	1.7	PARAMENTO
4304	329.2845	89.1243	7.1624	1076417.264	1406857.526	134.8307	1.7	PARAMENTO
4305	250.1523	89.45	18.4883	1076403.507	1406845.103	134.8129	1.7	PARAMENTO
4306	255.0732	89.3613	18.7128	1076402.822	1406846.545	134.8617	1.7	PARAMENTO
4307	213.1438	90.4351	37.6336	1076400.294	1406819.875	135.3523	0.6	PARAMENTO
4308	225.1306	90.2236	49.0871	1076386.083	1406816.762	134.8097	1.3	PARAMENTO
4309	221.4751	90.0053	92.5196	1076359.28	1406782.35	134.7089	1.7	D-100 - D-101
4310	222.2002	89.5603	87.7795	1076361.827	1406786.436	134.8335	1.7	PARAMENTO
4311	219.2711	89.562	94.7709	1076360.725	1406778.148	134.834	1.7	VIA
4312	220.0319	89.5615	89.3222	1076363.463	1406782.957	134.8299	1.7	VIA
4313	216.4332	89.5617	92.2943	1076365.757	1406777.353	134.8324	1.7	VIA
4314	217.0254	89.5617	88.1113	1076367.859	1406781.005	134.8281	1.7	VIA
4315	216.5919	89.4844	48.4293	1076391.789	1406812.659	134.891	1.7	VIA
4316	222.3932	89.4841	49.9534	1076387.076	1406814.604	134.8967	1.7	VIA
4317	282.1509	90.1704	34.3355	1076387.348	1406858.626	134.5619	1.7	VIA
4318	281.454	90.1953	38.2057	1076383.498	1406859.125	134.5112	1.7	VIA
4319	275.1012	90.1416	36.7055	1076384.347	1406854.646	134.5799	1.7	VIA
4320	273.1833	90.0749	36.5274	1076384.437	1406853.447	134.6493	1.7	D-100 - D-102
4321	284.5909	90.2049	40.2254	1076382.043	1406861.738	134.4887	1.7	PARAMENTO
4322	285.5116	90.2233	32.3084	1076389.821	1406860.167	134.5203	1.7	D-101 - D-100
4323	41.4754	89.4235	92.5194	1076420.905	1406851.357	134.9631	1.7	PARAMENTO
4324	213.5946	86.2824	5.6452	1076356.132	1406777.677	134.8412	1.7	PARAMENTO
4325	135.2908	88.0639	11.9109	1076367.631	1406773.866	134.8866	1.7	PARAMENTO
4326	89.5222	88.2645	15.0642	1076374.339	1406782.392	134.9025	1.7	PARAMENTO
4327	104.5047	90.2801	54.2139	1076411.69	1406768.489	134.0523	1.7	PARAMENTO
4328	113.0814	90.3415	55.7973	1076410.599	1406760.455	133.9382	1.7	PARAMENTO
4329	105.5626	90.5241	83.0596	1076439.149	1406759.586	133.2214	1.7	PARAMENTO
4330	109.3607	90.5521	87.4888	1076441.704	1406753.049	133.0859	1.7	VIA
4331	111.5806	90.2855	54.561	1076409.889	1406761.968	134.0352	1.7	VIA
4332	109.35	90.2513	54.9359	1076411.047	1406763.966	134.0911	1.7	PZA
4333	107.5924	90.4232	54.9516	1076411.551	1406765.409	133.8142	1.7	VIA
4334	107.0156	90.5428	86.435	1076441.928	1406757.082	133.1249	1.7	VIA
4335	109.1744	90.394	124.9603	1076477.236	1406741.127	133.0534	1.7	D-101 - D-101A
4336	75.1153	83.5948	41.2901	1076398.975	1406792.863	134.9124	5.6	CULATA
4337	194.2148	89.1618	44.5182	1076348.262	1406739.22	135.06	1.7	VIA
4338	162.2538	84.4939	48.2636	1076373.818	1406736.534	134.7452	5.8	CULATA
4339	192.5249	89.4608	82.8053	1076340.867	1406701.618	135.2284	1.3	D-101 - D-103
4340	286.4602	90.1702	48.1279	1076313.191	1406796.208	134.2555	1.7	VIA
4341	291.5745	90.1656	48.406	1076314.377	1406800.428	134.2555	1.7	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4342	283.4229	90.1426	46.2178	1076314.373	1406793.277	134.3	1.7	PARAMENTO
4343	296.2104	89.5358	46.4162	1076317.675	1406802.929	134.5756	1.7	PARAMENTO
4344	208.3246	88.5141	24.6743	1076347.504	1406760.673	134.9843	1.7	PARAMENTO
4345	190.3118	89.215	46.9903	1076350.726	1406736.148	135.0158	1.7	PARAMENTO
4346	181.1126	88.4545	25.1101	1076358.773	1406757.251	135.0363	1.7	PARAMENTO
4347	289.1744	89.0743	124.967	1076359.279	1406782.35	134.7051	1.75	D-101A - D-101
4349	286.354	89.3248	37.3919	1076441.397	1406751.786	133.0994	1.75	PARAMENTO
4350	279.0154	89.2206	36.837	1076440.855	1406746.889	133.2596	1.7	PARAMENTO
4351	243.2732	89.0618	7.2381	1076470.764	1406737.89	132.9665	1.7	PARAMENTO
4352	219.5315	89.2203	12.2859	1076469.364	1406731.696	132.989	1.7	CULATA
4353	267.3045	83.5858	40.2122	1076437.284	1406739.369	133.3689	5.4	CULATA
4354	346.1637	98.0008	9.2573	1076475.057	1406750.032	133.2647	0	PARAMENTO
4355	2.0534	89.022	14.5498	1076477.759	1406755.666	133.0975	1.7	CULATA
4356	299.02	90.0051	42.3805	1076440.17	1406761.674	133.343	1.2	PARAMENTO
4357	61.07	88.2739	16.801	1076491.937	1406749.248	133.3047	1.7	CASA
4358	71.2419	89.1618	13.7462	1076490.261	1406745.518	133.0281	1.7	CASA
4359	85.4559	89.1616	20.8139	1076497.991	1406742.676	133.5182	1.3	CASA
4360	330.442	79.3628	22.5689	1076466.375	1406760.487	133.0245	5.6	CULATA
4361	286.1018	89.1034	12.7589	1076464.982	1406744.674	133.0369	1.7	VIA
4362	308.0014	89.1338	12.4761	1076467.402	1406748.803	133.0217	1.7	VIA
4363	103.203	89.3717	26.6571	1076503.177	1406734.991	133.0296	1.7	VIA
4364	96.0424	89.2553	26.8863	1076503.972	1406738.298	133.1203	1.7	VIA
4365	103.5906	90.1241	67.0322	1076542.29	1406724.965	132.6065	1.7	VIA
4366	99.4647	89.1551	67.6274	1076543.882	1406729.679	132.6222	2.8	VIA
4367	101.3658	90.2733	69.2207	1076545.045	1406727.228	132.299	1.7	CORONA RIO
4368	123.0843	89.5309	55.1037	1076523.391	1406711.025	133.1635	1.5	CORONA RIO
4369	66.5401	89.2335	36.797	1076511.073	1406755.582	133.2433	1.7	NIVEL
4370	12.5248	90.2832	82.8079	1076359.28	1406782.35	134.7317	1.3	D-103 - D-101
4371	3.2037	90.0137	41.183	1076343.246	1406742.733	134.9992	1.7	VIA
4372	356.5136	89.5652	39.5787	1076338.677	1406741.136	135.0546	1.7	VIA
4373	293.5032	85.485	1.6663	1076339.347	1406702.289	135.14	1.7	VIA
4374	202.3055	87.3137	3.6037	1076339.49	1406698.292	135.1739	1.7	VIA
4375	292.522	89.1636	6.8297	1076334.574	1406704.269	135.1046	1.7	VIA
4376	259.0036	88.5308	6.7369	1076334.256	1406700.331	135.1494	1.7	VIA
4377	277.0431	90.0203	61.7215	1076279.612	1406709.186	134.9819	1.7	VIA
4378	272.4038	89.525	62.3563	1076278.578	1406704.496	135.1486	1.7	VIA
4379	269.1533	90.2617	60.6771	1076280.198	1406700.8	135.4547	0.8	PARAMENTO
4380	279.5306	90.1804	57.8641	1076283.857	1406711.52	134.7145	1.7	PARAMENTO
4381	250.4202	88.2307	11.9546	1076329.591	1406697.662	135.3553	1.7	PARAMENTO
4382	297.1018	89.3846	10.3405	1076331.665	1406706.335	135.0823	1.7	PARAMENTO
4383	144.4135	85.0831	5.539	1076344.06	1406697.116	135.4875	1.7	PARAMENTO
4384	57.0235	83.2444	5.2449	1076345.237	1406704.455	135.6201	1.7	PARAMENTO
4385	177.1942	85.5252	37.0102	1076342.609	1406664.745	136.5768	2.8	PARAMENTO
4386	190.3322	87.4542	43.5298	1076332.923	1406658.853	136.7187	1.7	PARAMENTO
4387	183.2954	88.4425	102.9816	1076334.643	1406598.85	137.2831	1.7	VIA
4388	181.2455	88.4112	99.8405	1076338.458	1406601.833	137.3074	1.7	VIA
4389	178.5812	87.3403	63.9699	1076342.052	1406637.717	136.6336	2.8	VIA
4390	183.5919	88.3415	64.512	1076336.418	1406637.28	136.6277	1.7	VIA
4391	183.1335	88.3345	67.0738	1076337.131	1406634.67	136.7013	1.7	D-103 - D-104
4392	97.4744	89.5202	34.0069	1076374.562	1406697.025	135.0974	1.7	VIA
4393	92.0515	89.5003	35.723	1076376.567	1406700.337	135.1218	1.7	VIA
4394	88.3645	89.2454	31.0559	1076371.912	1406702.388	135.3356	1.7	PARAMENTO
4395	101.5348	89.5053	33.1779	1076373.336	1406694.797	135.1065	1.7	PARAMENTO
4396	93.2118	90.1312	82.7842	1076423.512	1406696.821	134.7011	1.7	PZA
4397	94.3917	90.3302	83.9643	1076424.555	1406694.852	134.212	1.7	VIA
4398	92.2028	90.2203	82.9048	1076423.703	1406698.279	134.4872	1.7	VIA
4399	92.2552	90.4345	128.6817	1076469.426	1406696.233	133.3817	1.7	D-103 - D-103A
4400	272.2604	89.0414	128.6892	1076340.867	1406701.626	135.2204	1.75	D-103A - D-103
4401	90.3811	89.5751	16.4285	1076485.853	1406696.06	133.142	1.75	VIA
4402	100.2214	89.4849	17.2341	1076486.38	1406693.14	133.1878	1.75	VIA
4403	97.5209	90.1045	53.59	1076522.515	1406688.926	132.9642	1.75	VIA
4404	100.4001	90.1045	53.9338	1076522.433	1406686.28	132.9632	1.75	VIA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4405	97.5255	91.4918	67.5255	1076536.285	1406687.016	130.9853	1.75	VIA
4406	101.2932	91.5015	67.022	1076535.078	1406682.924	130.983	1.75	VIA
4407	122.2139	90.0136	52.7828	1076514.027	1406668.007	133.1073	1.75	NIVEL
4408	88.3128	90.0141	49.8582	1076519.267	1406697.545	133.1074	1.75	NIVEL
4409	231.0526	85.5153	5.941	1076464.817	1406692.509	133.5601	1.75	PARAMENTO
4410	276.4351	88.3334	35.9535	1076433.729	1406700.425	134.0356	1.75	PARAMENTO
4411	200.1221	89.5101	14.748	1076464.34	1406682.39	133.2203	1.7	CULATA
4412	295.3701	88.0605	54.2074	1076420.56	1406719.629	134.9777	1.7	CULATA
4413	3.1334	91.0418	67.0725	1076340.867	1406701.626	135.2371	1.7	D-104 - D-103
4414	80.3624	86.1345	8.9602	1076345.952	1406636.134	137.0806	1.7	PARAMENTO
4415	99.2635	84.2309	9.2191	1076346.183	1406633.17	137.3932	1.7	PARAMENTO
4416	89.5243	88.4553	30.769	1076367.893	1406634.752	137.1547	1.7	CULATA
4417	86.572	89.3608	57.8757	1076394.922	1406637.776	136.8932	1.7	NIVEL
4418	75.1425	89.3637	59.0995	1076394.271	1406649.758	136.8934	1.7	NIVEL
4419	86.5112	90.3252	65.5693	1076402.597	1406638.306	135.8646	1.7	NIVEL
4420	86.5113	90.2435	87.5513	1076424.546	1406639.525	135.8656	1.7	NIVEL
4421	86.4324	90.4247	77.0082	1076414.005	1406639.115	135.5333	1.7	NIVEL
4422	101.1854	90.4126	79.5608	1076415.149	1406619.105	135.533	1.7	NIVEL
4423	86.4518	90.3219	101.9631	1076438.923	1406640.499	135.3333	1.9	NIVEL
4424	190.3814	87.3431	16.8784	1076334.028	1406618.095	137.2054	1.7	PARAMENTO
4425	170.3819	88.3515	37.0928	1076343.184	1406598.086	137.4057	1.7	PARAMENTO
4426	152.3538	84.0814	44.3803	1076357.475	1406595.488	137.2246	5.5	CULATA
4427	137.0406	85.2326	56.221	1076375.325	1406593.661	136.7095	6	NIVEL
4428	177.5131	88.3936	40.1518	1076338.654	1406594.558	137.4304	1.7	VIA
4429	184.4815	88.4554	37.9249	1076333.977	1406596.885	137.3088	1.7	VIA
4430	184.2743	88.4711	41.9525	1076333.892	1406592.852	137.3799	1.7	VIA
4431	183.5242	89.0348	92.0439	1076330.959	1406542.846	137.9963	1.7	VIA
4432	186.3838	89.0202	90.8446	1076326.674	1406544.442	138.0238	1.7	VIA
4433	185.584	88.5144	143.2656	1076322.295	1406492.203	139.3373	1.7	VIA
4434	187.5143	88.495	142.9755	1076317.659	1406493.057	139.4107	1.7	VIA
4435	183.5704	88.4226	112.4615	1076329.448	1406522.5	139.0295	1.7	D-104 - D-105
4436	3.5704	91.0326	112.4447	1076337.131	1406634.663	136.7058	1.7	D-105 - D-104
4437	10.5328	91.5022	21.4604	1076333.489	1406543.565	138.0906	1.7	CASA
4438	14.1644	92.2321	13.1238	1076332.675	1406535.209	138.2324	1.7	CASA
4439	52.4532	95.0623	18.5628	1076344.161	1406533.697	137.1273	1.7	CASA
4440	53.0241	94.0637	11.799	1076338.848	1406529.58	137.9338	1.7	CASA
4441	94.0502	95.3612	8.939	1076338.322	1406521.871	137.9067	1.7	CASA
4442	95.0101	97.094	16.1376	1076345.399	1406521.109	136.7678	1.7	CASA
4443	75.1211	96.0358	31.424	1076359.655	1406530.498	135.4589	1.7	NIVEL
4444	75.1211	96.0358	31.4209	1076359.652	1406530.497	135.4592	1.7	NIVEL
4445	69.0149	93.5014	46.6047	1076372.859	1406539.166	135.6607	1.7	NIVEL
4446	98.5159	95.1828	35.9073	1076364.777	1406517.009	135.458	1.7	NIVEL
4447	98.5157	92.5549	70.8402	1076399.357	1406511.636	135.1586	1.7	NIVEL
4448	111.2948	94.4254	42.3874	1076368.762	1406507.042	135.5955	1.4	NIVEL
4449	111.2947	92.3458	77.3205	1076401.333	1406494.236	135.4958	1.5	NIVEL
4450	146.084	93.5259	47.7654	1076356.02	1406482.939	136.045	1.2	NIVEL
4451	146.084	92.1428	82.7191	1076375.535	1406453.885	135.7452	1.5	NIVEL
4452	146.084	92.5718	62.7282	1076364.377	1406470.497	135.9459	1.3	NIVEL
4453	165.3003	90.05	69.5409	1076346.897	1406455.184	135.8287	4.55	NIVEL
4454	165.3002	90.032	104.5408	1076355.679	1406421.304	135.579	4.8	NIVEL
4455	190.0225	89.2608	101.705	1076311.775	1406422.347	139.7819	1.7	D-105 - D-106
4456	10.0224	90.1819	101.6958	1076329.447	1406522.494	139.0156	1.75	D-106 - D105
4457	2.4656	90.0529	77.9778	1076315.516	1406500.235	139.4329	1.75	PARAMENTO
4458	323.3009	88.4804	9.4764	1076306.135	1406429.96	139.7552	1.75	PARAMENTO
4459	280.364	89.491	40.4594	1076272.003	1406429.775	139.6845	1.75	CULATA
4460	3.1936	90.0031	52.0427	1076314.765	1406474.304	139.5493	1.75	VIA
4461	8.3725	90.0253	51.0159	1076319.395	1406472.791	139.5644	1.7	VIA
4462	7.5142	88.5127	5.3254	1076312.5	1406427.622	139.7131	1.7	VIA
4463	86.0348	82.1347	1.227	1076312.987	1406422.431	139.7728	1.7	VIA
4464	192.0338	90.0936	44.9044	1076302.417	1406378.429	139.4817	1.7	VIA
4465	185.2304	90.0937	45.2651	1076307.553	1406377.28	139.4805	1.7	VIA
4466	187.1826	89.5259	121.6971	1076296.365	1406301.63	139.8565	1.7	VIA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4467	189.3231	89.5134	121.7548	1076291.66	1406302.266	139.9064	1.7	VIA
4468	187.0713	89.3732	201.9436	1076286.857	1406221.951	140.9298	1.7	VIA
4469	188.4027	89.3536	201.7325	1076281.464	1406222.91	141.0418	1.7	VIA
4470	179.4808	89.3552	166.9106	1076312.445	1406255.442	139.9807	2.5	VIA
4471	189.5738	89.4203	190.4388	1076278.941	1406234.763	140.6037	1.7	VIA
4472	185.111	90.5723	94.9066	1076303.251	1406327.837	139.2232	0.5	PARAMENTO
4473	191.1111	89.5426	94.0841	1076293.575	1406330.04	139.7598	1.7	NIVEL
4474	211.353	89.5447	100.3831	1076259.236	1406336.811	139.9598	1.5	NIVEL
4475	181.51	90.4246	69.0378	1076309.585	1406353.349	138.7483	1.7	CASA
4476	176.4041	90.0916	39.5654	1076314.09	1406382.85	139.0504	2.15	CASA
4477	174.3243	90.2246	31.886	1076314.824	1406390.608	139.3957	1.7	CASA
4478	151.0235	91.4635	37.968	1076330.167	1406389.152	138.4301	1.7	CASA
4479	178.2317	89.3212	68.9322	1076313.753	1406353.446	138.2647	3.6	CASA
4480	88.5341	98.1144	22.3084	1076333.851	1406422.786	134.5268	3.6	VIA
4481	78.0812	97.2413	22.6558	1076333.759	1406426.978	134.7875	3.6	VIA
4482	87.1243	92.4227	64.49	1076376.115	1406425.517	134.6608	3.6	VIA
4483	87.1241	92.4218	64.4705	1076376.095	1406425.517	136.5644	1.7	VIA
4484	83.1216	92.4723	65.1382	1076376.374	1406430.082	136.4368	1.7	VIA
4485	84.5815	91.4623	118.7211	1076429.976	1406432.817	135.9343	1.7	VIA
4486	86.2737	91.4324	119.4335	1076430.922	1406429.785	136.0158	1.7	VIA
4487	86.4951	91.3721	154.5946	1076466.066	1406430.978	135.2315	1.7	VIA
4488	85.2901	91.3523	154.9242	1076466.151	1406434.63	135.3104	1.7	VIA
4489	82.0302	91.3558	155.2465	1076465.457	1406443.897	135.2752	1.7	NIVEL
4490	93.0624	91.3524	156.1515	1076467.641	1406413.976	135.2762	1.7	NIVEL
4491	98.4907	91.414	104.2274	1076414.734	1406406.434	136.5255	1.7	CASA
4492	92.4511	91.0331	105.0023	1076416.641	1406417.364	136.5678	2.8	CASA
4493	93.4734	91.2045	126.6973	1076438.164	1406414.04	136.6322	1.7	CASA
4494	102.4609	91.1949	128.213	1076436.799	1406394.087	136.6317	1.7	NIVEL
4495	74.4855	91.5122	111.9669	1076419.759	1406451.721	135.9813	1.7	NIVEL
4496	103.5819	92.0839	90.4333	1076399.483	1406400.577	136.2239	1.7	NIVEL
4497	67.104	92.3232	73.979	1076379.879	1406451.052	136.3259	1.7	NIVEL
4498	116.4248	92.2315	58.1005	1076363.644	1406396.282	137.1869	1.7	NIVEL
4499	116.4032	91.4015	83.0693	1076385.992	1406385.112	137.1853	1.7	NIVEL
4500	130.3333	93.1609	44.9297	1076345.87	1406393.199	136.5448	2.2	NIVEL
4501	133.5757	92.0608	69.9853	1076362.14	1406373.823	136.5399	2.2	NIVEL
4502	59.2019	92.5615	17.2015	1076326.547	1406431.116	138.7254	1.7	CASA
4503	35.4212	89.4138	11.4826	1076318.47	1406431.675	139.6682	1.7	CASA
4504	20.4844	93.3439	22.8163	1076319.854	1406443.638	139.8833	0	CASA
4505	93.1834	89.1651	36.5305	1076420.905	1406851.359	134.9479	1.7	D-102 - D-100
4506	12.2414	90.2238	45.7897	1076394.248	1406898.172	134.1879	1.7	VIA
4507	6.574	90.1333	45.8742	1076389.971	1406898.985	134.3086	1.7	VIA
4508	10.5252	90.4623	79.1715	1076399.337	1406931.196	134.1216	1	VIA
4509	7.2931	90.1059	79.9634	1076394.819	1406932.733	134.2344	1.7	VIA
4510	12.0736	90.5331	79.8292	1076401.161	1406931.494	134.747	0.2	PARAMENTO
4511	6.1253	90.1742	73.6779	1076392.372	1406926.695	134.1103	1.7	PARAMENTO
4512	9.3848	90.2146	95.3392	1076400.36	1406947.445	133.8863	1.7	NIVEL
4513	16.1601	92.0459	43.355	1076396.55	1406895.045	134.4137	0.2	PARAMENTO
4514	2.1744	89.5916	43.5124	1076386.156	1406896.925	134.4987	1.7	PARAMENTO
4515	344.2139	89.4319	8.5824	1076382.119	1406861.71	134.5309	1.7	PARAMENTO
4516	38.0025	89.3635	8.7613	1076389.828	1406860.353	134.549	1.7	PARAMENTO
4517	286.3635	90.3952	37.0349	1076348.944	1406864.012	134.0599	1.7	PARAMENTO
4518	265.0207	90.0713	31.889	1076352.67	1406850.669	134.4224	1.7	PARAMENTO
4519	270.3745	90.1647	49.3988	1076335.042	1406853.961	134.2484	1.7	PARAMENTO
4520	277.051	90.1349	53.4731	1076331.37	1406860.013	134.2746	1.7	D-102 - D-107
4521	276.4253	90.2221	102.5423	1076282.594	1406865.378	133.8235	1.7	D102 - D-108
4522	97.051	89.2036	53.4821	1076384.443	1406853.446	134.6178	1.7	D-107 - D-102
4523	154.075	89.0007	3.6011	1076332.942	1406856.774	134.0673	1.7	VIA
4524	59.2303	89.1815	4.2227	1076335.002	1406862.165	134.0559	1.7	VIA
4525	327.4354	90.1025	3.9632	1076329.252	1406863.363	133.9926	1.7	VIA
4526	236.5407	90.433	4.7092	1076327.426	1406857.439	133.945	1.7	VIA
4527	322.1617	89.132	7.331	1076326.881	1406865.808	134.1041	1.7	PARAMENTO
4528	236.551	90.4143	8.5198	1076324.234	1406855.359	133.9012	1.7	PARAMENTO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4529	58.5812	87.1055	9.4102	1076339.421	1406864.862	134.0673	2.1	PARAMENTO
4530	8.4245	90.1044	41.04	1076337.563	1406900.583	133.8765	1.7	PARAMENTO
4531	26.281	90.1031	35.7954	1076347.306	1406892.065	133.8952	1.7	PARAMENTO
4532	11.462	90.5431	78.3242	1076347.304	1406936.689	133.4632	1	PARAMENTO
4533	20.5559	90.0854	81.0561	1076360.286	1406935.735	133.7951	1.7	PARAMENTO
4534	14.3953	90.1523	79.9016	1076351.554	1406937.322	133.6473	1.7	VIA
4535	18.4603	90.1949	80.9747	1076357.377	1406936.696	133.5383	1.7	VIA
4536	16.0841	90.1748	67.8783	1076350.207	1406925.224	133.6535	1.7	PZA
4537	20.181	90.2834	36.8736	1076344.144	1406894.602	133.6983	1.7	VIA
4538	13.3555	90.2827	36.5047	1076339.932	1406895.498	133.7026	1.7	VIA
4539	28.2353	87.1844	79.0433	1076368.881	1406929.489	133.4118	6	CULATA
4540	267.5535	90.4325	18.3444	1076313.039	1406859.339	133.7729	1.7	VIA
4541	281.3335	90.4743	19.4097	1076312.353	1406863.891	133.7352	1.7	VIA
4542	278.483	90.3126	47.5548	1076284.373	1406867.268	133.57	1.7	VIA
4543	273.3622	90.2602	48.7083	1076282.757	1406863.049	133.636	1.7	VIA
4544	273.5913	90.1837	53.8936	1076277.605	1406863.73	133.7129	1.7	VIA
4545	279.2313	90.2127	53.4365	1076278.645	1406868.698	133.6715	1.7	VIA
4546	14.5952	90.1614	99.3685	1076357.029	1406956.01	133.5359	1.7	NIVEL
4547	276.3423	90.1855	48.6843	1076283.003	1406865.558	133.737	1.7	PZA
4548	96.4253	89.2453	102.5431	1076384.435	1406853.447	134.6415	1.75	D-108 - D-102
4549	59.2823	89.175	8.0799	1076289.551	1406869.486	133.6926	1.75	PARAMENTO
4550	160.4448	88.5706	6.5249	1076284.749	1406859.221	133.7129	1.75	PARAMENTO
4551	316.4747	86.4437	6.829	1076277.924	1406870.345	133.9814	1.75	PARAMENTO
4552	246.4419	88.2857	7.7259	1076275.5	1406862.324	133.7981	1.75	PARAMENTO
4553	209.2923	89.1934	26.8709	1076269.38	1406841.983	133.9096	1.75	PARAMENTO
4554	188.4244	89.0302	31.582	1076277.828	1406834.162	134.1169	1.75	PARAMENTO
4555	205.0755	89.2643	26.67	1076271.281	1406841.228	133.8518	1.75	VIA
4556	196.2204	89.2642	30.568	1076273.997	1406836.046	133.8897	1.75	VIA
4557	12.5543	90.0233	44.9503	1076292.626	1406909.195	133.5604	1.75	VIA
4558	18.1743	90.0614	45.0492	1076296.711	1406908.158	133.5119	1.75	VIA
4559	18.4308	90.0108	90.1352	1076311.472	1406950.762	133.5644	1.75	VIA
4560	15.57	90.0327	90.2715	1076307.351	1406952.188	133.5034	1.75	VIA
4561	16.5019	90.0949	125.1754	1076318.786	1406985.207	133.2371	1.75	PUENTE RAMPA
4562	18.3104	90.072	125.0759	1076322.25	1406984.001	133.3275	1.75	PUENTE RAMPA
4563	18.2524	89.5608	127.3824	1076322.783	1406986.255	133.7379	1.75	PUENTE RAMPA
4564	16.4912	89.5637	127.5882	1076319.444	1406987.529	133.7199	1.75	PUENTE RAMPA
4565	15.4349	90.2653	134.022	1076318.854	1406994.398	132.1466	2.15	D-108 - D-57
4566	20.3846	90.1243	80.9714	1076311.101	1406941.165	133.6444	1.4	PARAMENTO
4567	7.4729	90.1002	67.8805	1076291.758	1406932.637	133.4457	1.7	PARAMENTO
4568	5.5942	90.1701	36.6873	1076286.405	1406901.867	133.462	1.7	PARAMENTO
4569	27.0604	89.2841	29.1406	1076295.854	1406891.326	133.909	1.7	PARAMENTO
4570	16.5009	89.5819	89.1707	1076308.372	1406950.742	133.6877	1.7	D-108 - D-108A
4571	290.4436	88.5146	24.8988	1076259.309	1406874.182	134.1377	1.7	PARAMENTO
4572	285.3251	89.4459	24.4059	1076259.078	1406871.907	133.7502	1.7	VIA
4573	277.4846	89.4511	24.2535	1076258.564	1406868.662	133.748	1.7	VIA
4574	274.1428	89.4507	24.2515	1076258.408	1406867.158	133.7485	1.7	PARAMENTO
4575	274.4135	89.572	50.5605	1076232.201	1406869.486	133.6828	1.7	PARAMENTO
4576	275.2234	89.5707	50.4435	1076232.37	1406870.076	133.686	1.7	VIA
4577	280.39	90.0503	47.0338	1076236.365	1406874.044	133.5745	1.7	PARAMENTO
4578	281.5434	90.0456	45.1546	1076238.406	1406874.672	133.5789	1.7	PARAMENTO
4579	279.18	89.5801	52.5783	1076230.702	1406873.846	133.6741	1.7	VIA
4580	280.482	90.0137	54.8662	1076228.695	1406875.634	133.6179	1.7	PARAMENTO
4581	275.2157	90.2515	102.7445	1076180.297	1406874.928	132.8895	1.7	VIA
4582	277.1023	90.2921	103.213	1076180.185	1406878.208	132.7632	1.7	VIA
4583	278.0748	90.264	106.3204	1076177.337	1406880.354	132.8195	1.7	PARAMENTO
4584	275.373	90.2112	154.0057	1076129.324	1406880.386	132.6956	1.7	VIA
4585	277.0403	90.2307	153.8908	1076129.865	1406884.226	132.6106	1.7	VIA
4586	277.5612	90.2127	151.0745	1076132.958	1406886.154	132.7023	1.7	PARAMENTO
4587	276.3453	90.1305	188.6287	1076095.197	1406886.892	132.9282	1.7	VIA
4588	275.2858	90.1304	188.8525	1076094.596	1406883.315	132.9283	1.7	VIA
4589	275.0931	90.1307	188.9808	1076094.37	1406882.264	132.9248	1.7	PARAMENTO
4590	196.5009	89.4827	89.1834	1076282.59	1406865.367	133.8379	1.7	D-108A - D-108

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4591	44.451	89.2457	27.4886	1076327.713	1406970.273	133.818	1.7	CASA
4592	59.5431	89.4828	18.3673	1076324.259	1406959.96	133.7994	1.5	CASA
4593	82.5417	89.5555	30.8979	1076339.031	1406954.576	133.7745	1.5	CASA
4594	119.4355	90.4919	23.0544	1076328.396	1406939.321	133.407	1.5	CULATA
4595	351.5415	91.5645	34.4501	1076303.504	1406984.826	132.368	1.7	NIVELES
4596	314.2129	93.2023	27.1665	1076288.97	1406969.692	131.9551	1.7	NIVELES
4597	327.0237	91.1907	69.5492	1076270.514	1407009.063	131.9376	1.7	NIVELES
4598	307.3624	91.1542	63.4891	1076258.065	1406989.447	132.1402	1.7	NIVELES
4599	316.4453	90.3805	114.5898	1076229.812	1407034.153	132.2694	1.7	CERCA CULATA
4600	305.5624	90.4922	117.4096	1076213.284	1407019.593	131.8527	1.7	CERCA CULATA
4601	314.1216	90.3333	153.6091	1076198.201	1407057.774	132.0404	1.7	NIVEL
4602	305.4251	90.3629	156.7379	1076181.065	1407042.159	131.8759	1.7	NIVEL
4603	316.3602	90.1958	187.4853	1076179.48	1407086.89	132.451	1.7	NIVEL
4604	309.0541	90.2645	201.2304	1076152.129	1407077.546	131.9743	1.7	NIVEL
4605	308.4617	90.2821	230.2624	1076128.772	1407094.829	131.642	1.7	NIVEL
4606	320.0507	90.2828	237.7785	1076155.704	1407133.025	131.5732	1.7	NIVEL
4607	322.1347	90.2323	256.4786	1076151.168	1407153.387	131.7975	1.7	NIVEL
4608	322.1436	90.2036	291.6376	1076129.672	1407181.21	131.7964	1.7	NIVEL
4609	301.2223	90.4238	234.4998	1076108.103	1407072.701	130.933	1.4	NIVEL
4610	285.3624	90.5828	134.056	1076179.257	1406986.729	131.2589	1.7	NIVEL
4611	271.0047	90.2214	137.6285	1076170.766	1406953.097	132.6492	1.7	NIVEL
4612	268.0451	91.0332	67.44	1076240.983	1406948.445	132.2917	1.7	VIA
4613	253.3108	90.201	26.9324	1076282.551	1406943.086	133.3798	1.7	CULATA
4615	204.1333	89.2424	107.0488	1076099.811	1408384.92	128.6749	1.7	D-69 - D-68
4616	347.2018	89.5704	54.8557	1076131.625	1408536.076	127.6123	1.7	QUEBRADA
4617	347.1936	90.3048	56.3099	1076131.295	1408537.49	127.0612	1.7	QUEBRADA
4618	346.0412	90.3442	58.2952	1076129.614	1408539.131	126.9772	1.7	QUEBRADA
4619	345.2118	89.593	59.4939	1076128.605	1408540.113	127.5744	1.7	QUEBRADA
4620	358.3806	90.1128	96.5225	1076141.325	1408579.054	127.2438	1.7	QUEBRADA
4621	358.5219	89.5846	96.2095	1076141.73	1408578.751	126.5007	2.8	QUEBRADA
4622	359.355	90.0723	95.547	1076142.953	1408578.105	126.2609	2.8	QUEBRADA
4623	0.4832	89.2631	94.8494	1076144.964	1408577.397	127.3898	2.8	QUEBRADA
4624	5.31	90.1241	146.4847	1076157.679	1408628.374	127.0261	1.7	QUEBRADA
4625	6.2335	90.2737	146.4059	1076159.898	1408628.061	126.3905	1.7	QUEBRADA
4626	6.5923	90.2449	145.9621	1076161.359	1408627.445	126.5129	1.7	QUEBRADA
4627	355.4734	90.1624	196.4128	1076129.158	1408678.434	126.6313	1.7	D-69 - D-69A
4628	24.3417	90.2044	173.2037	1076215.612	1408640.118	127.0231	1.2	CASA
4629	24.2159	90.2923	155.9216	1076207.925	1408624.625	126.9341	1	CASA
4630	24.5716	90.2127	152.5783	1076207.972	1408620.929	127.3152	1	CASA
4631	24.491	90.3552	143.8903	1076204.002	1408613.188	127.3653	0.4	CASA
4632	24.2216	90.174	139.8454	1076201.313	1408609.976	127.3481	1.2	CASA
4633	24.3954	90.3242	132.7933	1076199.024	1408603.265	127.2035	0.8	CASA
4634	18.2542	90.0849	133.4639	1076185.798	1408609.204	127.2242	1.7	CASA
4635	13.5035	90.3153	147.0863	1076178.789	1408625.389	126.903	1	CASA
4636	328.3059	89.5624	85.743	1076098.858	1408555.656	127.6557	1.7	CASA
4637	324.5609	89.5619	82.8417	1076096.049	1408550.34	127.6545	1.7	CASA
4638	323.4235	89.5	86.7961	1076092.267	1408552.492	127.8184	1.7	CASA
4639	319.5206	89.5534	47.1059	1076113.297	1408518.559	127.6263	1.7	QUEBRADA
4640	319.5357	90.5257	46.4454	1076113.746	1408518.066	126.8502	1.7	NIVEL
4641	322.5356	90.2214	46.0733	1076115.867	1408519.291	127.2675	1.7	NIVEL
4642	302.4457	88.5721	27.8618	1076120.242	1408497.617	128.0732	1.7	NIVEL
4643	303.3705	91.1007	26.5478	1076121.568	1408497.244	127.024	1.7	NIVEL
4644	306.3039	90.3106	23.7825	1076124.557	1408496.7	127.3503	1.7	NIVEL
4645	307.1244	88.344	23.2851	1076125.133	1408496.628	128.1433	1.7	NIVEL
4646	252.2532	88.5902	43.4053	1076102.314	1408469.434	128.3353	1.7	NIVEL
4647	250.5321	89.4116	42.9097	1076103.143	1408468.49	127.7994	1.7	NIVEL
4648	247.0216	90.1628	41.4094	1076105.561	1408466.385	127.3672	1.7	NIVEL
4649	247.4127	90.1632	41.4193	1076105.37	1408466.816	127.1664	1.9	NIVEL
4650	246.0959	88.5843	40.8797	1076106.301	1408466.024	128.2942	1.7	NIVEL
4651	251.2849	89.1117	67.1966	1076079.981	1408461.183	128.5178	1.7	NIVEL
4652	250.1718	89.5725	68.4731	1076079.232	1408459.429	127.617	1.7	NIVEL
4653	248.4634	90.13	70.1401	1076078.311	1408457.132	127.3004	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4654	248.2327	89.1321	70.4852	1076078.169	1408456.568	128.5222	1.7	NIVEL
4655	264.1011	89.2103	100.2165	1076043.993	1408472.325	128.7014	1.7	NIVEL
4656	264.0731	89.5701	101.0005	1076043.215	1408472.166	127.6538	1.7	NIVEL
4657	262.2956	89.5052	102.6776	1076041.888	1408469.099	127.8388	1.7	NIVEL
4658	262.1808	89.2415	103.2323	1076041.391	1408468.676	128.6398	1.7	NIVEL
4659	280.3027	89.1351	129.23	1076016.614	1408506.054	129.3012	1.7	NIVEL
4660	280.2034	89.4529	129.2392	1076016.528	1408505.692	128.112	1.7	NIVEL
4661	279.2247	89.4222	131.8585	1076013.573	1408503.977	128.2432	1.7	NIVEL
4662	279.4118	89.4217	131.8508	1076013.698	1408504.676	128.046	1.9	NIVEL
4663	278.1456	89.4443	133.0841	1076011.963	1408501.58	129.358	0.5	NIVEL
4664	282.5205	89.2422	172.0798	1075975.909	1408520.787	129.3506	1.7	NIVEL
4665	282.4037	89.1741	186.2238	1075961.986	1408523.322	129.86	1.7	QUEBRADA
4666	282.133	89.4138	183.6759	1075964.149	1408521.352	128.5491	1.7	QUEBRADA
4667	280.4532	89.3924	186.5275	1075960.414	1408517.277	128.5856	1.8	QUEBRADA
4668	280.1649	89.395	186.518	1075960.14	1408515.743	128.6615	1.7	QUEBRADA
4669	279.5637	89.2202	185.8502	1075960.614	1408514.547	129.6204	1.7	QUEBRADA
4670	281.2856	89.2308	219.0189	1075929.031	1408526.036	129.9175	1.7	QUEBRADA
4671	281.1745	89.3544	216.2597	1075931.59	1408524.8	129.0953	1.7	QUEBRADA
4672	280.0355	89.3723	213.6058	1075933.345	1408519.773	128.9733	1.7	QUEBRADA
4673	279.4952	89.3022	213.0269	1075933.768	1408518.813	130.1047	1	QUEBRADA
4674	277.2648	89.3306	241.2944	1075904.41	1408513.697	130.1577	1	QUEBRADA
4675	276.3447	89.3835	242.9733	1075902.295	1408510.265	129.0836	1.7	QUEBRADA
4676	276.3156	89.3811	248.9345	1075896.35	1408510.74	129.1492	1.7	QUEBRADA
4677	276.1755	89.3239	249.2851	1075895.891	1408509.769	130.2532	1	QUEBRADA
4678	276.1102	89.1818	326.3085	1075819.274	1408517.524	131.5301	1.7	D-69 - D-69B
4679	270.4137	89.1615	223.7819	1075919.93	1408485.142	130.417	1.7	D-69 -D-69C
4680	175.4734	89.3501	196.421	1076143.679	1408482.556	127.8215	1.7	D-69A - D-69
4681	130.0818	90.0108	70.9063	1076183.391	1408632.756	127.5684	0.5	CASA
4682	122.1611	89.5155	66.6101	1076185.5	1408642.903	127.4483	0.8	CASA
4683	115.0907	89.3034	66.4091	1076189.285	1408650.244	127.4601	1.2	CASA
4684	108.1143	89.214	61.3139	1076187.414	1408659.323	127.0752	1.7	PORQUERIZA
4685	105.4604	89.4455	48.1813	1076175.534	1408665.367	127.0029	1.3	PORQUERIZA
4686	115.5028	89.5541	47.5469	1076171.963	1408657.734	127.1512	1	PORQUERIZA
4687	295.1155	89.0354	43.732	1076089.583	1408697.028	127.5051	1.3	CASA
4688	296.2822	88.1934	22.584	1076108.945	1408688.486	127.0511	1.7	CASA
4689	321.0823	88.2718	24.9737	1076113.484	1408697.864	127.0647	1.7	CASA
4690	324.4525	89.1002	43.8964	1076103.81	1408714.267	127.2294	1.5	CASA
4691	330.0241	89.2405	38.8222	1076109.755	1408712.057	126.797	1.7	CASA
4692	334.1545	89.3632	40.9243	1076111.367	1408715.287	126.6709	1.7	CASA
4693	132.5004	89.5359	54.3601	1076169.043	1408641.498	126.4866	1.7	QUEBRADA
4694	132.4318	90.0321	52.3958	1076167.671	1408642.909	126.3405	1.7	NIVEL
4695	135.4159	90.0833	47.0684	1076162.051	1408644.766	126.2743	1.7	NIVEL
4696	136.1027	89.4327	44.035	1076159.669	1408646.683	126.6033	1.7	NIVEL
4697	62.4029	89.5007	26.6378	1076152.817	1408690.675	126.4679	1.7	NIVEL
4698	62.1921	91.1528	27.2631	1076153.289	1408691.108	125.7929	1.7	NIVEL
4699	97.0131	89.4701	34.8594	1076163.758	1408674.19	126.523	1.7	NIVEL
4700	97.2835	91.0702	33.5529	1076162.422	1408674.088	125.7372	1.7	NIVEL
4701	97.312	89.4547	27.8372	1076156.758	1408674.805	126.5065	1.7	NIVEL
4702	97.192	91.0557	28.7872	1076157.708	1408674.782	125.8392	1.7	NIVEL
4703	66.4554	91.1153	29.8704	1076156.593	1408690.231	125.7668	1.7	NIVEL
4704	66.3644	89.5157	31.0186	1076157.621	1408690.763	126.4639	1.7	NIVEL
4705	36.2246	90.361	59.2273	1076164.259	1408726.136	126.1684	1.3	NIVEL
4706	36.1653	91.0628	60.8319	1076165.121	1408727.483	125.6156	1.3	NIVEL
4707	35.523	90.4134	63.815	1076166.523	1408730.16	125.6201	1.7	NIVEL
4708	36.3853	90.3341	64.6123	1076167.694	1408730.293	126.6586	0.8	NIVEL
4709	26.3039	90.0821	84.8679	1076166.997	1408754.399	126.1856	1.7	NIVEL
4710	26.3931	90.303	86.1536	1076167.768	1408755.448	125.6273	1.7	NIVEL
4711	27.0233	90.3632	87.9132	1076169.081	1408756.754	125.4576	1.7	NIVEL
4712	26.3022	89.5338	88.9918	1076168.829	1408758.094	126.5568	1.7	NIVEL
4713	13.5	90.2538	69.5319	1076145.744	1408745.957	125.8733	1.7	NIVEL
4714	13.5346	90.5956	69.0843	1076145.709	1408745.495	125.1873	1.7	NIVEL
4715	14.3247	91.0707	67.4357	1076146.055	1408743.705	125.0752	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4716	14.3845	90.0118	67.0839	1076146.083	1408743.348	126.3663	1.7	NIVEL
4717	5.0225	90.0527	78.1469	1076135.98	1408756.282	126.2679	1.7	NIVEL
4718	5.0233	90.1124	79.5368	1076136.104	1408757.666	126.128	1.7	NIVEL
4719	4.5106	90.062	79.1263	1076135.806	1408757.28	125.1459	2.8	NIVEL
4720	3.53	90.4253	80.4825	1076134.563	1408758.729	124.9376	2.15	NIVEL
4721	3.2727	90.0819	80.7837	1076133.985	1408759.073	126.1965	1.7	NIVEL
4722	4.1337	90.1111	102.6908	1076136.669	1408780.849	126.0577	1.7	NIVEL
4723	4.3228	90.1925	102.4597	1076137.212	1408780.575	125.8134	1.7	CANAL
4724	5.5854	90.4511	103.9452	1076139.931	1408781.81	125.3257	1.4	CANAL
4725	7.0749	90.3348	103.6638	1076141.967	1408781.298	125.6729	1.4	CANAL
4726	357.0219	89.5405	74.2792	1076125.279	1408752.612	126.5194	1.7	NIVEL
4727	358.2529	89.4508	46.2336	1076127.861	1408724.649	126.5914	1.7	NIVEL
4728	340.3335	89.4705	60.06	1076109.137	1408735.058	126.6173	1.7	NIVEL
4729	340.3238	89.3308	80.0609	1076102.449	1408753.906	127.0174	1.7	NIVEL
4730	107.5156	90.2738	105.7568	1075919.946	1408485.138	130.4406	1.7	D-69B - D-69C
4731	68.5432	90.3741	84.0112	1075897.635	1408547.798	130.7696	1.3	CASA
4732	73.2705	90.2523	79.1846	1075895.163	1408540.121	130.7057	1.7	CASA
4733	81.2821	90.4313	99.7349	1075917.89	1408532.368	130.0371	1.7	CASA
4734	71.4934	90.5704	68.544	1075884.377	1408538.937	130.1526	1.7	QUEBRADA
4735	71.3239	91.2228	71.2859	1075886.861	1408540.123	129.5805	1.7	QUEBRADA
4736	70.3125	91.2234	72.7619	1075887.838	1408541.816	129.543	1.7	QUEBRADA
4737	70.41	90.2704	73.8345	1075888.935	1408541.987	130.7091	1.7	QUEBRADA
4738	59.4207	90.1358	60.5419	1075871.528	1408548.097	131.0445	1.7	QUEBRADA
4739	59.1039	91.0426	62.3781	1075872.814	1408549.51	129.6713	2.15	QUEBRADA
4740	61.2216	91.1958	64.9239	1075876.227	1408548.655	129.7803	1.7	QUEBRADA
4741	60.5344	90.2545	74.356	1075884.219	1408553.727	130.7333	1.7	QUEBRADA
4742	46.5343	89.5524	68.3348	1075869.139	1408564.248	131.382	1.7	QUEBRADA
4743	45.5856	91.0346	68.8776	1075868.769	1408565.406	130.0129	1.7	QUEBRADA
4744	47.2858	91.0147	74.6877	1075874.286	1408568.022	129.9483	1.7	QUEBRADA
4745	46.5822	90.2047	77.8178	1075876.13	1408570.654	130.8201	1.7	QUEBRADA
4746	17.5631	89.1706	40.5202	1075831.733	1408556.078	131.7959	1.7	QUEBRADA
4747	15.5539	91.2058	41.7981	1075830.718	1408557.713	130.3059	1.7	QUEBRADA
4748	16.575	91.2151	44.1644	1075832.132	1408559.762	130.2388	1.7	QUEBRADA
4749	17.325	89.4556	46.267	1075833.198	1408561.646	131.4795	1.7	QUEBRADA
4750	32.0627	88.2105	84.752	1075864.26	1408589.309	133.7287	1.7	CORONA
4751	18.2642	87.2821	67.7919	1075840.665	1408581.783	134.2799	1.7	CORONA
4752	356.4129	86.4209	75.6786	1075814.87	1408592.949	135.6434	1.7	CORONA
4753	335.5337	86.5745	68.727	1075791.207	1408580.153	134.9323	1.7	CORONA
4754	321.0524	86.3106	57.1916	1075783.393	1408561.924	134.7636	1.7	CORONA
4755	341.2809	88.5303	54.0383	1075802.074	1408568.741	132.3425	1.7	QUEBRADA
4756	339.1542	89.5336	55.759	1075799.5	1408569.659	131.3941	1.7	QUEBRADA
4757	343.5259	90.0016	59.3717	1075802.76	1408574.553	131.2857	1.7	QUEBRADA
4758	344.1638	89.0832	60.2697	1075802.91	1408575.523	132.1925	1.7	QUEBRADA
4759	308.022	88.0653	63.3945	1075769.349	1408556.538	133.3758	1.7	QUEBRADA
4760	305.1629	89.2035	63.2193	1075767.645	1408554.001	132.0152	1.7	QUEBRADA
4761	303.3145	89.5654	58.7541	1075770.278	1408549.95	131.3432	1.7	QUEBRADA
4762	301.1126	88.3204	59.0996	1075768.716	1408548.092	132.8017	1.7	QUEBRADA
4763	291.3414	88.3253	74.3925	1075750.098	1408544.826	133.1755	1.7	QUEBRADA
4764	291.5423	89.1203	74.8479	1075749.821	1408545.407	132.3344	1.7	QUEBRADA
4765	296.3055	89.2023	75.0063	1075752.142	1408550.969	132.1547	1.7	QUEBRADA
4766	297.4116	88.5247	75.2518	1075752.632	1408552.446	132.7618	1.7	NIVEL
4767	285.1009	88.2341	54.0545	1075767.115	1408531.633	132.8044	1.7	NIVEL
4768	249.2251	86.3805	48.7014	1075773.78	1408500.377	134.1492	1.7	NIVEL
4769	268.2833	89.3123	31.1631	1075788.123	1408516.677	131.5496	1.7	NIVEL
4770	214.1743	87.0608	32.275	1075801.126	1408490.884	132.9218	1.7	NIVEL
4771	210.1501	89.2236	11.8942	1075813.288	1408507.247	131.4195	1.7	NIVEL
4772	157.3616	86.4714	40.0542	1075834.531	1408480.558	133.535	1.7	NIVEL
4773	124.5429	91.4431	30.1161	1075843.969	1408500.312	130.3747	1.7	NIVEL
4774	127.4459	87.4107	42.4002	1075852.786	1408491.606	133.0028	1.7	NIVEL
4775	116.2757	88.5849	62.7498	1075875.454	1408489.595	132.4071	1.7	NIVEL
4776	101.491	91.5314	56.3246	1075874.381	1408506.025	130.6355	0.5	NIVEL
4777	119.3104	89.1443	75.6097	1075885.085	1408480.312	132.2863	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4778	96.485	91.3125	69.932	1075888.692	1408509.269	129.4309	1.7	NIVEL
4779	317.1752	90.2118	118.6103	1076486.616	1407612.954	131.5945	1.7	D-49 - D-50
4780	48.4218	90.4308	44.6741	1076600.649	1407555.334	131.7679	1.7	CULATA
4781	48.5405	88.5512	44.7565	1076600.809	1407555.27	133.1721	1.7	ALTURA MURO
4782	45.3207	91.2328	33.3352	1076590.875	1407549.192	131.519	1.7	CANAL
4783	45.2929	92.1219	33.7671	1076591.154	1407549.503	131.0291	1.7	CANAL
4784	45.4609	92.2528	35.2477	1076592.324	1407550.415	130.8374	1.7	CANAL
4785	46.0111	91.1828	35.7945	1076592.84	1407550.7	131.5114	1.7	CANAL
4786	33.0025	91.3047	34.9871	1076586.14	1407555.176	131.4045	1.7	CANAL
4787	33.0242	92.0544	35.3353	1076586.343	1407555.446	131.0364	1.7	CANAL
4788	31.192	92.0331	37.2617	1076586.444	1407557.657	130.9898	1.7	CANAL
4789	31.3418	91.2802	37.69	1076586.813	1407557.948	131.3633	1.7	CANAL
4790	85.5502	91.285	38.9278	1076525.422	1407615.753	130.3905	1.7	CANAL
4791	85.1107	91.2938	38.7943	1076525.25	1407616.238	130.0848	2	CANAL
4792	82.4926	91.2935	38.8314	1076525.119	1407617.832	130.0844	2	CANAL
4793	88.0608	91.2933	38.8093	1076525.382	1407614.267	130.3855	1.7	CANAL
4794	12.3511	92.2801	40.8011	1076495.468	1407652.749	129.64	1.7	CANAL
4795	12.5951	93.1053	41.7069	1076495.951	1407653.542	129.0816	1.7	CANAL
4796	14.3834	92.1552	42.7785	1076497.39	1407654.324	129.706	1.7	CANAL
4797	343.2517	91.5617	54.0472	1076471.166	1407664.723	129.5685	1.7	CANAL
4798	350.1038	92.1734	54.6548	1076477.261	1407666.766	129.2098	1.7	CANAL
4799	350.1035	92.1734	54.6539	1076477.26	1407666.765	129.2098	1.7	CANAL
4800	349.0431	92.1734	54.6539	1076476.228	1407666.575	129.0098	1.9	CANAL
4801	335.3123	91.3757	80.9642	1076453.034	1407686.599	129.0901	1.7	CANAL
4802	335.5513	91.5842	81.6112	1076453.287	1407687.407	128.579	1.7	CANAL
4803	337.0021	91.2853	83.4703	1076453.968	1407689.755	129.2386	1.7	CANAL
4804	326.3634	91.2204	97.3432	1076433.005	1407694.183	129.073	1.7	CANAL
4805	325.0126	91.2201	97.3353	1076430.783	1407692.662	129.1747	1.6	CANAL
4806	326.2135	91.1456	95.0661	1076433.911	1407692.058	128.2249	2.8	CANAL
4807	328.1639	91.1453	116.6435	1076425.234	1407712.12	128.8562	1.7	CANAL
4808	328.5257	91.274	116.4379	1076426.396	1407712.578	128.4281	1.7	CANAL
4809	329.4938	91.1453	118.2547	1076427.128	1407715.135	128.8214	1.7	CANAL
4810	326.3627	90.5453	130.5939	1076414.68	1407721.942	129.3123	1.7	CANAL
4811	327.3256	91.3449	130.6622	1076416.461	1407723.138	127.7936	1.7	CANAL
4812	328.1248	91.2508	130.7308	1076417.702	1407724.011	128.1601	1.7	CANAL
4813	328.5825	91.0009	130.7628	1076419.155	1407724.96	129.1095	1.7	CANAL
4814	331.0504	91.0221	153.2573	1076412.441	1407747.048	128.6184	1.7	CANAL
4815	330.5826	90.5518	153.2758	1076412.171	1407746.925	127.8319	2.8	CANAL
4816	330.1253	90.5704	153.6675	1076410.208	1407746.266	128.8467	1.7	CANAL
4817	137.5037	83.4447	28.1952	1076468.3	1407761.29	135.516	1.6	D-47 - D-44
4818	269.4038	94.4133	42.7086	1076406.913	1407781.793	128.9508	1.6	CANAL
4819	269.4315	95.5657	44.785	1076404.934	1407781.814	127.7031	1.7	CANAL
4820	269.425	94.3707	46.1702	1076403.458	1407781.801	128.6272	1.7	CANAL
4821	332.0404	94.163	54.1351	1076424.163	1407829.738	128.3095	1.7	CANAL
4822	331.4157	94.2507	54.1307	1076423.863	1407829.561	127.7246	2.15	CANAL
4823	329.042	94.2121	54.2237	1076421.663	1407828.42	128.2265	1.7	CANAL
4824	345.1336	91.1328	141.2146	1076413.4	1407918.551	129.3281	1.7	CANAL
4825	345.4248	91.1329	141.1965	1076414.565	1407918.835	128.8283	2.2	CANAL
4826	344.1244	91.1327	141.2331	1076410.983	1407917.909	129.3288	1.7	CANAL
4827	348.3721	91.0827	162.3472	1076417.367	1407941.164	128.664	2.15	CANAL
4828	348.351	91.065	166.439	1076416.454	1407945.154	126.8112	4	CANAL
4829	348.351	91.0525	169.875	1076415.772	1407948.523	128.8139	2	CANAL
4830	3.2703	91.1426	179.1871	1076460.159	1407960.883	128.4674	1.7	CANAL
4831	3.2337	91.205	192.902	1076460.784	1407974.574	127.8122	1.7	CANAL
4832	3.2939	91.2953	190.6835	1076460.987	1407972.327	127.0618	2	CANAL
4833	74.3602	89.4122	137.6187	1076655.992	1407298.147	134.4572	1.75	D-36 - D-33
4834	163.2555	89.2552	134.6824	1076561.814	1407132.465	135.0983	1.7	D-36 - D-54A
4835	343.2556	90.2311	134.6794	1076523.337	1407261.529	133.9764	1.7	D-54A - D-36
4836	182.5913	90.2821	18.5289	1076560.859	1407113.962	134.7305	1.7	D-54A - GPS 4
4837	2.5911	88.003	18.5381	1077266.911	1406622.817	135.0998	1.7	GPS-4 - D-54A
4838	249.275	91.024	73.5276	1076561.814	1407132.464	133.1157	1.7	GPS-4 - GPS-3
4837	305.2751	89.504	49.188	1077452.622	1406634.19	142.3032	1.7	D-11 - D-12

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4838	74.4254	90.1829	150.9988	1076492.03	1407088.133	141.3594	1.7	D-11 - D109
4839	254.4305	89.3143	151.0044	1077306.984	1406594.301	142.398	1.7	D-109 - D-11
4840	124.1907	90.0503	341.3462	1077734.653	1406441.893	140.2102	2.15	D-109 - D-110
4841	304.1911	89.4121	341.3535	1077452.623	1406634.189	141.3853	2.2	D-110 - D-109
4842	304.3034	89.4031	302.8002	1077485.043	1406613.298	141.7472	1.7	VIA
4843	305.3441	89.4246	302.1994	1077488.771	1406617.575	141.5468	1.7	VIA
4844	305.2354	89.3035	267.8727	1077516.219	1406596.931	142.3222	1.7	VIA
4845	304.0434	89.3034	267.4601	1077513.041	1406591.619	142.3202	1.7	VIA
4846	303.0611	89.2643	259.3574	1077517.323	1406583.411	142.5406	1.7	PARAMENTO
4847	303.555	89.2421	209.8151	1077560.51	1406558.904	142.2038	1.7	VIA
4848	305.1426	89.2621	209.1235	1077563.794	1406562.457	142.075	1.7	VIA
4849	304.1053	89.3013	141.8186	1077617.291	1406521.5	141.2553	1.7	VIA
4850	302.0251	89.2645	141.4059	1077614.76	1406516.855	141.394	1.7	VIA
4851	304.5316	89.0344	84.0487	1077665.692	1406489.921	141.4015	1.7	VIA
4852	301.0405	88.5934	84.0872	1077662.615	1406485.24	141.5036	1.7	VIA
4853	300.444	88.4829	67.8934	1077676.295	1406476.561	141.4379	1.7	PZA
4854	291.0257	88.3911	20.0995	1077715.896	1406449.1	140.4977	1.7	NIVEL
4855	304.0419	88.4146	19.2445	1077718.71	1406452.663	140.4632	1.7	NIVEL
4856	125.1937	89.1057	22.3557	1077752.898	1406428.978	140.3442	1.7	PUENTE
4857	125.2537	89.1057	26.9936	1077756.656	1406426.26	140.4104	1.7	PUENTE
4858	137.0304	88.511	27.6283	1077753.485	1406421.685	140.5784	1.7	PUENTE
4859	139.1323	89.004	23.1314	1077749.769	1406424.388	140.4244	1.7	PUENTE
4860	125.2458	89.3334	40.3584	1077767.556	1406418.525	140.3356	1.7	VIA
4861	132.2038	89.2115	42.4188	1077766.02	1406413.341	140.5035	1.7	VIA
4862	124.175	89.1557	60.2967	1077784.481	1406407.948	140.7982	1.7	VIA
4863	122.1227	90.0221	52.3657	1077778.977	1406414.009	140.3897	1.3	VIA
4864	141.4627	89.2316	23.8986	1077749.451	1406423.129	136.9806	5	QUEBRADA
4865	139.2609	89.1944	25.371	1077751.162	1406422.63	137.0224	5	QUEBRADA
4866	138.4407	89.022	27.1071	1077752.541	1406421.531	137.18	5	QUEBRADA
4867	124.0905	89.1906	26.5432	1077756.626	1406427.006	137.041	5	QUEBRADA
4868	124.1622	89.2139	24.7051	1077755.075	1406427.994	137.0008	5	QUEBRADA
4869	123.0727	89.1505	22.9953	1077753.917	1406429.339	137.0257	5	QUEBRADA
4870	82.1151	92.46	38.238	1077772.49	1406447.1	138.1797	1.7	CORONA
4871	79.5733	91.5952	31.5997	1077765.747	1406447.417	138.9236	1.7	QUEBRADA
4872	79.5025	91.4648	33.307	1077767.419	1406447.784	136.7906	3.9	QUEBRADA
4873	79.5026	91.3921	35.8059	1077769.88	1406448.226	136.6906	4	QUEBRADA
4874	52.181	90.5709	52.312	1077776.022	1406473.901	139.1556	1.7	QUEBRADA
4875	52.181	90.5553	53.5307	1077776.986	1406474.646	136.1552	4.7	QUEBRADA
4876	52.181	90.5211	57.3234	1077779.986	1406476.968	136.0553	4.8	QUEBRADA
4877	54.1621	90.5106	58.4966	1077782.116	1406476.075	138.9559	1.9	QUEBRADA
4878	33.3633	90.274	40.3004	1077756.941	1406475.469	139.7009	1.7	NIVEL
4879	8.1248	91.2933	23.8735	1077738.049	1406465.516	139.4035	1.7	NIVEL
4880	53.3329	91.1557	19.3794	1077750.233	1406453.411	139.5971	1.7	NIVEL
4881	342.1123	91.0525	29.3435	1077725.664	1406469.821	139.4669	1.7	NIVEL
4882	342.1121	84.5115	49.5243	1077719.539	1406488.845	144.4672	1.7	NIVEL
4883	325.3001	89.5402	38.6794	1077712.727	1406473.758	140.0925	1.7	NIVEL
4884	301.2051	89.1616	107.6002	1077642.735	1406497.813	141.3946	1.7	D-110 - D-110A
4885	166.5206	90.5417	41.6883	1077744.146	1406401.306	139.367	1.7	QUEBRADA
4886	165.2523	91.512	40.87	1077744.957	1406402.366	136.602	3.8	QUEBRADA
4887	160.4056	91.5119	40.8386	1077748.178	1406403.382	136.5031	3.9	QUEBRADA
4888	158.1642	90.492	41.9719	1077750.208	1406402.915	139.4229	1.7	QUEBRADA
4889	151.1055	91.1239	62.6984	1077764.9	1406386.989	139.9006	0.5	QUEBRADA
4890	151.1056	91.1101	63.939	1077765.499	1406385.902	136.9048	3.5	QUEBRADA
4891	151.1055	91.0702	67.7382	1077767.333	1406382.574	137.0048	3.4	QUEBRADA
4892	151.1054	91.0507	69.752	1077768.305	1406380.81	139.8045	0.6	QUEBRADA
4893	182.3506	90.5824	58.2943	1077732.058	1406383.665	139.0351	1.7	QUEBRADA
4894	182.3506	90.5711	59.5018	1077732.004	1406382.459	137.0356	3.7	QUEBRADA
4895	182.0447	90.5437	62.3151	1077732.428	1406379.626	137.2355	3.5	QUEBRADA
4896	183.1135	90.5245	64.496	1077731.098	1406377.503	139.7358	1	QUEBRADA
4897	203.4902	89.2658	156.9357	1077671.364	1406298.294	141.5349	1.7	D-110 - D-111
4898	219.3205	90.0815	90.3503	1077677.181	1406372.18	139.809	1.7	NIVEL
4899	220.311	90.1936	106.0432	1077665.803	1406361.243	139.4214	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4900	224.0529	90.4907	58.3664	1077694.07	1406399.954	139.1914	1.7	NIVEL
4901	227.0432	90.4908	58.3756	1077691.935	1406402.118	138.9911	1.9	NIVEL
4902	241.4044	91.4801	32.7582	1077705.839	1406426.344	138.9961	1.7	NIVEL
4903	238.5736	89.2724	60.6985	1077682.667	1406410.567	140.6011	1.7	NIVEL
4904	239.5218	90.0251	80.6916	1077664.886	1406401.352	139.9587	1.7	NIVEL
4905	248.4356	87.5627	81.6272	1077658.651	1406412.261	142.9587	1.7	NIVEL
4906	90.0605	90.4406	54.0677	1077788.716	1406441.829	139.3318	1.7	CASA
4907	90.0604	90.3826	62.0698	1077796.719	1406441.819	139.3316	1.7	CASA
4908	96.2612	90.4351	54.3724	1077788.682	1406435.829	139.5319	1.5	CASA
4909	330.1756	91.5329	12.8634	1077728.277	1406453.057	140.0007	1.3	KIOSCO
4910	349.4141	91.4256	8.6652	1077733.099	1406450.414	140.1658	1.3	KIOSCO
4911	0.2124	92.5828	11.7441	1077734.72	1406453.622	139.8158	1.3	KIOSCO
4912	0.3507	85.2913	44.815	1077735.084	1406486.567	141.4518	3.8	CASA
4913	347.5754	85.3544	45.9063	1077725.084	1406486.653	141.6508	3.6	CASA
4914	359.0525	84.5512	39.6958	1077734.003	1406481.428	141.7402	3.5	CASA
4915	121.2051	90.3003	107.5982	1077734.656	1406441.892	140.2496	1.7	D-110A - D-110
4916	99.2527	89.3853	37.4152	1077679.648	1406491.708	141.4195	1.7	CASA
4917	92.2005	89.1337	27.4489	1077670.16	1406496.711	141.56	1.7	CASA
4918	68.2606	92.5124	38.2208	1077678.229	1406511.864	140.3849	0.6	CASA
4919	39.3312	93.1832	39.3234	1077667.717	1406528.097	138.9201	1.7	NIVEL
4920	41.0621	96.3204	21.5735	1077656.818	1406513.971	138.7345	1.7	NIVEL
4921	16.0146	92.2131	46.0739	1077655.422	1406542.066	139.2937	1.7	NIVEL
4922	353.3302	94.3552	28.0717	1077639.577	1406525.616	138.9394	1.7	CASA
4923	342.5054	95.1105	22.0367	1077636.251	1406518.78	139.1982	1.7	CASA
4924	333.1312	93.2601	28.3993	1077629.948	1406523.114	139.4887	1.7	CASA
4925	5.0042	93.454	48.4035	1077646.928	1406545.93	138.0146	1.7	NIVEL
4926	11.1453	93.0506	66.5073	1077655.652	1406562.956	137.6108	1.7	NIVEL
4927	352.3349	91.2007	56.6027	1077635.38	1406553.92	139.8707	1.7	NIVEL
4928	353.0536	91.4128	77.4461	1077633.383	1406574.659	138.9047	1.7	NIVEL
4929	15.0233	92.0155	85.9943	1077664.993	1406580.821	138.141	1.7	NIVEL
4930	4.2222	91.1118	88.5386	1077649.434	1406586.079	139.354	1.7	KIOSCO
4931	7.513	91.304	86.3256	1077654.486	1406583.305	138.9135	1.7	KIOSCO
4932	9.1201	91.2326	91.1817	1077657.259	1406587.804	138.9773	1.7	KIOSCO
4933	12.4745	91.0547	108.0156	1077666.594	1406603.141	139.1235	1.7	LAGO
4934	17.0118	91.4152	104.8166	1077673.348	1406598.012	138.0851	1.7	LAGO
4935	20.4022	91.4351	104.4302	1077679.53	1406595.496	138.0362	1.7	LAGO
4936	18.1836	92.0539	85.4703	1077669.522	1406578.917	138.0667	1.7	LAGO
4937	16.5012	91.0714	118.7893	1077677.071	1406611.508	138.8676	1.7	CASA
4938	21.2259	91.452	119.8882	1077686.363	1406609.421	139.0178	0.2	CASA
4939	17.0519	90.3258	129.5035	1077680.718	1406621.615	139.9491	1.7	CASA
4940	13.4715	90.1703	149.4994	1077678.282	1406643.023	142.1493	0	CASA
4941	23.0305	91.5949	97.9977	1077681.032	1406587.953	137.7753	1.7	CASA
4942	40.0536	91.5447	102.4851	1077708.658	1406576.208	137.7688	1.7	CASA
4943	40.0504	91.545	102.5383	1077708.68	1406576.259	137.7657	1.7	CASA
4944	38.3347	92.1936	74.0631	1077688.834	1406555.703	138.4831	1.4	CASA
4945	42.4618	92.3137	74.8696	1077693.497	1406552.748	139.0891	0.5	CASA
4946	42.4618	92.1345	84.861	1077700.284	1406560.092	139.0892	0.5	CASA
4947	43.3743	92.4913	56.8297	1077681.876	1406538.92	138.3936	1.7	NIVEL
4948	50.2455	91.3739	109.287	1077726.888	1406567.473	138.3863	1.4	NIVEL
4949	50.2454	91.1929	134.2797	1077746.146	1406583.415	138.3865	1.4	NIVEL
4950	68.1051	91.33	114.7492	1077749.201	1406540.508	138.3866	1.4	NIVEL
4951	38.4545	91.343	123.8213	1077720.175	1406594.37	138.0875	1.4	NIVEL
4952	313.5452	89.4857	46.7816	1077609.017	1406530.241	141.3402	1.7	NIVEL
4953	322.445	93.0822	36.7116	1077620.529	1406526.978	139.1791	1.7	NIVEL
4954	324.1926	91.1525	48.4589	1077614.458	1406537.152	140.5267	1.3	NIVEL
4955	332.5831	93.0156	38.3172	1077625.33	1406531.889	139.1628	1.7	NIVEL
4956	332.3122	92.4855	48.5227	1077620.35	1406540.798	140.5065	0	NIVEL
4957	139.3604	88.0806	37.8419	1077667.264	1406469.024	142.0212	2.1	CASA
4958	146.3943	89.0037	27.3498	1077657.777	1406474.976	142.062	1.3	CASA
4959	159.5337	89.0543	29.8128	1077652.999	1406469.827	141.6603	1.7	CASA
4960	170.2509	89.2026	25.1384	1077646.933	1406473.029	141.4789	1.7	CASA
4961	179.2724	88.1029	31.4415	1077643.051	1406466.389	142.1911	1.7	CASA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
4962	212.4756	90.1658	44.4726	1077618.666	1406460.417	140.9703	1.7	LAGO
4963	213.5941	90.2446	29.3513	1077626.339	1406473.47	140.9782	1.7	LAGO
4964	195.574	91.1908	16.4844	1077638.213	1406481.966	140.8102	1.7	LAGO
4965	228.1413	92.4651	10.662	1077634.796	1406490.716	140.6723	1.7	LAGO
4966	264.5714	92.1014	15.4611	1077627.346	1406496.446	140.604	1.7	LAGO
4967	275.3143	91.1934	26.4807	1077616.383	1406500.349	140.5768	1.7	LAGO
4968	262.2724	90.46	38.1613	1077604.911	1406492.782	140.6791	1.7	LAGO
4969	250.1526	90.4221	45.87	1077599.574	1406482.295	140.6247	1.7	LAGO
4970	240.3309	90.2621	57.0301	1077593.091	1406469.748	140.7526	1.7	LAGO
4971	229.163	90.2443	76.4482	1077584.829	1406447.905	140.6403	1.7	LAGO
4972	218.4228	90.2159	74.7187	1077596.044	1406439.482	140.7122	1.7	LAGO
4973	218.4404	90.0627	94.7236	1077583.508	1406423.89	141.0127	1.7	NIVEL
4974	224.5613	89.1857	114.6831	1077561.783	1406416.591	142.5596	1.7	NIVEL
4975	241.3553	89.2706	104.9926	1077550.413	1406447.823	142.195	1.7	NIVEL
4976	241.5458	89.271	75.4172	1077576.221	1406462.274	141.9102	1.7	NIVEL
4977	254.2541	89.3206	109.3943	1077537.377	1406468.388	142.0784	1.7	NIVEL
4978	263.1112	89.3237	60.5447	1077582.624	1406490.597	141.6721	1.7	NIVEL
4979	263.2629	89.2343	133.5084	1077510.117	1406482.49	142.5998	1.7	NIVEL
4980	270.0446	90.2344	47.104	1077595.632	1406497.852	140.8646	1.7	NIVEL
4981	276.0416	90.1221	117.9809	1077525.41	1406510.224	142.1669	0.3	NIVEL
4982	281.3532	90.2141	55.8792	1077587.991	1406509.011	140.8372	1.7	NIVEL
4983	278.2828	90.1639	71.7044	1077571.809	1406508.34	140.8426	1.7	NIVEL
4984	286.3326	89.3405	94.9179	1077551.74	1406524.81	141.906	1.7	CULATA
4985	285.3812	90.5007	72.3414	1077573.068	1406517.27	141.2352	0.6	NIVEL
4986	295.0235	90.135	67.0102	1077582.009	1406526.144	140.9201	1.7	NIVEL
4987	299.1145	90.1243	62.5848	1077588.085	1406528.311	140.9584	1.7	NIVEL
4988	302.5345	88.3115	55.7383	1077595.933	1406528.049	141.3285	3	NIVEL
4989	268.2533	90.1558	40.6604	1077602.091	1406496.673	141.0009	1.7	NIVEL
4990	278.5028	90.2156	34.9219	1077608.226	1406503.161	140.9669	1.7	NIVEL
4991	299.022	89.5729	32.1278	1077614.638	1406513.392	141.2132	1.7	NIVEL
4992	316.4818	89.3406	85.7065	1077584.037	1406560.261	142.2357	1.3	CASA
4993	318.1005	89.3024	75.6588	1077592.245	1406554.156	142.2413	1.3	CASA
4994	323.112	89.321	76.3735	1077596.941	1406558.931	142.2085	1.3	CASA
4995	8.3234	97.2627	10.1717	1077644.228	1406507.788	139.8724	1.7	ALCANTARILLA
4996	9.343	95.1209	9.3767	1077644.283	1406507.022	140.3394	1.7	ALCANTARILLA
4997	16.455	95.3127	9.0292	1077645.323	1406506.42	140.3204	1.7	ALCANTARILLA
4998	13.0529	97.0847	9.3301	1077644.827	1406506.831	138.9289	2.8	NIVEL
4999	25.1416	95.531	11.3073	1077647.525	1406507.99	138.83	2.9	NIVEL
5000	23.4902	90.2234	156.9258	1077734.651	1406441.888	140.2114	1.75	D-11 - D-110
5001	31.4305	91.0034	61.5181	1077703.672	1406350.634	140.1564	1.75	QUEBRADA
5002	35.0627	91.1605	69.4759	1077711.278	1406355.139	139.7027	1.75	QUEBRADA
5003	34.245	91.3904	64.8667	1077707.979	1406351.806	137.2213	3.9	QUEBRADA
5004	34.5236	91.3232	67.0928	1077709.683	1406353.337	137.2844	3.9	QUEBRADA
5005	51.1914	90.2736	105.0001	1077753.293	1406363.959	140.4476	1.7	QUEBRADA
5006	52.3116	90.4803	92.8041	1077744.972	1406354.798	139.9936	1.7	QUEBRADA
5007	52.434	91.1906	96.6114	1077748.19	1406356.83	137.9677	2.8	QUEBRADA
5008	51.5914	91.2651	99.8139	1077749.945	1406359.788	137.6691	2.8	QUEBRADA
5009	79.1209	90.5827	63.0217	1077733.254	1406310.133	140.2187	1.7	QUEBRADA
5010	83.5534	91.0825	53.6101	1077724.659	1406303.995	138.0233	3.9	QUEBRADA
5011	84.1252	91.5309	50.2028	1077721.281	1406303.38	137.4381	3.9	QUEBRADA
5012	84.1253	91.5526	49.2018	1077720.285	1406303.278	140.3382	1	QUEBRADA
5013	107.1702	90.4218	80.1316	1077747.885	1406274.531	140.3045	1.7	QUEBRADA
5014	107.0046	90.5517	98.2723	1077765.34	1406269.598	139.71	1.7	QUEBRADA
5015	114.1533	90.5703	107.4	1077769.292	1406254.228	139.5086	1.7	QUEBRADA
5016	114.2724	90.2507	107.9377	1077769.64	1406253.664	140.5018	1.7	QUEBRADA
5017	114.0938	91.0503	108.4293	1077770.302	1406253.978	138.1388	2.8	QUEBRADA
5018	116.0749	91.0209	113.5368	1077773.308	1406248.356	138.2382	2.7	QUEBRADA
5019	134.1438	90.1846	114.9779	1077753.776	1406218.12	140.663	1.7	QUEBRADA
5020	137.4749	90.2722	110.5658	1077745.682	1406216.435	140.4106	1.7	QUEBRADA
5021	137.1033	90.3654	111.6903	1077747.327	1406216.423	137.8918	3.9	QUEBRADA
5022	135.3415	90.2014	112.9392	1077750.469	1406217.688	138.4258	3.9	QUEBRADA
5023	136.1618	90.2014	112.5948	1077749.238	1406216.975	138.128	4.2	QUEBRADA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
5024	133.4013	90.2938	141.2024	1077773.551	1406200.854	140.0742	1.7	QUEBRADA
5025	136.0428	90.2904	135.6726	1077765.535	1406200.633	140.5438	1.3	QUEBRADA
5026	134.2935	90.3928	141.3215	1077772.223	1406199.316	138.2691	3.1	QUEBRADA
5027	135.1913	90.2113	138.7457	1077768.976	1406199.696	139.0352	3.1	QUEBRADA
5028	155.5509	90.1435	101.2596	1077712.732	1406205.871	140.8609	1.7	NIVELES
5029	143.02	90.105	101.2339	1077732.286	1406217.444	140.9715	1.7	NIVELES
5030	169.4243	90.1159	96.1859	1077688.596	1406203.664	140.9552	1.7	NIVELES
5031	135.4005	91.0858	52.0731	1077707.767	1406261.074	140.2454	1.7	NIVELES
5032	91.491	90.4945	72.1828	1077743.504	1406296.043	141.9455	0	NIVELES
5033	193.2844	88.1223	73.9787	1077654.169	1406226.378	143.6057	1.7	NIVELES
5034	71.4507	95.1342	16.8118	1077687.261	1406303.545	139.758	1.7	NIVELES
5035	71.3732	88.4434	66.7537	1077734.687	1406319.367	142.7548	1.7	NIVELES
5036	226.4559	87.4357	63.7147	1077625.004	1406254.659	143.811	1.7	NIVELES
5037	5.5038	92.0423	45.6848	1077675.987	1406343.714	139.6373	1.7	NIVELES
5038	247.5737	88.1517	70.4428	1077606.114	1406271.835	143.4357	1.7	NIVELES
5039	354.0858	91.5524	65.4032	1077664.664	1406363.316	139.0951	1.7	NIVELES
5040	267.1604	89.5719	73.3608	1077598.088	1406294.755	141.3475	1.7	NIVELES
5041	352.4317	90.5009	95.0403	1077659.27	1406392.551	139.9042	1.7	NIVELES
5042	272.003	88.2431	94.4241	1077577.032	1406301.548	143.9128	1.7	NIVELES
5043	350.511	89.3828	112.3695	1077653.437	1406409.222	141.9944	1.7	NIVELES
5044	290.434	89.0236	99.664	1077578.144	1406333.51	142.9545	1.7	NIVELES
5045	336.3649	89.2957	113.1698	1077626.386	1406402.137	142.2803	1.7	NIVELES
5046	297.5244	89.0859	122.201	1077563.325	1406355.368	143.1044	1.7	D-111 - D-112
5047	117.5245	90.3747	122.2006	1077671.369	1406298.29	141.5676	1.7	D-112 - D-111
5048	41.1802	91.2609	83.5109	1077618.39	1406418.118	140.8174	1.7	LAGO
5049	44.2549	91.3316	82.0979	1077620.743	1406414.005	140.6829	1.7	LAGO
5050	47.2241	91.2523	70.3863	1077615.075	1406403.045	141.1618	1.7	LAGO
5051	44.0606	92.162	52.3041	1077599.676	1406392.919	140.836	1.7	LAGO
5052	347.2545	93.4724	31.6114	1077556.443	1406386.15	140.8199	1.7	LAGO
5053	48.2432	93.0651	38.4027	1077591.99	1406380.839	140.8233	1.7	LAGO
5054	40.1921	93.4751	33.5175	1077584.952	1406380.878	140.6896	1.7	LAGO
5055	33.4053	92.5347	40.7132	1077585.856	1406389.216	140.8523	1.7	LAGO
5056	20.0714	93.59	30.4055	1077573.743	1406383.855	140.7973	1.7	LAGO
5057	33.5449	92.0408	57.8971	1077595.58	1406403.402	140.8196	1.7	LAGO
5058	346.3944	94.2943	26.0681	1077557.316	1406380.651	140.8664	1.7	LAGO
5059	36.3018	91.4309	73.012	1077606.707	1406414.053	140.7195	1.7	LAGO
5060	317.5258	93.0742	33.4837	1077540.889	1406380.155	141.0822	1.7	CANAL
5061	317.1	93.4437	34.6162	1077539.827	1406380.686	140.6493	1.7	NIVEL
5062	319.0524	93.243	37.1064	1077539.052	1406383.347	140.7035	1.7	CANAL
5063	10.09	90.2323	60.035	1077573.871	1406414.468	142.5012	1.7	NIVEL
5064	318.5517	92.3935	38.5176	1077538.026	1406384.357	141.122	1.7	NIVEL
5065	343.3444	90.0906	70.0117	1077543.495	1406422.512	142.7245	1.7	NIVEL
5066	291.035	91.1907	57.1488	1077509.998	1406375.872	141.5945	1.7	CANAL
5067	288.1655	91.5642	56.747	1077509.464	1406373.128	140.9836	1.7	NIVEL
5068	284.3434	91.1824	56.8067	1077508.353	1406369.629	141.6144	1.7	CANAL
5069	329.2215	89.5912	84.5699	1077520.198	1406428.114	142.9296	1.7	NIVEL
5070	286.3236	90.3158	71.8134	1077494.476	1406375.776	142.242	1.7	CANAL
5071	287.5621	91.0245	73.2536	1077493.632	1406377.887	141.5728	1.7	NIVEL
5072	288.3816	90.3527	74.9114	1077492.333	1406379.267	142.1372	1.7	CANAL
5073	319.1	89.5237	99.6323	1077498.137	1406430.714	143.1239	1.7	NIVEL
5074	283.4102	90.2848	75.5593	1077489.903	1406373.2	142.2769	1.7	CANAL
5075	282.341	90.4207	75.3904	1077489.738	1406371.732	141.9862	1.7	NIVEL
5076	281.2935	90.1614	74.7245	1077490.092	1406370.215	142.557	1.7	CANAL
5077	296.555	89.5204	91.3435	1077481.864	1406396.692	143.1209	1.7	NIVEL
5078	281.373	90.0052	86.7282	1077478.366	1406372.796	142.888	1.7	CANAL
5079	281.4912	90.254	86.7642	1077478.393	1406373.091	142.262	1.7	NIVEL
5080	282.0123	89.5708	86.5699	1077478.644	1406373.353	142.9821	1.7	NIVEL
5081	274.3653	89.5206	77.9587	1077485.616	1406361.596	143.0888	1.7	CULATA
5082	281.0332	89.5153	91.2573	1077473.753	1406372.822	143.1256	1.7	CULATA
5083	268.4916	89.4925	80.9079	1077482.436	1406353.657	143.159	1.7	CULATA
5084	269.4037	89.5632	62.0641	1077501.263	1406354.983	142.9723	1.7	CULATA
5085	247.4241	89.3458	79.573	1077489.717	1406325.147	143.4892	1.7	CULATA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
5086	223.1743	89.1838	47.2202	1077530.966	1406320.984	143.4777	1.7	CULATA
5087	218.2329	89.0905	89.1999	1077507.975	1406285.43	144.2311	1.7	CULATA
5088	197.5035	89.0638	91.8103	1077535.247	1406267.968	144.335	1.7	CULATA
5089	176.5941	89.3238	108.9813	1077569.1	1406246.543	143.7779	1.7	CULATA
5090	176.4644	89.094	90.1644	1077568.442	1406265.358	144.2302	1.7	NIVEL
5091	172.203	88.53	64.3347	1077571.933	1406291.624	144.1633	1.7	NIVEL
5092	96.1835	89.0922	49.0667	1076331.361	1406860.014	134.2663	1.7	D-108 - D-107
5093	276.4554	90.2036	158.0337	1076125.653	1406883.905	132.5979	1.7	D-108 - D-108A
5094	96.4554	89.283	158.0438	1076282.6	1406865.378	133.8574	1.7	D-108A - D-108
5095	253.131	90.1736	9.4788	1076116.579	1406881.163	132.3594	1.7	PUENTE
5096	259.445	89.5358	12.4662	1076113.387	1406881.679	132.4298	1.7	PUENTE
5097	281.4803	90.4746	11.6423	1076114.256	1406886.279	132.2462	1.7	PUENTE
5098	282.1235	90.3624	8.4746	1076117.369	1406885.693	132.3182	1.7	PUENTE
5099	284.191	91.2841	11.3305	1076114.676	1406886.7	132.1157	1.7	CORONA CANAL
5100	288.115	92.0236	7.2191	1076118.798	1406886.154	132.1505	1.7	CORONA CANAL
5101	284.2817	92.4719	9.91	1076116.067	1406886.373	130.8258	2.8	BATEA TUBO
5102	285.4611	92.1417	8.5813	1076117.399	1406886.231	130.9728	2.8	BATEA TUBO
5103	254.3339	92.5342	10.8447	1076115.214	1406881.016	130.7602	2.8	BATEA TUBO
5104	350.2643	95.1429	7.8702	1076124.347	1406891.633	131.689	1.7	CANAL
5105	352.0435	98.194	10.517	1076124.212	1406894.211	130.8847	1.7	CANAL
5106	351.3339	93.0205	11.6314	1076123.942	1406895.393	131.7921	1.7	CANAL
5107	9.1954	94.3659	15.6002	1076128.165	1406899.25	131.5523	1.3	CANAL
5108	14.3245	97.3924	15.5615	1076129.518	1406898.836	130.7345	1.3	CANAL
5109	19.4015	96.2327	15.5432	1076130.844	1406898.453	132.3778	0	CANAL
5110	220.1035	91.1604	17.6334	1076114.287	1406870.429	132.0177	1.7	CANAL
5111	226.2758	92.1723	18.385	1076112.342	1406871.244	130.5734	2.8	CANAL
5112	232.2243	90.5427	18.837	1076110.741	1406872.399	132.1096	1.7	CANAL
5113	246.132	89.2959	36.0098	1076092.709	1406869.368	132.7224	1.7	CANAL
5114	256.3114	89.3226	18.3449	1076107.816	1406879.619	132.5551	1.7	CANAL
5115	256.3114	89.3226	18.3449	1076107.816	1406879.619	132.5551	1.7	CANAL
5116	41.0006	87.4637	14.284	1076135.011	1406894.682	132.962	1.7	CANAL
5117	69.3848	85.1347	7.9994	1076133.125	1406886.682	133.0731	1.7	PARAMENTO
5118	264.2946	89.1616	32.8086	1076093	1406880.74	132.8254	1.7	PARAMENTO
5119	284.5309	87.0654	25.4817	1076101.054	1406890.429	133.1905	2.2	PARAMENTO
5120	285.0604	87.2404	18.5729	1076107.737	1406888.729	133.2501	1.7	PARAMENTO
5121	301.5007	87.3716	19.3188	1076109.248	1406894.077	133.2098	1.7	PARAMENTO
5122	330.5941	88.2543	19.9032	1076115.996	1406901.3	133.3537	1.3	CULATA
5123	270.0242	88.5808	56.5406	1076069.121	1406883.917	133.4257	1.7	VIA
5124	273.4522	89.0233	56.0752	1076069.704	1406887.546	133.3452	1.7	VIA
5125	274.1149	89.0231	27.4582	1076098.271	1406885.899	132.867	1.7	VIA
5126	265.3257	89.1517	25.8549	1076099.879	1406881.884	132.7442	1.7	VIA
5127	91.1322	88.3042	32.9065	1076158.541	1406883.222	133.2626	1.7	PARAMENTO
5128	40.4204	89.4352	86.5369	1076182.047	1406949.542	132.8147	1.7	D-108A - D-108C
5129	220.4205	89.5813	86.5381	1076125.651	1406883.904	132.6199	1.7	D-108C D-108A
5130	93.214	88.2857	19.1161	1076201.124	1406948.432	133.081	1.7	CULATA
5131	161.5803	89.1324	45.1128	1076196.035	1406906.657	133.1864	1.7	CULATA
5132	190.1208	90.1158	58.8411	1076171.657	1406891.626	132.37	1.7	CULATA
5133	234.1436	91.0941	49.7598	1076141.691	1406920.448	132.7664	0.5	CANAL
5134	237.4134	91.0948	49.8714	1076139.919	1406922.869	132.7625	0.5	CANAL
5135	236.4516	91.3005	46.5011	1076143.184	1406924.035	130.2565	2.8	CANAL
5136	247.2031	90.36	31.1785	1076153.283	1406937.515	132.2483	1.7	CANAL
5137	254.4804	92.0641	31.9666	1076151.224	1406941.149	130.2971	2.8	CANAL
5138	251.3245	89.5828	37.592	1076146.394	1406937.622	132.5915	1.7	CANAL
5139	251.1843	90.1315	41.0148	1076143.202	1406936.378	132.8167	1.3	CULATA
5140	263.2153	89.4359	47.8014	1076134.569	1406943.991	132.7976	1.7	CULATA
5141	275.1112	91.4847	27.4328	1076154.738	1406952.005	132.9068	0.5	CANAL
5142	275.5811	92.0405	29.7036	1076152.522	1406952.612	130.4029	2.8	CANAL
5143	279.2233	92.115	32.2785	1076150.22	1406954.778	133.0372	0	CANAL
5144	325.2551	93.0541	22.7302	1076169.158	1406968.224	132.3476	0.7	CANAL
5145	325.3133	93.0229	26.2683	1076167.186	1406971.158	130.0809	2.8	CANAL
5146	323.5416	90.2142	29.813	1076164.469	1406973.621	132.3865	1.7	CANAL
5147	324.0811	89.4402	37.5071	1076160.056	1406979.925	132.749	1.7	CULATA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
5148	324.0811	89.4701	47.5048	1076154.194	1406988.024	132.9542	1.5	CULATA
5149	1.4933	89.4324	39.2821	1076183.276	1406988.804	132.3145	2.15	CORONA CANAL
5150	354.184	92.2652	40.9344	1076177.97	1406990.235	130.3766	2.15	CORONA CANAL
5151	349.3251	91.2848	39.4201	1076174.875	1406988.291	131.1067	2.15	CORONA CANAL
5152	349.3248	91.2847	39.357	1076174.886	1406988.229	131.5585	1.7	CORONA CANAL
5153	355.2148	90.5547	62.6371	1076176.948	1407011.963	131.5585	1.7	D-108C - D-108D
5154	175.2149	88.3629	62.6508	1076182.047	1406949.538	132.8307	1.7	D-108D - D-108C
5155	213.2938	88.5838	11.5264	1076170.594	1407002.348	131.5143	1.7	CANAL
5156	212.2119	93.5356	12.2168	1076170.431	1407001.663	130.4778	1.7	CANAL
5157	211.5402	93.2436	12.9778	1076170.109	1407000.961	130.5366	1.7	CANAL
5158	211.1813	88.4353	13.7104	1076169.833	1407000.247	131.612	1.7	CANAL
5159	261.273	88.5156	29.2682	1076148.013	1407007.6	131.888	1.7	CANAL
5160	260.1513	90.3744	29.9587	1076147.427	1407006.875	130.5297	2.15	CANAL
5161	255.5201	90.4338	28.4086	1076149.406	1407005.011	130.498	2.15	CANAL
5162	255.0556	90.1643	28.32	1076149.585	1407004.665	131.1708	1.7	CANAL
5163	256.0952	90.0949	48.3801	1076129.979	1407000.367	131.3706	1.5	CULATA
5164	233	87.4153	33.2796	1076150.403	1406991.936	132.5453	1.8	CANAL
5165	272.2239	90.0728	51.3116	1076125.68	1407014.062	131.1973	1.7	CANAL
5166	271.4918	90.2207	51.6178	1076125.357	1407013.574	130.5266	2.15	CANAL
5167	271.0133	90.3008	52.0135	1076124.945	1407012.864	130.4028	2.15	CANAL
5168	270.333	89.5325	54.6101	1076122.341	1407012.464	131.4133	1.7	CANAL
5169	274.0736	89.4001	69.6111	1076107.516	1407016.933	131.7134	1.7	CANAL
5170	288.0412	90.0334	63.3084	1076116.751	1407031.565	131.2431	1.7	CANAL
5171	287.5911	89.5807	64.6365	1076115.459	1407031.887	130.2442	2.8	CANAL
5172	288.1311	89.5353	65.9449	1076114.298	1407032.546	130.326	2.8	CANAL
5173	288.0515	90.0617	67.4566	1076112.814	1407032.87	131.1855	1.7	CANAL
5174	288.0314	89.4456	85.4552	1076095.686	1407038.4	131.6834	1.7	CANAL
5175	302.5356	90.1311	89.9396	1076101.405	1407060.771	130.9641	1.7	CANAL
5176	305.2136	89.5502	91.3102	1076102.452	1407064.763	130.3409	2.8	CANAL
5177	306.1117	90.0212	90.4173	1076103.944	1407065.307	131.2511	1.7	CANAL
5178	314.574	90.1423	110.4127	1076098.779	1407089.938	130.8474	1.7	CANAL
5179	314.5252	90.1127	116.3267	1076094.477	1407094	131.3221	1.3	CANAL
5180	314.5259	90.0852	115.1731	1076095.297	1407093.19	130.5622	2.15	CANAL
5181	314.4701	90.1827	113.2759	1076096.504	1407091.711	130.2515	2.15	CANAL
5182	330.3107	89.5714	128.0038	1076113.889	1407123.356	131.4128	1.7	CANAL
5183	331.4209	89.5712	129.8794	1076115.314	1407126.286	130.3156	2.8	CANAL
5184	331.3645	89.5458	131.035	1076114.585	1407127.206	130.4016	2.8	CANAL
5185	331.0349	89.591	132.0882	1076112.974	1407127.524	131.3417	1.7	CANAL
5186	344.105	89.4356	133.1015	1076140.592	1407140.001	131.4819	2.15	CANAL
5187	344.0951	90.1242	133.745	1076140.379	1407140.61	130.3658	2.15	CANAL
5188	344.2042	89.5758	135.0379	1076140.436	1407141.971	130.2895	2.8	CANAL
5189	344.2045	89.5237	135.8658	1076140.214	1407142.768	131.6013	1.7	CANAL
5190	12.5346	88.4209	53.6642	1077430.993	1406034.671	145.9018	1.7	GPS-2 - D-1
5191	199.4333	89.515	122.7982	1077377.502	1405866.808	144.9792	1.7	GPS-2 - GPS1
5192	126.0743	88.2055	63.6083	1077470.395	1405944.916	146.5199	1.7	CULATA
1	83.4741	86.0324	97.8561	1076648.765	1406490.851	140.398	1.55	D97 - D86
2	299.4521	92.1822	11.8356	1076541.448	1406486.107	133.1916	1.55	CORONA
3	288.3913	100.0053	11.5612	1076540.929	1406483.879	131.6573	1.55	NIVEL
4	260.2809	98.1304	13.7285	1076538.32	1406477.986	131.5555	1.7	NIVEL
5	252.5554	97.1114	16.7297	1076535.854	1406475.363	131.4248	1.7	LAMINA
6	251.06	97.0114	17.8376	1076534.972	1406474.5	131.3376	1.7	NIVEL
7	249.205	96.4029	19.6657	1076533.445	1406473.344	131.232	1.7	NIVEL
8	248.2624	95.5232	21.6326	1076531.709	1406472.325	131.3033	1.7	NIVEL
9	248.0905	95.2404	21.9863	1076531.406	1406472.086	131.4483	1.7	LAMINA
10	241.3242	88.383	26.7381	1076528.224	1406467.494	134.1516	1.7	LAMINA
11	241.3012	89.1828	51.7291	1076506.274	1406455.539	134.1429	1.7	NIVEL
12	178.5607	91.5922	31.3274	1076552.318	1406448.941	134.1304	0	CORONA
13	220.4446	91.29	42.0193	1076524.319	1406448.405	133.9303	0.2	NIVEL
14	178.1011	93.3018	31.1752	1076552.73	1406449.143	131.612	1.7	LAMINA
15	176.3358	93.4653	31.0238	1076553.59	1406449.344	131.4718	1.7	NIVEL
16	173.1134	94.1909	29.3669	1076555.206	1406451.169	131.3061	1.7	NIVEL
17	169.4104	94.3006	28.323	1076556.79	1406452.467	131.2948	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
18	168.3706	93.5129	28.2727	1076557.301	1406452.593	131.6156	1.7	LAMINA
19	158.1029	94.1445	26.0069	1076561.374	1406456.173	131.5924	1.7	NIVEL
20	148.2349	94.0125	24.7958	1076564.692	1406459.185	131.7779	1.7	NIVEL
21	133.5443	91.1125	24.8278	1076569.61	1406463.038	134.202	0.5	NIVEL
22	155.5516	90.3439	66.4375	1076578.857	1406419.606	134.5484	0	CORONA
23	171.0559	90.3325	68.7486	1076562.393	1406412.332	134.5497	0	NIVEL
24	155.0146	91.3117	66.5434	1076579.834	1406419.958	131.7513	1.7	NIVEL
25	154.1256	91.3451	66.0529	1076580.473	1406420.806	131.6959	1.7	LAMINA
26	152.514	91.4143	65.9292	1076581.812	1406421.616	131.5676	1.7	NIVEL
27	150.0118	91.441	65.3285	1076584.378	1406423.7	131.5389	1.7	NIVEL
28	146.5418	91.481	64.8187	1076587.124	1406425.988	131.4789	1.7	NIVEL
29	144.1513	93.0517	64.0694	1076589.123	1406428.341	131.7666	0	LAMINA
30	141.2928	90.4804	63.8349	1076591.489	1406430.32	134.3256	0	CORONA
31	152.234	90.2813	101.0118	1076598.574	1406390.761	134.3893	0	CORONA
32	157.2818	90.2802	101.6723	1076590.725	1406386.355	134.1892	0.2	NIVEL
33	150.2249	90.5157	100.9996	1076601.68	1406392.481	131.9923	1.7	NIVEL
34	149.2442	91.0236	100.952	1076603.13	1406393.383	131.6802	1.7	LAMINA
35	148.4613	91.1151	100.486	1076603.855	1406394.367	131.4183	1.7	NIVEL
36	147.1007	91.1304	99.6324	1076605.771	1406396.575	131.4012	1.7	NIVEL
37	145.3239	91.15	98.9986	1076607.762	1406398.664	131.3589	1.7	NIVEL
38	149.1552	90.4249	138.2746	1076622.449	1406361.441	131.7968	1.7	D97 - D113
39	300.3651	91.532	52.1926	1076506.81	1406506.783	131.7976	1.7	D97 - D114
40	329.1557	89.0248	138.2748	1076551.725	1406480.238	133.7684	1.75	D113 - D97
41	341.5411	90.1756	41.7447	1076609.46	1406401.113	131.2992	1.7	NIVEL
42	342.3959	89.4423	42.6749	1076609.712	1406402.17	131.7108	1.7	LAMINA
43	344.3936	88.435	43.4245	1076610.94	1406403.302	132.4789	1.7	NIVEL
44	348.06	86.5126	44.8933	1076613.181	1406405.298	133.9781	1.7	CORONA
45	39.1556	85.5022	40.5259	1076648.013	1406392.749	134.4571	1.7	NIVEL
46	39.0633	79.112	15.6613	1076632.146	1406373.383	134.4544	1.7	CORONA
47	25.2829	84.0038	12.8761	1076627.95	1406373.005	132.8604	1.7	NIVEL
48	24.3549	88.561	9.8624	1076626.548	1406370.409	131.6999	1.7	LAMINA
49	19.5621	91.0548	8.8357	1076625.457	1406369.747	131.3477	1.7	NIVEL
50	13.471	93.0822	8.0328	1076624.356	1406369.232	131.0769	1.7	NIVEL
51	3.4739	91.2412	7.2559	1076622.925	1406368.679	131.3391	1.7	NIVEL
52	351.5939	89.2405	6.6461	1076621.52	1406368.021	131.5862	1.7	NIVEL
53	343.4319	88.105	6.5422	1076620.613	1406367.717	131.7245	1.7	LAMINA
54	308.5624	86.1048	7.5816	1076616.562	1406366.192	132.0219	1.7	BORDE RIO
55	290.1332	74.4821	9.175	1076614.139	1406364.497	133.9215	1.7	CORONA
56	238.0049	76.2401	12.36	1076612.263	1406355.071	134.4231	1.7	NIVEL
57	241.5244	85.3855	38.0539	1076588.994	1406343.537	134.4042	1.7	NIVEL
58	134.3607	86.2513	19.4893	1076636.306	1406347.791	134.4337	0	CORONA
59	139.1722	89.3151	19.4755	1076635.159	1406346.686	131.6763	1.7	LAMINA
60	145.2725	90.2138	18.7408	1076633.084	1406346.01	131.3989	1.7	NIVEL
61	148.3544	90.3557	18.4452	1076632.069	1406345.704	131.3239	1.7	NIVEL
62	152.2152	89.5353	18.1056	1076630.856	1406345.406	131.549	1.7	NIVEL
63	156.0559	89.2049	18.0173	1076629.757	1406344.974	131.7222	1.7	LAMINA
64	168.5715	88.4009	18.1709	1076625.94	1406343.613	131.9389	1.7	NIVEL
65	179.3338	88.2516	19.1645	1076622.607	1406342.284	132.0449	1.7	BORDE RIO
66	184.1223	86.3618	19.5266	1076621.03	1406342	134.3731	0	CORONA
67	155.0727	86.405	50.6157	1076643.731	1406315.61	134.4477	1.7	CORONA
68	133.3259	86.5449	54.4167	1076661.853	1406324.026	134.4469	1.7	NIVEL
69	158.4455	89.3954	49.855	1076640.545	1406314.987	131.8084	1.7	LAMINA
70	159.2255	89.4535	49.8046	1076640.013	1406314.837	131.7258	1.7	NIVEL
71	162.3815	89.4536	49.1644	1076637.147	1406314.525	131.7228	1.7	NIVEL
72	165.1454	89.4322	48.7608	1076634.892	1406314.295	131.7529	1.7	NIVEL
73	167.502	89.3941	48.0216	1076632.592	1406314.504	131.8007	1.7	NIVEL
74	168.544	89.3616	47.4845	1076631.608	1406314.849	131.8449	1.7	LAMINA
75	172.2054	89.2733	47.2138	1076628.762	1406314.653	131.9625	1.7	NIVEL
76	174.1033	89.382	47.1184	1076627.257	1406314.569	131.8139	1.7	BORDE RIO
77	177.4059	88.0217	47.1183	1076624.379	1406314.39	134.8302	0	CORONA
78	164.193	88.0601	81.0519	1076644.38	1406283.459	134.7042	1.2	CORONA
79	150.2712	88.0919	83.4653	1076663.628	1406288.891	134.4039	1.5	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
80	167.5447	89.4051	79.4801	1076639.136	1406283.734	131.9601	1.7	BORDE RIO
81	170.1908	89.4545	78.5925	1076635.709	1406283.976	131.8429	1.7	LAMINA
82	172.44	89.4916	77.6953	1076632.32	1406284.376	131.7598	1.7	NIVEL
83	174.0723	89.4947	77.5175	1076630.43	1406284.336	131.7476	1.7	NIVEL
84	177.0541	89.4515	77.561	1076626.424	1406283.983	131.8499	1.7	NIVEL
85	177.5841	88.3336	77.9023	1076625.241	1406283.613	133.475	1.7	CORONA
86	120.3652	87.2246	52.2178	1076551.717	1406480.244	133.7851	1.7	D114 - D97
87	77.0327	82.472	20.5959	1076526.721	1406511.371	133.983	1.7	CORONA
88	79.5415	89.022	15.4743	1076522.041	1406509.504	131.6572	1.7	BORDE RIO
89	84.4037	89.0056	11.7011	1076518.458	1406507.875	131.5987	1.7	NIVEL
90	88.4614	89.4933	8.999	1076515.807	1406506.981	131.425	1.7	LAMINA
91	92.2658	91.2304	6.1706	1076512.973	1406506.523	131.2485	1.7	NIVEL
92	93.5426	97.225	4.95	1076511.708	1406506.451	130.7617	1.7	NIVEL
93	98.1803	102.5037	3.1278	1076509.828	1406506.345	130.7023	1.7	NIVEL
94	99.535	95.1625	2.0989	1076508.869	1406506.425	131.2047	1.7	NIVEL
95	109.5623	87.3008	1.2025	1076507.939	1406506.374	131.45	1.7	LAMINA
96	214.5009	74.1755	1.8883	1076505.772	1406505.29	131.9086	1.7	BORDE RIO
97	214.184	67.2817	3.181	1076505.155	1406504.355	134.3164	0	CORONA
98	214.1839	86.5753	22.9714	1076493.89	1406487.828	134.314	0	NIVEL
99	343.5824	85.4837	22.9016	1076500.492	1406528.732	134.7708	0	CORONA
100	348.4155	87.1245	23.2732	1076502.242	1406529.575	131.4295	2.8	LAMINA
101	349.2559	86.2106	23.3552	1076502.523	1406529.693	130.7837	3.8	NIVEL
102	0.0146	91.0958	23.0645	1076506.809	1406529.843	130.9282	1.7	NIVEL
103	5.4841	91.0218	23.7352	1076509.199	1406530.394	130.9675	1.7	NIVEL
104	10.3238	90.2736	24.3006	1076511.243	1406530.675	131.2026	1.7	NIVEL
105	13.4329	89.5544	24.7517	1076512.669	1406530.832	131.4284	1.7	NIVEL
106	22.0713	88.4253	26.8694	1076516.911	1406531.674	132.0004	1.7	BORDE RIO
107	28.3601	84.2556	27.4129	1076519.857	1406530.745	134.0574	1.7	CORONA
108	349.2626	88.2725	45.5152	1076498.447	1406551.507	132.6233	1.7	CORONA
109	325.4213	88.3515	49.7007	1076478.79	1406547.814	132.623	1.7	NIVEL
110	350.3123	88.441	45.2578	1076499.335	1406551.408	131.2961	2.8	BORDE RIO
111	354.4849	90.0647	45.6219	1076502.66	1406552.216	131.3077	1.7	NIVEL
112	2.1434	89.5417	45.1891	1076508.553	1406551.939	131.4729	1.7	NIVEL
113	2.5141	89.5826	41.4944	1076508.858	1406548.227	131.4167	1.7	LAMINA
114	6.0218	90.3358	41.8694	1076511.19	1406548.421	130.9841	1.7	NIVEL
115	8.4301	90.0829	42.0627	1076513.161	1406548.363	131.2939	1.7	NIVEL
116	10.5338	89.5809	42.301	1076514.781	1406548.326	131.4205	1.7	LAMINA
117	12.2436	89.4823	42.6506	1076515.952	1406548.442	131.5418	1.7	NIVEL
118	16.4108	88.132	42.612	1076519.016	1406547.588	132.7198	1.7	CORONA
119	351.4005	89.1756	70.7396	1076496.52	1406576.765	133.9637	0	CORONA
120	5.5922	89.1824	72.2058	1076514.303	1406578.594	133.9716	0	NIVEL
121	354.4302	89.532	70.8643	1076500.245	1406577.343	131.5355	1.7	NIVEL
122	357.354	89.0302	68.4832	1076503.897	1406575.195	131.4327	2.8	NIVEL
123	1.5646	89.5658	68.5683	1076509.1	1406575.313	131.4584	1.7	LAMINA
124	6.1142	90.0305	68.1384	1076514.124	1406574.528	131.3367	1.7	NIVEL
125	7.2411	90.0317	68.2088	1076515.56	1406574.428	131.2327	1.8	NIVEL
126	8.2625	90.0318	68.1823	1076516.779	1406574.233	131.3326	1.7	NIVEL
127	9.0123	89.5417	68.2448	1076517.475	1406574.189	131.5114	1.7	LAMINA
128	10.2522	88.5947	68.1609	1076519.101	1406573.816	134.2919	0	CORONA
129	8.0323	90.0701	117.2513	1076523.177	1406622.886	131.159	1.7	D114 - D115
130	188.0324	89.3531	117.2613	1076506.809	1406506.776	131.8249	1.7	D115 - D114
131	165.351	82.4547	18.499	1076527.755	1406605.115	133.3194	1.7	CORONA
132	174.204	88.1818	16.0193	1076524.764	1406606.953	131.4628	1.7	BORDE RIO
133	187.1827	88.3757	15.1075	1076521.264	1406607.905	131.3495	1.7	NIVEL
134	205.2325	89.3004	14.5294	1076516.955	1406609.757	131.1155	1.7	LAMINA
135	209.2843	90.1617	14.6439	1076515.978	1406610.134	130.9197	1.7	NIVEL
136	215.3422	90.5706	14.8298	1076514.558	1406610.821	130.7427	1.7	NIVEL
137	223.3254	91.0026	15.0814	1076512.794	1406611.951	130.7239	1.7	NIVEL
138	227.4905	89.3631	15.1817	1076511.933	1406612.686	131.0927	1.7	LAMINA
139	230.2752	87.0656	15.1524	1076511.511	1406613.247	131.7515	1.7	NIVEL
140	231.4221	85.0841	15.3049	1076511.213	1406613.429	133.9844	0	CORONA
141	278.2017	86.5032	23.7128	1076499.748	1406626.306	133.9952	0	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
142	51.5425	84.5059	15.4742	1076535.301	1406632.401	134.0781	0	CORONA
143	46.2145	89.4249	14.3668	1076533.569	1406632.806	131.0609	1.7	LAMINA
144	35.5759	91.0528	13.227	1076530.938	1406633.594	130.7372	1.7	NIVEL
145	14.2419	90.0942	12.7167	1076526.333	1406635.205	130.9531	1.7	NIVEL
146	0.3354	89.2946	12.5806	1076523.294	1406635.466	131.0996	1.7	LAMINA
147	344.5753	89.3434	14.9589	1076519.288	1406637.33	131.0997	1.7	NIVEL
148	327.1706	80.1953	17.3489	1076513.925	1406637.271	133.9028	1.7	CORONA
149	288.3503	84.4853	32.2187	1076492.757	1406633.095	133.9009	1.7	NIVEL
150	6.5132	88.3639	51.3702	1076529.281	1406673.877	133.9345	0	CORONA
151	347.4209	88.4127	55.1012	1076511.413	1406676.702	133.9482	0	NIVEL
152	9.0421	89.393	51.259	1076531.231	1406673.508	131.2948	1.7	BORDE RIO
153	12.341	90.0358	50.589	1076534.158	1406672.269	130.9309	1.7	LAMINA
154	15.1049	90.1247	50.5231	1076536.379	1406671.654	130.8013	1.7	NIVEL
155	18.5916	90.3045	50.8173	1076539.683	1406670.946	130.5346	1.7	NIVEL
156	23.4817	90.1344	51.7239	1076544.027	1406670.221	130.7825	1.7	NIVEL
157	24.1244	90.0643	51.739	1076544.369	1406670.086	130.8881	1.7	LAMINA
158	26.3818	89.2531	52.1144	1076546.515	1406669.48	133.212	0	NIVEL
159	28.2224	88.3432	51.8943	1076547.804	1406668.546	133.9792	0	CORONA
160	11.5954	89.2138	96.9431	1076543.275	1406717.717	132.0715	1.7	CORONA
161	14.2224	90.1116	96.0229	1076546.961	1406715.916	130.6749	1.7	NIVEL
162	14.3735	90.1643	95.712	1076547.293	1406715.509	130.5242	1.7	NIVEL
163	15.1303	90.1644	95.7035	1076548.244	1406715.247	130.4239	1.8	NIVEL
164	17.3303	90.1513	95.9453	1076552.057	1406714.381	130.5649	1.7	NIVEL
165	19.4734	90.1441	96.0883	1076555.662	1406713.316	130.579	1.7	NIVEL
166	20.3027	90.1048	95.0987	1076556.442	1406711.977	130.6907	1.7	LAMINA
167	22.5228	89.2102	94.3895	1076559.815	1406709.868	133.7596	0	NIVEL
168	15.1922	90.0948	131.6395	1076557.891	1406749.866	130.6146	1.7	LAMINA
169	15.363	90.1243	131.5056	1076558.488	1406749.562	130.5039	1.7	NIVEL
170	16.4124	90.1833	131.8469	1076560.97	1406749.198	130.2789	1.7	NIVEL
171	17.4714	90.0955	132.5279	1076563.59	1406749.102	130.6078	1.7	LAMINA
172	18.5113	89.3323	132.5976	1076565.953	1406748.39	133.7167	0	NIVEL
173	13.3046	90.0707	130.8084	1076553.67	1406750.091	130.7192	1.7	NIVEL
174	12.1416	89.394	130.3739	1076550.739	1406750.311	133.461	0	CORONA
175	18.4738	89.445	185.8625	1076582.955	1406798.872	133.5116	0	CORONA
176	17.2104	90.0848	186.0909	1076578.573	1406800.54	130.515	1.7	LAMINA
177	16.2404	90.0921	186.8604	1076575.837	1406802.172	130.4829	1.7	NIVEL
178	16.4837	90.0922	186.8748	1076577.12	1406801.806	130.4822	1.7	NIVEL
179	14.5502	90.3744	186.5578	1076571.096	1406803.173	130.4435	0.2	NIVEL
180	14.0117	90.1522	186.6191	1076568.288	1406803.969	130.4574	1.4	NIVEL
181	13.1226	89.5109	185.9729	1076565.564	1406803.964	133.1704	0	CORONA
182	16.5218	90.0532	276.8565	1076603.378	1406887.871	130.5482	1.7	D115 - D116
183	196.5218	89.4859	276.8597	1076523.176	1406622.884	131.1753	1.75	D116 - D115
184	203.2559	86.0142	40.7017	1076587.252	1406850.607	133.1024	1.75	CORONA
185	199.4526	89.4659	40.4808	1076589.715	1406849.766	130.4865	1.7	BORDE RIO
186	194.5335	89.0916	40.2243	1076593.062	1406848.997	130.9269	1.7	NIVEL
187	189.1131	89.4414	43.8267	1076596.401	1406844.604	130.5344	1.7	LAMINA
188	186.573	90.0415	44.4647	1076598.016	1406843.731	130.2783	1.7	NIVEL
189	184.0719	90.4039	46.7319	1076600.045	1406841.262	129.7808	1.7	NIVEL
190	182.1742	90.0435	47.5058	1076601.502	1406840.403	130.2701	1.7	NIVEL
191	180.2456	89.5153	48.582	1076603.053	1406839.291	130.448	1.7	NIVEL
192	179.514	89.4537	48.9122	1076603.524	1406838.96	130.538	1.7	LAMINA
193	178.5147	88.4355	50.1976	1076604.402	1406837.697	131.4443	1.7	NIVEL
194	174.1903	86.3449	52.1576	1076608.562	1406836.066	133.4446	1.7	CORONA
195	174.1252	87.3227	72.1124	1076610.681	1406816.197	133.2276	1.9	NIVEL
196	162.042	85.1636	38.5031	1076615.21	1406851.369	133.5039	1.7	CORONA
197	169.3456	89.4148	36.8538	1076610.062	1406851.629	130.5283	1.7	LAMINA
198	170.0221	90.1707	36.7999	1076609.764	1406851.63	130.15	1.7	NIVEL
199	171.0901	90.1615	36.0337	1076608.941	1406852.27	130.1629	1.7	NIVEL
200	173.0615	89.4513	35.2978	1076607.636	1406852.832	130.4851	1.7	LAMINA
201	180.3707	89.4055	33.5982	1076603.034	1406854.275	130.5198	1.7	NIVEL
202	190.5301	89.052	25.5815	1076598.562	1406862.75	130.74	1.7	NIVEL
203	199.4531	89.1113	23.9287	1076595.302	1406865.349	130.6727	1.7	BORDE RIO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
204	209.082	83.3547	24.6871	1076591.444	1406866.436	133.0866	1.7	CORONA
205	157.0126	81.2218	45.2399	1076620.86	1406846.702	138.8205	0	CORONA
206	157.0127	82.2246	51.18	1076623.205	1406841.179	138.8205	0	CORONA
207	148.4716	74.4048	30.763	1076618.767	1406862.505	138.4611	1.7	CORONA
208	144.1942	69.5325	23.0162	1076615.991	1406870.321	138.2466	1.7	CORONA
209	139.5259	70.4028	24.393	1076618.22	1406870.277	138.4058	1.7	CORONA
210	128.5902	63.482	23.5254	1076619.794	1406874.601	138.6178	3.8	CORONA
211	127.2623	66.2409	20.189	1076618.074	1406876.633	138.4151	1.7	CORONA
212	139.3307	64.2942	17.7858	1076613.799	1406875.661	137.9916	1.7	NIVEL
213	123.325	62.0929	16.7413	1076615.72	1406879.698	138.152	1.7	CORONA
214	98.11	56.5746	13.7569	1076614.794	1406886.236	137.8332	1.7	NIVEL
215	85.3348	50.4559	11.7061	1076612.417	1406888.578	137.7371	1.7	NIVEL
216	44.5502	57.4241	14.2825	1076611.898	1406896.426	137.9627	1.7	CORONA
217	263.4135	78.1719	13.5911	1076590.151	1406886.402	133.092	1.7	CORONA
218	267.4506	84.5458	8.9757	1076594.444	1406887.516	131.1286	1.7	NIVEL
219	286.5645	87.3419	4.3915	1076599.18	1406889.148	130.5192	1.7	NIVEL
220	5.1249	86.25	2.4443	1076603.598	1406890.301	130.486	1.7	LAMINA
221	27.3115	91.335	3.0621	1076604.791	1406890.587	130.2496	1.7	NIVEL
222	40.5108	95.2857	4.1076	1076606.05	1406890.966	129.9407	1.7	NIVEL
223	47.3226	96.0713	5.1042	1076607.12	1406891.3	129.789	1.7	NIVEL
224	52.2145	93.3313	6.2003	1076608.276	1406891.653	129.9489	1.7	NIVEL
225	52.2529	88.4735	6.5794	1076608.589	1406891.886	130.4718	1.7	LAMINA
226	68.3857	84.1429	8.0329	1076610.82	1406890.786	131.1392	1.7	NIVEL
227	22.5256	82.2123	14.5747	1076608.987	1406901.183	132.2718	1.7	NIVEL
228	15.0832	89.2539	12.6859	1076606.684	1406900.118	130.46	1.7	NIVEL
229	12.5101	90.4108	12.4943	1076606.149	1406900.054	130.1837	1.7	LAMINA
230	9.2955	92.1349	12.0925	1076605.365	1406899.79	129.8626	1.7	NIVEL
231	4.343	92.4812	11.7706	1076604.309	1406899.591	129.7575	1.7	NIVEL
232	357.4503	92.225	11.2422	1076602.93	1406899.095	129.8662	1.7	NIVEL
233	345.5317	89.3556	10.7659	1076600.747	1406898.311	130.4086	1.7	LAMINA
234	323.1746	89.2925	12.1922	1076596.085	1406897.642	130.4417	1.7	NIVEL
235	312.5657	89.1029	13.5222	1076593.476	1406897.078	130.5279	1.7	NIVEL
236	304.5415	87.0509	14.8207	1076591.234	1406896.334	131.0867	1.7	NIVEL
237	292.4335	81.5832	17.5671	1076587.329	1406894.583	132.7855	1.7	NIVEL
238	342.5113	85.3017	39.7689	1076591.668	1406925.749	133.4502	1.7	NIVEL
239	344.021	88.255	35.5128	1076593.595	1406921.996	131.306	1.7	NIVEL
240	343.3727	89.4717	34.415	1076593.656	1406920.885	130.4606	1.7	LAMINA
241	342.1418	90.3521	34.3992	1076592.866	1406920.623	129.9796	1.7	NIVEL
242	338.4004	90.3508	33.9367	1076591.015	1406919.474	129.9864	1.7	NIVEL
243	334.3741	90.0712	33.27	1076589.105	1406917.924	130.2636	1.7	NIVEL
244	331.1311	89.4136	33.5957	1076587.186	1406917.308	130.5131	1.7	LAMINA
245	325.382	89.3428	34.6241	1076583.82	1406916.442	130.5905	1.7	NIVEL
246	320.0126	89.4825	35.5546	1076580.52	1406915.104	130.4531	1.7	BORDE RIO
247	317.021	89.0059	35.883	1076578.911	1406914.112	130.9492	1.7	BORDE RIO
248	311.3342	86.0849	37.896	1076575.072	1406912.94	132.8799	1.7	CORONA
249	328.3901	89.5131	60.3343	1076571.959	1406939.379	130.4823	1.7	LAMINA
250	326.5438	90.0326	59.2565	1076570.998	1406937.499	130.2741	1.7	NIVEL
251	324.064	90.0014	58.1658	1076569.253	1406934.975	130.3295	1.7	NIVEL
252	321.2128	89.5847	57.3093	1076567.565	1406932.613	130.3537	1.7	NIVEL
253	319.1832	89.501	55.5277	1076567.151	1406929.954	130.4924	1.7	LAMINA
254	316.1535	89.4512	55.0746	1076565.277	1406927.64	130.5704	1.7	BORDE RIO
255	326.1528	89.5851	90.1644	1076553.253	1406962.819	130.3638	1.7	BORDE RIO
256	323.0427	90.0452	89.1347	1076549.787	1406959.097	130.2077	1.7	NIVEL
257	319.215	89.5811	88.3636	1076545.793	1406954.894	130.3802	1.7	NIVEL
258	318.0034	90.0027	88.6032	1076544.064	1406953.693	130.3221	1.7	LAMINA
259	317.1816	90.042	88.5669	1076543.283	1406952.931	130.2222	1.7	NIVEL
260	324.1659	89.2326	128.7286	1076528.173	1406992.339	133.4038	0	NIVEL
261	322.3726	90.0406	128.6135	1076525.246	1406990.032	130.181	1.7	NIVEL
262	321.1834	90.0532	128.527	1076522.977	1406988.145	130.1275	1.7	LAMINA
263	320.5657	90.0712	128.3875	1076522.436	1406987.53	130.0655	1.7	NIVEL
264	320.1456	90.0928	128.2882	1076521.288	1406986.456	129.981	1.7	NIVEL
265	319.1737	90.1227	128.6138	1076519.443	1406985.32	129.8683	1.7	NIVEL



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
266	318.3009	90.1651	128.8551	1076517.946	1406984.332	129.7024	1.7	NIVEL
267	317.3755	90.1345	128.8908	1076516.466	1406983.05	129.8186	1.7	NIVEL
268	317.1706	90.055	128.8817	1076515.897	1406982.516	130.1154	1.7	LAMINA
269	316.1231	89.3212	128.8244	1076514.177	1406980.811	133.0762	0	CORONA
270	320.0953	90.0215	204.9098	1076472.026	1407045.145	130.2019	1.7	D116 - D117
271	140.0953	89.4829	204.905	1076603.373	1406887.876	130.546	1.75	D117 - D116
272	139.3528	89.4722	124.9077	1076553.05	1406950.082	130.317	1.75	LAMINA
273	141.4445	89.4716	119.7151	1076546.201	1406951.178	130.351	1.7	LAMINA
274	142.3639	89.4934	110.2117	1076538.999	1406957.617	130.2421	1.7	LAMINA
275	141.1013	89.5018	102.1308	1076536.108	1406965.62	130.1956	1.7	LAMINA
276	144.0653	89.5226	101.7277	1076531.702	1406962.76	130.1315	1.7	NIVEL
277	144.0722	89.514	110.3573	1076536.752	1406955.762	130.1754	1.7	LAMINA
278	144.2023	89.4656	118.4469	1076541.132	1406948.948	130.358	1.7	NIVEL
279	149.0949	88.4548	56.1205	1076500.814	1406996.985	132.8182	0	NIVEL
280	147.3123	91.2427	56.0292	1076502.13	1406997.909	130.2309	0	LAMINA
281	146.0009	90.0326	55.9854	1076503.357	1406998.747	129.8511	1.7	NIVEL
282	141.2043	90.0311	53.5747	1076505.514	1407003.326	129.8575	1.7	NIVEL
283	137.1438	89.5614	53.3185	1076508.245	1407006.016	129.9655	1.7	NIVEL
284	134.2618	91.2743	53.5695	1076510.284	1407007.672	130.2405	0	LAMINA
285	131.2747	87.5017	53.6535	1076512.225	1407009.667	133.631	0	CORONA
286	233.5721	81.1323	19.9579	1076456.085	1407033.53	132.9523	1.7	NIVEL
287	176.3158	82.5602	24.7327	1076473.525	1407020.646	132.9494	1.7	CORONA
288	240.5304	88.5935	15.2067	1076458.748	1407037.739	130.1742	1.7	LAMINA
289	169.3232	86.5632	23.009	1076476.21	1407022.553	131.1343	1.7	NIVEL
290	163.2541	89.2248	21.6879	1076478.224	1407024.362	130.1416	1.7	LAMINA
291	250.2405	89.1654	12.5994	1076460.16	1407040.912	130.0649	1.7	NIVEL
292	157.0027	90.0509	21.1026	1076480.28	1407025.723	129.8754	1.7	NIVEL
293	263.1056	90.2522	10.3667	1076461.734	1407043.908	129.8304	1.7	NIVEL
294	146.2837	90.4718	20.3836	1076483.292	1407028.16	129.6265	1.7	NIVEL
295	274.5528	92.3646	9.4698	1076462.601	1407045.951	129.4752	1.7	NIVEL
296	137.455	91.1356	17.5114	1076483.802	1407032.189	129.5303	1.7	NIVEL
297	289.5638	93.5252	9.0769	1076463.512	1407048.229	129.2925	1.7	NIVEL
298	127.0608	90.545	15.8734	1076484.69	1407035.578	129.6537	1.7	NIVEL
299	125.3712	89.063	15.9094	1076484.963	1407035.887	130.1545	1.7	LAMINA
300	122.5001	86.5429	16.5849	1076485.947	1407036.173	130.8015	1.7	CORONA
301	118.3313	89.1342	16.2403	1076486.295	1407037.391	130.1256	1.7	LAMINA
302	115.11	90.2225	16.2254	1076486.713	1407038.249	129.8011	1.7	NIVEL
303	107.0337	90.0654	16.6276	1076487.925	1407040.276	129.8735	1.7	NIVEL
304	97.1802	89.5631	17.5964	1076489.482	1407042.919	129.9247	1.7	NIVEL
305	92.1522	89.1342	17.9557	1076489.967	1407044.448	130.1487	1.7	LAMINA
306	86.1305	85.2354	24.2771	1076496.172	1407046.755	131.8546	1.7	LAMINA
307	306.2129	88.23	9.194	1076464.622	1407050.589	130.1663	1.7	LAMINA
308	315.2648	81.1334	9.3536	1076465.537	1407051.728	131.3337	1.7	CORONA
309	98.0832	87.3544	45.9691	1076517.496	1407038.666	131.8356	1.7	CORONA
310	101.3729	89.164	47.0426	1076518.106	1407035.692	130.5001	1.7	BORDE RIO
311	105.2535	89.4103	46.888	1076517.232	1407032.698	130.1655	1.7	LAMINA
312	107.2143	90.1042	46.9957	1076516.889	1407031.146	129.7607	1.7	NIVEL
313	107.2711	90.1415	46.9915	1076516.862	1407031.076	129.7123	1.7	NIVEL
314	108.3236	90.3409	47.2398	1076516.82	1407030.148	129.4377	1.7	NIVEL
315	110.5219	90.022	46.6731	1076515.646	1407028.541	129.8754	1.7	NIVEL
316	112.1309	89.423	46.8476	1076515.405	1407027.454	130.1455	1.7	LAMINA
317	114.1855	88.543	48.4402	1076516.173	1407025.228	130.8299	1.7	NIVEL
318	120.0446	88.1236	48.7991	1076514.247	1407020.723	133.1313	0	CORONA
319	27.4907	76.0826	15.6723	1076479.12	1407058.606	133.9111	1.45	D117 - D118
320	87.375	86.2232	38.0273	1076509.944	1407046.735	132.311	1.7	D117 - D117 A
321	52.0635	77.3932	18.1274	1076485.996	1407056.028	133.7814	1.7	CORONA
322	346.221	70.0042	10.5288	1076469.689	1407054.759	133.506	1.7	NIVEL
323	314.0743	78.0019	13.8619	1076462.289	1407054.58	132.7877	1.7	CORONA
324	59.5754	88.3119	8.8399	1076479.674	1407049.572	130.1349	1.7	LAMINA
325	67.3521	91.2435	7.6044	1076479.053	1407048.047	129.7198	1.7	NIVEL
326	92.0434	88.1541	4.1167	1076476.139	1407044.998	130.0318	1.7	NIVEL
327	264.0605	86.4912	30.0973	1076442.136	1407042.039	131.5765	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
328	251.3717	86.4446	48.3523	1076426.223	1407029.898	132.6516	1.7	NIVEL
329	246.4719	87.3256	64.2281	1076413.066	1407019.821	132.8538	1.5	NIVEL
330	268.2453	89.3025	31.2193	1076440.821	1407044.263	130.1755	1.7	LAMINA
331	271.0643	89.5043	30.8307	1076441.201	1407045.726	129.9903	1.7	NIVEL
332	276.3335	90.1052	30.3535	1076441.87	1407048.595	129.8109	1.7	NIVEL
333	281.1629	90.2449	29.8972	1076442.704	1407050.973	129.6911	1.7	NIVEL
334	285.4738	90.3248	29.7235	1076443.422	1407053.218	129.6234	1.7	NIVEL
335	290.4024	90.2159	29.5561	1076444.368	1407055.563	129.718	1.7	NIVEL
336	294.5425	90.1028	29.7682	1076445.02	1407057.666	129.8163	1.7	NIVEL
337	296.1226	89.2929	29.9747	1076445.127	1407058.366	130.173	1.7	LAMINA
338	299.3604	86.5602	30.0671	1076445.913	1407059.961	133.2152	0	NIVEL
339	271.5247	88.013	54.1153	1076417.971	1407046.888	133.4721	0	NIVEL
340	273.022	89.471	53.9649	1076418.136	1407047.975	130.1084	1.7	LAMINA
341	273.5908	89.4404	53.9024	1076418.253	1407048.861	130.0568	1.8	NIVEL
342	274.5353	89.5224	53.9772	1076418.244	1407049.723	130.0264	1.7	NIVEL
343	276.5803	89.5224	54.1012	1076418.321	1407051.677	130.0267	1.7	NIVEL
344	279.1123	89.4652	55.2098	1076417.521	1407053.931	130.118	1.7	LAMINA
345	282.4013	89.482	55.9848	1076417.398	1407057.393	130.0971	1.7	NIVEL
346	283.0253	89.482	58.5102	1076415.02	1407058.322	130.1056	1.7	LAMINA
347	285.4336	89.5441	58.4113	1076415.793	1407060.945	129.9974	1.7	NIVEL
348	289.5118	89.565	59.2744	1076416.264	1407065.245	129.9617	1.7	NIVEL
349	291.3941	90.2401	59.5387	1076416.681	1407067.09	129.8911	1.3	NIVEL
350	293.2043	91.195	59.5186	1076417.382	1407068.693	130.2251	0	LAMINA
351	296.0155	88.2441	59.6963	1076418.392	1407071.303	133.2621	0	CORONA
352	286.5415	89.5511	69.2437	1076405.763	1407065.241	130.0042	1.7	NIVEL
353	282.501	89.5652	83.9161	1076390.197	1407063.741	129.9839	1.7	NIVEL
354	278.3921	90.0307	93.5748	1076379.51	1407059.175	129.8224	1.7	NIVEL
355	274.0625	90.1108	105.9284	1076366.366	1407052.671	129.5645	1.7	LAMINA
356	291.4022	88.155	89.3821	1076388.982	1407078.092	132.6152	1.7	CORONA
357	290.1325	90.0814	82.7942	1076394.32	1407073.721	129.7091	1.7	BORDE RIO
358	289.3122	90.0141	81.0029	1076395.665	1407072.171	129.8676	1.7	NIVEL
359	291.0248	90.0845	81.9361	1076395.54	1407074.527	129.6986	1.7	NIVEL
360	291.1833	90.02	83.047	1076394.64	1407075.28	129.8591	1.7	LAMINA
361	284.5139	89.5423	80.1595	1076394.537	1407065.659	130.0381	1.7	NIVEL
362	279.3652	89.4946	76.7441	1076396.353	1407057.919	130.1356	1.7	NIVEL
363	275.0153	89.5516	75.2336	1076397.079	1407051.7	130.0107	1.7	NIVEL
364	274.3942	89.5136	74.1828	1076398.086	1407051.132	130.0886	1.7	D117 - D119
365	94.3941	89.4511	74.1871	1076472.03	1407045.145	130.2238	1.7	D119 - D117
366	190.3855	90.4635	3.0567	1076397.523	1407048.128	129.8622	1.7	NIVEL
367	184.144	89.2756	3.3203	1076397.842	1407047.82	129.9346	1.7	BORDE RIO
368	191.5637	67.5237	7.4925	1076396.653	1407044.34	132.7253	1.7	CORONA
369	191.4305	85.0322	35.0738	1076391.009	1407016.913	132.9263	1.7	NIVEL
370	288.0035	88.0436	31.8355	1076367.822	1407060.952	132.6722	0	CORONA
371	287.1125	90.3605	30.4541	1076368.989	1407060.115	129.5841	1.7	LAMINA
372	287.0237	90.5653	30.2953	1076369.12	1407059.994	129.4024	1.7	NIVEL
373	279.1156	91.1328	26.2861	1076372.141	1407055.318	129.342	1.7	NIVEL
374	270.4845	91.3537	23.8882	1076374.209	1407051.457	129.2393	1.7	NIVEL
375	267.3048	91.3856	23.8164	1076374.302	1407050.085	129.2183	1.7	NIVEL
376	265.4808	90.5349	23.6063	1076374.547	1407049.391	129.5341	1.7	LAMINA
377	261.3311	89.5128	23.2097	1076375.13	1407047.709	129.9612	1.7	NIVEL
378	251.2715	90.005	26.5893	1076372.882	1407042.66	129.8972	1.7	NIVEL
379	245.095	83.1849	24.7199	1076375.811	1407040.807	132.4819	2	CORONA
380	210.0057	84.3544	30.6169	1076382.853	1407024.73	132.2874	2.2	NIVEL
381	262.0202	90.4111	32.9323	1076365.476	1407046.55	129.5091	1.7	LAMINA
382	255.4535	90.3401	37.5733	1076361.674	1407041.869	129.532	1.7	NIVEL
383	252.0003	90.3233	43.1258	1076357.08	1407037.783	129.4955	1.7	LAMINA
384	256.423	91.1958	44.9191	1076354.388	1407040.782	128.859	1.7	NIVEL
385	259.5929	91.2137	47.0184	1076351.801	1407042.936	128.7876	1.7	NIVEL
386	263.2054	91.0059	49.21	1076349.218	1407045.405	129.0308	1.7	NIVEL
387	264.4234	90.2242	52.0017	1076346.31	1407046.308	129.5603	1.7	LAMINA
388	268.112	88.073	55.025	1076343.119	1407049.362	131.7041	1.7	CORONA
389	263.0705	90.1702	99.4069	1076299.403	1407039.165	129.412	1.7	D119 - D120

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
390	83.0707	89.2533	99.4028	1076398.078	1407051.13	130.1159	1.7	D120 -D119
391	79.4852	89.2513	39.6088	1076338.382	1407046.191	129.5199	1.7	LAMINA
392	81.5037	89.1445	31.1855	1076330.268	1407043.606	129.5296	1.7	NIVEL
393	85.5837	89.0321	25.4974	1076324.833	1407040.968	129.5392	1.7	NIVEL
394	97.2453	89.1024	26.3834	1076325.565	1407035.775	129.4997	1.7	LAMINA
395	64.3904	86.5108	28.482	1076325.097	1407051.355	130.683	1.7	CORONA
396	74.1914	88.1451	26.6529	1076325.048	1407046.379	129.9341	1.7	BORDE RIO
397	61.1732	82.195	21.5057	1076318.091	1407049.413	131.9891	1.7	CORONA
398	69.4334	88.0927	18.696	1076316.928	1407045.65	129.7202	1.7	NIVEL
399	80.071	88.4154	17.1743	1076316.317	1407042.12	129.5092	1.7	NIVEL
400	89.0011	88.3544	16.3206	1076315.716	1407039.458	129.5191	1.7	NIVEL
401	100.094	88.5216	15.8644	1076315.017	1407036.375	129.4315	1.7	LAMINA
402	103.5629	89.1835	15.9774	1076314.911	1407035.324	129.3115	1.7	NIVEL
403	108.2228	89.3909	16.5627	1076315.124	1407033.953	129.2195	1.7	NIVEL
404	112.0527	89.3311	17.9192	1076316.01	1407032.435	129.2588	1.7	NIVEL
405	112.4649	89.061	18.3063	1076316.283	1407032.087	129.4056	1.7	LAMINA
406	121.1715	84.1159	18.6465	1076315.262	1407029.539	132.7034	0	NIVEL
407	264.2756	83.0124	18.8301	1076280.801	1407037.351	133.1063	0	CORONA
408	272.4836	89.2532	18.7548	1076280.671	1407040.073	129.307	1.7	LAMINA
409	272.5444	91.344	18.6734	1076280.76	1407040.102	128.6049	1.7	NIVEL
410	275.4402	91.2645	18.1277	1076281.371	1407040.965	128.6616	1.7	NIVEL
411	281.0047	91.0627	17.7716	1076281.96	1407042.549	128.7755	1.7	NIVEL
412	285.2813	90.2943	17.3695	1076282.661	1407043.788	128.9689	1.7	NIVEL
413	290.4031	89.2751	16.6513	1076283.822	1407045.035	129.2748	1.7	LAMINA
414	299.4743	88.4031	17.2567	1076284.427	1407047.729	129.518	1.7	NIVEL
415	308.0704	88.2812	18.0399	1076285.209	1407050.288	129.6007	1.7	BORDE RIO
416	320.1737	83.5246	18.8892	1076287.396	1407053.607	131.833	1	CORONA
417	294.4042	89.4648	33.1427	1076269.28	1407052.985	129.2463	1.7	LAMINA
418	292.054	89.3845	26.0877	1076275.226	1407048.963	129.2802	1.7	LAMINA
419	301.3649	87.3056	45.1601	1076260.967	1407062.793	132.7768	0	CORONA
420	296.3825	89.3149	44.8179	1076259.333	1407059.237	129.4865	1.7	BORDE RIO
421	295.2257	89.4946	44.4427	1076259.24	1407058.193	129.2515	1.7	LAMINA
422	293.472	90.0337	43.8305	1076259.287	1407056.822	129.0729	1.7	NIVEL
423	289.5415	89.5053	44.5214	1076257.533	1407054.298	129.2373	1.7	NIVEL
424	285.3853	90.0621	44.6429	1076256.408	1407051.182	129.0367	1.7	NIVEL
425	283.0951	90.1622	44.9003	1076255.677	1407049.365	128.9053	1.7	NIVEL
426	280.1526	90.032	45.1561	1076254.964	1407047.18	129.0752	1.7	NIVEL
427	279.4344	89.4946	45.0439	1076255.003	1407046.751	129.2532	1.7	LAMINA
428	275.4134	87.4729	45.2841	1076254.373	1407043.628	132.5642	0	CORONA
429	292.0831	89.4803	103.5657	1076203.454	1407078.144	129.8795	1.3	D120 - D121
430	112.0831	90.2018	103.5632	1076299.4	1407039.166	129.4386	1.3	D121 - D120
431	102.2809	88.2727	35.9368	1076238.534	1407070.408	132.3169	0	CORONA
432	107.5737	90.3734	35.6328	1076237.354	1407067.176	129.2602	1.7	LAMINA
433	118.0957	91.0051	19.8384	1076220.945	1407068.791	129.2984	1.7	LAMINA
434	109.1951	90.4644	35.5937	1076237.044	1407066.382	129.1658	1.7	NIVEL
435	121.4035	91.2839	19.7551	1076220.266	1407067.783	129.1402	1.7	NIVEL
436	115.0422	90.5926	35.0628	1076235.216	1407063.306	129.0435	1.7	NIVEL
437	125.5324	92.1446	19.7123	1076219.418	1407066.606	128.8769	1.7	NIVEL
438	119.2547	91.1156	34.625	1076233.614	1407061.152	128.9252	1.7	NIVEL
439	124.1333	91.1357	34.5237	1076232.003	1407058.747	128.907	1.7	NIVEL
440	125.2536	90.3829	34.6999	1076231.739	1407058.047	129.2611	1.7	LAMINA
441	130.2532	91.0726	19.1071	1076218.003	1407065.765	129.2748	1.7	LAMINA
442	138.1651	84.3531	19.3166	1076216.259	1407063.797	133.1701	0	NIVEL
443	178.4552	86.1423	27.7083	1076204.065	1407050.502	132.9667	0.2	NIVEL
444	128.4545	88.2637	32.9554	1076229.153	1407057.533	130.5446	1.7	NIVEL
445	130.1137	84.5558	33.1772	1076228.71	1407056.83	132.5799	1.7	CORONA
446	167.1627	85.5714	41.5673	1076212.61	1407037.704	132.7826	1.5	NIVEL
447	110.5441	90.3622	19.7063	1076221.865	1407071.121	129.4411	1.7	NIVEL
448	100.235	89.543	22.1073	1076225.2	1407074.167	129.6849	1.7	NIVEL
449	95.1913	89.2935	23.9084	1076227.259	1407075.941	129.8611	1.7	BORDE RIO
450	95.0116	85.5412	25.4124	1076228.705	1407075.94	133.165	0	CORONA
451	94.5232	87.1836	38.9585	1076242.23	1407074.859	132.978	0.2	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
452	50.0517	84.0905	24.3093	1076221.994	1407093.67	132.1267	1.7	CORONA
453	50.0528	84.0903	24.3186	1076222.002	1407093.675	132.1278	1.7	NIVEL
454	50.0527	86.2325	39.2616	1076233.496	1407103.3	132.3215	1.5	NIVEL
455	48.0647	89.0559	18.3053	1076217.073	1407090.372	129.9372	1.7	BORDE RIO
456	46.1105	89.4711	13.8352	1076213.431	1407087.728	129.7011	1.7	NIVEL
457	45.1734	88.2818	12.3053	1076212.191	1407086.803	129.9777	1.7	NIVEL
458	34.322	93.1747	6.2349	1076206.98	1407083.274	129.291	1.7	LAMINA
459	26.0326	97.3754	4.6331	1076205.468	1407082.271	129.0342	1.7	NIVEL
460	9.4153	100.374	3.5098	1076204.033	1407081.545	129.0022	1.7	NIVEL
461	349.15	99.23	3.0552	1076202.89	1407081.105	129.1514	1.7	NIVEL
462	345.3229	97.2638	2.8792	1076202.739	1407080.908	129.2765	1.7	LAMINA
463	304.1955	99.1019	3.1961	1076200.847	1407079.922	130.8401	0	NIVEL
464	308.0417	74.4138	4.7401	1076199.853	1407080.961	132.6008	0	CORONA
465	262.1432	86.3433	20.9501	1076182.734	1407075.309	132.4008	0.2	NIVEL
466	8.0051	88.0041	38.5765	1076208.807	1407116.324	131.1882	1.5	CORONA
467	348.1437	88.2129	45.7749	1076194.105	1407122.935	130.9612	1.7	NIVEL
468	2.2805	89.4035	37.6273	1076205.053	1407115.737	129.8621	1.7	BORDE RIO
469	356.4315	89.4959	37.2505	1076201.302	1407115.332	129.7582	1.7	NIVEL
470	351.0515	90.113	37.1758	1076197.673	1407114.868	129.5252	1.7	NIVEL
471	347.4758	90.3427	36.9205	1076195.631	1407114.224	129.2797	1.7	LAMINA
472	346.1009	90.5001	36.8389	1076194.628	1407113.906	129.1137	1.7	NIVEL
473	342.4302	91.1559	35.4711	1076192.899	1407111.999	128.8657	1.7	NIVEL
474	339.4825	91.0645	35.3323	1076191.241	1407111.292	128.9635	1.7	NIVEL
475	337.5751	90.3425	35.4285	1076190.143	1407110.975	129.2948	1.7	NIVEL
476	333.3912	89.4753	34.8051	1076187.989	1407109.325	131.4722	0	NIVEL
477	332.2714	84.3936	32.7562	1076188.354	1407107.052	132.6981	1.7	CORONA
478	307.1514	86.1751	47.1022	1076166.024	1407106.577	132.8912	1.5	NIVEL
479	7.3052	88.0226	61.1775	1076211.415	1407138.765	131.7415	1.7	CORONA
480	1.2736	89.5135	61.1783	1076204.978	1407139.303	129.7995	1.7	BORDE RIO
481	358.3439	90.08	61.522	1076201.891	1407139.646	129.5064	1.7	NIVEL
482	354.2316	90.0252	62.3736	1076197.319	1407140.215	129.5976	1.7	NIVEL
483	351.1631	90.2102	63.419	1076193.798	1407140.823	129.2616	1.7	LAMINA
484	350.0333	90.2636	63.8276	1076192.4	1407141.005	129.1559	1.7	NIVEL
485	347.505	90.3113	66.4411	1076189.43	1407143.086	129.0464	1.7	NIVEL
486	346.4821	90.2833	65.519	1076188.463	1407141.923	129.0056	1.8	NIVEL
487	346.1112	90.1933	65.3769	1076187.809	1407141.62	129.278	1.7	LAMINA
488	344.4507	89.3621	65.2446	1076186.259	1407141.081	130.0985	1.7	NIVEL
489	344.4542	88.4142	64.9898	1076186.341	1407140.823	132.8297	0	CORONA
490	327.3928	88.4417	68.0147	1076167.044	1407135.573	132.7477	0.1	NIVEL
491	316.3116	88.3835	73.8367	1076152.631	1407131.678	132.9982	0.1	NIVEL
492	348.3407	90.182	73.8828	1076188.77	1407150.552	129.2558	1.7	NIVEL
493	349.193	90.1706	76.572	1076189.227	1407153.382	129.2691	1.7	NIVEL
494	348.5202	90.1705	74.6762	1076188.993	1407151.406	129.2789	1.7	NIVEL
495	348.2714	89.0441	77.2084	1076187.959	1407153.771	132.5923	0	CORONA
496	340.1841	87.5851	75.7192	1076177.919	1407149.378	132.3178	1.7	CORONA
497	1.203	90.1129	96.6391	1076205.662	1407174.757	129.3274	1.7	D121 - D122
498	340.1202	87.3021	75.0954	1076178.001	1407148.719	129.6177	5	EJE CANAL
499	332.0648	86.2059	77.6676	1076167.161	1407146.633	132.4947	3.8	CORONA
500	332.0947	87.0954	76.7722	1076167.61	1407145.929	130.1469	5	EJE CANAL
501	331.3152	87.0012	74.1247	1076168.131	1407143.196	132.4247	2.8	NIVEL
502	339.1825	87.4413	71.4158	1076178.2	1407144.886	132.4698	1.7	NIVEL
503	346.5948	87.3931	71.4515	1076187.35	1407147.696	132.5689	1.7	NIVEL
504	181.2031	89.2935	96.6467	1076203.453	1407078.14	129.898	1.7	D122 - D121
505	284.1826	77.3531	7.8214	1076198.259	1407176.641	130.723	1.7	ANULAR
507	284.3157	86.32	27.6792	1076178.913	1407181.675	132.4161	0	NIVEL
508	272.3243	87.4713	42.6604	1076163.074	1407176.626	132.1899	0.2	NIVEL
509	281.2559	88.3638	7.027	1076198.775	1407176.146	129.2128	1.7	LAMINA
510	278.0347	89.5836	6.4889	1076199.236	1407175.664	129.045	1.7	NIVEL
511	270.394	88.5212	4.2055	1076201.457	1407174.804	129.1253	1.7	NIVEL
512	229.151	86.2115	3.5714	1076202.963	1407172.43	129.2695	1.7	LAMINA
513	192.1405	85.193	4.6121	1076204.69	1407170.264	129.4183	1.7	NIVEL
514	170.3745	88.2458	10.7421	1076207.416	1407164.164	129.3393	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
515	164.1112	88.0845	17.2367	1076210.366	1407158.184	129.6001	1.7	BORDE RIO
516	164.0409	85.2442	26.4185	1076212.904	1407149.439	131.8558	1	CORONA
517	194.1343	86.0046	30.3779	1076198.23	1407145.379	131.8548	1	NIVEL
518	46.5715	84.2732	22.0182	1076221.669	1407189.726	131.1685	1.7	CORONA
519	77.2753	86.0308	30.8884	1076235.738	1407181.463	131.169	1.7	NIVEL
520	39.3116	89.5441	21.0138	1076219.025	1407190.975	129.0749	1.7	LAMINA
521	37.1221	90.4954	20.8474	1076218.257	1407191.367	128.7398	1.7	NIVEL
522	33.0843	92.0123	20.191	1076216.685	1407191.659	128.3297	1.7	NIVEL
523	26.4412	94.2509	17.4888	1076213.497	1407190.334	127.6949	1.7	NIVEL
524	22.59	95.2216	15.5985	1076211.718	1407189.058	127.5823	1.7	NIVEL
525	16.5809	94.4015	14.3422	1076209.826	1407188.432	127.8745	1.7	NIVEL
526	16.5703	94.403	14.3533	1076209.825	1407188.444	127.8726	1.7	NIVEL
527	9.2308	95.5317	13.3563	1076207.821	1407187.867	127.6722	1.7	NIVEL
528	3.3658	95.1151	13.0665	1076206.475	1407187.745	127.8587	1.7	NIVEL
529	357.582	89.5447	12.2065	1076205.223	1407186.956	129.0609	1.7	LAMINA
530	321.2754	74.1941	11.6737	1076198.654	1407183.545	132.1958	1.7	CORONA
531	321.2735	85.0133	36.3803	1076183.064	1407203.093	131.9968	1.9	NIVEL
532	303.2628	86.3509	59.4069	1076156.159	1407207.409	132.5806	1.7	NIVEL
533	294.5253	85.2653	44.4049	1076165.495	1407193.359	132.3667	1.9	NIVEL
534	2.1631	87.4228	46.2012	1076207.468	1407220.886	132.5905	0	CORONA
535	6.2356	89.5732	46.1293	1076210.777	1407220.602	129.0757	1.7	LAMINA
536	10.1431	90.174	46.0473	1076213.823	1407220.075	128.8059	1.7	NIVEL
537	14.3612	90.3141	45.968	1076217.226	1407219.245	128.6189	1.7	NIVEL
538	14.3948	90.3604	45.9665	1076217.272	1407219.231	128.5603	1.7	NIVEL
539	19.0241	90.3514	44.8369	1076220.267	1407217.146	128.5831	1.7	NIVEL
540	19.3658	89.5513	45.1352	1076220.79	1407217.282	129.1053	1.7	LAMINA
541	6.5059	89.5028	79.478	1076215.096	1407253.673	20.2352	1.7	D122 - D123
542	186.5057	89.3748	79.4878	1076205.661	1407174.749	129.3492	1.7	D123 - D122
543	159.0347	82.1103	26.7479	1076224.579	1407228.929	132.4728	1.7	CORONA
544	104.1804	55.044	6.2202	1076220.039	1407252.416	132.3962	1.7	CORONA
545	161.2608	88.4623	12.7254	1076219.153	1407241.615	129.1079	1.7	LAMINA
546	152.0337	88.2059	10.0191	1076219.793	1407244.828	129.1239	1.7	LAMINA
547	158.5307	88.5812	9.3489	1076218.468	1407244.955	129.0035	1.7	LAMINA
548	184.0041	90.4005	9.973	1076214.404	1407243.725	128.7191	1.7	LAMINA
549	203.5227	89.4513	10.5173	1076210.845	1407244.053	128.8807	1.7	LAMINA
550	213.0012	88.4322	11.9242	1076208.608	1407243.672	129.1012	1.7	LAMINA
551	222.113	88.0628	14.9837	1076205.045	1407242.572	129.3302	1.7	BORDE RIO
552	233.052	87.4713	13.9694	1076203.94	1407245.283	129.3748	1.7	NIVEL
553	237.4341	83.4841	27.8646	1076191.681	1407238.869	131.8393	1.7	CORONA
554	242.2712	83.223	25.3449	1076192.781	1407242.017	131.7594	1.7	NIVEL
555	240.2856	84.3109	35.1727	1076184.638	1407236.406	132.1949	1.7	NIVEL
556	241.4145	86.4825	59.6136	1076162.707	1407225.422	132.1563	1.7	NIVEL
557	251.4532	87.1219	5.5142	1076209.866	1407251.946	129.1043	1.7	LAMINA
558	345.0827	88.3104	7.2779	1076213.226	1407260.704	129.0237	1.7	LAMINA
559	287.2208	82.0712	22.5649	1076193.759	1407260.334	131.929	1.7	CORONA
560	287.2331	86.1505	47.4687	1076169.886	1407267.806	131.7391	1.9	NIVEL
561	287.2331	87.3241	72.426	1076146.032	1407275.263	131.8384	1.8	NIVEL
562	296.535	88.4546	17.6181	1076199.383	1407261.633	129.2158	1.7	BORDE RIO
563	316.0704	89.0123	19.3145	1076201.702	1407267.585	129.1647	1.7	NIVEL
564	334.5655	89.0437	17.2683	1076207.776	1407269.311	129.1136	1.7	NIVEL
565	347.2834	89.5656	17.0256	1076211.395	1407270.292	128.8506	1.7	LAMINA
566	352.3335	90.1811	17.4946	1076212.821	1407271.019	128.7429	1.7	NIVEL
567	357.3719	89.5333	18.1456	1076214.333	1407271.803	128.8695	1.7	NIVEL
568	1.3651	84.3243	18.5268	1076215.605	1407272.109	132.2966	0	CORONA
569	338.5223	90.091	73.2232	1076188.665	1407321.959	128.6405	1.7	D123 - D124
570	158.5223	89.2044	73.2242	1076215.095	1407253.677	129.2754	1.7	D124 - D123
571	202.2648	82.2044	29.3533	1076177.572	1407295.066	132.3483	1.7	CORONA
572	243.0707	84.1041	38.5752	1076154.446	1407304.588	132.3517	1.7	NIVEL
573	253.014	86.1631	64.879	1076126.754	1407303.026	132.6535	1.7	NIVEL
574	193.3659	89.1018	22.9811	1076183.268	1407299.623	128.7708	1.7	BORDE RIO
575	191.0348	89.3728	21.6363	1076184.525	1407300.723	128.5803	1.7	LAMINA
576	187.0951	90.1555	21.2017	1076186.033	1407300.922	128.3404	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
577	179.453	89.5955	21.0123	1076188.766	1407300.947	128.4391	1.7	NIVEL
578	174.5001	89.4048	20.2812	1076190.503	1407301.762	128.5518	1.7	NIVEL
579	167.1255	90.2229	19.6115	1076193.016	1407302.837	128.3103	1.7	NIVEL
580	160.572	90.0644	19.2596	1076194.96	1407303.758	128.4008	1.7	NIVEL
581	157.1813	89.1054	12.8784	1076193.64	1407310.082	128.6224	1.7	NIVEL
582	142.2234	86.0215	9.4686	1076194.436	1407314.481	129.0928	1.7	BORDE RIO
583	141.1901	77.2823	15.6781	1076198.238	1407310.018	131.839	1.7	NIVEL
584	135.3713	83.1526	30.6618	1076209.974	1407300.209	132.0387	1.7	NIVEL
585	194.2325	85.4017	2.127	1076188.139	1407319.905	128.599	1.7	LAMINA
586	5.4849	88.2723	5.1074	1076189.179	1407327.039	128.5761	1.7	NIVEL
587	28.0132	89.2536	16.9581	1076196.624	1407336.933	128.6082	1.7	LAMINA
588	303.1525	72.412	12.8865	1076178.373	1407328.7	132.273	1.7	NIVEL
589	303.0455	83.4915	37.533	1076157.388	1407342.309	132.4786	1.7	NIVEL
590	305.5835	86.0045	62.4817	1076138.203	1407358.547	132.7836	1.7	NIVEL
591	312.135	78.5425	10.574	1076180.978	1407328.929	130.473	1.7	NIVEL
592	314.523	89.1347	9.4246	1076181.983	1407328.605	128.5652	1.7	LAMINA
593	322.0908	91.08	8.6663	1076183.345	1407328.798	128.2671	1.7	NIVEL
594	341.5741	90.4929	9.2714	1076185.789	1407330.773	128.3051	1.7	NIVEL
595	354.0645	91.313	9.6036	1076187.675	1407331.508	128.1829	1.7	NIVEL
596	6.4341	90.0409	10.1664	1076189.85	1407332.056	128.4262	1.7	NIVEL
597	11.5046	89.1213	10.111	1076190.735	1407331.855	128.5791	1.7	LAMINA
598	38.3928	83.5932	17.082	1076199.27	1407335.231	131.9264	0	CORONA
599	85.0025	86.4009	30.2707	1076218.769	1407324.607	131.6974	0.2	NIVEL
600	2.5844	84.5621	44.3471	1076190.936	1407366.075	132.2507	1.8	CORONA
601	333.2748	85.2204	50.9106	1076165.968	1407367.345	132.4501	1.8	NIVEL
602	317.2951	86.4105	70.2417	1076141.258	1407373.631	132.401	1.8	NIVEL
603	8.5659	89.4652	40.6717	1076194.97	1407362.139	128.5941	1.7	BORDE RIO
604	12.2224	89.491	40.8882	1076197.404	1407361.903	128.5675	1.7	LAMINA
605	15.2727	89.5924	41.0946	1076199.595	1407361.574	128.4458	1.7	NIVEL
606	19.233	90.0614	41.1458	1076202.304	1407360.779	128.3641	1.7	NIVEL
607	22.1923	89.591	41.1882	1076204.288	1407360.07	128.4487	1.7	NIVEL
608	24.0627	89.4829	41.2966	1076205.511	1407359.663	128.5769	1.7	CORONA
609	27.0525	87.2244	41.2225	1076207.397	1407358.632	132.0239	0	CORONA
610	49.0813	87.3553	44.9178	1076222.589	1407351.34	132.0211	0	NIVEL
611	13.3845	87.2354	73.0126	1076205.832	1407392.848	132.2531	1.2	CORONA
612	352.3529	87.3525	83.581	1076177.85	1407404.763	132.4533	1.2	NIVEL
613	49.1214	87.593	86.0335	1076253.724	1407378.173	131.954	1.2	NIVEL
614	17.1135	90.0014	71.9733	1076209.901	1407390.729	128.4341	1.7	LAMINA
615	17.3725	90.1214	71.9021	1076210.395	1407390.499	128.183	1.7	NIVEL
616	20.0908	90.0348	71.4008	1076213.226	1407389.003	128.3599	1.7	NIVEL
617	21.2923	90.0348	71.1476	1076214.691	1407388.176	128.3603	1.7	NIVEL
618	22.1156	89.5749	70.8126	1076215.383	1407387.538	128.4837	1.7	LAMINA
619	25.0226	89.5254	70.1925	1076218.338	1407385.571	128.5837	1.7	NIVEL
620	28.0257	88.0817	70.8021	1076221.905	1407384.431	132.4392	0	CORONA
621	37.3838	88.1054	72.4967	1076232.888	1407379.36	132.1394	0.3	NIVEL
622	17.482	89.3252	160.2541	1076237.581	1407474.56	129.7053	1.7	D124 - D125
623	22.1346	88.5836	132.2245	1076238.61	1407444.365	132.5012	0	CORONA
624	28.2631	88.5939	133.3792	1076252.113	1407439.258	132.481	0	NIVEL
625	20.2	89.5935	131.8772	1076234.42	1407445.645	128.4558	1.7	LAMINA
626	20.0526	90.0639	131.5073	1076233.768	1407445.49	128.1851	1.7	NIVEL
627	19.084	90.1134	130.963	1076231.544	1407445.703	127.9991	1.7	NIVEL
628	17.5323	90.0733	129.3825	1076228.34	1407445.108	128.1555	1.7	NIVEL
629	197.4819	90.1724	160.2434	1076188.668	1407321.967	128.6706	1.7	D125 - D124
630	198.4926	92.1105	32.217	1076227.21	1407444.083	128.2522	1.7	NIVEL
631	203.3305	91.5919	32.7503	1076224.52	1407444.549	128.3439	1.7	NIVEL
632	204.5859	91.5108	32.9441	1076223.691	1407444.706	128.4155	1.7	LAMINA
633	216.5027	87.2434	26.9251	1076221.465	1407453.025	130.6973	1.7	NIVEL
634	219.2228	84.5608	29.7809	1076218.775	1407451.618	132.1092	1.7	CORONA
635	250.1807	86.5413	48.6512	1076191.853	1407458.16	132.1084	1.7	NIVEL
636	270.4945	87.2749	63.8887	1076173.761	1407475.448	132.3079	1.7	NIVEL
637	269.5723	82.4135	17.5797	1076220.144	1407474.537	131.7162	1.7	CORONA
638	269.5752	86.4239	42.5336	1076195.117	1407474.51	131.9207	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
639	259.5222	87.5032	67.5289	1076171.158	1407462.657	132.0231	1.7	NIVEL
640	293.0539	94.4416	12.4502	1076226.165	1407479.421	128.452	1.7	LAMINA
641	309.1102	96.3042	9.5451	1076230.226	1407480.548	128.3978	1.7	NIVEL
642	348.3214	94.39	12.9912	1076235	1407487.249	128.4271	1.7	NIVEL
643	349.0852	92.3711	26.6056	1076232.562	1407500.66	128.2643	1.7	NIVEL
644	336.0741	91.5036	38.6611	1076221.923	1407509.887	128.2367	1.7	NIVEL
645	324.5503	91.333	45.518	1076211.408	1407511.78	128.2426	1.7	LAMINA
646	318.5419	88.5404	36.0029	1076213.905	1407501.675	130.1709	1.7	D125 - D126
647	291.5956	97.1012	9.6049	1076228.743	1407478.125	128.2815	1.7	NIVEL
648	297.3107	101.2917	5.8877	1076232.462	1407477.223	128.3077	1.7	NIVEL
649	323.1739	111.1758	3.6998	1076235.519	1407477.323	128.1364	1.7	NIVEL
650	332.0658	109.4705	3.1275	1076236.203	1407477.161	128.4217	1.7	LAMINA
651	2.5839	87.0029	18.8203	1076238.546	1407493.33	132.1626	0	CORONA
652	23.3933	79.1045	4.825	1076239.48	1407478.902	132.0861	0	CORONA
653	359.5444	92.0011	18.7794	1076237.541	1407493.328	128.3739	2.15	LAMINA
654	358.0043	93.5222	18.7509	1076236.921	1407493.257	128.2138	1.7	NIVEL
655	354.3021	94.0118	18.5255	1076235.801	1407492.954	128.1811	1.7	NIVEL
656	351.2226	93.3653	18.2029	1076234.846	1407492.52	128.3326	1.7	LAMINA
657	338.1216	92.323	19.7856	1076230.231	1407492.909	128.6029	1.7	NIVEL
658	321.2913	91.2556	21.7888	1076224.008	1407491.596	128.9358	1.7	BORDE RIO
659	311.4317	89.2142	24.8326	1076219.038	1407491.075	131.457	0	CORONA
660	277.4916	89.2433	35.9182	1076201.996	1407479.428	131.5507	0	NIVEL
661	306.405	86.5914	33.7339	1076210.553	1407494.668	131.6533	1.3	NIVEL
662	315.0357	89.1244	34.946	1076212.887	1407499.283	130.3609	1.3	CORONA
663	322.3903	89.4522	36.2994	1076215.543	1407503.404	129.6349	1.7	BORDE RIO
664	329.2118	91.1132	38.8976	1076217.739	1407508.007	128.671	1.7	NIVEL
665	332.5602	91.3741	41.2213	1076218.811	1407511.242	128.3093	1.7	LAMINA
666	334.1901	92.0803	42.4464	1076219.176	1407512.776	127.8997	1.7	NIVEL
667	335.1749	92.193	43.4405	1076219.419	1407513.983	127.7182	1.7	NIVEL
668	336.4905	92.4843	44.8033	1076219.942	1407515.687	127.2824	1.7	NIVEL
669	357.4146	92.1056	31.4456	1076236.3	1407505.957	128.283	1.7	LAMINA
670	357.1223	91.5	38.266	1076235.695	1407512.76	128.2562	1.7	NIVEL
671	355.364	91.3642	42.4825	1076234.307	1407516.9	128.2855	1.7	LAMINA
672	352.5611	92.4204	41.8901	1076232.412	1407516.083	127.5062	1.7	NIVEL
673	351.1403	92.5537	41.1501	1076231.295	1407515.173	127.3791	1.7	NIVEL
674	350.1236	93.1021	40.8158	1076230.628	1407514.716	127.2215	1.7	NIVEL
675	348.5814	93.2653	40.5955	1076229.806	1407514.329	127.0388	1.7	NIVEL
676	347.055	93.2418	38.6761	1076228.938	1407512.188	127.1832	1.7	NIVEL
677	343.4202	93.35	37.4253	1076227.077	1407510.405	127.1413	1.7	NIVEL
678	340.4656	92.4458	36.7082	1076225.492	1407509.176	127.7195	1.7	NIVEL
679	139.1933	63.1828	2.4231	1076237.582	1407474.559	130.5687	1.7	D126 - D125
679	138.5419	90.2121	35.9992	1076238.993	1407472.919	129.7224	1.7	CORONA
680	232.4232	82.4405	15.8237	1076201.422	1407492.157	131.947	1.7	CORONA
681	232.422	88.1556	65.6101	1076161.756	1407461.909	131.7321	1.9	BORDE RIO
682	272.004	96.2818	12.1282	1076201.861	1407502.091	128.5789	1.7	NIVEL
683	289.2114	96.0145	15.0459	1076199.785	1407506.625	128.3655	1.7	LAMINA
684	293.3643	95.5143	16.1748	1076199.158	1407508.111	128.294	1.7	NIVEL
685	298.4653	96.0336	18.9514	1076197.382	1407510.739	127.9452	1.7	NIVEL
686	295.5141	96.0854	16.8961	1076198.784	1407508.994	128.1363	1.7	NIVEL
687	301.1749	95.3649	20.7113	1076196.286	1407512.372	127.9199	1.7	LAMINA
688	303.194	94.2208	21.7963	1076195.739	1407513.605	128.2856	1.7	PATA
689	306.1759	92.3047	23.2041	1076195.214	1407515.388	128.9285	1.7	PATA
690	329.5416	92.1241	21.3012	1076203.221	1407520.084	129.124	1.7	LAMINA
691	330.482	94.4707	19.7106	1076204.314	1407518.816	128.3016	1.7	NIVEL
692	270.0717	92.1313	44.4568	1076169.481	1407501.743	128.2237	1.7	LAMINA
693	269.0249	92.243	43.9815	1076169.969	1407500.919	128.098	1.7	NIVEL
694	266.1713	92.3501	43.5684	1076170.474	1407498.831	127.982	1.7	NIVEL
695	261.5646	92.5209	40.7915	1076173.569	1407495.944	127.9042	1.7	LAMINA
696	259.2618	92.5812	39.7533	1076174.882	1407494.376	127.8862	1.7	BORDE RIO
697	256.4901	93.0029	35.6514	1076179.245	1407493.535	128.0751	1.7	CORONA
698	248.5522	85.3314	37.5072	1076179.02	1407488.207	131.7535	2.8	NIVEL
699	234.1618	86.5956	59.3869	1076165.781	1407467.016	131.9555	2.8	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
700	286.1239	94.0442	23.4633	1076191.428	1407508.196	128.2772	1.7	BORDE RIO
701	267.555	91.172	76.3585	1076137.617	1407498.875	128.2286	1.7	NIVEL
702	264.4417	91.2552	76.3116	1076137.943	1407494.635	128.0404	1.7	D126 - D127
703	268.0254	90.5936	90.9967	1076122.976	1407498.525	128.369	1.7	D127 - D126
704	88.0254	88.4129	90.9977	1076213.896	1407501.675	130.2029	1.7	LAMINA
705	115.5812	90.3142	15.7643	1076137.152	1407491.63	127.9787	1.7	NIVEL
706	118.4934	91.1447	16.241	1076137.206	1407490.704	127.7707	1.7	NIVEL
707	122.5721	91.3532	17.1219	1076137.343	1407489.222	127.6483	1.7	NIVEL
708	126.1007	91.3815	17.7671	1076137.319	1407488.052	127.6163	1.7	LAMINA
709	128.5503	90.2356	18.1334	1076137.091	1407487.141	127.9978	1.7	CORONA
710	144.475	82.5639	19.3401	1076134.05	1407482.848	130.4997	1.7	CORONA
711	1.5516	74.3117	10.727	1076123.317	1407508.857	130.9868	1.7	BORDE RIO
712	330.4527	82.241	8.0601	1076119.07	1407505.494	129.1896	1.7	NIVEL
713	312.0836	86.3022	7.6578	1076117.306	1407503.65	128.5907	1.7	LAMINA
714	294.0406	90.3546	7.7107	1076115.935	1407501.665	128.0438	1.7	NIVEL
715	290.4548	92.5629	7.9743	1076115.528	1407501.344	127.7148	1.7	NIVEL
716	285.1431	94.3451	8.6422	1076114.663	1407500.785	127.4338	1.7	NIVEL
717	279.0114	95.2142	9.6844	1076113.453	1407500.031	127.2191	1.7	NIVEL
718	274.3122	96.3034	10.5977	1076112.479	1407499.349	126.9226	1.7	CORONA
719	199.0011	81.5954	20.3006	1076116.441	1407479.514	130.9499	1.7	CORONA
720	229.5035	79.0319	18.3688	1076109.199	1407486.887	131.6115	1.7	NIVEL
721	229.4518	85.0558	43.2118	1076090.13	1407470.691	131.8156	1.7	NIVEL
722	234.5759	86.4853	68.1294	1076067.299	1407459.443	131.9101	1.7	NIVEL
723	217.2655	84.0154	14.8793	1076113.985	1407486.771	129.6711	1.7	LAMINA
724	214.2019	90.2914	10.8593	1076116.856	1407489.555	128.0317	1.7	NIVEL
725	218.1322	95.2046	10.0207	1076116.808	1407490.683	127.1904	1.7	NIVEL
726	244.4016	96.3541	9.1453	1076114.767	1407494.633	127.0737	1.7	NIVEL
727	259.481	96.3536	9.1379	1076114.043	1407496.913	126.8748	1.9	CORONA
728	280.2651	81.5755	25.9181	1076097.735	1407503.164	131.7467	1.7	NIVEL
729	280.2818	86.0354	55.8817	1076068.149	1407508.626	131.959	1.7	NIVEL
730	272.3749	87.061	75.8344	1076047.317	1407501.957	131.9573	1.7	CORONA
731	298.2558	86.2206	35.4797	1076091.829	1407515.366	132.0715	0	CORONA
732	345.3028	83.0722	22.9506	1076117.262	1407520.582	131.2722	1.3	CORONA
733	322.1217	85.2141	46.9006	1076094.307	1407535.448	131.9169	1.7	NIVEL
734	290.334	86.4434	66.7945	1076060.525	1407521.91	131.8193	1.8	NIVEL
735	330.2936	88.2808	24.2451	1076111.027	1407519.611	128.7718	1.7	CORONA
736	333.5132	86.0914	56.6173	1076098.059	1407549.222	131.922	1.7	NIVEL
737	306.0528	87.0625	75.2212	1076062.244	1407542.744	131.921	1.7	NIVEL
738	322.4347	89.4216	25.4487	1076107.554	1407518.767	128.2553	1.7	NIVEL
739	316.492	90.063	27.1047	1076104.418	1407518.28	128.0728	1.7	NIVEL
740	315.0809	90.1908	27.4771	1076103.582	1407517.989	127.9711	1.7	NIVEL
741	309.5053	90.2707	29.2115	1076100.539	1407517.229	127.8936	1.7	NIVEL
742	306.0632	90.5326	31.1685	1076097.788	1407516.876	127.6396	1.7	NIVEL
743	303.5846	91.0517	32.1251	1076096.332	1407516.461	127.514	1.7	LAMINA
744	302.5609	90.1402	32.1464	1076095.987	1407515.987	127.9928	1.7	D127 - D128
745	324.0928	90.0448	38.6894	1076100.304	1407529.875	128.0701	1.7	D128 - D127
746	144.0929	89.1232	38.6948	1076122.977	1407498.523	128.3744	1.7	CORONA
747	66.3507	79.5952	21.2916	1076119.54	1407538.218	131.5382	1.7	NIVEL
748	50.521	83.5423	20.8901	1076116.409	1407542.993	130.0577	1.7	BORDE RIO
749	42.3657	88.1934	19.3019	1076113.359	1407544.081	128.404	1.7	NIVEL
750	28.2352	89.032	18.8655	1076109.265	1407546.473	128.1511	1.7	LAMINA
751	15.0732	89.4516	18.5689	1076105.139	1407547.803	127.9197	1.7	NIVEL
752	8.4959	90.3545	19.0496	1076103.218	1407548.699	127.642	1.7	NIVEL
753	6.2506	90.2034	19.3288	1076102.454	1407549.083	127.7245	1.7	NIVEL
754	5.324	89.4413	19.4796	1076102.175	1407549.264	127.9295	1.7	CORONA
755	356.5859	79.1448	22.0499	1076099.151	1407551.507	131.9542	1.7	NIVEL
756	305.563	85.1927	50.4113	1076059.609	1407559.343	131.9497	1.7	LAMINA
757	30.4758	89.4744	27.3613	1076114.3	1407553.385	127.9378	1.7	NIVEL
758	30.2357	90.2313	28.282	1076114.601	1407554.276	127.6491	1.7	NIVEL
759	28.2149	90.4214	28.9293	1076114.032	1407555.337	127.4848	1.7	NIVEL
760	26.5209	91.0657	29.4016	1076113.575	1407556.105	127.2677	1.7	NIVEL
761	24.2648	90.5018	30.2106	1076112.789	1407557.381	127.3981	1.7	NIVEL



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
762	21.5904	90.4211	31.4534	1076112.061	1407559.045	127.4542	1.7	LAMINA
763	20.4959	89.5532	32.4168	1076111.815	1407560.179	127.8823	1.7	CORONA
764	19.4042	84.0415	36.7854	1076112.605	1407564.334	131.64	1.7	NIVEL
765	347.5525	86.4358	66.6228	1076086.351	1407594.909	131.6374	1.7	NIVEL
766	341.0817	87.2957	80.1725	1076074.367	1407605.655	131.3389	1.7	CORONA
767	39.2833	85.4354	51.5391	1076132.956	1407569.566	131.6763	1.7	NIVEL
768	32.1713	86.4511	67.8342	1076136.447	1407587.149	131.6826	1.7	NIVEL
769	355.5056	87.3324	84.2582	1076094.162	1407613.832	131.4328	1.7	D128 - D129
770	49.2005	87.1707	35.1337	1076126.911	1407552.759	129.5042	1.7	D129 - D128
771	229.2005	91.551	35.1172	1076100.301	1407529.873	128.08	1.7	LAMINA
772	34.4443	93.5054	19.9708	1076138.258	1407569.138	127.9159	1.7	NIVEL
773	35.3836	95.0801	19.6934	1076138.332	1407568.705	127.4941	1.7	NIVEL
774	38.3741	95.5619	18.9144	1076138.647	1407567.462	127.2993	1.7	NIVEL
775	47.1129	95.3723	17.1997	1076139.462	1407564.398	127.5709	1.7	LAMINA
776	50.3929	94.3826	16.8231	1076139.873	1407563.396	127.8952	1.7	BORDE RIO
777	68.5727	92.0516	15.3177	1076141.195	1407558.263	128.6982	1.7	LAMINA
778	72.373	92.5447	26.8676	1076152.515	1407560.786	127.8909	1.7	CORONA
779	43.5237	88.3406	47.409	1076159.741	1407586.94	132.1409	0	NIVEL
780	3.1114	89.0034	68.7704	1076130.695	1407621.414	131.8454	0.3	LAMINA
781	50.0344	91.2733	46.5856	1076162.601	1407582.675	128.07	1.7	NIVEL
782	51.3144	91.3914	46.3787	1076163.19	1407581.62	127.9177	1.7	NIVEL
783	53.152	91.5706	46.8938	1076164.45	1407580.818	127.6592	1.7	NIVEL
784	55.3216	92.0657	46.8903	1076165.531	1407579.296	127.5252	1.7	NIVEL
785	58.0152	92.0757	47.399	1076167.079	1407577.86	127.4927	1.7	NIVEL
786	59.5702	92.1302	47.9287	1076168.353	1407576.764	127.402	1.7	NIVEL
787	60.5724	92.2	48.147	1076168.955	1407576.137	127.2962	1.7	LAMINA
788	61.3448	91.3558	48.1423	1076169.222	1407575.686	127.9125	1.7	CORONA
789	46.4003	89.3134	76.1318	1076182.256	1407605.032	131.5862	0	NIVEL
790	16.4138	89.2839	90.9232	1076152.979	1407639.861	131.7859	0	NIVEL
791	29.4911	89.46	80.9484	1076167.124	1407623.011	131.2864	0	LAMINA
792	48.4732	91.0015	75.3769	1076183.582	1407602.441	127.9357	1.7	NIVEL
793	50.5217	91.1347	75.4263	1076185.381	1407600.38	127.6378	1.7	NIVEL
794	52.4252	91.2226	77.7195	1076188.702	1407599.862	127.3931	1.7	NIVEL
795	53.3216	91.3221	78.2819	1076189.82	1407599.3	127.154	1.7	NIVEL
796	54.303	91.3932	78.6821	1076190.921	1407598.457	126.9788	1.7	NIVEL
797	55.0419	90.5949	78.649	1076191.358	1407597.818	127.888	1.7	D129 - D130
798	50.5122	88.583	134.6858	1076231.303	1407637.827	131.6668	1.7	D130 - D129
799	230.5123	90.4747	134.6774	1076126.911	1407552.759	129.5329	1.7	LAMINA
800	273.2839	90.4528	17.1364	1076214.199	1407638.857	127.8772	5	NIVEL
801	273.3232	91.4904	18.2317	1076213.115	1407638.943	127.5255	5	NIVEL
802	273.5406	91.4911	19.6728	1076211.685	1407639.154	127.4792	5	NIVEL
803	274.2655	90.5859	21.1888	1076210.181	1407639.458	127.7403	5	LAMINA
804	275.2814	90.2707	21.9416	1076209.461	1407639.907	127.9308	5	NIVEL
805	274.3503	89.2459	25.7684	1076205.618	1407639.872	128.3662	5	NIVEL
806	273.2909	89.0747	29.2386	1076202.121	1407639.588	128.5479	5	NIVEL
807	270.3813	89.5057	36.3003	1076195.005	1407638.21	131.4994	1.7	CORONA
808	307.3626	90.2945	45.9633	1076194.876	1407665.854	131.0061	1.7	BORDE RIO
809	317.0952	92.565	43.3362	1076201.86	1407669.547	129.1758	1.7	NIVEL
810	322.0324	92.4103	41.0004	1076206.102	1407670.111	128.3839	2.8	NIVEL
811	297.4823	90.1712	50.9753	1076186.201	1407661.58	131.1489	1.7	NIVEL
812	289.0914	90.1511	65.2056	1076169.696	1407659.186	131.1161	1.7	NIVEL
813	285.2035	90.0833	115.2041	1076120.188	1407668.247	131.1181	1.7	LAMINA
814	326.391	90.1633	38.1657	1076210.306	1407669.697	127.9201	5	NIVEL
815	328.3048	91.0423	37.6882	1076211.604	1407669.949	127.3981	5	NIVEL
816	331.0244	91.392	37.0306	1076213.365	1407670.205	127.034	5	NIVEL
817	332.3732	91.3538	36.2125	1076214.641	1407669.963	127.0967	5	NIVEL
818	335.2141	91.0852	35.3179	1076216.564	1407669.915	127.3964	5	LAMINA
819	335.2345	90.2036	34.9897	1076216.718	1407669.631	127.8942	5	BORDE RIO
820	337.4706	88.5205	33.7568	1076218.525	1407669.065	128.7708	5	NIVEL
821	270.1143	90.1148	69.6496	1076161.654	1407638.025	131.1649	1.7	NIVEL
822	270.1142	90.1238	119.6454	1076111.659	1407638.167	130.9651	1.7	NIVEL
823	327.1144	89.285	68.3868	1076194.222	1407695.285	128.7243	5	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
824	326.2737	90.1211	67.2418	1076194.12	1407693.852	127.8657	5	NIVEL
825	325.332	90.3421	66.7027	1076193.547	1407692.811	127.4377	5	NIVEL
826	323.4459	90.3013	66.7533	1076191.802	1407691.635	127.5175	5	NIVEL
827	321.2835	90.1818	66.8302	1076189.65	1407690.088	127.7483	5	LAMINA
828	320.4521	90.0926	66.7103	1076189.072	1407689.467	127.921	5	NIVEL
829	316.2615	89.5604	66.195	1076185.658	1407685.768	128.1799	5	NIVEL
830	313.4546	88.2904	65.3325	1076184.111	1407682.973	129.8321	5	CORONA
831	309.1057	87.0115	62.5032	1076182.898	1407677.235	131.3525	5	NIVEL
832	292.5706	90.2209	79.2925	1076158.272	1407668.705	130.8933	1.7	NIVEL
833	286.3107	90.0818	129.327	1076107.294	1407674.528	131.0927	1.7	CORONA
834	321.5945	90.5001	107.5046	1076165.07	1407722.491	131.5408	0	NIVEL
835	326.1507	90.4329	107.7988	1076171.371	1407727.42	131.7409	0	NIVEL
836	320.0558	91.3704	105.0391	1076163.906	1407718.339	128.4391	1.7	LAMINA
837	319.2439	92.0532	103.0949	1076164.227	1407716.027	127.6409	1.7	NIVEL
838	319.0451	92.1947	102.3292	1076164.29	1407715.049	127.2449	1.7	NIVEL
839	318.3715	92.1548	100.9198	1076164.601	1407713.456	127.4192	1.7	NIVEL
840	318.2743	92.154	98.5899	1076165.936	1407711.529	127.5149	1.7	LAMINA
841	317.4314	92.1117	98.3527	1076165.144	1407710.505	127.6495	1.7	NIVEL
842	314.2028	92.4014	97.5913	1076161.544	1407705.923	128.3576	0.2	BORDE RIO
843	312.0531	89.3913	92.3062	1076162.772	1407699.662	128.6623	5	NIVEL
844	310.334	88.4313	88.639	1076163.947	1407695.413	130.0839	5	CORONA
845	306.4556	87.5557	87.9093	1076160.896	1407690.37	131.2757	5	D130 -D131
846	292.3557	90.08	94.2397	1076144.279	1407673.992	131.1852	1.7	D130 - D59
847	198.0006	89.3832	32.2155	1076221.365	1407607.184	131.6051	1.7	D131 - D130
888	112.3557	89.3215	94.2484	1076231.309	1407637.825	131.6895	1.7	CORONA
889	355.2632	90.3232	18.4491	1076142.803	1407692.381	130.7537	1.7	BORDE RIO
890	353.1518	89.4455	24.85	1076141.347	1407698.668	128.9373	3.8	NIVEL
891	355.5303	91.1138	32.7847	1076141.908	1407706.684	128.1451	3.8	LAMINA
892	0.2427	91.3815	39.7663	1076144.54	1407713.741	127.6919	3.8	NIVEL
893	0.391	91.4142	41.4179	1076144.728	1407715.389	127.6031	3.8	NIVEL
894	1.1158	91.4605	43.0377	1076145.156	1407717	127.5005	3.8	LAMINA
895	0.402	91.2949	43.5681	1076144.766	1407717.543	127.6902	3.8	NIVEL
896	0.3727	93.0917	45.4806	1076144.749	1407719.401	128.4255	1.7	NIVEL
897	0.2636	91.0652	46.8021	1076144.615	1407720.784	131.7182	0	NIVEL
898	0.2638	90.5036	61.6614	1076144.722	1407735.645	131.521	0.2	LAMINA
899	328.2131	96.1226	31.3541	1076127.912	1407700.52	127.5381	1.7	NIVEL
900	328.2546	96.1226	33.1683	1076127	1407702.076	127.342	1.7	NIVEL
901	327.0958	95.4352	35.5265	1076125.096	1407703.683	127.3806	1.7	LAMINA
902	327.2618	95.0302	38.7618	1076123.48	1407706.522	127.5159	1.7	NIVEL
903	326.1807	93.2136	42.3507	1076120.803	1407709.153	128.4461	1.7	CORONA
904	324.1156	92.2736	42.1637	1076119.618	1407708.144	130.8185	0	NIVEL
905	324.1157	91.0547	84.1389	1076095.031	1407742.193	131.0189	0	BORDE RIO
906	301.4804	104.5958	9.4329	1076136.533	1407678.789	128.4869	1.7	NIVEL
907	302.5219	102.1116	13.7054	1076133.024	1407681.257	128.0348	1.7	LAMINA
908	296.3413	101.4909	16.8903	1076129.489	1407681.379	127.4687	1.7	NIVEL
909	292.0117	103.0415	18.3415	1076127.713	1407680.682	126.7801	1.7	NIVEL
910	291.5	102.2019	20.925	1076125.3	1407681.584	126.4568	1.7	NIVEL
911	292.3446	101.5708	21.8326	1076124.553	1407682.182	126.4068	1.7	NIVEL
912	292.2122	101.1344	23.4408	1076123.011	1407682.725	126.3636	1.7	NIVEL
913	291.0118	97.4308	25.7879	1076120.421	1407683.145	127.4646	1.7	LAMINA
914	291.0117	97.4308	25.7876	1076120.421	1407683.145	127.4647	1.7	CORONA
915	290.4805	93.1713	26.4161	1076119.621	1407683.344	131.1136	0	NIVEL
916	290.4804	91.0046	74.3843	1076074.74	1407700.364	131.3139	0	CORONA
917	260.4658	89.4703	36.9283	1076107.832	1407668.056	131.0673	1.7	NIVEL
918	283.5333	89.3023	51.0276	1076094.739	1407686.215	131.368	1.7	BORDE RIO
919	251.142	93.2752	34.1662	1076111.994	1407663.005	128.8637	1.7	LAMINA
920	238.4929	96.0132	32.6589	1076116.501	1407657.164	127.5	1.7	D131 - D132
921	248.0413	93.5906	45.935	1076101.781	1407656.854	127.7361	1.7	D132 - D131
922	68.0412	85.2006	45.9799	1076144.283	1407673.994	131.1807	1.7	CORONA
923	91.4447	82.5429	30.4185	1076131.953	1407655.951	131.1966	1.7	NIVEL
924	113.5414	80.2114	23.8124	1076123.248	1407647.354	131.4312	1.7	NIVEL
925	173.5326	71.2642	12.4472	1076103.043	1407645.122	131.402	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
926	246.5319	79.0004	19.9887	1076083.738	1407649.142	131.2548	1.7	NIVEL
927	230.5143	86.5908	72.5396	1076045.621	1407611.099	131.2561	1.7	CORONA
928	262.3514	83.3314	33.8976	1076068.382	1407652.49	131.2469	1.7	NIVEL
929	231.551	84.27	39.3846	1076070.939	1407632.659	131.0503	1.9	CORONA
930	275.3746	85.0808	39.3073	1076062.802	1407660.674	130.7744	1.7	NIVEL
931	90.1547	91.3053	15.9059	1076117.681	1407656.79	127.0206	1.7	NIVEL
932	98.0133	93.0412	16.879	1076118.472	1407654.51	126.5372	1.7	NIVEL
933	103.4518	93.1447	17.503	1076118.757	1407652.709	126.4499	1.7	NIVEL
934	103.4518	93.1447	17.503	1076118.757	1407652.709	126.4499	1.7	NIVEL
935	107.1035	93.21	17.8234	1076118.783	1407651.609	126.3996	1.7	LAMINA
936	111.0609	89.5121	18.2543	1076118.815	1407650.292	127.4871	1.7	LAMINA
937	265.4336	89.4839	25.0498	1076076.802	1407654.973	127.5238	1.7	NIVEL
938	266.4508	90.3848	24.7167	1076077.106	1407655.44	127.1622	1.7	NIVEL
939	269.2808	91.202	23.5035	1076078.285	1407656.623	126.892	1.7	LAMINA
940	258.0708	88.4522	2.282	1076099.549	1407656.383	127.4906	1.7	NIVEL
941	265.5143	92.5714	20.282	1076081.579	1407655.381	126.3959	1.7	NIVEL
942	266.4842	93.1541	18.533	1076083.307	1407655.815	126.3867	1.7	NIVEL
943	269.0534	92.4517	17.7791	1076084.025	1407656.563	126.5866	1.7	NIVEL
944	271.5704	91.442	16.8768	1076084.921	1407657.419	126.929	1.7	LAMINA
945	273.402	89.562	16.217	1076085.597	1407657.884	127.4584	1.7	BORDE RIO
946	289.5128	89.2301	16.0424	1076086.69	1407662.295	127.6137	1.7	CORONA
947	301.4409	84.0307	16.1362	1076088.126	1407665.288	129.1132	1.7	LAMINA
948	292.2802	89.555	38.363	1076066.321	1407671.495	127.4878	1.7	NIVEL
949	290.4923	90.1442	38.1479	1076066.117	1407670.395	127.2781	1.7	NIVEL
950	288.1235	90.3505	37.8899	1076065.784	1407668.674	127.0546	1.7	NIVEL
951	285.0739	90.3449	38.5671	1076064.546	1407666.897	127.0506	1.7	NIVEL
952	281.1701	90.3337	39.4063	1076063.134	1407664.542	127.0558	1.7	LAMINA
953	280.42	89.5524	39.4998	1076062.964	1407664.166	127.4941	1.7	D132 - D133
954	277.2427	89.4509	57.8194	1076044.44	1407664.276	127.7911	1.6	D133 - D132
955	97.2426	89.4729	57.8216	1076101.783	1407656.854	127.7419	1.7	BORDE RIO
956	96.0425	89.352	55.1985	1076099.331	1407658.467	127.9275	1.7	BORDE RIO
957	89.4642	89.4537	38.306	1076082.746	1407664.446	127.6914	1.7	CORONA
958	152.2701	67.5309	7.9853	1076047.866	1407657.719	130.5372	1.7	CORONA
959	61.0934	83.2	25.217	1076066.373	1407676.37	130.4586	1.7	NIVEL
960	47.0838	81.3028	26.8862	1076063.923	1407682.373	131.5016	1.7	NIVEL
961	47.0837	85.2247	51.7416	1076082.227	1407699.376	131.6991	1.7	NIVEL
962	44.1104	86.5305	76.6865	1076097.779	1407719.217	131.699	1.7	BORDE RIO
963	157.1052	80.4346	2.6578	1076045.459	1407661.859	127.9593	1.7	NIVEL
964	19.1839	91.585	2.6131	1076045.303	1407666.741	127.4408	1.7	NIVEL
965	6.4637	98.1049	4.1555	1076044.923	1407668.361	126.9398	1.7	NIVEL
966	357.4549	97.3329	5.784	1076044.213	1407670.005	126.7703	1.7	LAMINA
967	344.0946	93.564	7.9382	1076042.275	1407671.894	126.9851	1.7	LAMINA
968	341.3006	90.2341	9.3493	1076041.469	1407673.14	127.4667	1.7	CORONA
969	345.2738	71.4111	12.3671	1076041.487	1407675.639	131.4171	1.7	NIVEL
970	345.2739	83.4825	36.9605	1076035.196	1407699.839	131.5185	1.7	NIVEL
971	333.2742	86.2626	59.2123	1076018.006	1407717.132	131.2075	1.7	CORONA
972	289.2721	75.0733	14.8037	1076030.947	1407669.034	131.3311	1.7	NIVEL
973	305.1255	85.0202	42.0281	1076010.219	1407688.401	131.1694	1.7	CORONA
974	207.1224	82.3728	23.1116	1076033.973	1407643.886	131.198	1	NIVEL
975	174.2014	84.1351	27.5391	1076047.159	1407637.012	130.9994	1	CORONA
976	249.4749	83.4225	34.0768	1076012.66	1407652.561	131.2665	1.7	BORDE RIO
977	222.3236	90.0059	29.5559	1076024.469	1407642.489	127.5227	1.7	LAMINA
978	228.3625	90.0923	31.6383	1076020.717	1407643.343	127.4449	1.7	NIVEL
979	231.4629	90.2149	32.114	1076019.224	1407644.391	127.3274	1.7	NIVEL
980	241.1119	89.0049	37.2134	1076011.849	1407646.326	128.5719	1.3	NIVEL
981	237.0806	90.3522	31.122	1076018.31	1407647.373	127.2109	1.7	NIVEL
982	240.1823	90.5234	29.9057	1076018.473	1407649.449	127.0739	1.7	LAMINA
983	241.1306	90.0707	30.017	1076018.14	1407649.809	127.469	1.7	D133 - D134
984	237.4815	90.011	59.1262	1075994.424	1407632.744	127.5112	1.7	D134 - D133
985	57.4815	89.2616	59.1309	1076044.442	1407664.277	127.8066	1.7	CORONA
986	96.5204	82.4006	29.4984	1076023.473	1407629.262	130.9907	1.7	NIVEL
987	115.4413	78.0956	19.3368	1076011.477	1407624.536	131.1919	1.7	CORONA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
988	153.5541	69.1024	11.0897	1075998.985	1407623.436	131.1691	1.7	NIVEL
989	153.5534	83.1906	35.6143	1076009.989	1407600.981	131.3701	1.7	NIVEL
990	153.5534	86.2651	60.5025	1076020.996	1407578.519	130.9755	1.7	LAMINA
991	108.4654	89.4441	13.7151	1076007.411	1407628.336	127.2873	1.7	NIVEL
992	106.0951	93.5858	13.3367	1076007.205	1407629.048	126.2999	1.7	NIVEL
993	98.244	91.5524	12.6423	1076006.924	1407630.903	126.8019	1.7	NIVEL
994	92.4705	90.2219	11.6455	1076006.056	1407632.185	127.1506	1.7	LAMINA
995	86.0252	89.331	11.8662	1076006.261	1407633.569	127.3188	1.7	BORDE RIO
996	65.3508	86.3144	10.2933	1076003.777	1407636.996	127.8494	1.7	CORONA
997	35.1032	76.2042	16.8748	1076003.863	1407646.153	131.2099	1.7	NIVEL
998	5.2023	83.4319	36.3978	1075997.77	1407668.769	131.2066	1.7	CORONA
999	220.1146	75.3739	15.8183	1075984.541	1407621.034	131.1527	1.7	LAMINA
1000	234.2239	89.4018	13.929	1075983.106	1407624.625	127.306	1.7	NIVEL
1001	236.4035	92.173	13.3819	1075983.255	1407625.392	126.6911	1.7	NIVEL
1002	244.2458	92.1339	12.7923	1075982.898	1407627.218	126.729	1.7	NIVEL
1003	259.1316	90.3253	11.6364	1075982.994	1407630.562	127.1149	1.7	LAMINA
1004	264.3243	89.3732	11.7696	1075982.708	1407631.619	127.3031	1.7	BORDE RIO
1005	281.2606	86.501	12.0823	1075982.598	1407635.129	127.8931	1.7	CORONA
1006	299.3132	79.3017	12.2364	1075983.951	1407638.668	129.4551	1.7	CORONA
1007	257.464	84.4115	42.112	1075953.448	1407623.844	131.1253	1.7	NIVEL
1008	237.1741	86.4259	71.5632	1075934.327	1407594.107	131.3257	1.7	NIVEL
1009	247.2529	86.0602	57.0823	1075941.85	1407610.852	131.1085	1.7	NIVEL
1010	264.2504	88.3317	41.5365	1075953.1	1407628.682	128.2738	1.7	LAMINA
1011	265.5002	89.5017	39.7966	1075954.734	1407629.831	127.3388	1.7	NIVEL
1012	266.2052	90.3125	39.3604	1075955.146	1407630.215	126.8667	1.7	NIVEL
1013	267.2411	91.0524	38.7126	1075955.759	1407630.969	126.4898	1.7	NIVEL
1014	268.2657	91.3841	38.3103	1075956.144	1407631.686	126.1267	1.7	NIVEL
1015	269.2837	91.403	37.5074	1075956.934	1407632.381	126.13	1.7	NIVEL
1016	271.1458	91.4337	35.8234	1075958.625	1407633.505	126.1467	1.7	NIVEL
1017	271.2605	91.2726	35.3813	1075959.065	1407633.61	126.3266	1.7	NIVEL
1018	272.3954	91.1025	35.6627	1075958.806	1407634.382	126.4959	1.7	NIVEL
1019	275.0238	90.2007	34.5102	1075960.046	1407635.759	127.0243	1.7	NIVEL
1020	276.2417	89.5521	33.6632	1075960.969	1407636.48	127.2719	1.7	LAMINA
1021	282.4558	88.4617	32.2218	1075963.002	1407639.845	127.9172	1.7	D134 - D135
1022	303.0816	81.1026	4.4606	1075990.732	1407635.152	127.9106	1.7	BORDE RIO
1023	248.5535	87.5647	3.4977	1075991.163	1407631.486	127.3515	1.7	LAMINA
1024	102.4558	90.1201	32.2106	1075994.42	1407632.745	127.5097	1.7	D135 - D134
1025	96.4714	84.2337	3.2841	1075966.247	1407639.46	127.943	1.7	BORDE RIO
1026	69.0717	67.0047	5.2747	1075967.538	1407641.578	131.3821	0	CORONA
1027	345.0052	89.3709	7.9829	1075960.933	1407647.555	127.6753	1.7	NIVEL
1028	332.5115	91.4308	8.6214	1075959.066	1407647.511	127.3636	1.7	LAMINA
1029	329.071	93.1921	8.9682	1075958.402	1407647.526	127.1025	1.7	NIVEL
1030	317.5859	96.5937	10.9717	1075955.708	1407647.932	126.2863	1.7	NIVEL
1031	314.1633	97.5634	12.0854	1075954.427	1407648.196	125.9522	1.7	NIVEL
1032	313.1759	98.033	12.9574	1075953.66	1407648.638	125.8058	1.7	NIVEL
1033	328.5349	87.1324	38.3112	1075943.216	1407672.599	131.1782	0	CORONA
1034	331.0228	89.4807	38.9222	1075944.137	1407673.89	127.7569	1.7	BORDE RIO
1035	335.2332	90.2556	39.4751	1075946.544	1407675.725	127.3245	1.7	LAMINA
1036	340.4902	90.4333	39.0555	1075950.149	1407676.722	127.1276	1.7	NIVEL
1037	342.3431	90.4931	39.4282	1075951.175	1407677.453	127.0544	1.7	NIVEL
1038	345.0334	91.062	39.2685	1075952.858	1407677.773	126.8647	1.7	NIVEL
1039	347.4706	91.0623	39.2449	1075954.678	1407678.19	126.8645	1.7	NIVEL
1040	349.1038	90.2337	39.3795	1075955.586	1407678.519	127.3519	1.7	LAMINA
1041	294.093	78.3429	18.0679	1075946.839	1407647.084	131.2013	1.7	CORONA
1042	353.5051	87.4525	39.1769	1075958.784	1407678.764	130.8556	0	CORONA
1043	8.1038	87.0708	40.4551	1075968.726	1407679.841	131.3557	0	NIVEL
1044	288.4444	81.2323	24.8531	1075939.728	1407647.729	131.3431	1.7	NIVEL
1045	274.4645	78.5857	34.8831	1075928.879	1407642.678	134.2887	1.7	NIVEL
1046	274.4859	84.0429	66.5626	1075897.025	1407645.367	134.4938	1.7	NIVEL
1047	239.1608	79.1409	39.7035	1075929.485	1407619.894	135.0375	1.7	NIVEL
1048	239.2028	84.1636	77.4199	1075896.758	1407600.526	135.3432	1.7	NIVEL
1049	272.0135	83.1857	19.5598	1075943.587	1407640.521	129.899	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1050	286.2312	91.1832	14.5794	1075949.016	1407643.949	127.2892	1.7	LAMINA
1051	288.4713	95.0632	13.5416	1075950.23	1407644.181	126.4163	1.7	NIVEL
1052	335.0652	89.3627	100.0044	1075963.004	1407639.842	128.3079	1.7	D135 - D136
1052	155.0651	90.0445	100.0059	1075920.869	1407730.538	127.9355	1.7	NIVEL
1053	169.2004	85.1847	34.3841	1075927.23	1407696.864	132.5825	0	D136 - D135
1054	199.361	85.5659	39.7777	1075907.578	1407693.152	132.5825	0	CORONA
1055	161.312	87.2804	34.5207	1075931.818	1407697.835	128.4982	2.8	NIVEL
1056	157.0444	91.0922	37.0614	1075935.319	1407696.418	127.3252	1.7	LAMINA
1057	152.4755	91.2856	34.8908	1075936.83	1407699.525	127.1705	1.7	NIVEL
1058	147.0746	91.585	33.1731	1075938.878	1407702.703	126.9265	1.7	NIVEL
1059	143.2902	92.0912	31.7395	1075939.756	1407705.058	126.8803	1.7	NIVEL
1060	139.3039	91.2535	30.4406	1075940.641	1407707.405	127.3152	1.7	LAMINA
1061	136.1012	86.5513	30.3835	1075941.892	1407708.663	131.4053	0	CORONA
1062	102.4637	87.0648	36.3848	1075956.312	1407722.521	131.6053	0	NIVEL
1063	103.5151	80.2328	13.3498	1075933.65	1407727.391	130.7013	1.3	CORONA
1064	91.1234	94.2953	9.7847	1075930.621	1407730.338	127.3056	1.7	LAMINA
1065	92.5508	98.1936	9.1355	1075929.897	1407730.083	126.7499	1.7	NIVEL
1066	95.3358	103.5713	6.9679	1075927.6	1407729.886	126.3927	1.7	NIVEL
1067	95.3439	103.5709	6.9735	1075927.605	1407729.884	126.3915	1.7	NIVEL
1068	97.3111	114.5436	5.0876	1075925.444	1407729.937	125.93	1.7	NIVEL
1069	124.4545	122.2124	4.3712	1075923.903	1407728.434	125.7335	1.7	NIVEL
1070	152.4237	117.4614	3.9019	1075922.453	1407727.471	126.2549	1.7	NIVEL
1071	162.364	102.4005	3.3687	1075921.853	1407727.402	127.3341	1.7	NIVEL
1072	29.5712	86.5319	20.87	1075931.263	1407748.6	129.2057	1.7	CORONA
1073	25.0544	90.1845	20.548	1075929.573	1407749.151	127.5109	2.15	LAMINA
1074	275.2517	64.1808	10.8892	1075911.1	1407731.46	132.7947	1.7	CORONA
1075	275.2521	85.1204	60.0218	1075861.322	1407736.156	133.0945	1.7	NIVEL
1076	275.2522	80.0337	30.2752	1075891.18	1407733.339	133.2988	1.7	NIVEL
1077	16.1651	90.3827	46.3227	1075933.829	1407775.008	127.5549	1.7	NIVEL
1078	14.0357	90.5112	46.1185	1075932.051	1407775.275	127.3861	1.7	LAMINA
1079	13.343	91.1652	46.0001	1075931.638	1407775.248	127.0445	1.7	NIVEL
1080	348.1532	81.5809	29.4456	1075914.919	1407759.081	131.0867	2.8	NIVEL
1081	298.0357	83.5033	45.8247	1075880.654	1407751.951	131.8882	2.8	NIVEL
1082	9.403	91.2353	45.9287	1075928.56	1407775.804	126.9525	1.7	NIVEL
1083	6.3957	91.0901	46	1075926.181	1407776.221	127.1497	1.7	NIVEL
1084	4.0556	91.0214	46.3869	1075924.158	1407776.801	127.2333	1.7	NIVEL
1085	1.1533	91.2107	46.7177	1075921.869	1407777.232	127.3708	1.3	LAMINA
1086	358.5647	91.0914	46.9475	1075919.979	1407777.468	127.5277	1.3	BORDE RIO
1087	5.1846	91.094	54.6249	1075925.895	1407784.92	127.3662	1.3	LAMINA
1088	7.4111	91.0314	59.9103	1075928.847	1407789.904	127.3712	1.3	LAMINA
1089	10.5228	91.0219	62.8315	1075932.685	1407792.238	127.3342	1.3	LAMINA
1090	11.4149	91.0947	62.5828	1075933.519	1407791.816	127.2029	1.3	NIVEL
1091	12.2149	91.0948	62.6073	1075934.236	1407791.688	127.2021	1.3	NIVEL
1092	12.5052	91.01	62.4422	1075934.717	1407791.415	127.3652	1.3	LAMINA
1093	20.1902	88.5647	62.2531	1075942.447	1407788.92	130.9178	0	CORONA
1094	38.0751	88.5949	65.3869	1075961.207	1407781.987	130.7178	0.2	NIVEL
1095	6.3639	88.3639	112.3328	1075933.734	1407842.098	130.7968	1.7	D136 - D137
1096	186.3639	91.0736	112.3246	1075920.868	1407730.535	128.3238	1.7	D137 - D136
1097	191.2702	93.3208	48.9122	1075924.07	1407794.245	127.5156	1.7	BORDE RIO
1098	191.5817	95.4339	30.7749	1075927.399	1407812.139	127.4605	1.7	BORDE RIO
1099	183.0703	95.1607	30.1547	1075932.118	1407812.115	127.7629	1.7	NIVEL
1100	172.2244	95.0813	37.9252	1075938.765	1407804.662	127.1362	1.7	LAMINA
1101	171.0549	95.1408	38.4657	1075939.684	1407804.258	127.0219	1.7	NIVEL
1102	168.5315	95.2237	39.0584	1075941.251	1407803.945	126.8718	1.7	NIVEL
1103	166.5923	94.5826	39.1887	1075942.545	1407804.064	127.1342	1.7	LAMINA
1104	165.0923	91.2227	40.0766	1075944.02	1407803.376	131.2708	0	CORONA
1105	184.0114	98.052	24.2509	1075932.064	1407818.147	127.1195	1.7	LAMINA
1106	177.0022	96.1551	31.5331	1075935.389	1407810.797	127.0912	1.7	LAMINA
1107	182.1811	102.5013	18.2083	1075933.031	1407824.359	126.4864	1.7	NIVEL
1108	171.0253	103.0653	17.6546	1075936.419	1407825.115	126.526	1.7	NIVEL
1109	165.0847	102.3229	17.7918	1075938.196	1407825.314	126.6684	1.7	NIVEL
1110	145.4109	101.3019	17.345	1075943.323	1407828.065	127.0722	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1111	125.0351	93.4648	19.8442	1075949.948	1407830.732	129.2235	1.7	CORONA
1112	119.2917	92.2255	23.061	1075953.797	1407830.768	129.5734	1.7	CORONA
1113	124.4206	101.2203	16.2703	1075946.853	1407833.025	127.3249	1.7	BORDE RIO
1114	125.1209	102.4043	15.3509	1075945.977	1407833.472	127.1625	1.7	LAMINA
1115	117.4227	106.5511	12.2816	1075944.14	1407836.641	126.9575	1.7	NIVEL
1116	102.3822	105.5246	12.3	1075945.279	1407839.516	127.1664	1.7	LAMINA
1117	108.363	98.52	19.1914	1075951.708	1407836.058	127.5737	1.7	BORDE RIO
1118	87.0326	107.3213	14.4153	1075947.461	1407842.812	126.1882	1.7	NIVEL
1119	81.4536	106.3635	13.6651	1075946.693	1407843.983	126.6256	1.7	NIVEL
1120	73.0641	108.0229	13.7305	1075946.224	1407845.898	126.2794	1.7	NIVEL
1121	64.5505	107.2246	13.9204	1075945.763	1407847.737	126.3738	1.7	NIVEL
1122	58.2537	103.5955	14.0826	1075945.372	1407849.259	127.1253	1.7	LAMINA
1123	58.075	104.0233	14.0795	1075945.33	1407849.317	127.1155	1.7	NIVEL
1124	45.563	95.4655	13.765	1075943.57	1407851.627	130.8451	0	CORONA
1125	340.2841	92.2428	33.0072	1075922.696	1407873.174	130.8451	0	NIVEL
1126	108.2954	97.0509	27.1752	1075959.313	1407833.557	127.1797	1.7	BORDE RIO
1127	101.0927	98.1345	28.2502	1075961.168	1407836.704	126.4882	1.7	NIVEL
1128	100.1028	98.4037	29.7526	1075962.687	1407836.919	126.0432	1.7	NIVEL
1129	99.0658	98.3003	31.6022	1075964.597	1407837.164	125.8603	1.7	NIVEL
1130	98.2511	97.5117	33.5425	1075966.607	1407837.252	125.9479	1.7	NIVEL
1131	97.0502	96.4514	34.9168	1075968.146	1407837.842	126.4256	1.7	NIVEL
1132	95.1521	95.3046	35.5894	1075969.012	1407838.873	127.1129	1.7	LAMINA
1133	93.1824	92.3059	36.384	1075970.024	1407840.022	130.6345	0	CORONA
1134	70.5003	91.3148	52.3409	1075983.147	1407859.304	130.8346	0	NIVEL
1135	104.0253	93.0944	44.259	1075976.61	1407831.396	128.0904	1.7	NIVEL
1136	112.0749	94.2156	44.6854	1075975.017	1407825.337	127.1305	1.7	NIVEL
1137	115.202	91.4103	113.7122	1076036.49	1407793.512	127.1908	1.7	D137 - D138
1138	112.3831	92.5857	61.235	1075990.186	1407818.589	127.3459	1.7	BORDE RIO
1139	107.3345	91.1658	62.8674	1075993.667	1407823.167	130.8246	0	CORONA
1140	89.544	91.0256	65.968	1075999.691	1407842.238	131.0246	0	NIVEL
1141	114.4013	92.3507	70.8263	1075998.047	1407812.602	127.3375	1.7	BORDE RIO
1142	115.1947	93.2648	49.1612	1075978.1	1407821.129	127.5763	1.7	NIVEL
1143	88.5058	90.2453	37.6551	1075971.38	1407842.876	130.6594	1.3	CORONA
1144	70.3337	90.4451	28.7732	1075960.859	1407851.689	130.5565	1.3	CORONA
1145	287.5212	89.2548	12.0784	1075922.237	1407845.798	131.0519	1.3	NIVEL
1146	289.0408	82.0856	17.6027	1075917.25	1407847.786	133.3363	1.3	NIVEL
1147	289.0328	82.0859	17.6012	1075917.25	1407847.782	132.9359	1.7	NIVEL
1148	265.4453	85.1159	28.2572	1075905.655	1407839.995	132.8964	1.7	NIVEL
1149	265.4503	87.1418	53.2096	1075880.735	1407838.13	133.0957	1.7	NIVEL
1150	250.1232	87.3547	57.0219	1075880.139	1407822.778	133.2233	1.4	PARAMENTO
1151	217.5046	89.4053	44.1153	1075906.688	1407807.247	130.9773	1.5	PARAMENTO
1152	245.4935	89.5205	106.5722	1075836.532	1407798.402	130.9778	1.5	PARAMENTO
1153	205.2533	89.0016	23.1026	1075923.828	1407821.231	131.1332	1.5	CORONA
1154	295.202	88.0242	113.7315	1075933.732	1407842.099	130.8267	1.7	D138 - D137
1155	285.4224	89.5819	63.4883	1075975.362	1407810.664	126.977	1.7	LAMINA
1156	285.1853	90.0656	65.1695	1075973.625	1407810.689	126.8147	1.7	NIVEL
1157	284.0602	90.1108	66.8507	1075971.644	1407809.762	126.7295	1.7	NIVEL
1158	283.4449	89.5824	67.6676	1075970.751	1407809.555	126.9775	1.7	LAMINA
1159	284.022	88.4304	71.8134	1075966.829	1407810.889	128.553	1.7	NIVEL
1160	282.1311	87.4641	74.8166	1075963.414	1407809.294	130.0467	1.5	CORONA
1161	267.1333	87.5112	77.4262	1075959.211	1407789.724	130.2464	1.3	NIVEL
1162	283.1042	89.5201	42.2166	1075995.379	1407803.113	127.0439	1.7	LAMINA
1163	282.5314	90.1539	42.1129	1075995.433	1407802.881	126.7541	1.7	NIVEL
1164	280.3954	90.3421	41.9028	1075995.308	1407801.243	126.5272	1.7	NIVEL
1165	277.3452	90.3422	41.7354	1075995.118	1407798.994	126.5288	1.7	NIVEL
1166	285.4959	89.5439	33.011	1076004.726	1407802.501	126.9972	1.7	LAMINA
1167	275.0118	89.5156	42.3828	1075994.267	1407797.198	127.0454	1.7	LAMINA
1168	272.3946	89.311	41.7371	1075994.798	1407795.427	127.2961	1.7	NIVEL
1169	269.1512	87.253	41.6235	1075994.912	1407792.947	130.516	0	CORONA
1170	249.1801	87.5811	52.7809	1075987.157	1407774.839	130.316	0.2	NIVEL
1171	258.305	90.0914	20.5654	1076016.338	1407789.405	126.8906	1.7	LAMINA
1172	295.1118	90.0802	32.5323	1076007.043	1407807.341	126.8698	1.7	BORDE RIO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1173	316.4206	80.3524	13.8425	1076027.119	1407803.446	129.209	1.7	NIVEL
1174	345.2917	82.2312	17.068	1076032.241	1407809.887	130.9071	0	NIVEL
1175	298.1519	88.2001	13.6318	1076024.483	1407799.956	127.3423	1.7	BORDE RIO
1176	48.2635	88.3422	17.1794	1076049.334	1407804.912	127.3737	1.7	NIVEL
1177	60.4037	90.1537	18.3063	1076052.445	1407802.486	126.8627	1.7	LAMINA
1178	62.1648	90.5422	18.4562	1076052.821	1407802.105	126.654	1.7	NIVEL
1179	65.0748	91.4458	19.452	1076054.125	1407801.699	126.352	1.7	NIVEL
1180	70.5226	92.202	20.8669	1076056.184	1407800.355	126.0943	1.7	NIVEL
1181	74.4238	92.0858	23.012	1076058.668	1407799.589	126.0827	1.7	NIVEL
1182	77.1148	90.1831	23.3123	1076059.219	1407798.691	126.8203	1.7	LAMINA
1183	279.2855	88.2018	9.564	1076027.059	1407795.082	127.2231	1.7	NIVEL
1184	254.5907	90.4741	9.4523	1076027.362	1407791.058	126.8147	1.7	LAMINA
1185	245.4822	91.5527	9.7836	1076027.573	1407789.5	126.6173	1.7	NIVEL
1186	238.353	92.0829	11.2709	1076026.88	1407787.637	126.5246	1.7	NIVEL
1187	229.0939	92.1011	11.8777	1076027.514	1407785.745	126.4961	1.7	NIVEL
1188	225.3008	91.5635	13.2428	1076027.054	1407784.23	126.4968	1.7	NIVEL
1189	225.2859	90.1736	14.0859	1076026.451	1407783.631	126.8737	1.7	LAMINA
1190	213.5524	86.2623	14.6215	1076028.352	1407781.398	127.8538	1.7	NIVEL
1191	209.41	80.5843	15.6261	1076028.855	1407780.1	129.396	1.7	CORONA
1192	206.2954	79.4501	20.0578	1076027.693	1407775.843	130.5149	1.7	NIVEL
1193	206.2939	85.4004	49.8656	1076014.333	1407748.998	130.7129	1.7	NIVEL
1194	134.2441	75.362	15.8704	1076047.476	1407782.761	130.8912	1.7	CORONA
1195	134.2119	82.3556	30.6419	1076058.229	1407772.281	130.893	1.7	NIVEL
1196	142.4641	86.1856	57.5011	1076071.226	1407747.838	130.6412	1.7	NIVEL
1197	78.3218	87.3259	27.5999	1076063.511	1407799.007	128.1258	1.7	NIVEL
1198	78.3754	85.585	30.334	1076066.152	1407799.493	130.7721	0	CORONA
1199	78.3755	87.1425	48.3153	1076083.797	1407803.051	130.9722	0	NIVEL
1200	93.3939	87.2909	55.3125	1076091.638	1407790.015	131.0723	0	NIVEL
1201	43.2601	89.37	32.902	1076059.096	1407817.417	127.166	1.7	D138 - D139
1202	223.2603	89.3403	32.8975	1076036.493	1407793.516	127.2044	1.7	D139 - D138
1203	152.5956	92.2355	2.8951	1076060.411	1407814.84	126.8348	1.7	LAMINA
1204	15.5207	91.0755	5.9281	1076060.713	1407823.119	126.8389	1.7	NIVEL
1205	352.1525	90.2641	13.5457	1076057.263	1407830.838	126.8509	1.7	BORDE RIO
1206	288.5618	80.2109	3.2491	1076056.066	1407818.455	127.5005	1.7	BORDE RIO
1207	318.1254	75.0928	13.9382	1076050.113	1407827.458	130.5264	1.7	CORONA
1208	318.0615	84.2437	38.6598	1076033.386	1407846.042	130.7217	1.7	NIVEL
1209	12.1913	93.5742	7.6571	1076060.722	1407824.881	126.427	1.7	NIVEL
1210	23.1723	95.4812	8.5934	1076062.472	1407825.271	126.0871	1.7	NIVEL
1211	32.1927	97.2103	9.8772	1076064.329	1407825.698	125.6922	1.7	NIVEL
1212	42.2406	96.1827	10.573	1076066.178	1407825.181	125.7944	1.7	NIVEL
1213	46.5649	93.0955	11.3216	1076067.352	1407825.139	126.3309	1.7	NIVEL
1214	47.5716	90.3724	11.5047	1076067.635	1407825.126	126.8308	1.7	LAMINA
1215	51.405	87.4219	13.0057	1076069.287	1407825.48	127.4767	1.7	NIVEL
1216	356.3047	82.2733	25.7224	1076057.531	1407842.869	130.3317	1.7	CORONA
1217	336.2959	83.1335	29.4709	1076047.411	1407844.248	130.4321	1.7	NIVEL
1218	56.2757	78.0555	16.1665	1076072.277	1407826.163	130.29	1.7	CORONA
1219	56.2756	85.0258	40.9863	1076093.12	1407839.994	130.4931	1.7	NIVEL
1220	3.2328	87.5629	32.1121	1076060.976	1407849.453	128.1095	1.7	NIVEL
1221	7.0446	90.1403	32.3837	1076063.069	1407849.556	126.8237	1.7	LAMINA
1222	12.1108	90.5841	32.1959	1076065.873	1407848.887	125.3065	2.8	NIVEL
1223	18.3746	90.0846	32.2889	1076069.393	1407848.02	125.7738	2.8	NIVEL
1224	23.2545	90.0525	33.2483	1076072.299	1407847.931	125.8037	2.8	NIVEL
1225	27.4951	90.1227	33.3522	1076074.65	1407846.92	125.7353	2.8	NIVEL
1226	29.3206	88.1917	33.2684	1076075.472	1407846.359	126.8306	2.8	LAMINA
1227	40.3339	81.1626	34.123	1076081.013	1407843.053	131.0329	2.8	CORONA
1228	71.1341	82.1132	39.5789	1076096.215	1407830.056	131.233	2.8	NIVEL
1229	22.0204	90.1856	84.0145	1076090.571	1407895.311	126.4938	1.7	D139 - D140
1230	202.0204	89.2356	84.0122	1076059.098	1407817.422	127.1956	1.7	D140 - D139
1231	215.1059	88.5011	24.7635	1076076.316	1407875.068	126.8167	1.7	BORDE RIO
1232	210.5719	88.435	24.0097	1076078.235	1407874.719	126.8457	1.7	LAMINA
1233	206.5233	89.0104	23.5457	1076079.94	1407874.306	126.7175	1.7	NIVEL
1234	203.4843	89.1829	24.2621	1076080.789	1407873.111	126.6068	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1235	199.504	89.0428	24.8013	1076082.166	1407871.981	126.7145	1.7	NIVEL
1236	197.3054	88.462	24.6886	1076083.156	1407871.769	126.8428	1.7	NIVEL
1237	235.3033	76.4154	18.6202	1076075.641	1407885.042	130.598	1.7	CORONA
1238	250.051	85.2329	53.2791	1076040.65	1407877.195	130.595	1.7	NIVEL
1239	182.2604	88.2739	25.7304	1076089.493	1407869.613	127.0049	1.7	NIVEL
1240	176.4403	87.484	27.4135	1076092.147	1407867.963	127.3609	1.7	BORDE RIO
1241	174.4007	84.3143	26.0456	1076092.994	1407869.498	130.4972	0	CORONA
1242	130.4242	86.032	36.1023	1076117.885	1407871.835	130.4972	0	NIVEL
1243	237.3218	86.0842	11.7819	1076080.656	1407888.996	127.1059	1.7	BORDE RIO
1244	222.2504	85.4544	8.5884	1076084.797	1407888.985	126.9485	1.7	NIVEL
1245	206.0612	88.4021	6.5176	1076087.707	1407889.459	126.4648	1.7	LAMINA
1246	194.0941	90.1427	6.0335	1076089.098	1407889.461	126.2885	1.7	NIVEL
1247	182.2423	93.2929	5.5504	1076090.341	1407889.776	125.9758	1.7	NIVEL
1248	169.2216	94.1509	5.5521	1076091.595	1407889.87	125.9021	1.7	NIVEL
1249	154.3331	91.4544	5.691	1076093.017	1407890.176	126.1388	1.7	NIVEL
1250	150.2034	88.4021	5.7452	1076093.415	1407890.322	126.4469	1.7	LAMINA
1251	121.5245	61.5907	7.3925	1076096.114	1407891.868	129.786	1.7	CORONA
1252	121.5647	83.4519	33.7152	1076119.02	1407877.594	129.9813	1.7	NIVEL
1253	21.3339	76.0835	16.9165	1076096.598	1407910.59	130.3653	1.7	CORONA
1254	81.5745	82.4341	33.6118	1076123.582	1407899.992	130.5684	1.7	NIVEL
1255	326.4231	85.0804	27.261	1076075.648	1407918.008	130.326	0	CORONA
1256	284.0458	86.2458	36.9887	1076054.759	1407904.274	130.126	0.2	NIVEL
1257	335.1553	88.271	27.4889	1076079.059	1407920.263	127.056	1.7	BORDE RIO
1258	340.2237	89.0538	27.969	1076081.164	1407921.648	126.7562	1.7	NIVEL
1259	344.343	89.472	28.5448	1076082.963	1407922.824	126.4191	1.7	NIVEL
1260	346.1305	90.03	28.7841	1076083.698	1407923.263	126.2887	1.7	NIVEL
1261	349.3753	90.1401	29.7724	1076085.196	1407924.594	126.1925	1.7	NIVEL
1262	352.042	90.234	30.6359	1076086.328	1407925.651	126.103	1.7	NIVEL
1263	354.1704	90.2645	31.156	1076087.45	1407926.31	126.0714	1.7	NIVEL
1264	356.0601	89.4631	31.6828	1076088.398	1407926.919	126.4381	1.7	LAMINA
1265	1.2315	82.4154	33.4851	1076091.356	1407928.516	130.5696	1.7	CORONA
1266	32.2625	83.4412	39.0035	1076111.349	1407928.044	130.5691	1.7	NIVEL
1267	336.075	89.1222	60.2543	1076066.16	1407950.393	127.149	1.7	D140 - D141
1268	156.0746	90.2003	60.2582	1076090.575	1407895.304	126.5229	1.7	D141 - D140
1269	186.5155	83.0901	14.6733	1076064.426	1407935.928	128.624	1.7	NIVEL
1270	186.4528	83.4659	16.1883	1076064.275	1407934.411	130.3271	0	CORONA
1271	194.5655	86.4939	34.6175	1076057.263	1407916.993	130.4899	0	NIVEL
1272	184.4919	90.574	13.658	1076065.019	1407936.785	126.6449	1.7	BORDE RIO
1273	178.0349	92.1129	11.3846	1076066.55	1407939.023	126.4387	1.7	LAMINA
1274	172.274	93.4728	9.932	1076067.465	1407940.569	126.2173	1.7	NIVEL
1275	158.4844	95.2346	8.2761	1076069.142	1407942.712	126.0957	1.7	NIVEL
1276	148.5241	97.4913	7.6322	1076070.071	1407943.922	125.8355	1.7	NIVEL
1277	138.5001	93.2001	7.4245	1076071.042	1407944.816	126.4423	1.7	LAMINA
1278	111.3358	77.5338	6.4576	1076072.033	1407948.075	128.2283	1.7	NIVEL
1279	290.4353	88.4106	19.0343	1076048.359	1407957.119	127.3108	1.7	BORDE RIO
1280	278.4923	90.1807	19.1121	1076047.272	1407953.314	126.7733	1.7	NIVEL
1281	275.4723	91.2652	18.41	1076047.848	1407952.239	126.4088	1.7	LAMINA
1282	273.5658	93.4703	18.7449	1076047.499	1407951.671	125.6368	1.7	NIVEL
1283	269.4827	92.5456	19.0352	1076047.149	1407950.318	125.9059	1.7	NIVEL
1284	265.2828	91.2057	19.3849	1076046.841	1407948.853	126.4176	1.7	LAMINA
1285	255.5053	90.4933	18.5689	1076048.159	1407945.843	126.6064	1.7	BORDE RIO
1286	247.5747	84.0739	18.6604	1076048.957	1407943.419	130.4832	0	CORONA
1287	203.4902	87.4351	53.3877	1076044.645	1407901.578	130.688	0	NIVEL
1288	281.2531	89.3009	41.194	1076025.779	1407958.53	127.2318	1.7	BORDE RIO
1289	279.0543	89.5428	41.9313	1076024.752	1407956.998	126.9415	1.7	NIVEL
1290	278.4459	90.3704	42.0394	1076024.608	1407956.764	126.4208	1.7	LAMINA
1291	278.0411	91.0414	42.2081	1076024.373	1407956.294	126.0855	1.7	NIVEL
1292	276.1442	91.033	42.1687	1076024.246	1407954.956	126.0952	1.7	NIVEL
1293	274.1259	91.01	42.0465	1076024.232	1407953.46	126.1281	1.7	NIVEL
1294	272.1436	90.442	41.8841	1076024.31	1407952.009	126.3339	1.7	LAMINA
1295	268.2711	90.225	42.2458	1076023.931	1407949.229	126.5936	1.7	NIVEL
1296	265.0901	90.2643	42.524	1076023.791	1407946.774	126.5437	1.7	BORDE RIO



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1297	261.0003	88.1818	42.313	1076024.389	1407943.754	129.8256	0	CORONA
1298	235.2035	88.0356	51.8835	1076023.523	1407920.882	130.3257	0	NIVEL
1299	306.5105	82.5844	8.3657	1076059.513	1407955.369	127.8966	1.7	BORDE RIO
1300	266.0507	90.1059	59.3594	1076006.941	1407946.307	126.6844	1.7	D141 - D142
1301	86.0506	89.1635	59.3519	1076066.148	1407950.392	127.1662	1.7	D142 - D141
1302	289.2445	85.4904	10.9964	1075996.595	1407949.946	127.2184	1.7	NIVEL
1303	282.3958	87.0107	9.779	1075997.412	1407948.443	126.925	1.7	NIVEL
1304	281.0724	90.0454	9.5273	1075997.592	1407948.14	126.4028	1.7	LAMINA
1305	278.0243	93.0235	9.2103	1075997.834	1407947.589	125.9275	1.7	NIVEL
1306	268.3807	95.3917	8.0368	1075998.946	1407946.112	125.6245	1.7	NIVEL
1307	256.5054	93.4956	7.1825	1075999.964	1407944.672	125.9364	1.7	NIVEL
1308	245.0958	90.0436	6.7566	1076000.811	1407943.466	126.4074	1.7	LAMINA
1309	226.0658	87.5213	8.8694	1076000.557	1407940.159	126.746	1.7	NIVEL
1310	212.564	78.3732	8.9061	1076002.197	1407938.977	128.1729	1.7	CORONA
1311	212.564	78.3732	8.9061	1076002.197	1407938.977	129.8729	0	NIVEL
1312	152.5738	83.3406	17.466	1076014.84	1407930.852	130.0729	0	NIVEL
1313	241.3728	87.3509	33.5874	1075977.425	1407930.342	127.8312	1.7	NIVEL
1314	239.3713	90.0252	33.8587	1075977.741	1407929.167	126.3882	1.7	LAMINA
1315	238.0104	91.0258	33.6716	1075978.395	1407928.459	125.7998	1.7	NIVEL
1316	234.3818	90.5345	33.0672	1075979.989	1407927.157	125.8995	1.7	NIVEL
1317	231.2309	90.5623	32.3495	1075981.679	1407926.107	125.886	1.7	NIVEL
1318	228.3934	91.0603	32.076	1075982.875	1407925.11	125.8001	1.7	NIVEL
1319	228.2709	90.044	32.0038	1075983.001	1407925.067	126.373	1.7	LAMINA
1320	225.15	89.1354	29.2545	1075986.179	1407925.701	126.3587	2.15	NIVEL
1321	220.3147	85.4552	29.096	1075988.098	1407924.242	130.2653	0	CORONA
1322	188.4258	85.4352	34.2412	1076001.786	1407912.552	130.6653	0	NIVEL
1323	233.0551	89.5722	80.4895	1075942.604	1407897.94	126.4785	1.7	D142 - D143
1324	53.055	89.3414	80.489	1076006.939	1407946.306	126.7074	1.7	D143 - D142
1325	30.3723	80.3749	23.8429	1075954.576	1407918.191	129.9852	1.7	CORONA
1326	30.3723	84.2311	41.7229	1075963.735	1407933.684	130.1849	1.7	NIVEL
1327	24.094	83.4352	17.1249	1075949.563	1407913.475	127.9735	1.7	NIVEL
1328	30.5042	82.3111	13.2717	1075949.345	1407909.241	127.8313	1.7	NIVEL
1329	37.163	85.4857	12.1928	1075949.964	1407907.621	126.9931	1.7	BORDE RIO
1330	55.1234	88.4429	10.7877	1075951.458	1407904.099	126.3404	1.7	NIVEL
1331	69.3	91.1701	11.0824	1075952.98	1407901.826	125.8553	1.7	NIVEL
1332	78.3754	92.2304	11.5434	1075953.91	1407900.22	125.6233	1.7	NIVEL
1333	88.5821	92.3728	13.4289	1075956.017	1407898.188	125.4886	1.7	NIVEL
1334	95.3349	91.4207	14.834	1075957.363	1407896.511	125.6629	1.7	NIVEL
1335	99.2631	88.584	15.7084	1075958.099	1407895.372	126.3838	1.7	LAMINA
1336	108.4051	87.5033	14.9299	1075956.741	1407893.17	126.6656	1.7	NIVEL
1337	110.1003	82.3141	17.2907	1075958.701	1407892.039	130.052	0	CORONA
1338	124.1609	85.2058	27.739	1075965.461	1407882.385	129.8527	0.2	NIVEL
1339	358.1604	80.3543	23.2701	1075941.897	1407920.887	129.9061	1.7	CORONA
1340	358.1603	85.1338	48.1423	1075941.127	1407945.893	130.1092	1.7	NIVEL
1341	356.4405	82.2933	16.0092	1075941.692	1407913.786	128.1952	1.7	NIVEL
1342	355.1737	79.1951	10.5821	1075941.745	1407908.304	128.0627	1.7	NIVEL
1343	350.3536	83.425	8.3405	1075941.245	1407906.118	127.0167	1.7	BORDE RIO
1344	306.213	82.1833	5.0596	1075938.565	1407900.91	126.7806	1.7	NIVEL
1345	278.0842	87.4209	6.4739	1075936.201	1407898.853	126.363	1.7	LAMINA
1346	268.1846	92.1527	6.6276	1075935.985	1407897.741	125.8424	1.7	NIVEL
1347	251.1333	94.145	6.9443	1075936.049	1407895.708	125.5892	1.7	NIVEL
1348	236.2639	96.393	7.5199	1075936.382	1407893.808	125.2316	1.7	NIVEL
1349	221.3807	94.5549	8.7718	1075936.802	1407891.405	125.3496	1.7	NIVEL
1350	212.3825	88.3107	10.5572	1075936.917	1407889.05	126.3764	1.7	LAMINA
1351	219.4547	79.4717	14.7392	1075933.333	1407886.784	128.7166	1.7	NIVEL
1352	219.4446	79.4616	14.726	1075933.345	1407886.792	130.4186	0	CORONA
1353	219.5038	83.2645	24.6359	1075926.934	1407879.14	130.6155	0	NIVEL
1354	318.2639	86.3804	19.8217	1075929.47	1407912.74	127.2672	1.7	BORDE RIO
1355	305.4426	89.3649	31.0412	1075917.4	1407916.057	126.313	1.7	LAMINA
1356	302.4837	90.013	31.0145	1075916.528	1407914.731	126.0901	1.7	NIVEL
1357	297.1818	89.5405	31.2879	1075914.795	1407912.277	126.1574	1.7	NIVEL
1358	291.525	90.0941	30.8562	1075913.965	1407909.423	126.0166	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1359	289.4628	89.3133	30.4465	1075913.948	1407908.224	126.3555	1.7	LAMINA
1360	281.0139	86.1123	27.7654	1075915.409	1407903.224	127.9486	1.7	NIVEL
1361	277.0912	84.295	28.2404	1075914.711	1407901.425	130.5117	0	NIVEL
1362	263.2638	86.1813	44.2867	1075898.702	1407892.869	130.6588	0	NIVEL
1363	309.0034	89.4605	55.9766	1075899.089	1407933.149	126.3302	1.7	LAMINA
1364	306.5544	89.5503	55.9617	1075897.851	1407931.538	126.1842	1.7	NIVEL
1365	303.4718	89.4814	56.5387	1075895.598	1407929.356	126.2972	1.7	LAMINA
1366	299.3828	89.492	57.1456	1075892.921	1407926.174	126.281	1.7	NIVEL
1367	296.5357	90.0115	59.513	1075889.515	1407924.835	126.0821	1.7	BORDE RIO
1368	296.4252	87.3133	60.0796	1075888.973	1407924.893	130.3974	0	CORONA
1369	280.2007	87.4437	70.9829	1075872.82	1407910.626	130.5987	0	NIVEL
1370	289.1345	88.022	78.6968	1075868.327	1407923.801	130.4972	0	NIVEL
1371	292.1751	89.0457	49.3888	1075896.904	1407916.651	126.8946	1.7	BORDE RIO
1372	302.3154	89.4216	47.7776	1075902.309	1407923.61	126.3501	1.7	LAMINA
1373	299.203	89.5358	61.7478	1075888.761	1407928.167	126.2121	1.7	LAMINA
1374	307.2724	89.5033	69.8416	1075887.139	1407940.383	126.2957	1.7	D143 - D144
1375	127.2724	89.3931	69.8423	1075942.604	1407897.94	126.4872	1.7	D144 - D143
1376	111.5027	87.2045	6.0346	1075892.736	1407938.144	126.3501	1.7	LAMINA
1377	334.0955	89.1727	3.3409	1075885.682	1407943.389	126.112	1.7	LAMINA
1378	32.4232	82.0144	6.8814	1075890.819	1407946.12	127.025	1.7	BORDE RIO
1379	35.4353	81.56	17.5303	1075897.268	1407954.479	128.5306	1.7	CORONA
1380	44.4631	86.242	42.4528	1075916.964	1407970.477	128.7324	1.7	NIVEL
1381	9.2351	85.1141	16.5264	1075889.819	1407956.632	127.4551	1.7	BORDE RIO
1382	351.4603	90.022	15.3845	1075884.928	1407955.608	126.0603	1.7	LAMINA
1383	347.3229	91.503	15.5969	1075883.768	1407955.603	125.5695	1.7	NIVEL
1384	341.4354	93.4745	16.4687	1075881.979	1407955.985	124.9805	1.7	NIVEL
1385	337.3131	94.392	17.0708	1075880.626	1407956.102	124.6851	1.7	NIVEL
1386	334.5507	94.4642	18.5508	1075879.293	1407957.122	124.4254	1.8	NIVEL
1387	327.3308	93.1554	19.2518	1075876.818	1407956.598	124.9743	1.7	NIVEL
1388	324.1639	89.5707	19.873	1075875.527	1407956.511	126.0874	1.7	LAMINA
1389	320.1438	82.3203	20.0488	1075874.418	1407955.659	130.3757	0	CORONA
1390	284.3523	85.1935	34.4253	1075853.93	1407949.007	130.5758	0	NIVEL
1391	23.3659	86.004	35.3307	1075901.241	1407972.685	130.2286	0	CORONA
1392	20.4337	87.2118	35.0633	1075899.517	1407973.149	129.3888	0	NIVEL
1393	16.5709	87.2117	35.0634	1075897.333	1407973.893	127.6891	1.7	NIVEL
1394	8.2334	89.5524	35.6209	1075892.319	1407975.626	126.1185	1.7	LAMINA
1395	10.3519	89.592	49.2642	1075896.165	1407988.814	126.0805	1.7	LAMINA
1396	5.1308	90.4003	35.8739	1075890.382	1407976.108	125.6528	1.7	NIVEL
1397	6.2358	90.2157	46.8666	1075892.337	1407986.96	125.7716	1.7	NIVEL
1398	1.4349	90.1449	46.5218	1075888.518	1407986.884	125.8704	1.7	NIVEL
1399	358.1046	90.1449	46.4287	1075885.638	1407986.788	125.8707	1.7	NIVEL
1400	356.3516	89.5657	46.2589	1075884.36	1407986.559	126.1119	1.7	LAMINA
1401	354.3044	87.2217	46.185	1075882.701	1407986.306	129.889	0	CORONA
1402	334.5429	87.462	59.6379	1075861.837	1407994.338	130.089	0	NIVEL
1403	341.465	87.4318	56.2981	1075869.521	1407993.807	130.0089	0	NIVEL
1404	6.2921	88.1137	74.0533	1075895.463	1408013.93	130.1054	0	NIVEL
1405	20.5025	88.1525	76.7485	1075914.39	1408012.093	129.9055	0.2	NIVEL
1406	5.5012	89.2922	74.2996	1075894.653	1408014.299	128.2331	0.2	NIVEL
1407	4.0229	89.5658	73.1359	1075892.252	1408013.34	126.1355	1.7	LAMINA
1408	3.041	90.1053	73.0345	1075891.009	1408013.315	125.8397	1.7	NIVEL
1409	1.4133	90.1627	72.3669	1075889.236	1408012.719	125.7247	1.7	NIVEL
1410	0.2327	90.0822	72.0206	1075887.59	1408012.402	125.8957	1.7	NIVEL
1411	359.2102	89.574	71.7393	1075886.286	1408012.118	126.1196	1.7	LAMINA
1412	357.334	89.3938	71.1127	1075884.073	1408011.429	126.4924	1.7	NIVEL
1413	1.5614	89.5345	116.9606	1075891.027	1408057.279	126.2844	1.7	D144 - D145
1414	181.5614	89.5147	116.9577	1075887.139	1407940.387	126.2749	1.75	D145 - D144
1415	202.1254	88.5241	41.2688	1075875.448	1408019.072	126.8025	1.75	BORDE RIO
1416	213.3655	84.4132	38.2669	1075869.95	1408025.536	131.2845	0	CORONA
1417	241.1835	85.0159	43.1951	1075853.289	1408036.599	131.4845	0	LAMINA
1418	200.2246	89.4929	33.7743	1075879.283	1408025.613	126.1478	1.7	LAMINA
1419	208.5232	89.5323	35.1733	1075874.059	1408026.469	126.1122	1.7	LAMINA
1420	199.2254	90.0748	31.6986	1075880.524	1408027.371	125.9725	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1421	198.0807	91.1218	28.8503	1075882.064	1408029.863	125.4377	1.7	NIVEL
1422	193.5951	88.2036	27.531	1075884.385	1408030.573	125.7403	2.8	NIVEL
1423	194.5505	89.4939	26.2997	1075884.27	1408031.862	126.1236	1.7	LAMINA
1424	180.4259	88.2808	20.3608	1075890.784	1408036.927	126.5885	1.7	BORDE RIO
1425	179.5412	83.4502	20.2026	1075891.072	1408037.197	129.9436	0	CORONA
1426	144.2643	86.21	34.5466	1075911.09	1408029.242	129.7437	0.2	NIVEL
1427	189.0757	87.1547	22.0607	1075887.542	1408035.521	127.0978	1.7	NIVEL
1428	197.1456	89.5632	21.34	1075884.71	1408036.895	126.066	1.7	LAMINA
1429	153.0445	79.3628	10.6738	1075895.785	1408047.921	129.6698	0	CORONA
1430	140.5537	86.0804	28.5674	1075909.005	1408035.162	129.6704	0	CORONA
1431	152.3038	89.1921	6.596	1075894.074	1408051.43	126.1224	1.7	LAMINA
1432	145.5434	94.1528	4.7616	1075893.69	1408053.348	125.6909	1.7	NIVEL
1433	186.3351	92.0428	2.8003	1075890.708	1408054.499	125.943	1.7	NIVEL
1434	247.3756	93.3925	4.0411	1075887.298	1408055.742	125.7866	1.7	NIVEL
1435	269.0457	96.4558	5.1818	1075885.882	1408057.194	125.4339	1.7	NIVEL
1436	284.1303	94.1817	6.6773	1075884.571	1408058.911	125.5432	1.7	NIVEL
1437	285.2414	89.1759	6.9724	1075884.304	1408059.127	126.1296	1.7	NIVEL
1438	315.3552	75.4743	9.9045	1075884.304	1408064.135	130.1748	0	CORONA
1439	315.3125	85.3731	34.6781	1075866.787	1408081.938	130.3897	0	NIVEL
1440	88.5139	79.4322	11.4761	1075902.316	1408057.51	129.7919	0	CORONA
1441	135.5308	86.1413	34.2428	1075914.825	1408032.761	129.9919	0	NIVEL
1442	74.1255	89.3007	11.4072	1075902.001	1408060.388	126.1436	1.7	NIVEL
1443	68.5108	90.3348	11.3293	1075901.59	1408061.372	125.933	1.7	NIVEL
1444	44.2333	90.3549	14.2598	1075900.996	1408067.474	125.8959	1.7	NIVEL
1445	27.4312	90.2806	17.3518	1075899.089	1408072.644	125.9026	1.7	NIVEL
1446	23.5912	89.4203	18.2853	1075898.45	1408073.989	126.1399	1.7	LAMINA
1447	18.0645	86.5152	19.6878	1075897.127	1408075.967	127.1214	1.7	NIVEL
1448	11.4836	78.5417	20.5443	1075895.141	1408077.015	129.998	1.7	CORONA
1449	13.2315	81.3213	26.7228	1075897.132	1408082.996	129.9773	1.7	CULATA
1450	357.4929	81.1818	26.8892	1075890.003	1408083.84	130.1094	1.7	CULATA
1451	334.3543	85.2439	50.8383	1075869.261	1408103.042	130.3121	1.5	NIVEL
1452	330.1521	87.1018	86.4868	1075848.128	1408132.256	130.5126	1.5	NIVEL
1453	26.1524	83.1059	32.3097	1075905.203	1408086.059	129.8795	1.7	CORONA
1454	64.5832	90.1045	18.7079	1075907.974	1408065.202	125.9859	1.7	LAMINA
1455	71.0719	90.083	31.198	1075920.541	1408067.39	125.9673	1.7	NIVEL
1456	64.2738	90.0559	44.2417	1075930.935	1408076.376	125.9675	1.7	NIVEL
1457	52.5938	90.0705	50.8315	1075931.602	1408087.898	125.9398	1.7	NIVEL
1458	47.0952	90.0644	65.7157	1075939.191	1408101.987	125.9161	1.7	NIVEL
1459	41.5039	89.4916	73.1903	1075939.821	1408111.831	126.2734	1.7	BORDE RIO
1460	35.3908	90.0038	47.8281	1075918.882	1408096.159	126.0358	1.7	NIVEL
1461	33.5028	90.105	37.9135	1075912.122	1408088.782	125.925	1.7	BORDE RIO
1462	39.4045	89.1628	36.2731	1075914.169	1408085.207	126.5038	1.7	NIVEL
1463	44.5759	88.2953	35.9644	1075916.419	1408082.73	126.9871	1.7	NIVEL
1464	52.28	89.0545	35.0989	1075918.844	1408078.676	126.5984	1.7	NIVEL
1465	31.464	85.0724	45.8239	1075915.049	1408096.107	129.9401	1.7	NIVEL
1466	344.0456	86.3225	67.8237	1075872.422	1408122.373	130.1375	1.7	NIVEL
1467	33.42	86.513	66.7992	1075928.003	1408112.791	129.7057	1.7	CORONA
1468	41.3517	87.1945	74.7464	1075940.555	1408113.152	129.5276	1.7	CORONA
1469	40.5152	87.1716	74.9381	1075939.969	1408113.916	129.5907	1.7	D145 - D64 B
1470	63.1511	87.0935	54.795	1075939.885	1408081.937	128.7597	1.7	CORONA
1471	87.4831	87.1335	60.2283	1075951.139	1408059.614	128.9592	1.7	NIVEL
1472	105.4105	87.4546	74.2298	1075962.449	1408037.267	128.9425	1.7	NIVEL
1473	57.1511	88.2927	66.3104	1075946.758	1408093.168	127.7912	1.7	NIVEL
1474	85.0525	88.3955	74.9737	1075965.701	1408063.737	127.5912	1.9	NIVEL
1475	54.171	89.5858	67.3281	1075945.671	1408096.612	126.0649	1.7	BORDE RIO
1476	51.5721	90.0942	68.1809	1075944.697	1408099.327	125.8523	1.7	LAMINA
1477	51.0033	90.24	69.169	1075944.762	1408100.83	125.5618	1.7	NIVEL
1478	49.3517	90.2356	70.04	1075944.328	1408102.714	125.5571	1.7	NIVEL
1479	48.3727	90.0955	70.7432	1075944.085	1408104.07	125.8405	1.7	LAMINA
1480	68.0023	90.1018	46.3493	1075933.993	1408074.661	125.9057	1.7	LAMINA
1481	67.2919	90.2922	45.3573	1075932.917	1408074.668	125.6572	1.7	NIVEL
1482	66.4135	90.3155	43.1924	1075930.683	1408074.39	125.6434	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1483	66.0915	90.0733	41.7536	1075929.206	1408074.181	125.9529	1.7	LAMINA
1484	65.0015	89.1653	36.9749	1075924.527	1408072.921	126.5082	1.7	NIVEL
1485	220.5151	92.1827	74.9196	1075891.024	1408057.276	126.2896	1.7	D64 B - D145
1486	28.2338	123.5543	6.0433	1075942.351	1408118.329	125.9326	1.7	LAMINA
1487	31.0034	121.045	7.0832	1075943.092	1408119.117	125.6491	1.7	NIVEL
1488	30.1608	116.4812	7.9861	1075943.559	1408120.075	125.7045	1.7	NIVEL
1489	43.4547	114.3332	8.2271	1075945.142	1408119.323	125.8863	1.7	LAMINA
1490	35.244	96.4823	10.8751	1075946.221	1408122.721	128.0169	1.7	CORONA
1491	6.4849	89.5655	22.1576	1075942.586	1408135.919	129.3256	1.7	CORONA
1492	1.1522	88.1225	36.3061	1075940.744	1408150.196	129.1417	3	CORONA
1493	30.5414	89.2816	36.0134	1075958.448	1408144.826	129.6383	1.7	NIVEL
1494	30.5416	89.3939	55.9959	1075968.701	1408161.978	129.6375	1.7	NIVEL
1495	41.4346	90.022	63.6894	1075982.335	1408161.471	129.2627	1.7	NIVEL
1496	57.2345	89.2914	58.3671	1075989.119	1408145.393	129.6283	1.9	CORONA
1497	67.0727	89.1804	59.2196	1075994.514	1408136.966	129.8283	1.9	CORONA
1498	58.3441	94.2252	58.6174	1075989.827	1408144.415	124.6282	1.9	NIVEL
1499	65.0943	84.2731	59.2596	1075993.482	1408138.723	134.8284	1.9	NIVEL
1500	51.2048	89.1608	40.72	1075971.752	1408139.366	129.6253	1.9	CORONA
1501	65.0444	89.01	41.9119	1075977.963	1408131.596	129.8251	1.9	CORONA
1502	56.5847	112.4944	10.3172	1075947.939	1408119.103	125.3028	1.7	NIVEL
1503	66.5355	110.301	11.3861	1075949.777	1408118.106	125.3177	1.7	NIVEL
1504	75.034	105.5215	12.363	1075951.457	1408116.988	125.9248	1.7	LAMINA
1505	83.355	100.2125	14.096	1075953.748	1408115.47	126.7715	1.7	NIVEL
1506	93.3914	90.205	16.0582	1075955.995	1408112.902	129.2084	1.7	NIVEL
1507	48.403	92.5819	20.0292	1075954.983	1408127.133	128.2672	1.7	CORONA
1508	74.2934	89.1848	23.9916	1075963.082	1408120.343	129.5933	1.7	CORONA
1509	59.5516	96.1121	31.1835	1075966.787	1408129.469	125.9438	1.7	NIVEL
1510	55.1553	96.2736	30.5408	1075964.898	1408131.222	125.8696	1.7	NIVEL
1511	69.5459	89.522	29.8707	1075968.018	1408124.189	129.3724	1.7	CORONA
1512	91.3128	89.373	40.734	1075980.689	1408112.856	129.5725	1.7	NIVEL
1513	96.2334	88.5725	24.7267	1075964.54	1408111.177	129.7558	1.7	CORONA
1514	111.5622	89.1754	36.9126	1075974.214	1408100.145	129.7579	1.7	CORONA
1515	100.3458	98.5031	22.1295	1075961.466	1408109.912	125.9042	1.7	LAMINA
1516	102.3616	100.3026	22.4629	1075961.526	1408109.109	125.2094	1.7	NIVEL
1517	108.034	100.5218	22.5023	1075960.983	1408107.077	125.0616	1.7	NIVEL
1518	113.4119	99.5239	22.7576	1075960.506	1408104.92	125.4018	1.7	NIVEL
1519	119.5028	98.244	23.316	1075959.983	1408102.45	125.8952	1.7	LAMINA
1520	132.3923	95.2946	27.5135	1075960.121	1408095.37	126.6706	1.7	NIVEL
1521	139.5057	95.2406	26.6468	1075957.086	1408093.649	126.7973	1.7	BORDE RIO
1522	149.5236	92.2511	29.527	1075954.789	1408088.408	128.0591	1.7	NIVEL
1523	162.2723	91.1343	35.117	1075950.571	1408080.446	128.5529	1.7	NIVEL
1524	170.1414	90.3723	40.3869	1075946.84	1408074.12	128.8666	1.7	NIVEL
1525	117.2046	91.2602	53.2256	1075987.246	1408089.501	129.6741	0	CORONA
1526	119.1351	93.1925	53.1614	1075986.298	1408088.026	126.2237	1.7	NIVEL
1527	120.0826	93.3832	53.1652	1075985.869	1408087.301	125.9286	1.7	LAMINA
1528	122.2958	93.5954	53.1453	1075984.699	1408085.457	125.6001	1.7	NIVEL
1529	124.3444	93.542	52.0673	1075982.756	1408084.459	125.7594	1.7	NIVEL
1530	128.5119	93.5747	51.1556	1075979.729	1408081.923	125.7702	1.7	NIVEL
1531	132.1917	93.4937	50.9691	1075977.59	1408079.697	125.9041	1.7	LAMINA
1532	135.4913	92.4055	51.29	1075975.696	1408077.194	126.906	1.7	NIVEL
1533	149.3747	92.0204	54.8793	1075967.725	1408066.613	127.3577	1.7	NIVEL
1534	139.3147	91.3431	70.2055	1075985.549	1408060.554	127.3761	1.7	NIVEL
1535	135.145	91.564	70.647	1075989.708	1408063.803	126.9089	1.7	NIVEL
1536	133.2628	92.55	68.5734	1075989.721	1408066.854	125.8166	1.7	LAMINA
1537	132.27	93.131	67.885	1075990.006	1408068.198	125.4935	1.7	NIVEL
1538	129.3032	93.0913	67.4064	1075991.921	1408071.127	125.5979	1.7	NIVEL
1539	128.2521	92.5847	66.5796	1075992.084	1408072.626	125.8449	1.7	LAMINA
1540	124.3856	92.5732	66.8394	1075994.903	1408075.997	125.8556	1.7	NIVEL
1541	119.19	92.3432	65.6885	1075997.205	1408081.818	126.354	1.7	BORDE RIO
1542	121.4937	92.3844	71.537	1076000.707	1408076.265	126.0041	1.7	D64 B - D146
1543	301.4937	86.5437	71.5637	1075939.97	1408113.916	129.6118	1.7	D146 - D64 B
1544	351.2411	79.0218	9.8183	1075999.261	1408085.795	127.6211	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1545	351.5359	79.4719	18.2351	1075998.168	1408094.031	128.9868	1.7	CORONA
1546	352.0053	85.0814	38.0361	1075995.421	1408113.794	129.3786	1.3	NIVEL
1547	19.1039	82.4358	5.9006	1076002.626	1408081.795	126.5005	1.7	BORDE RIO
1548	51.2339	81.5921	4.2156	1076003.968	1408078.872	126.3416	1.7	NIVEL
1549	90.2049	89.2148	4.8134	1076005.52	1408076.239	125.8076	1.7	LAMINA
1550	105.525	94.1357	6.152	1076006.609	1408074.59	125.3001	1.7	NIVEL
1551	119.3146	92.0546	7.4073	1076007.15	1408072.621	125.4832	1.7	NIVEL
1552	126.3817	92.5135	9.1574	1076008.049	1408070.812	125.2972	1.7	NIVEL
1553	132.2839	89.2625	10.2957	1076008.304	1408069.317	125.8547	1.7	LAMINA
1554	137.2221	78.1719	10.5307	1076007.694	1408068.682	129.5917	0	CORONA
1555	80.241	81.1318	34.6536	1076034.472	1408081.994	132.7427	0	NIVEL
1556	74.1931	89.2747	34.174	1076033.603	1408085.517	126.0744	1.7	NIVEL
1557	73.3632	89.4422	30.4767	1076029.94	1408084.882	125.8927	1.7	NIVEL
1558	58.3329	89.4537	17.2414	1076015.411	1408085.267	125.8263	1.7	LAMINA
1559	69.5011	89.5714	30.6086	1076029.434	1408086.832	125.7788	1.7	LAMINA
1560	52.3701	89.5338	29.7173	1076024.31	1408094.321	125.8092	1.7	LAMINA
1561	63.3959	90.1552	31.6437	1076029.058	1408090.318	125.6082	1.7	NIVEL
1562	60.3706	90.3115	33.3093	1076029.721	1408092.623	125.4513	1.7	NIVEL
1563	55.5848	89.5602	33.9746	1076028.856	1408095.289	125.7934	1.7	LAMINA
1564	49.2444	86.0259	34.4126	1076026.765	1408098.616	128.1249	1.7	NIVEL
1565	32.3322	86.0429	37.5529	1076020.85	1408107.854	128.3249	1.7	NIVEL
1566	63.2822	89.4455	77.5716	1076070.092	1408110.949	126.0947	1.7	D146 - D147
1567	243.2822	89.5212	77.573	1076000.705	1408076.264	126.0211	1.7	D147 - D146
1568	231.4812	89.2934	40.9908	1076037.893	1408085.585	126.2077	1.7	BORDE RIO
1569	237.2005	89.5834	39.1542	1076037.142	1408089.798	125.8611	1.7	NIVEL
1570	224.1634	90.0017	30.26	1076048.979	1408089.272	125.8423	1.7	LAMINA
1571	222.2759	89.3501	33.3529	1076047.588	1408086.334	126.0871	1.7	NIVEL
1572	221.0935	87.3139	35.8874	1076046.509	1408083.942	127.393	1.7	NIVEL
1573	216.3439	85.3935	38.735	1076047.093	1408079.919	128.7762	1.7	NIVEL
1574	209.011	84.3935	40.7663	1076050.422	1408075.445	129.6389	1.7	CORONA
1575	193.5539	83.3611	33.8206	1076062.02	1408078.323	129.6128	1.7	CORONA
1576	186.053	82.0741	25.8796	1076067.386	1408085.457	129.3892	1.7	CORONA
1577	170.2949	77.5241	18.1077	1076073.024	1408093.49	129.6472	1.7	CORONA
1578	142.5618	75.2127	14.7875	1076078.721	1408099.537	129.5828	1.7	CORONA
1579	105.5433	71.3304	12.4824	1076081.481	1408107.71	129.7949	1.7	CORONA
1580	70.4718	76.0401	15.867	1076084.631	1408116.025	129.6653	1.7	CORONA
1581	38.3018	78.4414	19.5804	1076082.039	1408125.984	129.6689	1.7	CORONA
1582	19.5148	81.2226	25.0155	1076078.482	1408134.215	129.5967	1.7	CORONA
1583	8.4729	82.5111	27.54	1076074.253	1408137.957	129.2712	1.7	CORONA
1584	0.5132	84.4354	38.5648	1076070.645	1408149.347	129.3859	1.7	CORONA
1585	353.3008	86.1904	46.2383	1076064.844	1408156.793	129.2143	1.3	CORONA
1586	208.2337	88.0352	31.0764	1076055.338	1408083.619	126.8944	1.7	NIVEL
1587	187.0059	85.3908	22.0001	1076067.424	1408089.175	127.5126	1.7	NIVEL
1588	191.2752	85.5124	21.8908	1076065.764	1408089.549	127.4264	1.7	NIVEL
1589	203.3725	86.5551	24.952	1076060.12	1408088.116	127.1807	1.7	NIVEL
1590	220.3508	88.4552	32.0141	1076049.282	1408086.631	126.5351	1.7	NIVEL
1591	205.0615	90.0259	20.8997	1076061.235	1408092.019	125.8266	1.7	NIVEL
1592	206.1915	91.1046	20.2738	1076061.114	1408092.776	125.4275	1.7	NIVEL
1593	214.0356	90.4107	17.5217	1076060.286	1408096.43	125.6351	1.7	NIVEL
1594	229.0918	90.5651	15.2165	1076058.588	1408100.992	125.5931	1.7	NIVEL
1595	237.1508	91.4127	14.9947	1076057.49	1408102.835	125.4023	1.7	NIVEL
1596	242.3241	89.5655	13.0489	1076058.516	1408104.927	125.8564	1.7	NIVEL
1597	247.2446	82.1005	12.3705	1076058.779	1408106.236	129.2304	0	CORONA
1598	288.2517	85.1457	22.9462	1076048.392	1408118.163	129.4452	0	NIVEL
1599	297.1945	81.1809	14.5313	1076057.327	1408117.537	128.0421	1.7	CORONA
1600	329.0119	83.5844	7.9278	1076066.03	1408117.707	126.6763	1.7	BORDE RIO
1601	20.0359	90.0646	6.3586	1076072.27	1408116.923	125.8322	1.7	LAMINA
1602	34.3155	94.2433	7.1788	1076074.146	1408116.848	125.2928	1.7	NIVEL
1603	43.1108	95.4019	8.4703	1076075.856	1408117.099	125.0076	1.7	NIVEL
1604	49.5109	99.072	9.5172	1076077.271	1408117.012	124.3358	1.7	NIVEL
1605	58.2624	96.2821	10.7855	1076079.22	1408116.564	124.6289	1.7	NIVEL
1606	61.0407	90.1314	12.2436	1076080.804	1408116.878	125.7976	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1607	141.2712	89.3551	9.7924	1076076.198	1408103.294	125.9135	1.7	LAMINA
1608	33.4719	90.0833	16.2721	1076079.133	1408124.478	125.8042	1.7	LAMINA
1609	12.1225	90.024	21.6489	1076074.657	1408132.111	125.8279	1.7	LAMINA
1610	7.0845	91.353	20.7253	1076072.657	1408131.507	125.269	1.7	NIVEL
1611	1.563	92.1534	19.3373	1076070.735	1408130.261	125.0824	1.7	NIVEL
1612	353.1836	90.5005	18.4359	1076067.934	1408129.257	125.5762	1.7	NIVEL
1613	345.4954	90.0546	18.2063	1076065.625	1408128.599	125.8142	1.7	LAMINA
1614	330.0913	88.5821	18.4467	1076060.903	1408126.942	126.1755	1.7	BORDE RIO
1615	318.3602	86.1734	21.0982	1076056.16	1408126.735	127.2089	1.7	NIVEL
1616	180.205	82.1556	30.1225	1076069.928	1408081.101	129.8987	1.7	CULATA
1617	174.5529	81.1256	24.0626	1076072.209	1408087.264	129.9195	1.3	NIVEL
1618	171.0528	81.1936	24.6458	1076073.878	1408086.882	129.9613	1.3	NIVEL
1619	168.3133	80.4726	23.6993	1076074.758	1408088.026	130.0377	1.3	NIVEL
1620	164.2711	80.5042	24.5771	1076076.608	1408087.577	130.0551	1.4	NIVEL
1621	155.3722	79.0403	20.8192	1076078.539	1408092.335	130.0932	1.4	NIVEL
1622	155.4335	78.0146	18.5145	1076077.547	1408094.443	130.0848	1.3	CULATA
1623	148.4503	76.4809	16.7104	1076078.539	1408097.045	130.0598	1.3	CULATA
1624	120.3136	73.5928	13.8454	1076081.559	1408104.196	130.0631	1.3	CULATA
1625	96.1753	78.2131	18.8877	1076088.48	1408108.931	130.056	1.3	CULATA
1626	65.2032	81.4343	25.1036	1076092.663	1408121.326	129.8562	1.3	CULATA
1627	27.2127	83.2913	30.057	1076083.8	1408137.48	129.6541	1.3	NIVEL
1628	30.373	82.3903	26.2125	1076083.322	1408133.328	129.5978	1.3	NIVEL
1629	20.4154	82.1248	24.7808	1076078.757	1408133.922	129.6021	1.3	NIVEL
1630	348.2539	90.0337	33.6064	1076063.331	1408143.869	126.2095	1.3	LAMINA
1631	346.3352	90.2803	32.553	1076062.51	1408142.606	125.5792	1.7	NIVEL
1632	342.3204	90.1024	31.5522	1076060.605	1408141.042	125.7492	1.7	NIVEL
1633	340.5938	90.3723	30.238	1076060.228	1408139.532	125.5159	1.7	NIVEL
1634	339.1403	90.0555	28.9306	1076059.819	1408137.995	125.795	1.7	LAMINA
1635	336.4453	89.5712	38.9813	1076054.682	1408146.756	125.8765	1.7	D147 - D147 A
1636	341.363	90.2542	83.4447	1076043.72	1408190.115	125.6213	1.3	D147 - D148
1637	156.4453	89.1249	38.9867	1076070.092	1408110.948	126.1017	1.7	D147 A - D147
1638	181.4006	88.1023	14.4274	1076054.271	1408132.342	126.0265	1.7	BORDE RIO
1639	184.4944	84.3251	18.5331	1076053.14	1408128.371	127.3275	1.7	NIVEL
1640	205.2516	77.2713	16.4943	1076047.779	1408132.21	129.1496	1.7	CORONA
1641	228.215	78.4723	17.8033	1076041.637	1408135.146	129.0277	1.7	CORONA
1642	228.1841	84.2443	37.6835	1076026.689	1408121.797	129.236	1.7	NIVEL
1643	241.3452	83.1116	24.4575	1076033.331	1408135.186	128.4676	1.7	CORONA
1644	248.1444	83.474	29.4872	1076027.462	1408135.876	128.754	1.7	CORONA
1645	215.1236	89.4852	11.2806	1076048.184	1408137.536	125.603	1.7	BORDE RIO
1646	219.0009	91.1008	9.1394	1076048.936	1408139.652	125.3801	1.7	NIVEL
1647	217.2554	91.1814	6.4128	1076050.789	1408141.663	125.4206	1.7	NIVEL
1648	221.2016	89.3024	2.898	1076052.77	1408144.579	125.5915	1.7	LAMINA
1649	38.4958	80.1425	3.6847	1076056.958	1408149.586	126.1911	1.7	NIVEL
1650	33.4508	83.5119	9.01	1076059.655	1408154.207	126.5309	1.7	BORDE RIO
1651	31.4005	78.3855	10.9579	1076060.318	1408155.903	127.7233	1.7	CORONA
1652	6.2342	88.0056	8.535	1076055.628	1408155.233	125.862	1.7	NIVEL
1653	344.4516	89.5014	9.0468	1076052.299	1408155.483	125.5922	1.7	LAMINA
1654	335.17	92.0128	9.6141	1076050.66	1408155.482	125.2269	1.7	NIVEL
1655	325.2624	93.1258	10.4915	1076048.735	1408155.379	124.9779	1.7	NIVEL
1656	317.0543	94.2453	12.1604	1076046.423	1408155.632	124.6305	1.7	NIVEL
1657	309.1114	92.1256	13.7706	1076044.012	1408155.444	125.0342	1.7	NIVEL
1658	305.0634	89.5048	14.3858	1076042.909	1408155.023	125.605	1.7	LAMINA
1659	303.0409	84.0426	15.9532	1076041.38	1408155.407	128.9136	0	CORONA
1660	249.4335	81.4736	55.8702	1076002.821	1408127.566	129.4417	5.8	CORONA
1661	255.0549	86.3344	60.5767	1075996.258	1408131.171	129.1992	1.7	NIVEL
1662	256.024	90.4915	60.4968	1075995.986	1408132.134	124.7001	1.7	NIVEL
1663	260.5009	91.005	60.673	1075994.799	1408137.06	124.4932	1.7	NIVEL
1664	263.3726	86.2445	61.2636	1075993.921	1408139.931	129.4001	1.7	CORONA
1665	241.1334	86.2847	62.4105	1076000.098	1408116.74	129.3988	1.7	NIVEL
1666	245.1936	90.0016	20.1638	1076036.364	1408138.328	125.5649	1.7	NIVEL
1667	252.3042	89.2238	20.5944	1076035.045	1408140.556	125.7904	1.7	NIVEL
1668	258.1015	89.595	18.8255	1076036.259	1408142.886	125.5674	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1669	2.5606	86.375	27.5558	1076056.075	1408174.229	128.8862	0	NIVEL
1670	356.2655	89.5238	27.3643	1076052.972	1408174.067	125.6252	1.7	LAMINA
1671	355.0751	90.3057	27.2237	1076052.356	1408173.879	125.3215	1.7	NIVEL
1672	348.3309	90.1218	27.4493	1076049.219	1408173.656	125.4683	1.7	NIVEL
1673	342.373	89.5345	30.3645	1076045.599	1408175.73	125.6218	1.7	LAMINA
1674	336.1314	90.1452	31.4557	1076041.983	1408175.534	125.4306	1.7	NIVEL
1675	331.3014	89.5556	32.6219	1076039.102	1408175.417	125.6052	1.7	LAMINA
1676	328.2723	89.5227	33.0298	1076037.387	1408174.896	125.6391	1.7	NIVEL
1677	161.363	89.4701	83.4446	1076070.092	1408110.948	126.114	1.3	D148 - D147
1678	206.0612	88.4132	4.6745	1076041.666	1408185.917	125.905	1.3	LAMINA
1679	20.4416	88.3152	4.8767	1076045.443	1408194.675	125.9233	1.3	NIVEL
1680	43.5017	89.4317	15.1257	1076054.19	1408201.031	125.8719	1.3	LAMINA
1681	54.315	89.4835	20.5758	1076060.47	1408202.064	125.8667	1.3	LAMINA
1682	55.2108	88.1443	16.4863	1076057.271	1408199.491	126.3032	1.3	BORDE RIO
1683	96.2333	88.0858	9.7211	1076053.376	1408189.038	126.1122	1.3	BORDE RIO
1684	93.1735	85.2047	4.7385	1076048.435	1408189.846	126.1827	1.3	NIVEL
1685	356.4101	97.3119	6.1239	1076043.365	1408196.176	124.9966	1.3	NIVEL
1686	344.525	100.0125	7.3765	1076041.821	1408197.126	124.1144	1.7	NIVEL
1687	334.0115	98.4619	8.6504	1076039.97	1408197.798	124.0791	1.7	NIVEL
1688	324.5518	96.5003	9.9764	1076038.022	1408198.218	124.2111	1.7	NIVEL
1689	318.424	95.0126	10.7445	1076036.652	1408198.153	124.4574	1.7	NIVEL
1690	313.321	97.4104	11.2964	1076035.599	1408197.821	125.5878	0	LAMINA
1691	47.2002	91.331	21.7686	1076059.712	1408204.872	124.8085	1.7	NIVEL
1692	8.0425	96.2608	12.906	1076045.514	1408202.813	123.9517	1.7	NIVEL
1693	43.5524	92.4431	22.9471	1076059.61	1408206.633	124.3006	1.7	NIVEL
1694	0.5635	95.4657	14.9471	1076043.956	1408204.984	125.5924	0	LAMINA
1695	53.5605	91.5546	28.0396	1076066.363	1408206.625	123.9542	2.2	NIVEL
1696	35.0609	91.3856	22.2379	1076056.492	1408208.308	123.6584	2.8	NIVEL
1697	31.0034	90.452	23.2984	1076055.71	1408210.089	123.9911	2.8	NIVEL
1698	28.4522	93.35	23.9431	1076055.204	1408211.071	125.6019	0	NIVEL
1699	47.2823	81.202	44.3349	1076075.743	1408219.711	132.1749	1.6	D148 - D62
1700	49.5149	89.5342	64.0297	1076092.647	1408231.417	125.5158	1.7	D148 - 148 A
1701	49.0758	90.0032	172.8012	1076174.332	1408303.254	125.3734	1.7	D148 - D149
1702	336.4703	82.3219	19.3493	1076036.147	1408207.742	129.611	0	MURO
1703	4.3747	83.5929	21.4614	1076045.43	1408211.39	129.3449	0	MURO
1704	22.3523	81.4757	27.2274	1076054.057	1408215.002	129.2822	1.7	MURO
1705	227.2823	98.3323	44.322	1076043.72	1408190.115	125.7008	1.3	D62 - D148
1706	289.4959	88.3052	435.3239	1075666.166	1408366.775	143.2997	1.6	D62 - D65
1707	48.421	89.5153	108.7626	1076174.319	1408303.242	125.3737	1.7	D148 A - D149
1708	142.1155	81.173	10.4225	1076098.967	1408223.28	126.6938	1.7	MURO
1709	168.3222	84.4522	10.988	1076094.828	1408220.694	126.12	1.7	MURO
1710	175.2016	84.3629	10.4847	1076093.502	1408221.013	126.101	1.7	MURO
1711	185.2702	85.1652	18.1437	1076090.94	1408213.415	126.6084	1.7	MURO
1712	180.3605	83.4748	18.0851	1076092.469	1408213.438	127.07	1.7	MURO
1713	181.4737	77.074	17.787	1076092.114	1408214.085	130.7783	0	NIVEL
1714	181.2418	76.5417	17.4202	1076092.241	1408214.454	130.7627	0	NIVEL
1715	179.3849	75.5756	15.7364	1076092.75	1408216.15	130.632	0	NIVEL
1716	178.5936	75.4643	15.5647	1076092.921	1408216.331	130.6396	0	NIVEL
1717	176.453	74.3211	14.1268	1076093.425	1408217.823	130.5824	0	NIVEL
1718	175.5118	74.1405	13.7748	1076093.613	1408218.195	130.5584	0	NIVEL
1719	173.195	72.4625	12.3095	1076094.02	1408219.74	130.4612	0	NIVEL
1720	172.1116	72.165	11.9524	1076094.201	1408220.138	130.4536	0	NIVEL
1721	249.4859	81.0842	26.0932	1076068.454	1408222.507	130.8325	0	NIVEL
1722	250.2651	81.0329	25.8642	1076068.576	1408222.852	130.836	0	NIVEL
1723	253.2803	80.4235	24.8828	1076069.11	1408224.416	130.8329	0	NIVEL
1724	254.0653	80.4151	24.6751	1076069.231	1408224.738	130.8045	0	NIVEL
1725	257.2611	80.1633	23.7587	1076069.794	1408226.31	130.8288	0	NIVEL
1726	258.0254	80.1319	23.5988	1076069.898	1408226.588	130.8236	0	NIVEL
1727	261.4845	79.5646	22.7813	1076070.446	1408228.209	130.7928	0	NIVEL
1728	262.3357	79.515	22.6458	1076070.544	1408228.52	130.8012	0	NIVEL
1729	197.2634	89.0405	21.6291	1076086.177	1408210.781	125.4676	1.7	LAMINA
1730	201.5616	89.1744	34.4799	1076079.785	1408199.428	125.5398	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1731	229.3813	88.5743	24.3408	1076074.113	1408215.645	125.5568	1.7	LAMINA
1732	208.2951	89.2319	36.5487	1076075.229	1408199.288	125.5058	1.7	LAMINA
1733	227.2833	90.3741	24.0462	1076074.936	1408215.155	124.8523	1.7	NIVEL
1734	220.5823	91.461	24.0359	1076076.905	1408213.269	124.3736	1.7	NIVEL
1735	208.371	90.5428	34.7614	1076076.016	1408200.897	124.5652	1.7	NIVEL
1736	218.403	92.4906	24.3018	1076077.49	1408212.458	123.9209	1.7	NIVEL
1737	218.1751	92.4256	24.3689	1076077.573	1408212.305	123.9613	1.7	NIVEL
1738	209.1126	92.0958	32.9979	1076076.582	1408202.621	123.8687	1.7	NIVEL
1739	211.1853	90.2704	30.3191	1076076.905	1408205.506	123.7771	2.8	NIVEL
1740	212.47	90.0927	27.8899	1076077.559	1408207.96	123.9391	2.8	NIVEL
1741	216.5409	90.5826	22.1739	1076079.345	1408213.68	123.6389	2.8	NIVEL
1742	238.1848	88.3649	16.857	1076078.312	1408222.556	125.5237	1.7	LAMINA
1743	233.55	90.0128	15.9724	1076079.744	1408222.002	125.109	1.7	NIVEL
1744	228.0845	91.232	15.087	1076081.419	1408221.347	124.7502	1.7	NIVEL
1745	211.5816	93.1259	14.1406	1076085.179	1408219.436	124.3224	1.7	NIVEL
1746	220.0845	93.0247	14.5529	1076083.284	1408220.303	124.3424	1.7	NIVEL
1747	204.2723	90.2031	13.4456	1076087.088	1408219.174	125.0356	1.7	NIVEL
1748	201.5512	88.1133	12.6541	1076087.932	1408219.68	125.515	1.7	LAMINA
1749	188.1549	86.4017	12.001	1076090.932	1408219.559	125.8126	1.7	NIVEL
1750	24.183	89.02	19.6365	1076100.719	1408249.314	125.4471	1.7	LAMINA
1751	43.3025	89.1445	19.8474	1076106.302	1408245.818	125.377	1.7	LAMINA
1752	61.0247	89.1828	20.7549	1076110.801	1408241.474	125.3666	1.7	NIVEL
1753	71.4002	89.1221	18.4089	1076110.117	1408237.216	125.371	1.7	NIVEL
1754	78.0057	89.5429	18.7507	1076110.987	1408235.32	125.1459	1.7	NIVEL
1755	82.33	89.5921	18.5934	1076111.083	1408233.838	125.1193	1.7	NIVEL
1756	85.0558	89.2453	18.6241	1076111.202	1408233.018	125.3061	1.7	LAMINA
1757	76.5603	89.4643	37.85	1076129.512	1408239.994	125.2621	1.7	LAMINA
1758	75.0845	90.063	37.5032	1076128.892	1408241.051	125.045	1.7	NIVEL
1759	73.1605	90.1716	37.2857	1076128.348	1408242.171	124.9285	1.7	NIVEL
1760	70.4224	90.0041	36.6515	1076127.234	1408243.546	125.1086	1.7	NIVEL
1761	69.1655	89.465	36.9253	1076127.177	1408244.499	125.2573	1.7	LAMINA
1762	65.3144	89.1113	37.6729	1076126.924	1408247.04	125.6505	1.7	NIVEL
1763	49.2055	89.0944	37.4654	1076121.055	1408255.837	125.6637	1.7	NIVEL
1764	41.1234	89.2219	39.3985	1076118.585	1408261.069	125.5477	1.7	NIVEL
1765	31.583	88.5851	41.3204	1076114.505	1408266.475	125.8509	1.7	BORDE RIO
1766	26.535	87.0357	43.6658	1076112.353	1408270.319	129.0511	0	CORONA
1767	51.2015	89.2339	79.2608	1076154.506	1408280.966	125.9545	1.7	NIVEL
1768	49.234	89.5	77.3762	1076151.363	1408281.81	125.3411	1.7	NIVEL
1769	47.2039	89.5827	75.7103	1076148.298	1408282.749	125.1501	1.7	LAMINA
1770	46.2055	90.034	74.9146	1076146.823	1408283.158	125.0364	1.7	NIVEL
1771	44.3226	90.1153	73.9141	1076144.462	1408284.128	124.8606	1.7	NIVEL
1772	43.3743	89.5958	73.3004	1076143.193	1408284.502	125.1168	1.7	LAMINA
1773	38.322	89.4538	73.0986	1076138.158	1408288.619	125.4216	1.7	NIVEL
1774	36.2234	89.5119	73.7492	1076136.353	1408290.82	125.3025	1.7	BORDE RIO
1775	50.1448	88.5516	93.4949	1076164.48	1408291.235	128.577	0	CORONA
1776	49.2617	89.4637	93.3442	1076163.526	1408292.155	125.4798	1.7	NIVEL
1777	46.2446	90.0249	93.7195	1076160.494	1408296.071	125.0394	1.7	LAMINA
1778	45.2157	90.135	93.7129	1076159.296	1408297.295	124.7391	1.7	NIVEL
1779	42.3735	90.1724	94.852	1076156.842	1408301.243	124.6361	1.7	NIVEL
1780	41.1315	90.1617	95.5493	1076155.569	1408303.322	124.6638	1.7	NIVEL
1781	228.421	89.4728	108.7739	1076092.652	1408231.421	125.5357	1.7	D149 - 148 A
1782	253.103	85.4622	52.4267	1076124.295	1408288.092	129.2031	1.5	CORONA
1783	264.1352	90.1438	23.3746	1076151.078	1408300.891	125.0389	1.7	LAMINA
1784	272.3608	82.1117	30.5771	1076144.07	1408304.612	129.2945	1.7	CORONA
1785	278.2234	81.1034	27.8654	1076147.088	1408307.25	129.413	1.7	NIVEL
1786	279.2944	80.04	20.2271	1076154.68	1408306.53	128.6276	1.7	NIVEL
1787	322.4419	75.473	13.8984	1076166.169	1408313.973	128.5498	1.7	NIVEL
1788	2.4633	75.5912	15.1772	1076175.037	1408317.963	128.8135	1.7	NIVEL
1789	2.1542	77.4	21.4752	1076175.148	1408324.218	129.7255	1.7	MURO
1790	2.3959	78.1945	22.3492	1076175.338	1408325.118	129.6594	1.7	NIVEL
1791	141.2928	86.1011	20.3147	1076186.962	1408287.4	126.4955	1.7	D149 - D150
1792	25.4933	78.5556	24.4515	1076184.774	1408324.86	129.8324	1.7	CORONA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1793	41.152	80.0815	27.2299	1076174.332	1408303.255	129.8025	1.7	D150 - D149
1793	321.2929	92.2715	20.2887	1076192.012	1408323.432	125.3767	1.7	CORONA
1794	307.4503	85.4756	43.7329	1076152.461	1408314.083	129.4493	1.7	NIVEL
1795	318.4755	85.2206	40.7502	1076160.19	1408317.945	129.5362	1.7	NIVEL
1796	359.5049	84.252	37.4585	1076186.841	1408324.681	129.8864	1.7	NIVEL
1797	8.585	84.2622	36.2674	1076192.576	1408323.058	129.7598	1.7	NIVEL
1798	19.1107	83.3916	32.5188	1076197.565	1408317.931	129.8397	1.7	NIVEL
1799	18.4454	84.4223	35.305	1076198.242	1408320.696	129.5028	1.7	MURO
1800	32.2837	82.4352	27.4269	1076201.558	1408310.36	129.7157	1.7	CORONA
1801	56.4406	81.2932	25.8222	1076208.307	1408301.42	130.0658	1.7	CORONA
1802	80.514	83.2418	25.4809	1076211.95	1408291.435	129.172	1.7	CORONA
1803	104.2119	83.2934	26.7502	1076212.714	1408280.825	129.2771	1.7	CORONA
1804	118.5814	84.3408	30.9306	1076213.909	1408272.501	129.1732	1.7	CORONA
1805	134.1727	85.0934	33.9312	1076211.177	1408263.804	129.1088	1.7	CORONA
1806	148.1759	85.1549	37.9079	1076206.832	1408255.269	129.3757	1.7	CORONA
1807	160.3248	87.4518	48.5542	1076203.146	1408241.662	129.0476	0.8	CORONA
1808	168.3806	88.4201	60.6481	1076198.944	1408227.963	127.6213	1.7	CORONA
1809	147.3851	88.2233	61.6038	1076219.944	1408235.399	127.9919	1.7	NIVEL
1810	147.5922	86.5219	51.5832	1076214.289	1408243.741	129.0603	1.7	NIVEL
1811	147.5922	87.2416	66.5722	1076222.246	1408231.028	129.2604	1.7	NIVEL
1812	126.5008	86.5148	48.5538	1076225.781	1408258.357	128.9025	1.7	NIVEL
1813	123.1326	87.5544	73.5516	1076248.473	1408247.162	129.1038	1.5	NIVEL
1814	102.4049	86.3007	47.101	1076232.834	1408277.107	129.1195	1.7	NIVEL
1815	102.4048	87.3321	72.0833	1076257.232	1408271.632	129.3199	1.7	NIVEL
1816	102.2829	87.545	83.0798	1076268.037	1408269.512	129.2702	1.7	NIVEL
1817	86.5857	86.4723	51.0619	1076237.871	1408290.113	129.1051	1.7	NIVEL
1818	86.5856	88.1038	96.0478	1076282.825	1408292.508	129.3013	1.7	NIVEL
1819	78.2923	84.5146	63.4659	1076248.894	1408300.049	128.9285	4.7	PARAMENTO
1820	68.3824	83.4252	55.9463	1076238.74	1408307.684	129.071	5	PARAMENTO
1821	65.0016	85.0915	64.324	1076245.037	1408314.516	128.9294	4.45	PARAMENTO
1822	272.4032	76.3656	9.603	1076177.63	1408287.831	128.6684	1.5	CORONA
1823	282.452	80.5914	9.0066	1076178.285	1408289.359	127.6565	1.7	NIVEL
1824	309.1659	90.1532	10.3916	1076178.915	1408293.975	126.1986	1.7	BORDE RIO
1825	320.0611	92.1636	15.5778	1076176.971	1408299.337	125.6267	1.7	NIVEL
1826	326.1427	93.2254	19.7599	1076175.991	1408303.793	125.08	1.7	LAMINA
1827	327.0026	94.1101	21.1708	1076175.454	1408305.103	124.7011	1.7	NIVEL
1828	329.3052	93.5726	23.3204	1076175.148	1408307.442	124.6361	1.7	NIVEL
1829	331.135	93.5725	26.1992	1076174.37	1408310.304	124.4376	1.7	NIVEL
1830	332.1003	94.055	27.9284	1076173.942	1408312.027	124.2501	1.7	NIVEL
1831	331.5813	92.2348	29.1356	1076173.268	1408313.088	125.0272	1.7	LAMINA
1832	8.1116	93.5414	17.2695	1076189.406	1408304.455	125.0698	1.7	LAMINA
1833	8.5124	94.3838	18.8759	1076189.848	1408305.992	124.7173	1.7	NIVEL
1834	11.1404	94.5622	20.9942	1076191.025	1408307.918	124.4378	1.7	NIVEL
1835	13.1314	95.4305	23.3101	1076192.253	1408309.983	123.9231	1.7	NIVEL
1836	15.0422	94.3127	26.2617	1076193.755	1408312.683	124.174	1.7	NIVEL
1837	14.4207	92.2934	28.2256	1076194.103	1408314.68	125.0179	1.7	LAMINA
1838	86.3024	93.0235	22.9771	1076209.863	1408288.811	125.0257	1.7	LAMINA
1839	84.1926	95.1901	21.575	1076208.337	1408289.537	124.2463	1.7	NIVEL
1840	82.3434	97.3141	20.2199	1076206.838	1408290.002	123.5964	1.7	NIVEL
1841	81.014	97.4804	19.4369	1076205.981	1408290.414	123.6073	1.7	NIVEL
1842	79.4726	96.3026	17.9529	1076204.515	1408290.572	123.111	2.8	NIVEL
1843	77.1414	98.272	16.3863	1076202.768	1408290.99	123.836	1.7	NIVEL
1844	73.4155	95.5449	14.1336	1076200.453	1408291.354	124.7893	1.7	NIVEL
1845	73.494	95.121	13.0811	1076199.471	1408291.036	125.0593	1.7	LAMINA
1846	62.3528	93.5859	7.0035	1076193.162	1408290.62	125.759	1.7	NIVEL
1847	205.0302	75.4656	7.3351	1076183.955	1408280.957	128.0471	1.7	NIVEL
1848	175.421	91.1323	7.7162	1076187.544	1408279.708	126.0808	1.7	NIVEL
1849	156.5001	95.2425	8.553	1076190.316	1408279.574	125.4396	1.7	NIVEL
1850	178.0633	92.5104	23.7608	1076187.758	1408263.682	125.0637	1.7	BORDE RIO
1851	173.2514	93.1233	24.6805	1076189.799	1408262.922	124.8639	1.7	NIVEL
1852	169.2351	93.2752	26.0529	1076191.761	1408261.842	124.6712	1.7	NIVEL
1853	165.2654	93.3518	27.5428	1076193.884	1408260.797	124.5217	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1854	162.2012	92.4242	29.2774	1076195.851	1408259.539	124.8604	1.7	NIVEL
1855	160.2038	92.1648	30.4647	1076197.218	1408258.739	125.0336	1.7	NIVEL
1856	154.394	90.5053	33.4979	1076201.314	1408257.137	125.7497	1.7	NIVEL
1857	153.3606	91.2612	37.0914	1076203.467	1408254.196	125.3156	1.7	NIVEL
1858	168.343	90.4722	55.565	1076197.998	1408232.948	125.4801	1.7	NIVEL
1859	170.5919	91.1833	55.158	1076195.63	1408232.942	124.9856	1.7	LAMINA
1860	172.1233	91.3042	54.7765	1076194.415	1408233.153	124.8006	1.7	NIVEL
1861	174.5334	91.5206	54.6247	1076191.853	1408233.024	124.4647	1.7	NIVEL
1862	176.4939	92.2407	54.4585	1076190.004	1408233.075	123.9633	1.7	NIVEL
1863	178.1631	92.4236	54.4894	1076188.631	1408232.997	123.6694	1.7	NIVEL
1864	172.43	90.3028	118.1414	1076202.005	1408170.225	125.1993	1.7	D150 - D151
1865	352.4259	89.1632	118.1452	1076186.961	1408287.399	126.5091	1.7	D151 - D150
1866	348.0545	91.0804	64.2836	1076188.712	1408233.106	123.7418	1.7	NIVEL
1867	346.575	91.2242	64.7063	1076187.378	1408233.237	123.4581	1.7	NIVEL
1868	345.4034	90.3415	64.9955	1076185.89	1408233.188	123.2671	2.8	NIVEL
1869	344.4826	91.24	65.2086	1076184.885	1408233.126	125.1215	0	LAMINA
1870	355.0352	89.5504	35.8997	1076198.896	1408205.99	125.066	1.7	BORDE RIO
1871	347.2022	90.0824	35.8657	1076194.124	1408205.214	124.9267	1.7	NIVEL
1872	343.3232	90.2745	36.1118	1076191.755	1408204.851	124.723	1.7	NIVEL
1873	337.0842	90.3551	36.7575	1076187.71	1408204.087	124.6311	1.7	NIVEL
1874	331.3137	89.551	38.388	1076183.684	1408203.959	125.0684	1.7	LAMINA
1875	342.2953	89.5314	19.5357	1076196.119	1408188.853	125.0528	1.7	LAMINA
1876	274.1112	80.5632	13.3389	1076188.867	1408171.179	128.8143	0	CORONA
1877	277.1455	90.0141	12.571	1076189.533	1408171.804	125.0081	1.7	LAMINA
1878	279.5654	92.2819	10.5184	1076191.653	1408172.035	124.5607	1.7	NIVEL
1879	294.3649	91.2826	8.3948	1076194.373	1408173.716	124.7984	1.7	NIVEL
1880	310.1307	90.3428	6.9466	1076196.698	1408174.707	124.9446	1.7	NIVEL
1881	320.3446	89.3517	6.386	1076197.947	1408175.156	125.0602	1.7	LAMINA
1882	8.2556	87.2748	7.7438	1076203.135	1408177.878	125.357	1.7	NIVEL
1883	29.405	86.4335	11.4025	1076207.636	1408180.119	125.6654	1.7	NIVEL
1884	39.2503	81.1815	17.3977	1076212.917	1408183.517	127.6446	1.7	NIVEL
1885	39.2623	82.3449	20.3656	1076214.825	1408185.829	129.3443	0	CORONA
1886	90.1021	85.5207	28.9929	1076230.922	1408170.155	128.8031	0	CORONA
1887	90.102	87.5658	63.9588	1076265.922	1408170.069	129.0032	0	NIVEL
1888	93.2826	87.1418	25.975	1076227.903	1408168.668	126.2659	1.7	BORDE RIO
1889	110.5053	87.3318	19.4868	1076220.203	1408163.307	125.8456	1.7	NIVEL
1890	133.0424	87.333	18.5148	1076215.524	1408157.6	125.8031	1.7	NIVEL
1891	151.2935	89.551	17.993	1076210.601	1408154.419	125.0396	1.7	LAMINA
1892	157.513	90.4931	18.0442	1076208.814	1408153.517	124.7544	1.7	NIVEL
1893	164.3549	91.2031	19.0766	1076207.081	1408151.842	124.5676	1.7	NIVEL
1894	172.2414	92.1433	21.0697	1076204.8	1408149.358	124.1899	1.7	NIVEL
1895	177.0557	91.1638	22.4479	1076203.153	1408147.812	124.5139	1.7	NIVEL
1896	178.4951	90.0437	22.9764	1076202.487	1408147.254	124.9835	1.7	LAMINA
1897	183.06	84.2146	24.0687	1076200.723	1408146.307	129.0786	0	NIVEL
1898	140.3003	89.5847	31.4094	1076221.997	1408146	125.0255	1.7	LAMINA
1899	136.4743	89.5754	47.2225	1076234.353	1408135.822	125.0433	1.7	NIVEL
1900	120.4838	89.5908	69.4971	1076261.714	1408134.663	125.032	1.7	NIVEL
1901	139.404	87.5304	58.763	1076240.029	1408125.475	128.8838	0	CORONA
1902	170.2822	88.0054	68.4038	1076213.358	1408102.812	129.084	0	NIVEL
1904	150.0603	88.462	110.572	1076257.164	1408074.423	129.0842	0	NIVEL
1905	139.0746	89.5911	57.8087	1076239.857	1408126.532	125.0283	1.7	NIVEL
1906	138.3257	90.4931	57.3936	1076240.018	1408127.233	124.1879	1.7	NIVEL
1907	137.2101	91.2109	56.3369	1076240.187	1408128.822	123.6847	1.7	NIVEL
1908	135.464	90.5322	55.1192	1076240.465	1408130.751	124.1589	1.7	NIVEL
1909	133.2122	90.092	54.2235	1076241.452	1408133.022	124.8673	1.7	NIVEL
1910	126.4222	89.5634	52.5086	1076244.119	1408138.864	125.0669	1.7	NIVEL
1911	132.0519	90.001	53.7155	1076241.888	1408134.244	125.012	1.7	LAMINA
1912	118.361	89.1218	52.9308	1076248.486	1408144.914	125.7488	1.7	NIVEL
1913	115.1116	88.0106	53.035	1076249.981	1408147.695	128.5484	0	CORONA
1914	78.1112	88.2914	69.4613	1076269.963	1408184.479	128.3483	0.2	NIVEL
1915	116.3349	88.5749	80.8259	1076274.307	1408134.128	127.9768	0.2	CORONA
1916	95.5832	88.5505	88.0535	1076289.57	1408161.11	128.3776	0	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1917	119.1155	89.5913	80.9363	1076272.679	1408130.781	125.0333	1.7	NIVEL
1918	119.38	89.575	80.482	1076271.983	1408130.471	125.0653	1.7	LAMINA
1919	124.3946	90.1925	82.0369	1076269.507	1408123.606	124.5513	1.7	NIVEL
1920	122.295	90.1548	81.2524	1076270.559	1408126.611	124.6413	1.7	NIVEL
1921	128.2115	90.0558	83.1901	1076267.271	1408118.641	124.8703	1.7	NIVEL
1922	130.3943	89.5851	82.8014	1076264.846	1408116.308	125.0424	1.7	LAMINA
1923	132.155	88.2602	81.3257	1076262.199	1408115.585	128.9375	0	CORONA
1924	147.5807	88.2138	84.9543	1076247.086	1408098.26	129.1454	0	NIVEL
1925	128.3414	89.0114	113.0804	1076290.443	1408099.782	128.648	0	CORONA
1926	143.2551	88.572	116.9957	1076271.752	1408076.317	128.848	0	NIVEL
1927	128.015	90.0222	113.2748	1076291.269	1408100.489	124.9372	1.7	LAMINA
1928	127.0824	90.0515	112.5116	1076291.733	1408102.346	124.8431	1.7	NIVEL
1929	124.4842	90.0516	111.1203	1076293.274	1408106.84	124.8451	1.7	NIVEL
1930	122.1852	90.0517	110.6603	1076295.56	1408111.123	124.8452	1.7	NIVEL
1931	119.4426	90.0335	110.5327	1076298.009	1408115.447	124.8997	1.7	NIVEL
1932	120.4715	90.0032	194.5083	1076369.158	1408070.76	124.9865	1.7	D151 - D152
1933	300.4715	89.5014	194.5112	1076202.003	1408170.226	125.2264	1.7	D152 - D151
1934	304.3043	89.5345	84.1676	1076299.776	1408118.408	124.8251	1.7	NIVEL
1935	305.1115	89.4325	84.1299	1076300.374	1408119.2	125.0777	1.7	LAMINA
1936	308.2607	88.1941	84.5992	1076302.889	1408123.289	127.1402	1.7	CORONA
1937	330.2204	88.272	91.5724	1076323.853	1408150.301	128.3399	0.5	NIVEL
1938	312.0301	89.4913	58.6513	1076325.584	1408110.018	124.8556	1.7	BORDE RIO
1939	328.4235	86.0549	57.0168	1076339.586	1408119.353	128.5528	1.7	CORONA
1940	328.3924	87.1839	87.0245	1076323.899	1408144.977	128.7551	1.7	NIVEL
1941	352.2203	86.1433	62.3061	1076360.865	1408132.376	128.7547	1.7	NIVEL
1942	336.573	85.1317	46.0246	1076351.182	1408112.955	128.5057	1.7	CORONA
1943	341.4821	83.4815	35.2753	1076358.189	1408104.069	128.4786	1.7	NIVEL
1944	6.5017	82.4351	26.8044	1076372.309	1408097.161	128.7631	1	CORONA
1945	356.042	86.2207	56.7029	1076365.249	1408127.214	128.9632	1	NIVEL
1946	305.5056	89.4137	58.4712	1076321.744	1408104.976	124.9845	1.7	NIVEL
1947	330.152	88.3905	50.2607	1076344.204	1408114.372	125.8545	1.7	BORDE RIO
1948	339.1224	88.4326	32.7761	1076357.508	1408101.387	125.4014	1.7	BORDE RIO
1949	322.101	89.4304	33.1395	1076348.818	1408096.922	124.8349	1.7	NIVEL
1950	309.1227	89.5011	30.3871	1076345.601	1408089.955	124.7583	1.7	NIVEL
1951	300.3317	89.5015	58.1714	1076319.047	1408100.303	124.8367	1.7	NIVEL
1952	277.5209	89.4744	27.198	1076342.214	1408074.468	124.7686	1.7	NIVEL
1953	262.1027	90.1452	29.5493	1076339.886	1408066.72	124.5438	1.7	LAMINA
1954	297.0059	90.3953	57.359	1076318.047	1408096.784	124.0063	1.7	NIVEL
1955	295.101	90.4943	57.1303	1076317.443	1408095.025	123.8454	1.7	NIVEL
1956	293.2858	89.5058	57.2283	1076316.656	1408093.534	124.8221	1.7	LAMINA
1957	259.0239	90.3237	30.5728	1076339.147	1408064.933	124.3815	1.7	NIVEL
1958	257.3613	90.5737	31.637	1076338.266	1408063.952	124.1414	1.7	NIVEL
1959	255.394	90.5228	32.4904	1076337.688	1408062.696	124.1757	1.7	NIVEL
1960	254.2257	90.1256	32.5882	1076337.778	1408061.969	124.549	1.7	LAMINA
1961	253.5752	88.3706	33.4464	1076337.027	1408061.505	125.4781	1.7	NIVEL
1962	233.255	88.2654	42.5948	1076334.975	1408045.372	125.8251	1.7	NIVEL
1963	223.2521	87.3344	54.6404	1076331.656	1408031.089	125.4957	3.2	BORDE RIO
1964	219.4006	86.2219	61.2811	1076330.145	1408023.661	128.5496	1.7	CORONA
1965	210.0329	87.0725	81.2606	1076328.547	1408000.493	128.7497	1.7	NIVEL
1966	12.2022	89.4959	20.1434	1076373.451	1408090.44	124.7302	1.7	BORDE RIO
1967	11.3008	91.2701	13.1436	1076371.771	1408083.637	124.3388	1.7	NIVEL
1968	189.2531	85.2752	62.6398	1076358.967	1408009.153	129.6252	1.7	CORONA
1969	189.2533	87.3546	58.495	1076359.619	1408013.1	127.1252	1.7	BORDE RIO
1970	185.1715	84.4011	42.9445	1076365.241	1408028.181	128.6611	1.7	NIVEL
1971	183.3748	81.5524	43.3437	1076366.465	1408027.93	128.6613	3.8	SALIENTE
1972	3.5431	91.4913	5.6782	1076369.541	1408076.422	124.4911	1.7	NIVEL
1973	313.3652	79.0431	1.8002	1076367.877	1408071.978	125.0127	1.7	NIVEL
1974	194.5404	91.472	8.6595	1076366.937	1408062.394	124.4012	1.7	LAMINA
1975	189.3744	91.5849	10.7242	1076367.371	1408060.192	124.3009	1.7	NIVEL
1976	183.1421	91.5453	12.6115	1076368.453	1408058.175	124.2501	1.7	NIVEL
1977	179.0003	92.1851	14.1869	1076369.413	1408056.587	124.0987	1.7	NIVEL
1978	177.2425	90.5332	15.111	1076369.85	1408055.666	124.4362	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
1979	174.5954	87.2401	17.1678	1076370.663	1408053.676	127.1502	0	NIVEL
1980	106.4532	94.1157	3.2482	1076372.26	1408069.827	124.4337	1.7	LAMINA
1981	127.0107	82.4443	31.0518	1076393.763	1408052.228	128.5928	1.7	CORONA
1982	127.0108	87.1029	28.8397	1076392.166	1408053.43	126.0931	1.7	BORDE RIO
1983	127.0836	85.4713	56.0472	1076413.733	1408037.034	128.7892	1.7	NIVEL
1984	127.0837	87.0058	80.9726	1076433.643	1408021.97	128.8868	1.7	NIVEL
1985	34.2518	91.5208	9.8423	1076374.714	1408078.877	124.3505	1.7	LAMINA
1986	49.0538	90.4439	19.6218	1076383.979	1408083.616	124.4167	1.7	LAMINA
1987	54.2431	91.1243	20.1458	1076385.53	1408082.491	124.2454	1.7	NIVEL
1988	60.5422	92.4206	18.7984	1076385.561	1408079.899	123.7855	1.7	NIVEL
1989	70.08	93.0221	18.0304	1076386.088	1408076.888	123.7156	1.7	NIVEL
1990	78.0422	93.1013	17.623	1076386.372	1408074.406	123.6969	1.7	NIVEL
1991	83.5106	90.4944	17.6877	1076386.741	1408072.664	124.4157	1.7	LAMINA
1992	82.2928	84.2051	45.172	1076413.721	1408076.659	128.3208	2.5	CORONA
1993	75.5647	86.1541	53.0513	1076420.504	1408083.644	128.1309	1.7	NIVEL
1994	46.0943	88.5709	37.0377	1076395.854	1408096.424	125.3487	1.7	BORDE RIO
1995	51.1612	88.4011	36.8217	1076397.862	1408093.807	125.5265	1.7	NIVEL
1996	59.0105	89.3214	37.014	1076400.879	1408089.831	124.9705	1.7	NIVEL
1997	65.3943	90.2403	37.7054	1076403.503	1408086.318	124.4078	1.7	LAMINA
1998	67.1305	90.5338	37.857	1076404.049	1408085.437	124.081	1.7	NIVEL
1999	70.1712	91.2557	38.1747	1076405.077	1408083.653	123.7173	1.7	NIVEL
2000	73.431	92.0707	38.9597	1076406.523	1408081.695	123.2312	1.7	NIVEL
2001	76.1439	92.1945	39.6597	1076407.643	1408080.204	123.0599	1.7	NIVEL
2002	78.5032	91.2531	40.0406	1076408.425	1408078.528	123.6757	1.7	NIVEL
2003	82.0726	90.2411	39.8883	1076408.666	1408076.248	124.3911	1.7	LAMINA
2004	69.2955	86.3825	58.359	1076423.715	1408091.194	128.0918	1.7	CORONA
2005	66.3126	88.1711	58.9875	1076423.225	1408094.278	126.4357	1.7	NIVEL
2006	64.0438	90.1559	59.7058	1076422.841	1408096.891	124.3941	1.7	LAMINA
2007	63.2604	90.4558	59.7267	1076422.559	1408097.499	123.8732	1.7	NIVEL
2008	62.401	90.141	60.3846	1076422.786	1408098.514	124.423	1.7	LAMINA
2009	61.2837	89.073	61.1831	1076422.892	1408100.003	125.6061	1.7	CORONA
2010	61.1223	87.1747	65.8519	1076426.785	1408102.475	127.7781	1.7	CORONA
2011	45.5636	88.5819	46.6031	1076402.625	1408103.18	125.5078	1.7	D152 - D153
2012	225.5636	90.1539	46.5958	1076369.158	1408070.76	124.9909	1.7	D153 - D152
2013	108.093	88.1335	40.9434	1076441.518	1408090.448	128.1702	0	CORONA
2014	103.3228	91.0542	40.5004	1076441.998	1408093.721	124.4289	1.7	LAMINA
2015	102.4459	91.3523	40.5816	1076442.196	1408094.25	124.077	1.7	NIVEL
2016	101.5851	91.0103	42.6181	1076444.314	1408094.358	124.4461	1.7	LAMINA
2017	101.1236	87.3939	42.3917	1076444.178	1408094.969	128.6332	0	NIVEL
2018	101.124	88.3414	77.3805	1076478.514	1408088.183	128.8334	0	NIVEL
2019	340.3451	85.4953	19.2921	1076396.218	1408121.323	128.3052	0	CORONA
2020	340.3452	87.5533	44.2698	1076387.893	1408144.895	128.5053	0	NIVEL
2021	341.3119	88.0552	17.8598	1076396.958	1408120.106	125.7957	1.7	BORDE RIO
2022	346.55	87.3944	16.1812	1076398.957	1408118.926	125.8629	1.7	NIVEL
2023	356.5315	93.4611	15.2612	1076401.79	1408118.385	124.1994	1.7	NIVEL
2024	4.3724	93.4455	14.124	1076403.753	1408117.228	124.2794	1.7	LAMINA
2025	130.2816	91.5345	25.0466	1076421.678	1408086.943	124.3742	1.7	LAMINA
2026	130.3941	93.1659	24.2939	1076421.033	1408087.387	123.8115	1.7	NIVEL
2027	136.1506	93.4246	22.1013	1076417.885	1408087.256	122.6717	2.8	NIVEL
2028	133.2834	94.0502	18.8718	1076416.293	1408090.236	122.7588	2.8	NIVEL
2029	126.4711	93.3942	15.2841	1076414.846	1408094.053	123.1267	2.8	NIVEL
2030	121.5835	93.5503	12.0353	1076412.814	1408096.827	123.2806	2.8	NIVEL
2031	10.3305	94.1926	14.4715	1076405.26	1408117.368	123.0117	2.8	ANULAR
2032	10.3306	94.1929	14.4883	1076405.263	1408117.384	124.1103	1.7	NIVEL
2033	23.5244	94.1206	15.3693	1076408.822	1408117.199	124.0768	1.7	NIVEL
2034	43.3121	92.5505	18.0455	1076415.029	1408116.255	124.2842	1.7	NIVEL
2035	51.2122	92.2754	21.6901	1076419.543	1408116.722	124.2699	1.7	NIVEL
2036	55.5722	92.3446	24.4421	1076422.85	1408116.861	124.1028	1.7	NIVEL
2037	57.1408	91.4819	25.5078	1076424.057	1408116.99	124.3993	1.7	LAMINA
2038	84.4244	98.4533	5.2405	1076407.782	1408103.66	124.4048	1.7	LAMINA
2039	55.2735	89.39	40.4983	1076435.971	1408126.16	125.4503	1.7	BORDE RIO
2040	43.5157	90.233	41.3858	1076431.287	1408133.033	124.9201	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2041	31.5816	91.0835	42.8353	1076425.281	1408139.523	124.3484	1.7	NIVEL
2042	27.2308	91.2253	43.8595	1076422.772	1408142.124	124.1456	1.7	LAMINA
2043	25.2401	91.3131	44.1649	1076421.54	1408143.072	124.0274	1.7	NIVEL
2044	21.3644	91.3257	45.031	1076419.182	1408145.039	123.9855	1.7	NIVEL
2045	16.1416	91.2638	46.1894	1076415.512	1408147.52	124.039	1.7	NIVEL
2046	14.5316	91.1824	46.6788	1076414.59	1408148.287	124.1385	1.7	LAMINA
2047	10.5743	88.1942	47.4048	1076411.61	1408149.705	128.2859	0	NIVEL
2048	343.0847	88.1827	53.5986	1076387.064	1408154.445	128.4859	0	NIVEL
2049	26.5205	91.0501	57.1237	1076428.408	1408154.143	124.1228	1.7	LAMINA
2050	23.5819	91.1439	58.2445	1076426.254	1408156.401	123.9383	1.7	NIVEL
2051	19.4735	91.01	61.1015	1076423.28	1408160.674	124.119	1.7	LAMINA
2052	16.1146	89.0506	64.7225	1076420.641	1408165.336	127.9367	0	NIVEL
2053	349.5311	89.0117	72.2089	1076389.907	1408174.249	128.1363	0	NIVEL
2054	29.0315	89.2105	92.2417	1076447.373	1408183.834	127.9475	0	CORONA
2055	12.1003	89.1538	96.4001	1076422.888	1408197.418	128.1476	0	NIVEL
2056	30.123	90.4505	87.9348	1076446.822	1408179.192	124.0503	1.7	LAMINA
2057	31.4425	90.5524	86.4754	1076448.07	1408176.738	123.8099	1.7	NIVEL
2058	33.3643	90.5714	85.0834	1076449.678	1408174.055	123.7869	1.7	NIVEL
2059	38.1704	90.4909	83.9998	1076454.626	1408169.138	124.0022	1.7	LAMINA
2060	41.433	90.1843	84.0232	1076458.511	1408165.921	124.7456	1.7	NIVEL
2061	46.1828	90.1455	84.136	1076463.427	1408161.334	124.8382	1.7	NIVEL
2062	51.5739	90.15	81.7441	1076466.977	1408153.587	124.8467	1.7	NIVEL
2063	53.3728	90.0048	94.8242	1076478.941	1408159.461	125.1813	1.7	BORDE RIO
2064	54.1913	89.1342	97.0724	1076481.437	1408159.837	128.2107	0	CORONA
2065	64.0316	89.2217	118.2948	1076508.962	1408154.993	128.2015	0	NIVEL
2066	32.465	89.1701	98.5754	1076455.945	1408186.081	128.1358	0	CORONA
2067	33.531	90.0052	104.3598	1076460.762	1408189.847	125.1773	1.7	PATA
2068	35.2216	90.005	113.1507	1076468.073	1408195.482	125.1762	1.7	NIVEL
2069	36.2233	90.2959	112.4657	1076469.273	1408193.765	124.2226	1.7	BORDE RIO
2070	35.5639	90.02	122.898	1076474.71	1408202.718	125.1323	1.7	PATA
2071	37.5937	90.2328	123.3633	1076478.508	1408200.441	124.3616	1.7	BORDE RIO
2072	36.4941	89.2015	126.9418	1076478.654	1408204.825	128.3717	0	NIVEL
2073	38.4245	90.3246	136.164	1076487.72	1408209.471	123.906	1.7	BORDE RIO
2074	37.285	90.0028	137.8553	1076486.447	1408212.624	124.3857	2.5	PATA
2075	38.1254	90.0049	150.9406	1076495.932	1408221.826	125.1682	1.7	NIVEL
2076	40.2124	89.5731	157.4349	1076504.503	1408223.208	125.3181	1.7	PATA
2077	41.145	89.4835	167.1914	1076512.785	1408228.948	127.4603	0	CORONA
2078	41.3042	90.2443	157.8576	1076507.179	1408221.443	124.0691	1.7	CORONA
2079	35.0721	89.5714	113.4827	1076467.862	1408196.037	125.295	1.7	D153 - D154
2080	215.072	89.4515	113.4857	1076402.625	1408103.178	125.5329	1.7	D154 - D153
2081	83.0815	93.4515	19.3345	1076487.016	1408198.353	123.7791	1.7	LAMINA
2082	87.3324	94.3513	20.1917	1076487.971	1408196.906	123.4303	1.7	NIVEL
2083	88.292	93.5523	21.8125	1076489.616	1408196.623	123.5527	1.7	NIVEL
2084	94.5216	93.2446	23.0724	1076490.812	1408194.094	123.6716	1.7	NIVEL
2085	98.0844	93.0102	23.7071	1076491.3	1408192.696	123.7972	1.7	LAMINA
2086	98.17	91.3837	26.6576	1076494.233	1408192.213	124.2804	1.7	BORDE RIO
2087	65.3809	91.5424	42.3525	1076506.412	1408213.521	123.636	1.7	LAMINA
2088	107.5607	88.3655	32.0721	1076498.373	1408186.181	125.8201	1.7	NIVEL
2089	64.1804	92.0018	42.9018	1076506.486	1408214.652	123.5442	1.7	NIVEL
2090	111.441	85.0651	33.1974	1076498.594	1408183.805	127.8726	1.7	CORONA
2091	111.4409	87.1508	63.1494	1076526.468	1408172.711	128.0727	1.7	NIVEL
2092	61.2558	92.0927	43.4652	1076505.997	1408216.828	123.4088	1.7	NIVEL
2093	58.1822	91.4832	44.063	1076505.322	1408219.197	123.6543	1.7	LAMINA
2094	75.2842	91.0055	42.4969	1076508.989	1408206.715	124.292	1.7	NIVEL
2095	87.2407	90.272	46.6596	1076514.471	1408198.178	124.6741	1.7	NIVEL
2096	100.262	90.0245	52.4244	1076519.424	1408186.568	125.0034	1.7	NIVEL
2097	78.3648	90.4054	69.0729	1076535.563	1408209.711	124.2236	1.7	NIVEL
2098	106.3058	90.0659	61.0356	1076526.389	1408178.719	124.9211	1.7	NIVEL
2099	73.4445	91.0714	71.4115	1076536.395	1408216.06	123.6489	1.7	NIVEL
2100	69.5546	91.1319	74.3875	1076537.702	1408221.599	123.4591	1.7	LAMINA
2101	67.5354	91.2632	74.9796	1076537.294	1408224.279	123.1584	1.7	NIVEL
2102	67.3226	91.1213	75.0902	1076537.225	1408224.757	123.4679	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2103	113.3457	87.4759	61.4161	1076524.122	1408171.516	129.1033	0	CORONA
2104	131.0336	88.0518	70.689	1076521.16	1408149.661	128.9033	0.2	NIVEL
2105	66.1428	89.3209	75.397	1076536.85	1408226.452	127.1561	0.2	CORONA
2106	66.1427	89.3834	100.3956	1076559.724	1408236.537	127.3716	0	NIVEL
2107	93.2517	90.0237	68.4229	1076536.166	1408191.992	124.9931	1.7	NIVEL
2108	84.5725	90.1835	71.4255	1076539.007	1408202.356	124.6592	1.7	NIVEL
2109	79.2549	90.5155	77.4043	1076543.937	1408210.277	123.8766	1.7	NIVEL
2110	89.5447	90.2121	84.2667	1076552.127	1408196.213	124.5223	1.7	NIVEL
2111	88.1856	91.0147	88.6663	1076556.475	1408198.693	123.4521	1.7	NIVEL
2112	96.0649	90.1016	91.2864	1076558.635	1408186.367	124.7728	1.7	NIVEL
2113	88.1054	91.1202	89.7843	1076557.58	1408198.936	123.1644	1.7	NIVEL
2114	98.2133	89.4929	97.7965	1076564.628	1408181.874	125.0447	2	NIVEL
2115	100.0656	89.4926	97.8849	1076564.235	1408178.9	127.0464	0	CORONA
2116	87.21	91.0137	91.3256	1076559.073	1408200.311	122.9586	2.15	NIVEL
2117	86.1247	91.0335	93.1947	1076560.834	1408202.244	122.872	2.15	NIVEL
2118	86.0313	90.4105	93.5487	1076561.179	1408202.528	123.4775	2.15	LAMINA
2119	84.4942	89.0914	93.5736	1076561.04	1408204.524	125.9775	2.15	CORONA
2120	95.4029	90.233	97.0745	1076564.464	1408186.493	123.282	2.8	LAMINA
2121	94.5301	90.3607	98.4012	1076565.906	1408187.716	122.9117	2.8	NIVEL
2122	94.1351	90.3114	100.2169	1076567.806	1408188.7	123.0351	2.8	NIVEL
2123	93.07	90.2559	101.8954	1076569.607	1408190.555	123.1755	2.8	NIVEL
2124	90.5937	90.2432	103.9442	1076571.789	1408194.293	123.2038	2.8	NIVEL
2125	90.1733	90.1809	104.0954	1076571.955	1408195.565	123.3963	2.8	LAMINA
2126	88.2009	90.0037	107.12	1076574.935	1408199.209	123.9265	2.8	NIVEL
2127	86.3655	89.4519	106.7771	1076574.449	1408202.401	127.2018	0	CORONA
2128	73.273	89.3926	109.6657	1076572.97	1408227.319	127.4018	0	NIVEL
2129	62.5052	89.3801	117.8689	1076572.709	1408249.886	127.4995	0	NIVEL
2130	349.5811	90.3557	12.505	1076465.678	1408208.349	124.9142	1.7	NIVEL
2131	346.4859	90.4209	30.9034	1076460.798	1408226.12	124.6661	1.7	NIVEL
2132	348.1056	90.1432	47.0576	1076458.199	1408242.091	124.8462	1.7	NIVEL
2133	334.1521	88.3757	53.16	1076444.752	1408243.894	128.0139	0	CORONA
2134	357.0054	88.2835	55.2406	1076464.956	1408251.182	128.2139	0	NIVEL
2135	348.1037	90.2933	65.817	1076454.341	1408260.448	124.4794	1.7	NIVEL
2136	350.2034	88.1455	113.8724	1076448.366	1408308.708	128.2262	2	D154 - D73
2202	19.4736	89.5118	122.806	1077419.018	1405982.373	145.07	1.7	GPS 1 - GPS 2
2203	145.3642	101.2724	20.135	1077388.652	1405850.52	140.759	1.7	GPS 1 - D1
2204	117.4817	91.0942	31.87	1077405.691	1405851.952	144.112	1.7	CORONA
2205	142.1513	92.0154	23.209	1077391.707	1405848.467	143.935	1.7	NIVEL
2206	167.4304	91.5138	21.346	1077382.048	1405845.956	144.065	1.7	NIVEL
2207	193.0443	93.0926	24.835	1077371.901	1405842.642	143.39	1.7	NIVEL
2208	209.1621	91.5103	31.51	1077362.115	1405839.318	143.74	1.7	NIVEL
2209	211.2026	96.3455	25.948	1077364.104	1405844.775	141.784	1.7	NIVEL
2210	188.5001	97.1754	20.832	1077374.337	1405846.379	142.112	1.7	NIVEL
2211	192.5606	101.4354	19.678	1077373.196	1405848.019	140.757	1.7	NIVEL
2212	192.4012	104.2834	19.561	1077373.355	1405848.319	139.868	1.7	LAMINA
2213	194.0147	110.0751	14.116	1077374.292	1405853.939	139.9	1.7	LAMINA
2214	191.4511	106.2006	19.053	1077373.784	1405848.896	139.399	1.7	NIVEL
2215	193.1205	110.4108	14.846	1077374.334	1405853.275	139.514	1.7	NIVEL
2216	191.1935	108.0254	17.718	1077374.198	1405850.279	139.269	1.7	NIVEL
2217	191.3116	109.3135	15.916	1077374.51	1405852.098	139.438	1.7	NIVEL
2218	198.1833	110.293	13.309	1077373.589	1405854.961	140.099	1.7	PATA
2219	160.0913	103.1816	18.031	1077383.464	1405850.297	140.609	1.7	NIVEL
2220	160.0822	104.5203	17.426	1077383.229	1405850.961	140.287	1.7	NIVEL
2221	169.593	112.4229	11.106	1077379.284	1405856.711	140.471	1.7	PATA
2222	160.1641	106.2102	17.39	1077383.138	1405851.094	139.862	1.7	LAMINA
2223	168.5546	112.303	12.681	1077379.755	1405855.303	139.903	1.7	CORONA
2224	169.1012	112.4132	13.137	1077379.782	1405854.896	139.69	1.7	NIVEL
2225	160.1102	108.3357	16.81	1077382.909	1405851.81	139.406	1.7	NIVEL
2226	168.2105	111.3847	14.243	1077380.178	1405853.835	139.504	1.7	NIVEL
2227	159.5553	110.1951	16.011	1077382.658	1405852.7	139.195	1.7	NIVEL
2228	166.3535	88.445	29.211	1077384.285	1405838.395	145.397	1.7	NIVEL
2229	164.0423	89.2306	47.884	1077390.663	1405820.764	145.272	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2230	154.3135	89.441	49.971	1077399.016	1405821.698	144.988	1.7	NIVEL
2231	141.4945	90.0828	46.495	1077406.253	1405830.262	145.344	1	NIVEL
2232	141.1202	90.1737	31.355	1077397.159	1405842.374	145.297	1	NIVEL
2233	119.1349	98.2132	13.686	1077389.319	1405860.194	142.768	1.7	NIVEL
2234	117.4947	90.3348	36.727	1077409.986	1405849.672	145.097	1	NIVEL
2235	117.5812	90.1308	47.547	1077419.504	1405844.523	145.277	1	NIVEL
2236	206.4535	88.5	55.242	1077352.659	1405817.47	147.383	0.2	CULATA
2237	210.2618	87.3325	49.087	1077352.676	1405824.502	147.051	1.5	CULATA
2238	215.5835	88.4656	52.337	1077346.783	1405824.437	147.07	0.5	CULATA
2239	241.5613	88.074	46.525	1077336.477	1405844.9	146.278	1.7	CORONA
2240	235.3538	88.211	45.754	1077377.498	1405866.799	146.073	1.7	D1 -DGPS 1
2240	325.3652	77.0156	20.25	1077339.779	1405840.935	145.017	1.7	NIVEL
2241	325.1529	93.5132	7.349	1077384.47	1405856.543	139.978	1.7	NIVEL
2242	324.3421	94.5952	6.97	1077384.624	1405856.176	139.866	1.7	LAMINA
2243	320.2142	98.1049	6.239	1077384.71	1405855.274	139.585	1.7	NIVEL
2244	316.3305	100.3607	5.439	1077384.973	1405854.399	139.472	1.7	NIVEL
2245	311.5628	103.5542	4.671	1077385.279	1405853.548	139.349	1.7	NIVEL
2246	7.1343	93.4224	6.768	1077389.498	1405857.221	140.035	1.7	PATA
2247	12.4617	96.0714	5.519	1077389.862	1405855.872	139.885	1.7	LAMINA
2248	17.4334	102.2058	4.662	1077390.037	1405854.859	139.476	1.7	NIVEL
2249	22.073	106.0749	4.121	1077390.141	1405854.188	139.328	1.7	NIVEL
2250	27.4137	109.5343	3.121	1077390.015	1405853.12	139.411	1.7	NIVEL
2251	34.3127	102.5421	2.661	1077390.121	1405852.658	139.879	1.7	LAMINA
2252	36.5555	92.3714	9.074	1077394.095	1405857.769	140.058	1.7	PATA
2253	300.001	101.0114	3.151	1077385.972	1405852.066	139.871	1.7	LAMINA
2254	254.3457	81.453	2.362	1077386.399	1405849.897	140.812	1.7	PATA
2255	83.5301	86.3028	3.471	1077392.097	1405850.891	140.684	1.7	NIVEL
2256	47.2502	93.4905	8.872	1077395.167	1405856.514	139.882	1.7	LAMINA
2257	54.2758	95.5647	8.428	1077395.471	1405855.396	139.6	1.7	NIVEL
2258	59.013	98.1207	8.082	1077395.509	1405854.641	139.32	1.7	NIVEL
2259	64.032	98.5225	7.785	1077395.566	1405853.889	139.272	1.7	NIVEL
2260	69.3844	97.0659	7.745	1077395.856	1405853.197	139.514	1.7	NIVEL
2261	70.4331	94.2953	7.678	1077395.876	1405853.051	139.871	1.7	LAMINA
2262	74.3308	91.5419	7.405	1077395.784	1405852.495	140.227	1.7	NIVEL
2263	77.4937	87.5104	7.231	1077395.714	1405852.048	140.744	1.7	NIVEL
2264	85.2225	85.4709	7.529	1077396.136	1405851.131	141.026	1.7	PATA
2265	72.2451	90.1501	14.045	1077402.039	1405854.771	140.412	1.7	PATA
2266	71.3802	92.2943	13.912	1077401.841	1405854.907	139.867	1.7	LAMINA
2267	69.264	93.5929	13.938	1077401.669	1405855.41	139.503	1.7	NIVEL
2268	66.0915	94.4154	13.194	1077400.676	1405855.843	139.392	1.7	NIVEL
2269	62.4746	94.3518	13.116	1077400.276	1405856.504	139.424	1.7	NIVEL
2270	57.045	93.5442	13.238	1077399.734	1405857.704	139.57	1.7	NIVEL
2271	54.1926	93.4504	13.64	1077399.705	1405858.465	139.581	1.7	NIVEL
2272	52.5115	92.3841	13.505	1077399.401	1405858.672	139.85	1.7	LAMINA
2273	51.2711	91.3708	13.607	1077399.284	1405859.002	140.089	1.7	BORDE RIO
2274	52.5704	91.053	31.714	1077413.948	1405869.639	139.869	1.7	LAMINA
2275	53.2247	91.2222	31.751	1077414.119	1405869.47	139.712	1.7	NIVEL
2276	55.4028	91.343	31.986	1077415.048	1405868.565	139.594	1.7	NIVEL
2277	57.4245	91.4327	32.095	1077415.763	1405867.672	139.507	1.7	NIVEL
2278	59.4433	91.3958	32.615	1077416.803	1405866.963	139.525	1.7	NIVEL
2279	60.0242	91.0205	32.601	1077416.884	1405866.812	139.884	1.7	LAMINA
2280	60.2814	90.4141	32.79	1077417.171	1405866.697	140.075	1.7	BORDE RIO
2281	61.5337	90.0818	33.081	1077417.823	1405866.122	140.393	1.7	PATA
2282	60.271	90.0543	49.173	1077431.417	1405874.794	140.391	1.7	PATA
2283	58.0352	90.2941	48.477	1077429.776	1405876.186	140.055	1.7	NIVEL
2284	57.1802	90.4205	48.578	1077429.513	1405876.785	139.878	1.7	LAMINA
2285	56.3006	90.5651	48.473	1077429.053	1405877.292	139.672	1.7	NIVEL
2286	55.1054	91.1854	48.226	1077428.219	1405878.072	139.366	1.7	NIVEL
2287	53.4539	91.2244	47.865	1077427.231	1405878.83	139.321	1.7	NIVEL
2288	43.4528	83.4122	38.405	1077415.037	1405878.106	144.895	1.5	CORONA
2289	42.5228	84.3207	45.846	1077419.684	1405883.983	145.039	1.5	NIVEL
2290	41.2924	80.0219	14.979	1077398.42	1405861.577	143.064	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2291	66.2724	85.4602	42.31	1077427.326	1405867.397	143.596	1.7	CORONA
2292	265.0959	82.5757	54.447	1077334.81	1405845.937	147.141	1.7	CORONA
2293	275.5532	83.3258	59.948	1077329.398	1405856.637	147.158	1.75	CORONA
2294	276.0603	90.0803	49.122	1077339.819	1405855.73	140.358	1.7	D1 - D2
2295	96.0605	89.0218	49.108	1077339.805	1405855.714	140.646	1.9	D2 - D1
2296	121.4923	90.1102	18.934	1077388.631	1405850.522	139.961	1.7	BORDE RIO
2297	121.1223	91.2254	18.785	1077355.898	1405845.739	139.569	1.7	LAMINA
2298	120.5132	92.2204	16.002	1077355.874	1405845.993	139.361	1.7	NIVEL
2299	116.0517	92.5946	11.572	1077353.535	1405847.52	139.417	1.7	NIVEL
2300	95.3215	93.3159	8	1077350.187	1405850.638	139.529	1.7	NIVEL
2301	93.4132	93.2808	7.557	1077347.754	1405854.947	139.565	1.7	LAMINA
2302	117.5345	97.1839	8.098	1077347.333	1405855.232	138.992	1.7	NIVEL
2303	125.4345	99.3618	7.531	1077346.906	1405851.96	138.765	1.7	NIVEL
2304	131.155	99.3637	7.28	1077345.836	1405851.381	138.807	1.7	NIVEL
2305	157.1142	91.2735	9.918	1077345.203	1405850.983	139.769	1.7	BORDE RIO
2306	157.1	92.3921	9.622	1077343.654	1405846.577	139.576	1.7	LAMINA
2307	157.0305	95.3446	8.594	1077343.54	1405846.857	139.186	1.7	NIVEL
2308	152.3855	96.4916	7.96	1077343.145	1405847.84	139.077	1.7	NIVEL
2309	23.2304	91.0737	1.716	1077343.44	1405848.696	139.988	1.7	BORDE RIO
2310	36.0554	104.55	1.753	1077340.485	1405857.289	139.571	1.7	LAMINA
2311	51.4732	110.4444	2.191	1077340.803	1405857.082	139.246	1.7	NIVEL
2312	63.1056	103.4811	3.925	1077341.415	1405856.982	139.086	1.7	NIVEL
2313	57.0338	100.452	5.228	1077343.205	1405857.435	139.046	1.7	NIVEL
2314	61.2558	96.4708	6.402	1077344.114	1405858.509	139.266	1.7	NIVEL
2315	70.1357	93.4238	7.117	1077345.387	1405858.757	139.561	1.7	LAMINA
2316	70.5059	88.5554	9.98	1077346.488	1405858.119	140.208	1.7	PATA
2317	38.5651	91.1343	35.661	1077349.229	1405858.992	139.257	1.7	D2 - D3
2318	45.2048	89.0651	16.366	1077362.202	1405883.454	140.275	1.7	BORDE RIO
2319	20.4436	89.0727	19.606	1077351.44	1405867.221	140.322	1.7	BORDE RIO
2320	21.5956	91.2429	19.642	1077346.738	1405874.051	139.539	1.7	LAMINA
2321	43.0804	91.5002	16.394	1077347.15	1405873.924	139.497	1.7	NIVEL
2322	23.2706	92.1555	19.484	1077351.002	1405867.677	139.252	1.7	NIVEL
2323	40.4958	91.5452	16.683	1077347.543	1405873.579	139.465	1.7	NIVEL
2324	33.5056	91.334	15.894	1077350.7	1405868.336	139.589	1.7	NIVEL
2325	27.2636	89.2406	32.339	1077348.648	1405868.914	140.36	1.7	PATA
2326	33.1105	90.2744	31.539	1077354.692	1405884.42	139.768	1.7	NIVEL
2327	29.5459	91.0023	22.747	1077357.052	1405882.118	139.623	1.7	NIVEL
2328	36.0202	90.5158	31.015	1077351.137	1405875.433	139.553	1.7	NIVEL
2329	38.181	91.3035	22.873	1077358.034	1405880.802	139.419	1.7	NIVEL
2330	40.5843	92.1146	22.987	1077353.967	1405873.666	139.141	1.7	NIVEL
2331	37.5918	91.2255	30.779	1077354.858	1405873.063	139.28	1.7	LAMINA
2332	43.1158	91.2836	23.408	1077358.731	1405879.975	139.419	1.7	NIVEL
2333	41.1745	91.4149	30.528	1077355.814	1405872.781	139.118	1.7	NIVEL
2334	42.3806	91.2907	30.196	1077359.93	1405878.651	139.239	1.7	LAMINA
2335	44.2555	89.5	23.335	1077360.239	1405877.933	140.09	1.7	PATA
2336	43.4451	91.3121	30.426	1077356.132	1405872.386	139.214	1.7	PATA
2337	81.5354	78.5722	16.471	1077360.825	1405877.698	143.177	1.7	CORONA
2338	68.4937	78.0746	14.384	1077355.809	1405858.001	142.981	1.7	NIVEL
2339	52.4512	83.0133	24.378	1077352.928	1405860.805	142.982	1.7	NIVEL
2340	13.4017	83.0509	18.601	1077359.059	1405870.37	143.961	0	NIVEL
2341	21.5032	87.1739	30.748	1077344.159	1405873.659	143.174	0	CORONA
2342	40.382	86.2357	43.208	1077351.216	1405884.228	144.436	0	CORONA
2343	39.3659	90.2908	40.387	1077367.873	1405888.453	139.68	1.7	PATA
2344	39.252	91.0558	39.845	1077365.54	1405886.838	139.258	1.7	LAMINA
2345	39.1716	91.5805	39.61	1077365.086	1405886.502	138.662	1.7	NIVEL
2346	38.3925	92.4734	38.91	1077364.855	1405886.367	138.126	1.7	NIVEL
2347	36.4251	92.2824	37.983	1077364.065	1405886.076	138.383	1.7	NIVEL
2348	35.4012	91.1523	35.499	1077362.474	1405886.147	139.244	1.7	LAMINA
2294	218.5651	87.365	35.663	1077360.484	1405884.557	140.359	1.7	D3 - D2
2350	23.3827	69.2402	15.431	1077367.986	1405896.691	144.303	1.7	CORONA
2351	2.4419	77.4527	22.503	1077363.24	1405905.421	143.646	1.7	NIVEL
2352	351.1739	81.5753	30.142	1077357.667	1405912.954	143.087	1.7	CORONA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2353	345.4746	85.1434	31.617	1077354.453	1405913.995	141.496	1.7	ARBOL
2354	343.1854	89.102	32.69	1077352.799	1405914.759	139.346	1.7	NIVEL
2355	343.0245	89.2121	33.142	1077352.52	1405915.149	139.247	1.7	LAMINA
2356	337.0157	87.1827	7.602	1077359.235	1405890.444	139.231	1.7	LAMINA
2357	323.1649	87.5005	8.162	1077357.321	1405889.99	139.182	1.7	PATA
2358	341.5649	89.3457	33.317	1077351.859	1405915.125	139.117	1.7	NIVEL
2359	349.4948	93.4243	7.493	1077360.877	1405890.814	138.389	1.7	NIVEL
2360	358.0026	95.3707	7.931	1077361.923	1405891.343	138.097	1.7	NIVEL
2361	338.333	89.5505	32.697	1077350.232	1405913.882	138.921	1.7	NIVEL
2362	337.4358	90.0406	32.273	1077349.956	1405913.314	138.836	1.7	NIVEL
2363	5.1735	93.1715	7.648	1077362.901	1405891.058	138.435	1.7	NIVEL
2364	335.5032	89.591	31.778	1077349.18	1405912.442	138.882	1.7	NIVEL
2365	5.4906	87.1622	7.806	1077362.987	1405891.212	139.245	1.7	LAMINA
2366	7.1932	85.4429	10.223	1077363.496	1405893.567	139.633	1.7	BORDE RIO
2367	334.5446	89.2232	30.893	1077349.088	1405911.424	139.211	1.7	LAMINA
2368	334.082	88.1559	30.907	1077348.711	1405911.246	139.809	1.7	BORDE RIO
2369	281.1711	72.2716	13.164	1077349.891	1405885.904	142.843	1.7	CORONA
2370	313.4356	74.3739	14.822	1077351.869	1405893.328	142.803	1.7	CORONA
2371	340.0233	88.3007	78.237	1077335.465	1405956.952	140.92	1.7	D3 - D4
2372	341.1124	88.1425	56.133	1077344.081	1405936.554	140.598	1.7	CORONA
2373	340.3503	89.3921	54.441	1077344.075	1405934.788	139.201	1.7	LAMINA
2374	339.5634	89.4325	54.165	1077343.597	1405934.324	139.135	1.7	NIVEL
2375	339.0236	89.4324	53.84	1077342.917	1405933.721	139.134	1.7	NIVEL
2376	336.2811	89.3619	54.483	1077340.422	1405933.394	139.25	1.7	NIVEL
2377	334.533	89.3903	54.322	1077339.124	1405932.629	139.205	1.7	NIVEL
2378	334.0945	89.0759	54.312	1077338.506	1405932.318	139.696	1.7	BORDE RIO
2379	277.1124	75.2603	24.842	1077338.346	1405886.45	145.122	1.7	D3 - D AUX-1
2380	97.1121	102.5912	24.652	1077362.18	1405883.457	139.25	1.7	D AUX-1 - D3
2381	23.4501	95.143	18.014	1077345.562	1405902.873	143.144	1.7	CORONA
2382	177.0844	81.1054	7.434	1077338.716	1405879.113	145.93	1.7	ARBOL - CORON
2383	257.0254	86.4143	9.72	1077328.891	1405884.269	145.35	1.7	ARBOL - CORONA
2384	238.0915	87.0828	19.175	1077322.084	1405876.336	145.746	1.7	NIVEL
2385	240.2042	86.2313	29.347	1077312.902	1405871.944	146.639	1.7	NIVEL
2386	224.1348	86.1154	32.75	1077315.565	1405863.021	146.962	1.7	NIVEL
2387	200.4705	85.4558	30.66	1077327.512	1405857.858	147.054	1.7	NIVEL
2388	203.3524	86.5303	43.529	1077289.52	1405799.558	147.156	1.7	NIVEL
2389	206.1309	87.3927	53.673	1077218.73	1405836.516	146.984	1.7	NIVEL
2390	214.4607	87.1947	48.885	1077223.465	1405908.943	147.068	1.7	NIVEL
2391	5.2937	93.4826	19.356	1077340.184	1405905.675	143.505	1.7	CORONA
2392	2.4408	91.542	12.042	1077338.913	1405898.472	144.39	1.7	NIVEL
2393	335.583	90.2651	13.653	1077362.2	1405883.459	144.683	1.7	D4 - D3
2393	160.0232	91.0047	78.217	1077332.781	1405898.917	139.248	1.7	NIVEL
2394	199.1954	82.4044	14.963	1077330.56	1405942.945	142.537	1.7	CORONA
2395	218.2914	81.4914	9.839	1077329.408	1405949.326	142.03	1.7	NIVEL
2396	247.4519	66.442	8.819	1077327.968	1405953.881	144.113	1.7	NIVEL
2397	19.2227	59.1732	6.63	1077337.353	1405962.331	144.016	1.7	NIVEL
2398	49.2529	87.5219	15.898	1077347.526	1405967.292	141.22	1.7	CORONA
2399	62.0448	92.3344	11.685	1077345.777	1405962.424	140.108	1.7	BORDE RIO
2400	64.0324	97.5644	12.09	1077346.23	1405962.197	138.959	1.7	LAMINA
2401	66.5614	99.2153	11.883	1077346.25	1405961.551	138.696	1.7	NIVEL
2402	72.3628	99.1936	12.806	1077347.522	1405960.736	138.555	1.7	NIVEL
2403	79.4512	98.2438	13.954	1077349.048	1405959.416	138.589	1.7	NIVEL
2404	85.44	97.3254	14.518	1077349.816	1405958.031	138.723	1.7	NIVEL
2405	85.5948	96.3704	14.666	1077349.997	1405957.977	138.94	1.7	LAMINA
2406	87.1644	93.5622	14.98	1077350.391	1405957.67	139.601	1.7	BORDE RIO
2407	94.2533	84.4321	19.009	1077354.338	1405955.502	142.378	1.7	CORONA
2408	146.49	85.1234	20.772	1077346.804	1405939.635	143.565	0.5	NIVEL
2409	139.0622	81.2513	14.19	1077344.657	1405946.351	142.747	1.7	CORONA
2410	63.584	91.2442	27.215	1077359.907	1405968.902	139.96	1.7	D4 - D5
2411	208.1512	104.5004	6.592	1077332.451	1405951.337	138.942	1.7	LAMINA
2412	204.3202	107.0123	6.809	1077332.764	1405951.028	138.637	1.7	NIVEL
2413	193.1155	111.5015	7.161	1077333.951	1405950.48	137.966	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2414	83.1104	107.2941	5.037	1077340.235	1405957.525	139.116	1.7	BORDE RIO
2415	113.4146	99.0349	9.915	1077344.433	1405953.022	139.068	1.7	BORDE RIO
2416	112.2558	100.3936	9.223	1077343.845	1405953.498	138.924	1.7	LAMINA
2417	88.5449	109.0456	5.19	1077340.369	1405957.048	138.933	1.7	LAMINA
2418	92.5245	112.0924	5.652	1077340.693	1405956.692	138.499	1.7	NIVEL
2419	108.2344	105.2638	8.397	1077343.146	1405954.403	138.394	1.7	NIVEL
2420	103.4337	113.2308	6.384	1077341.158	1405955.565	138.096	1.7	NIVEL
2421	112.1333	112.0537	6.841	1077341.333	1405954.558	138.057	1.7	NIVEL
2422	147.1217	100.3259	9.384	1077340.466	1405949.2	138.912	1.7	LAMINA
2423	148.5927	102.27	8.955	1077339.974	1405949.46	138.699	1.7	NIVEL
2424	159.1816	109.2403	7.707	1077338.038	1405950.154	138.07	1.7	NIVEL
2425	172.4531	113.5643	7.089	1077336.286	1405950.526	137.753	1.7	NIVEL
2426	243.5842	87.1126	27.249	1077335.457	1405956.948	140.927	1.7	D5 - D4
2427	298.301	89.4832	8.862	1077352.117	1405973.127	139.621	1.7	BORDE RIO
2428	311.0342	93.2428	6.152	1077355.275	1405972.933	139.225	1.7	NIVEL
2429	340.0423	99.1555	4.056	1077358.541	1405972.664	138.938	1.7	LAMINA
2430	347.5933	102.3841	3.822	1077359.129	1405972.549	138.754	1.7	NIVEL
2431	356.5214	105.425	3.735	1077359.709	1405972.492	138.579	1.7	NIVEL
2432	4.4716	104.5343	3.567	1077360.193	1405972.337	138.674	1.7	NIVEL
2433	9.0819	101.2946	3.502	1077360.45	1405972.29	138.893	1.7	LAMINA
2434	12.1053	91.4648	3.521	1077360.648	1405972.343	139.482	1.7	BORDE RIO
2435	350.3347	91.0432	14.363	1077357.545	1405983.067	139.321	1.7	NIVEL
2436	326.4037	88.5511	15.837	1077351.202	1405982.127	139.89	1.7	BORDE RIO
2437	336.1504	92.3052	15.092	1077353.827	1405982.7	138.929	1.7	LAMINA
2438	349.2337	92.3402	14.302	1077357.269	1405982.944	138.95	1.7	LAMINA
2439	332.2932	91.553	15.511	1077352.739	1405982.648	139.07	1.7	NIVEL
2440	346.5711	94.1403	14.136	1077356.717	1405982.633	138.547	1.7	NIVEL
2441	342.2838	94.3955	14.449	1077355.563	1405982.633	138.416	1.7	NIVEL
2442	338.0644	93.0921	15.238	1077354.227	1405983.017	138.752	1.7	NIVEL
2443	354.4658	82.5312	21.332	1077357.97	1405989.981	142.233	1.7	ARBOL
2444	329.5459	90.0631	19.465	1077350.141	1405985.74	139.554	1.7	BORDE RIO
2445	352.5644	91.3823	21.162	1077357.297	1405989.894	138.986	1.7	LAMINA
2446	331.3002	91.5559	19.555	1077350.572	1405986.073	138.931	1.7	LAMINA
2447	332.2639	93.3522	20.125	1077350.605	1405986.704	138.331	1.7	NIVEL
2448	350.0747	93.1841	21.672	1077356.186	1405990.215	138.339	1.7	NIVEL
2449	349.1755	93.3836	22.093	1077355.801	1405990.564	138.187	1.7	NIVEL
2450	340.2509	95.0741	20.947	1077352.904	1405988.555	137.719	1.7	NIVEL
2451	342.5406	95.0745	20.917	1077353.771	1405988.811	137.721	1.7	NIVEL
2452	267.3058	76.3008	15.565	1077344.787	1405968.238	143.224	1.7	CORONA
2453	312.3421	78.1026	13.796	1077349.958	1405978.031	142.418	1.7	NIVEL
2454	316.4747	81.101	19.2	1077346.91	1405982.725	142.539	1.7	NIVEL
2455	312.042	83.39	22.048	1077343.633	1405983.576	142.03	1.7	NIVEL
2456	82.1715	65.055	7.981	1077367.08	1405969.877	142.952	1.7	NIVEL
2457	17.2725	74.1802	16.043	1077364.532	1405983.638	143.932	1.7	NIVEL
2458	343.2534	82.3513	34.322	1077350.18	1406001.518	144.019	1.7	CORONA
2459	303.2502	80.4915	20.081	1077343.354	1405979.811	142.794	1.7	D5 - D6
2460	349.5053	80.2945	36.444	1077353.552	1406004.279	144.509	2.8	CORONA
2461	346.5016	87.5445	31.877	1077352.636	1405999.917	140.752	1.7	BORDE RIO
2462	340.4947	91.1922	28.836	1077350.425	1405996.127	138.925	1.7	LAMINA
2463	340.5519	91.5744	28.06	1077350.726	1405995.4	138.63	1.7	NIVEL
2464	340.1008	93.3041	26.849	1077350.802	1405994.107	137.947	1.7	NIVEL
2465	329.1735	90.0751	30.433	1077344.352	1405995.059	139.522	1.7	BORDE RIO
2466	329.3245	91.1643	28.734	1077345.333	1405993.658	138.95	1.7	LAMINA
2467	329.4958	92.4851	28.143	1077345.767	1405993.196	138.209	1.7	NIVEL
2468	329.4018	93.3107	26.98	1077346.296	1405992.138	137.935	1.7	NIVEL
2469	123.2506	97.2244	19.989	1077359.906	1405968.902	139.97	1.7	D6 - D5
2470	256.5458	93.3035	7.467	1077336.095	1405978.12	142.08	1.7	CORONA
2471	224.0806	90.0006	19.381	1077329.866	1405965.894	142.537	1.7	CORONA
2472	239.4009	96.5923	17.145	1077328.671	1405971.208	139.351	2.8	PATA
2473	240.3428	98.0119	17.556	1077328.218	1405971.261	138.987	2.8	LAMINA
2474	243.5931	96.1024	17.823	1077327.433	1405972.032	138.42	3.9	NIVEL
2475	249.2447	97.4204	18.209	1077326.466	1405973.456	137.897	3.9	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2476	261.5058	91.0315	44.865	1077298.953	1405973.426	141.912	1.5	D6 - D7
2477	259.4305	101.1627	10.262	1077333.452	1405978.009	139.431	2.8	PATA
2478	261.4427	102.3407	11.354	1077332.388	1405978.212	138.966	2.8	LAMINA
2479	265.5704	101.5903	12.435	1077331.221	1405978.945	138.855	2.8	NIVEL
2480	321.2818	111.1404	7.619	1077338.927	1405985.364	139.178	2.3	PATA
2481	321.374	110.5344	8.673	1077338.32	1405986.16	138.844	2.3	LAMINA
2482	321.3945	110.2455	9.419	1077337.875	1405986.732	138.652	2.3	NIVEL
2483	320.3724	110.2157	10.453	1077337.133	1405987.382	138.299	2.3	NIVEL
2484	2.1711	112.3841	7.915	1077343.641	1405987.11	139.489	1.7	PATA
2485	1.1338	110.2638	10.314	1077343.555	1405989.473	138.935	1.7	LAMINA
2486	0.2602	110.4828	11.065	1077343.426	1405990.154	138.606	1.7	NIVEL
2487	359.1027	110.4123	12.288	1077343.181	1405991.305	138.196	1.7	NIVEL
2488	352.2706	101.3937	14.975	1077341.419	1405994.349	139.51	1.7	BORDE RIO
2489	352.321	104.1445	14.611	1077341.506	1405993.852	138.942	1.7	LAMINA
2490	352.2057	106.0247	14.047	1077341.549	1405993.19	138.654	1.7	NIVEL
2491	352.4048	109.2758	13.15	1077341.767	1405992.107	138.155	1.7	NIVEL
2492	273.0836	91.0611	20.402	1077322.986	1405980.918	142.144	1.7	CORONA
2493	273.4022	101.2954	16.763	1077326.96	1405980.853	139.195	1.7	PATA
2494	322.3537	94.3008	14.701	1077334.444	1405991.448	141.383	1.7	CORONA
2495	272.5238	99.3619	16.511	1077327.094	1405980.618	138.882	2.6	CORONA
2496	269.4948	100.4651	16.114	1077327.524	1405979.755	138.623	2.6	NIVEL
2497	264.4431	101.2301	15.812	1077327.919	1405978.381	138.516	2.6	NIVEL
2498	81.5108	88.2958	44.888	1077343.369	1405979.811	142.78	1.7	D7 - D6
2499	68.075	88.4927	15.634	1077313.454	1405979.256	141.925	1.7	CORONA
2500	110.5702	85.4035	34.534	1077331.119	1405961.131	144.208	1.7	NIVEL
2501	115.3401	84.4952	29.993	1077325.906	1405960.55	144.306	1.7	NIVEL
2502	35.5842	87.4857	15.216	1077307.879	1405985.736	142.184	1.7	CORONA
2503	157.1857	80.1429	10.896	1077303.099	1405963.521	144.151	1	NIVEL
2504	12.3002	88.0404	27.753	1077304.941	1406000.509	142.54	1.7	NIVEL
2505	241.0335	69.3315	4.91	1077294.927	1405971.197	143.319	1.7	NIVEL
2506	2.4018	90.31	28.407	1077300.26	1406001.801	141.348	1.7	NIVEL
2507	357.2506	91.2854	34.66	1077297.372	1406008.039	140.708	1.7	NIVEL
2508	354.4046	93.5946	36.396	1077295.565	1406009.575	139.068	1.7	PATA
2509	352.523	94.2342	36.779	1077294.384	1406009.81	138.786	1.7	NIVEL
2510	350.4607	94.2558	37.996	1077292.854	1406010.814	138.667	1.7	NIVEL
2511	348.02	94.2738	39.771	1077290.71	1406012.21	138.511	1.7	LAMINA
2512	347.2018	94.5408	40.717	1077290.038	1406013.002	138.125	1.7	NIVEL
2513	346.5536	94.1834	41.164	1077289.645	1406013.404	138.511	1.7	LAMINA
2514	345.5812	93.3221	41.654	1077288.851	1406013.754	139.033	1.7	BORDE RIO
2515	314.2339	88.212	10.205	1077291.66	1405980.557	141.897	1.7	CORONA
2516	329.3243	89.5659	20.136	1077288.737	1405990.778	141.622	1.7	NIVEL
2517	330.0726	89.5333	26.583	1077285.697	1405996.469	141.654	1.7	NIVEL
2518	323.4128	88.5438	36.714	1077277.2	1406002.993	143.602	0.4	NIVEL
2519	331.5433	88.1904	38.257	1077280.927	1406007.151	142.727	1.7	NIVEL
2520	343.4924	89.0711	44.167	1077286.625	1406015.832	142.283	1.7	CORONA
2521	338.0249	93.533	37.332	1077285.009	1406007.963	139.07	1.7	PATA
2522	355.1021	88.5349	49.277	1077294.779	1406022.516	143.053	1.2	CORONA
2523	337.1449	95.02	35.868	1077285.115	1406006.367	138.457	1.7	LAMINA
2524	341.5521	95.1518	33.839	1077288.478	1406005.453	138.505	1.7	LAMINA
2525	346.2159	94.5216	31.531	1077291.53	1406003.953	138.927	1.7	NIVEL
2526	355.2819	88.1125	56.191	1077294.487	1406029.411	143.479	1.6	NIVEL
2527	352.2902	94.5853	31.458	1077294.836	1406004.493	138.973	1.6	NIVEL
2528	354.1759	95.0049	31.651	1077295.803	1406004.798	138.838	1.7	NIVEL
2529	355.0524	94.392	31.159	1077296.277	1406004.366	139.075	1.7	BORDE RIO
2530	356.0435	89.0813	64.176	1077294.525	1406037.442	143.271	1	NIVEL
2531	10.0037	98.3358	18.131	1077302.06	1405991.083	138.903	1.7	LAMINA
2532	8.0846	99.1148	17.4	1077301.377	1405990.43	138.823	1.7	NIVEL
2533	3.5829	99.5111	14.995	1077299.968	1405988.165	139.038	1.7	NIVEL
2534	0.1617	102.1332	13.301	1077299.007	1405986.425	138.787	1.7	NIVEL
2535	355.4741	102.2954	12.406	1077298.058	1405985.504	138.919	1.7	LAMINA
2536	344.1357	102.5601	10.499	1077296.167	1405983.271	139.254	1.7	NIVEL
2537	340.3714	88.1304	57.626	1077279.81	1406027.749	143.396	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2538	54.1225	119.2057	5.461	1077302.812	1405976.212	138.928	1.7	LAMINA
2539	322.2813	88.0148	60.284	1077262.224	1406021.184	143.676	1.7	NIVEL
2540	51.5618	119.3213	6.205	1077303.202	1405976.756	138.545	1.7	NIVEL
2541	53.4817	119.1826	7.502	1077304.229	1405977.291	137.932	1.7	NIVEL
2542	322.0835	87.1412	47.264	1077269.959	1406010.683	143.883	1.7	NIVEL
2543	316.4335	87.1359	47.272	1077193.297	1406018.35	143.886	1.7	NIVEL
2544	120.2724	96.4436	12.532	1077309.684	1405967.123	140.132	1.7	BORDE RIO
2545	118.07	102.0635	12.765	1077309.964	1405967.55	138.926	1.7	LAMINA
2546	117.0354	105.0729	12.88	1077310.028	1405967.775	138.243	1.7	NIVEL
2547	109.5214	107.1346	13.027	1077310.657	1405969.203	137.745	1.7	NIVEL
2548	292.4844	87.1545	39.523	1077262.554	1405988.711	143.492	1.7	NIVEL
2549	288.5158	85.202	21.909	1077278.286	1405980.475	143.384	1.7	PARAMENTO
2550	271.5409	86.3056	21.531	1077277.473	1405974.127	144.213	0.4	PARAMENTO
2551	271.4538	84.001	25.521	1077273.582	1405974.191	144.27	1.7	PARAMENTO
2552	261.2144	84.3858	37.752	1077171.847	1405965.556	145.124	1.7	PARAMENTO
2553	254.1014	85.2758	21.483	1077278.353	1405967.572	144.002	1	PARAMENTO
2554	237.343	82.5553	24.601	1077278.352	1405960.323	144.631	1.7	PARAMENTO
2555	70.0642	97.4756	13.937	1077311.935	1405978.13	139.713	1.7	BORDE RIO
2556	79.3103	103.0902	11.761	1077310.213	1405975.516	138.928	1.7	LAMINA
2557	81.4558	105.1045	11.338	1077309.781	1405974.999	138.635	1.7	NIVEL
2558	80.4818	110.0346	10.096	1077308.313	1405974.946	138.141	1.7	NIVEL
2559	45.3257	86.5829	20.366	1077313.462	1405987.676	142.679	1.7	NIVEL
2560	36.0614	86.3803	29.514	1077316.3	1405997.24	143.337	1.7	NIVEL
2561	20.195	87.4513	34.087	1077310.768	1406005.371	143.04	1.6	NIVEL
2562	33.4525	88.3449	49.619	1077326.492	1406014.681	142.833	1.7	NIVEL
2563	33.4047	88.4756	56.48	1077330.24	1406020.433	142.788	1.7	NIVEL
2564	33.351	88.4728	55.488	1077329.614	1406019.657	142.775	1.7	D7 - D8
2565	213.3508	90.3431	55.48	1077298.952	1405973.424	141.923	1.7	D8 - D7
2566	306.425	87.4115	19.875	1077313.688	1406031.52	143.282	1.7	CORONA
2567	328.305	90.1141	20.211	1077319.049	1406036.886	142.411	1.7	NIVEL
2568	337.0538	90.2616	35.053	1077315.953	1406051.937	142.212	1.7	NIVEL
2569	326.4143	89.4934	41.956	1077306.556	1406054.709	142.607	1.7	NIVEL
2570	248.0244	90.5345	30.433	1077301.398	1406008.264	142.004	1.7	NIVEL
2571	316.534	89.2522	52.085	1077294.003	1406057.662	143.005	1.7	NIVEL
2572	316.5251	89.2522	52.123	1077293.968	1406057.682	142.005	2.7	NIVEL
2573	256.0512	91.0151	21.481	1077308.769	1406014.481	142.094	1.7	NIVEL
2574	262.0256	91.2409	17.141	1077312.645	1406017.277	142.06	1.7	NIVEL
2575	270.1339	92.5909	11.408	1077318.222	1406019.695	141.886	1.7	NIVEL
2576	353.5358	95.5957	2.896	1077329.307	1406022.521	142.177	1.7	NIVEL
2577	46.4934	81.3729	8.92	1077336.047	1406025.699	143.779	1.7	CORONA
2578	326.4814	89.3005	40.29	1077307.537	1406053.357	142.831	1.7	D8 - D9
2579	43.1634	83.0318	15.551	1077340.19	1406030.902	144.36	1.7	CORONA
2580	254.3525	91.5633	34.582	1077296.3	1406010.454	139.108	3.9	PATA
2581	271.4716	95.5414	33.703	1077296.106	1406020.684	136.813	3.9	NIVEL
2582	271.3309	96.0729	33.764	1077296.055	1406020.548	138.878	1.7	PATA
2583	271.2558	96.5404	33.32	1077296.546	1406020.465	138.477	1.7	LAMINA
2584	258.1451	92.2732	36.86	1077293.565	1406012.135	138.699	3.9	NIVEL
2585	260.4945	92.4101	37.72	1077292.421	1406013.631	138.514	3.9	LAMINA
2586	261.5133	93.2705	38.383	1077291.69	1406014.21	137.969	3.9	NIVEL
2587	271.0805	96.0639	31.93	1077297.872	1406020.268	138.181	2.6	NIVEL
2588	261.2831	92.3515	40.125	1077289.977	1406013.692	138.469	3.9	LAMINA
2589	268.2849	94.315	30.066	1077299.653	1406018.845	137.905	3.9	NIVEL
2590	267.2508	93.5938	29.726	1077299.991	1406018.305	138.21	3.9	NIVEL
2591	266.4907	93.3105	29.448	1077300.268	1406018.009	138.473	3.9	LAMINA
2592	269.0745	93.414	23.237	1077306.429	1406019.292	138.783	3.9	NIVEL
2593	274.2852	93.0713	15.872	1077313.814	1406020.886	139.416	3.9	NIVEL
2594	289.3911	98.5306	20.354	1077310.672	1406026.41	138.436	2.6	LAMINA
2595	277.0453	95.1826	19.547	1077310.298	1406022.045	138.472	3.9	LAMINA
2596	290.2026	100.4554	19.084	1077312.032	1406026.164	138.016	2.6	NIVEL
2597	277.423	95.2918	21.195	1077308.706	1406022.475	139.553	2.6	NIVEL
2598	289.5447	102.361	16.521	1077314.452	1406025.139	137.975	2.6	NIVEL
2599	289.3124	106.5717	12.194	1077318.619	1406023.549	138.024	2.6	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2600	288.1327	108.0207	10.104	1077320.487	1406022.657	138.452	2.6	LAMINA
2601	337.4123	100.1056	4.598	1077327.894	1406023.843	138.367	5	LAMINA
2602	334.2626	108.4139	5.365	1077327.42	1406024.24	137.461	5	NIVEL
2603	322.0026	101.244	15.501	1077320.255	1406031.627	138.513	2.6	LAMINA
2604	321.0818	106.47	15.041	1077320.572	1406030.865	137.237	2.6	NIVEL
2605	322.5129	109.2408	14.209	1077321.516	1406030.335	136.86	2.6	NIVEL
2606	310.0519	104.4808	14.261	1077319.061	1406028.53	137.937	2.6	NIVEL
2607	333.1223	109.4305	15.206	1077323.155	1406032.43	136.45	2.6	NIVEL
2608	333.1008	100.2637	16.928	1077322.092	1406034.508	138.512	2.6	LAMINA
2609	17.5135	99.3948	16.076	1077334.466	1406034.744	138.682	2.8	LAMINA
2610	339.4055	107.2933	16.625	1077324.1	1406034.523	136.583	2.6	NIVEL
2611	13.3644	102.0437	16.081	1077333.307	1406034.942	138.016	2.8	NIVEL
2612	10.3551	103.1611	16.182	1077332.503	1406035.14	137.666	2.8	NIVEL
2613	348.1843	104.3819	17.962	1077326.084	1406036.673	137.041	2.6	NIVEL
2614	355.25	103.4439	18.264	1077328.186	1406037.34	137.241	2.6	NIVEL
2615	1.0633	101.315	19.952	1077329.981	1406039.202	137.592	2.6	NIVEL
2616	6.0412	99.5624	23.006	1077331.998	1406042.191	138.509	1.7	LAMINA
2617	1.5108	95.1726	36.074	1077330.755	1406055.559	139.154	1.7	PATA
2618	359.2934	96.3045	35.001	1077329.287	1406054.431	138.51	1.7	LAMINA
2619	356.3722	97.1753	34.758	1077327.564	1406054.072	138.065	1.7	NIVEL
2620	350.0624	101.0043	22.171	1077325.863	1406041.094	138.245	1.7	NIVEL
2621	347.3025	100.0704	22.775	1077324.752	1406041.544	138.479	1.7	LAMINA
2622	352.295	98.0331	27.821	1077326.002	1406046.966	138.58	1.7	NIVEL
2623	354.5653	97.0512	33.89	1077326.634	1406053.156	138.299	1.7	NIVEL
2624	352.1112	96.5036	33.365	1077325.092	1406052.473	138.505	1.7	LAMINA
2625	349.2817	96.1651	33.718	1077323.472	1406052.604	138.791	1.7	BORDE RIO
2626	349.0816	95.3045	41.571	1077321.793	1406060.289	138.487	1.7	LAMINA
2627	350.044	95.3619	42.313	1077322.335	1406061.133	138.347	1.7	NIVEL
2628	351.0327	95.5255	43.174	1077322.914	1406062.078	138.056	1.7	NIVEL
2629	352.055	95.4101	43.948	1077323.577	1406062.97	138.128	1.7	NIVEL
2630	352.4952	95.3526	44.873	1077324.016	1406063.965	138.109	1.7	NIVEL
2631	353.0107	94.5942	45.33	1077324.1	1406064.477	138.533	1.7	NIVEL
2632	349.1733	96.4922	47.415	1077320.841	1406065.912	136.847	1.7	LAMINA
2633	348.3827	96.0525	46.625	1077320.458	1406065.106	137.533	1.7	LAMINA
2634	347.2041	95.5405	45.849	1077319.598	1406064.149	137.766	1.7	LAMINA
2635	347.1132	95.3556	44.45	1077319.783	1406062.788	138.144	1.7	NIVEL
2636	346.3646	95.1605	43.465	1077319.569	1406061.757	138.489	1.7	LAMINA
2637	146.4813	89.3807	40.288	1077329.613	1406019.658	142.78	1.7	D9 - D8
2638	145.5805	89.0142	48.496	1077334.697	1406013.189	143.345	1.7	NIVEL
2639	152.47	88.3907	51.802	1077331.248	1406007.317	143.742	1.7	NIVEL
2640	256.5805	89.1547	50.562	1077258.288	1406041.928	143.174	1.7	NIVEL
2641	262.4228	88.4618	32.219	1077275.589	1406049.25	143.214	1.7	NIVEL
2642	242.0915	88.5448	20.19	1077289.694	1406043.918	142.906	1.7	NIVEL
2643	214.3954	86.2811	10.668	1077301.486	1406044.596	143.18	1.7	NIVEL
2644	339.4759	90.3412	43.809	1077292.387	1406094.461	142.187	1.6	D9 - D10
2645	325.1729	96.0436	26.919	1077292.283	1406075.354	141.373	0	CORONA
2646	324.0105	98.5512	26.991	1077291.859	1406074.925	138.438	1.6	NIVEL
2647	323.484	99.2521	26.911	1077291.85	1406074.774	138.217	1.6	LAMINA
2648	323.2054	99.4954	26.614	1077291.871	1406074.387	138.079	1.6	NIVEL
2649	321.5134	100.051	25.403	1077292.08	1406073.02	138.174	1.6	NIVEL
2650	319.5009	100.1902	23.453	1077292.645	1406070.982	138.423	1.6	NIVEL
2651	317.5404	101.3144	22.011	1077293.069	1406069.351	138.224	1.6	NIVEL
2652	316.3418	102.2709	21.21	1077293.291	1406068.39	138.05	1.6	NIVEL
2653	314.5202	102.4415	20.145	1077293.603	1406067.211	138.181	1.6	LAMINA
2654	294.1757	100.1016	19.088	1077290.409	1406061.079	140.852	0	CORONA
2655	296.1712	102.3723	10.728	1077298.149	1406057.988	141.878	0	CORONA
2657	319.4832	106.5517	11.309	1077300.551	1406061.618	138.331	2.6	PATA
2658	326.4001	109.4228	12.423	1077301.105	1406063.125	138.334	1.7	NIVEL
2659	335.235	104.5317	14.656	1077301.633	1406066.232	138.757	1.7	NIVEL
2660	341.1839	103.2621	16.856	1077302.275	1406068.884	138.605	1.7	NIVEL
2661	346.3609	104.2031	16.285	1077303.872	1406068.703	138.489	1.7	LAMINA
2662	348.3309	104.431	16.895	1077304.285	1406069.371	138.23	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2663	349.2416	103.0211	18.978	1077304.127	1406071.529	138.242	1.7	NIVEL
2664	350.2429	101.4209	19.739	1077304.305	1406072.414	138.519	1.7	LAMINA
2665	352.1014	101.1356	19.868	1077304.871	1406072.662	138.653	1.7	PATA
2666	358.2247	93.1439	22.385	1077306.893	1406075.698	142.956	0	CORONA
2667	16.2802	89.412	23.732	1077314.251	1406076.119	142.652	1.7	CORONA
2668	15.3147	89.3815	26.394	1077314.589	1406078.791	142.69	1.7	NIVEL
2669	10.2809	97.1922	18.07	1077310.784	1406070.984	140.22	1.7	NIVEL
2670	7.4238	102.3434	16.621	1077309.704	1406069.434	138.904	1.7	NIVEL
2671	7.3531	104.0034	16.504	1077309.644	1406069.231	138.528	1.7	NIVEL
2672	6.5354	106.154	15.997	1077309.374	1406068.604	138.044	1.7	NIVEL
2673	4.0418	109.0228	14.207	1077308.484	1406066.754	137.888	1.7	NIVEL
2674	0.0521	108.5132	12.98	1077307.549	1406065.64	138.327	1.7	NIVEL
2675	359.233	109.0701	12.329	1077307.407	1406065.005	138.485	1.7	LAMINA
2676	355.2842	113.542	9.882	1077306.82	1406062.363	138.518	1.7	NIVEL
2677	320.1909	95.3751	36.677	1077284.215	1406081.435	138.924	1.7	LAMINA
2678	317.2319	96.5252	35.873	1077283.41	1406079.555	138.225	1.7	NIVEL
2679	315.1224	97.2616	35.796	1077282.515	1406078.532	137.889	1.7	NIVEL
2680	313.4525	97.2604	35.795	1077281.886	1406077.891	137.591	2	NIVEL
2681	312.3402	97.0001	35.387	1077281.656	1406077.103	138.21	1.7	LAMINA
2682	322.19	96.1046	42.137	1077281.909	1406086.497	137.887	1.8	LAMINA
2683	159.4757	88.5458	43.811	1077307.536	1406053.36	142.832	1.6	D10 - D9
2684	205.1856	95.4707	26.785	1077281.006	1406070.365	139.303	1.6	PATA
2685	204.4428	98.1259	25.164	1077281.976	1406071.835	138.307	1.7	LAMINA
2686	205.2754	97.1846	24.551	1077281.929	1406072.469	137.678	2.8	NIVEL
2687	207.4635	93.1046	26.96	1077279.855	1406070.637	142.108	0	CORONA
2688	220.0244	88.3338	30.646	1077272.689	1406070.997	143.873	0.5	NIVEL
2689	234.3445	87.0024	28.638	1077269.09	1406077.873	143.499	1.6	CORONA
2690	262.3301	87.2231	20.029	1077272.549	1406091.856	143.02	1.5	NIVEL
2691	308.3655	90.4442	19.065	1077277.485	1406106.349	141.655	1.7	CORONA
2692	243.4018	97.1106	20.977	1077273.738	1406085.219	139.279	1.7	NIVEL
2693	242.3736	100.1109	20.908	1077274.118	1406084.988	138.206	1.7	LAMINA
2694	241.3638	102.2845	20.515	1077274.771	1406084.927	137.47	1.7	NIVEL
2695	239.4956	103.0255	20.182	1077275.394	1406084.571	137.346	1.7	NIVEL
2696	311.2601	106.3336	14.163	1077282.204	1406103.439	139.066	0.5	NIVEL
2697	313.4946	104.4821	12.943	1077283.355	1406103.122	138.595	1.7	NIVEL
2698	314.1206	106.1644	13.063	1077283.393	1406103.198	138.241	1.7	LAMINA
2699	312.594	108.4703	12.088	1077284.011	1406102.26	138.011	1.7	NIVEL
2700	312.3409	111.1512	10.19	1077285.389	1406100.881	138.209	1.7	NIVEL
2701	310.4234	117.0404	8.174	1077286.867	1406099.205	138.183	1.7	NIVEL
2702	313.092	125.5011	6.515	1077288.532	1406098.072	138.088	1.7	NIVEL
2703	234.2048	108.1323	11.441	1077283.56	1406088.122	138.325	1.7	NIVEL
2704	236.2056	106.1444	13.208	1077281.835	1406087.428	138.208	1.7	LAMINA
2705	237.47	106.2316	13.769	1077281.215	1406087.412	138.018	1.7	NIVEL
2706	238.1303	105.5358	15.598	1077279.639	1406086.553	137.63	1.7	NIVEL
2707	356.5519	95.1159	37.4	1077290.363	1406131.652	138.514	1.7	D10 - D11
2708	352.425	98.043	24.666	1077290.366	1406131.652	138.438	1.7	PATA
2709	358.1955	95.035	37.815	1077289.276	1406118.683	138.565	1.7	PATA
2710	357.0636	99.1715	24.289	1077291.27	1406132.112	137.983	1.7	LAMINA
2711	357.241	96.1249	36.172	1077291.165	1406118.4	137.988	1.7	LAMINA
2712	357.0451	97.1515	35.337	1077290.737	1406130.382	137.441	1.7	NIVEL
2713	0.222	99.2845	24.388	1077290.582	1406129.468	137.887	1.7	NIVEL
2714	4.2456	99.3207	25.178	1077292.529	1406118.515	137.732	1.7	NIVEL
2715	6.5355	100.0609	25.747	1077294.285	1406119.218	137.387	1.7	NIVEL
2716	12.0446	100.165	25.589	1077295.418	1406119.627	137.336	1.7	SALIENTE
2717	122.2653	85.2954	12.792	1077297.642	1406119.085	142.907	1.7	PARAMENTO
2718	97.5222	87.121	12.624	1077303.153	1406087.625	142.419	1.8	PARAMENTO
2719	34.2009	88.061	10.481	1077304.878	1406092.741	142.25	1.7	CULATA
2720	24.1205	92.3739	21.534	1077298.291	1406103.114	142.316	0.3	CULATA
2721	176.5438	83.5218	37.477	1077301.194	1406114.086	142.212	1.7	D11 - D10
2722	296.4718	87.022	5.644	1077292.395	1406094.444	138.503	1.7	NIVEL
2723	275.1345	92.0331	5.47	1077285.332	1406134.19	138.015	1.7	LAMINA
2724	269.0913	92.3239	5.684	1077284.921	1406132.147	137.959	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2725	261.1716	96.2929	6.723	1077284.689	1406131.564	137.451	1.7	NIVEL
2726	254.2105	94.4508	8.861	1077283.763	1406130.636	137.477	1.7	NIVEL
2727	250.4918	92.3826	9.45	1077281.864	1406129.265	137.776	1.7	NIVEL
2728	248.4231	90.591	9.89	1077281.452	1406128.546	138.041	1.7	LAMINA
2729	243.4919	90.1228	10.428	1077281.154	1406128.055	138.173	1.7	NIVEL
2730	238.1325	88.3504	11.566	1077281.01	1406127.046	138.497	1.7	PATA
2731	254.3052	89.4734	21.785	1077280.54	1406125.557	138.29	1.7	PATA
2732	262.0511	89.4755	21.045	1077269.375	1406125.824	138.285	1.7	NIVEL
2733	270.5326	90.1343	21.092	1077269.523	1406128.743	138.127	1.7	NIVEL
2734	277.5641	90.5441	21.304	1077269.277	1406131.968	137.872	1.7	NIVEL
2735	280.3721	90.5024	21.253	1077269.267	1406134.584	137.899	1.7	LAMINA
2736	277.3208	90.2431	31.971	1077269.478	1406135.557	138.883	0.8	PATA
2737	274.1835	92.2422	31.863	1077258.669	1406135.827	138.573	0	NIVEL
2738	273.3902	90.4723	31.765	1077258.619	1406134.026	137.773	1.7	LAMINA
2739	273.1009	91.1444	31.4	1077258.668	1406133.656	137.529	1.7	NIVEL
2740	272.2155	91.2151	31.158	1077259.021	1406133.37	137.469	1.7	NIVEL
2741	270.0419	90.4826	31.385	1077259.243	1406132.92	137.769	1.7	LAMINA
2742	268.012	90.0827	30.385	1077258.985	1406131.673	138.136	1.7	NIVEL
2743	264.0434	90.2038	31.987	1077259.999	1406130.585	138.019	1.7	NIVEL
2744	261.0611	90.1415	32.771	1077258.553	1406128.333	138.075	1.7	PATA
2745	353.4225	51.1902	5.733	1077257.992	1406126.565	141.794	1.7	CORONA
2746	259.4405	87.0251	37.66	1077289.872	1406136.099	139.851	2	NIVEL
2747	295.1332	70.0824	11.177	1077253.362	1406124.929	142.008	1.7	NIVEL
2748	289.1844	77.5917	17.468	1077280.853	1406136.126	141.846	1.7	CORONA
2749	262.4709	92.1719	43.828	1077274.239	1406137.294	137.961	0.2	PATA
2750	264.3719	90.4204	44.147	1077246.923	1406126.127	137.671	1.7	LAMINA
2751	267.3728	91.0834	44.142	1077246.419	1406127.489	137.331	1.7	NIVEL
2752	269.5559	91.0206	43.005	1077246.272	1406129.798	137.434	1.7	NIVEL
2753	271.5719	90.4303	43.138	1077247.368	1406131.577	137.671	1.7	LAMINA
2754	274.2259	90.1539	43.048	1077247.255	1406133.099	138.015	1.7	NIVEL
2755	273.4134	90.3127	45.83	1077247.443	1406134.917	137.792	1.7	D11 - D12
2707	93.4135	88.445	45.837	1077244.631	1406134.578	138.534	1.7	D12 - D11
2758	48.0656	82.0241	7.388	1077250.076	1406139.466	138.555	1.7	PATA
2759	47.5137	76.1919	8.002	1077250.393	1406139.797	141.124	0	CORONA
2760	51.1934	82.375	4.189	1077247.874	1406137.176	139.769	0	NIVEL
2761	98.1857	79.3734	1.966	1077246.545	1406134.299	139.586	0	NIVEL
2762	144.5127	85.4457	1.686	1077245.6	1406133.204	137.657	1.7	LAMINA
2763	172.0517	90.2831	1.822	1077244.883	1406132.773	137.517	1.7	NIVEL
2764	188.1931	94.3913	2.562	1077244.263	1406132.051	137.324	1.7	NIVEL
2765	197.5448	95.5333	3.673	1077243.509	1406131.1	137.155	1.7	NIVEL
2766	228.4931	65.3901	14.447	1077234.729	1406125.907	143.489	1.7	CORONA
2767	195.4106	94.3008	6.262	1077242.947	1406128.566	137.04	1.7	NIVEL
2768	193.3322	93.1117	7.159	1077242.959	1406127.628	137.134	1.7	NIVEL
2769	189.5835	88.5225	7.256	1077243.378	1406127.432	137.675	1.7	LAMINA
2770	186.4422	85.4958	8.383	1077243.655	1406126.274	138.141	1.7	NIVEL
2771	309.5719	75.5236	20.36	1077229.489	1406147.249	143.3	0.9	CORONA
2772	12.012	68.4703	12.456	1077247.044	1406145.936	140.94	2.8	CORONA
2773	354.1238	87.5521	20.98	1077242.504	1406155.436	138.293	1.7	NIVEL
2774	352.2055	89.3046	20.928	1077241.833	1406155.317	137.71	1.7	LAMINA
2775	348.3155	90.2025	21.127	1077240.419	1406155.28	137.407	1.7	NIVEL
2776	343.5804	90.1924	21.505	1077238.68	1406155.242	137.411	1.7	NIVEL
2777	339.2112	90.1512	21.596	1077237.005	1406154.782	137.437	1.7	NIVEL
2778	336.52	90.1047	21.56	1077236.15	1406154.4	137.464	1.7	NIVEL
2779	336.3518	89.3446	21.322	1077236.148	1406154.14	137.689	1.7	LAMINA
2780	335.4931	88.2149	21.372	1077235.871	1406154.063	138.142	1.7	NIVEL
2781	230.2415	70.3351	19.766	1077181.067	1406125.577	143.209	2.6	NIVEL
2782	230.2419	78.5619	34.277	1077152.662	1406085.31	143.909	2.6	NIVEL
2783	5.1026	83.3504	8.406	1077245.379	1406142.897	138.471	1.7	NIVEL
2784	350.3649	86.2434	7.939	1077243.335	1406142.394	138.029	1.7	NIVEL
2785	340.1041	89.0134	8.041	1077241.901	1406142.139	137.669	1.7	NIVEL
2786	337.0118	90.3501	8.376	1077241.357	1406142.287	137.447	1.7	LAMINA
2787	330.0229	92.224	8.965	1077240.154	1406142.335	137.16	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2788	324.4011	93.5007	9.43	1077239.186	1406142.251	136.901	1.7	NIVEL
2789	355.5423	88.1402	16.653	1077243.434	1406151.179	138.045	1.7	SALIENTE TUBO
2790	315.1505	94.0152	10.439	1077237.296	1406141.969	136.798	1.7	NIVEL
2791	314.4719	89.1	10.814	1077236.953	1406142.191	137.689	1.7	LAMINA
2792	313.5152	85.1159	11.286	1077236.518	1406142.367	138.476	1.7	NIVEL
2793	311.1232	83.1217	12.541	1077235.258	1406142.776	139.016	1.7	NIVEL
2794	342.4044	88.0311	26.401	1077236.761	1406159.762	138.429	1.7	NIVEL
2795	342.0447	89.585	54.413	1077227.86	1406186.341	137.551	1.7	D12 - D13
2796	339.4859	89.0534	43.131	1077229.729	1406175.046	138.215	1.7	PATA
2797	343.1636	89.3316	43.045	1077232.222	1406175.794	137.867	1.7	NIVEL
2798	347.1746	89.4617	44.402	1077234.843	1406177.886	137.709	1.7	NIVEL
2799	345.5426	90.001	52.279	1077231.872	1406185.275	137.53	1.7	NIVEL
2800	350.2125	89.5253	44.804	1077237.101	1406178.744	137.625	1.7	LAMINA
2801	346.1015	90.0325	52.349	1077232.089	1406185.402	137.48	1.7	NIVEL
2802	347.011	90.0811	53.148	1077232.664	1406186.361	137.406	1.7	LAMINA
2803	350.3106	88.3924	45.011	1077237.193	1406178.957	138.587	1.7	NIVEL
2804	162.0449	89.2644	54.427	1077244.635	1406134.567	137.797	1.7	D13 - D12
2805	154.2223	88.2112	34.774	1077242.912	1406155.01	138.269	1.7	SALIENTE TUBO
2806	148.1031	83.3444	30.672	1077243.946	1406160.453	140.7	1.7	CORONA
2807	139.0257	83.2549	23.71	1077243.308	1406168.56	141.183	0.5	CORONA
2808	119.3811	75.0159	15.118	1077240.558	1406179.126	141.174	1.7	CORONA
2809	71.4114	68.2134	8.476	1077235.338	1406188.821	140.396	1.7	CORONA
2810	31.5228	60.3827	10.747	1077232.801	1406194.298	142.539	1.7	PARAMENTO BANO
2811	21.1244	61.4917	11.118	1077231.401	1406195.479	142.52	1.7	PARAMENTO BANO
2812	20.5831	58.4452	13.519	1077231.991	1406197.136	142.084	3.9	PARAMENTO BANO
2813	18.4917	55.3403	8.833	1077230.206	1406193.239	142.265	1.7	CORONA
2814	316.0552	78.2337	20.52	1077213.914	1406200.816	141.398	1.7	CORONA
2815	299.06	81.3146	29.062	1077202.736	1406200.307	141.551	1.7	CORONA
2816	289.084	83.454	33.843	1077196.071	1406197.356	140.948	1.7	CORONA
2817	291.4952	85.1204	43.949	1077187.197	1406202.604	140.947	1.7	CORONA
2818	298.2451	84.4622	46.879	1077186.787	1406208.532	141.541	1.7	CULATA
2819	302.5833	83.4408	37.008	1077196.987	1406206.347	141.308	1.7	CULATA
2820	286.4932	89.1353	48.15	1077181.767	1406200.251	137.916	1.7	PATA
2821	286.1759	89.1942	48.555	1077181.252	1406199.942	137.839	1.7	NIVEL
2822	283.4959	89.3804	48.606	1077180.657	1406197.935	137.58	1.7	NIVEL
2823	282.1206	89.475	48.981	1077179.979	1406196.666	137.443	1.7	LAMINA
2824	281.2328	90.1224	49.68	1077179.153	1406196.126	137.091	1.7	NIVEL
2825	280.1943	90.3152	49.914	1077178.752	1406195.262	136.807	1.7	NIVEL
2826	279.3454	90.2247	50.065	1077178.49	1406194.646	136.938	1.7	NIVEL
2827	286.2231	89.3126	35.159	1077194.123	1406196.234	137.562	1.7	LAMINA
2828	285.4412	90.0515	34.931	1077194.232	1406195.796	137.217	1.7	NIVEL
2829	283.2544	90.1545	35.21	1077193.608	1406194.499	137.109	1.7	NIVEL
2830	280.2428	90.0711	35.224	1077193.212	1406192.685	137.197	1.7	NIVEL
2831	278.2834	89.443	35.077	1077193.164	1406191.492	137.428	1.7	LAMINA
2832	276.0055	89.3252	34.048	1077193.998	1406189.89	137.539	1.7	NIVEL
2833	274.2258	89.3427	20.844	1077207.076	1406187.922	137.425	1.7	LAMINA
2834	276.1046	89.3239	20.097	1077207.879	1406188.493	137.43	1.7	LAMINA
2835	281.5404	88.3122	18.59	1077209.674	1406190.163	137.749	1.7	NIVEL
2836	291.2711	89.2801	18.188	1077210.928	1406192.984	137.439	1.7	LAMINA
2837	295.4959	90.1106	18.138	1077211.53	1406194.236	137.211	1.7	LAMINA
2838	299.1411	89.2807	18.298	1077211.889	1406195.269	137.44	1.7	LAMINA
2839	300.1834	87.2255	18.303	1077212.071	1406195.559	138.106	1.7	NIVEL
2840	256.1008	87.4511	7.659	1077220.43	1406184.507	137.57	1.7	PATA
2841	265.1249	88.4308	7.408	1077220.48	1406185.719	137.436	1.7	LAMINA
2842	272.0428	91.4132	7.29	1077220.578	1406186.601	137.055	1.7	NIVEL
2843	279.1916	94.4925	7.412	1077220.571	1406187.533	136.647	1.7	NIVEL
2844	283.2444	84.5928	62.142	1077167.635	1406200.666	142.796	1.6	D13 - D14
2845	324.1341	82.1806	9.115	1077222.576	1406193.667	138.591	1.6	PATA
2846	314.4208	84.3418	7.646	1077222.447	1406191.692	138.093	1.6	NIVEL
2847	311.3153	88.371	7.207	1077222.464	1406191.115	137.544	1.6	LAMINA
2848	306.3037	93.1333	7.016	1077222.227	1406190.506	136.975	1.6	NIVEL
2849	300.1638	100.5602	7.094	1077221.843	1406189.85	136.024	1.6	NIVEL



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2850	259.5921	78.4405	20.049	1077208.499	1406182.912	141.287	1.6	CORONA
2851	270.4627	82.291	24.22	1077203.85	1406186.652	140.537	1.6	NIVEL
2852	262.0258	81.3059	28.488	1077199.957	1406182.428	141.573	1.6	NIVEL
2853	230.2542	72.0119	12.33	1077218.824	1406178.865	141.576	1.2	CORONA
2854	183.4921	79.1244	18.046	1077226.688	1406168.653	141.748	0.6	CORONA
2855	196.4806	74.3448	18.013	1077222.85	1406169.715	142.159	1.6	NIVEL
2900				1077267.606	1406311.413	143.303	1.485	D8
2901	128.1332	89.1249	50.9766	1077307.666	1406279.896	143.7878	1.7	D8 - D7
2902	208.1755	90.3638	121.4853	1077210.078	1406204.42	142.1944	1.3	D8 - D15
2903	28.1753	89.2743	121.4811	1077267.603	1406311.411	143.3364	1.3	D15 - D8
2904	291.4023	90.5144	13.2503	1077197.763	1406209.306	141.995	1.3	CULATA
2905	274.1616	91.1032	14.0384	1077196.081	1406205.457	141.9064	1.3	CULATA
2906	275.2925	91.5246	27.1668	1077183.049	1406207.002	141.3035	1.3	D15 - D16
2907	95.2925	88.0642	27.1621	1077210.073	1406204.42	142.1985	1.3	D16 - D15
2908	60.4933	88.1856	5.8104	1077188.118	1406209.836	141.4743	1.3	CULATA
2909	48.3428	87.4316	8.1628	1077189.161	1406212.402	141.6281	1.3	CULATA
2910	131.4308	90.4307	11.4077	1077191.567	1406199.416	140.7604	1.7	CORONA
2911	150.572	91.0729	5.3373	1077185.642	1406202.338	140.7987	1.7	NIVEL
2912	241.2327	99.5826	2.5656	1077180.831	1406205.791	140.4591	1.7	NIVEL
2913	1.4307	88.5624	8.0466	1077183.285	1406215.044	141.0524	1.7	CORONA
2914	225.4142	120.374	4.1774	1077180.478	1406204.49	138.7753	1.7	NIVEL
2915	234.4232	116.392	6.8673	1077178.041	1406203.453	137.8226	1.7	LAMINA
2916	159.4722	106.3714	8.6001	1077185.9	1406199.27	138.4436	1.7	NIVEL
2917	167.5451	105.5454	11.1319	1077185.296	1406196.535	137.851	1.7	LAMINA
2918	236.1945	116.1121	8.1014	1077177.001	1406202.968	137.3281	1.7	NIVEL
2919	240.3024	114.2411	9.8875	1077175.214	1406202.565	136.8185	1.7	NIVEL
2920	237.124	111.1415	11.0057	1077174.428	1406201.442	136.9168	1.7	NIVEL
2921	237.5714	107.4004	12.1314	1077173.254	1406200.863	137.2216	1.7	NIVEL
2922	240.4925	107.3255	13.7057	1077171.642	1406200.625	136.771	1.7	NIVEL
2923	241.1002	102.3829	14.0278	1077171.061	1406200.394	137.8335	1.7	LAMINA
2924	242.3026	89.5417	16.3027	1077168.591	1406199.468	142.6306	0	CORONA
2925	242.3025	89.1715	26.3047	1077159.723	1406194.846	142.9306	0	NIVEL
2926	338.0709	106.531	9.5656	1077179.633	1406215.494	138.125	1.7	D16 - D17
2927	158.0708	69.1606	9.7947	1077183.051	1406206.995	141.2922	1.7	D17 - D16
2928	165.0442	75.4306	4.8792	1077180.853	1406210.926	139.0287	1.7	BORDE RIO
2929	212.3311	90.1602	4.5107	1077177.208	1406211.691	137.804	1.7	LAMINA
2930	221.1113	94.1121	4.7629	1077176.507	1406211.917	137.4771	1.7	NIVEL
2931	259.4517	100.1717	5.0212	1077174.771	1406214.612	136.9282	1.7	NIVEL
2932	279.4039	100.52	6.2521	1077173.579	1406216.523	136.6463	1.7	NIVEL
2933	279.3133	97.3146	6.9714	1077172.816	1406216.634	136.9115	1.7	NIVEL
2934	278.3956	90.3513	7.4682	1077172.249	1406216.615	137.7485	1.7	LAMINA
2935	29.0827	90.0255	14.1767	1077186.529	1406227.88	137.813	1.7	LAMINA
2936	26.1501	92.0158	14.2431	1077185.921	1406228.264	137.3198	1.7	NIVEL
2937	19.1247	91.4926	14.8538	1077184.51	1406229.516	137.3522	1.7	NIVEL
2938	9.1151	91.4214	16.1108	1077182.198	1406231.392	137.346	1.7	NIVEL
2939	6.5908	90.011	16.6304	1077181.646	1406232.002	137.8194	1.7	LAMINA
2940	4.1628	91.0942	17.7456	1077180.945	1406233.187	139.1653	0	NIVEL
2941	294.1903	66.3122	12.4356	1077169.236	1406220.185	142.7791	1.7	CORONA
2942	293.3511	75.2254	19.841	1077162.033	1406223.166	142.8324	1.7	CULATA
2943	245.4821	74.3933	18.8312	1077163.072	1406208.042	142.807	1.7	NIVEL
2944	245.4821	82.1135	38.5182	1077144.832	1406199.835	143.0573	1.7	NIVEL
2945	217.4819	78.0835	24.5307	1077164.927	1406196.518	142.8654	1.7	NIVEL
2946	217.4817	83.124	44.3036	1077152.686	1406180.72	143.0624	1.7	NIVEL
2947	189.1415	79.0707	28.7125	1077175.122	1406187.661	143.2453	1.7	NIVEL
2948	189.1416	83.2429	48.5081	1077171.924	1406167.927	143.3937	1.7	NIVEL
2949	356.3034	79.245	19.039	1077178.482	1406234.173	141.3227	1.7	CORONA
2950	356.3032	82.5133	28.9363	1077177.868	1406244.151	141.4221	1.7	NIVEL
2951	317.5256	81.1336	24.3134	1077163.507	1406233.309	141.5334	1.7	NIVEL
2952	10.3322	85.0654	31.4002	1077185.347	1406246.254	141.699	0.5	CORONA
2953	26.2607	89.5325	36.4304	1077195.832	1406248.124	137.8949	1.7	D17 - D18
2954	206.2606	89.1346	36.4299	1077179.634	1406215.497	138.1299	1.7	D18 - D17
2955	201.2233	89.3247	10.6203	1077191.967	1406238.233	137.724	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
2956	229.0549	87.1645	9.283	1077188.827	1406242.049	138.0806	1.7	BORDE RIO
2957	191.1351	90.5837	10.9002	1077193.716	1406237.433	137.4541	1.7	NIVEL
2958	181.0842	91.3407	10.8132	1077195.623	1406237.317	137.3439	1.7	NIVEL
2959	177.5022	89.5522	10.8674	1077196.248	1406237.265	137.6546	1.7	LAMINA
2960	128.4344	90.3659	7.3297	1077201.553	1406243.542	137.561	1.7	LAMINA
2961	130.5105	95.4407	6.9887	1077201.095	1406243.579	136.9415	1.7	NIVEL
2962	136.3231	93.2322	5.5049	1077199.614	1406244.137	137.3144	1.7	NIVEL
2963	136.4651	90.5751	4.2737	1077198.76	1406245.012	137.568	1.7	LAMINA
2964	339.4049	90.0138	4.8826	1077194.134	1406252.702	137.6376	1.7	LAMINA
2965	320.5026	79.572	4.6826	1077192.919	1406251.698	138.4566	1.7	BORDE RIO
2966	121.1503	74.1006	13.1737	1077206.671	1406241.555	141.2339	1.7	CORONA
2967	112.0125	80.0616	23.1563	1077216.984	1406239.582	141.6194	1.7	CULATA
2968	337.0247	90.1311	13.1088	1077190.713	1406260.192	137.5896	1.7	LAMINA
2969	68.5507	78.3604	17.2998	1077211.653	1406254.233	141.059	1.7	LAMINA
2970	51.5937	79.0241	19.4795	1077210.895	1406259.909	141.3418	1.7	CORONA
2971	54.0011	83.0211	31.362	1077221.008	1406266.435	141.4422	1.7	CULATA
2972	29.0948	80.1906	23.8958	1077207.299	1406268.7	141.6586	1.7	CULATA
2973	20.5916	80.4303	25.31	1077204.766	1406271.451	141.7225	1.7	CULATA
2974	16.4138	79.0937	19.6764	1077201.373	1406266.638	141.3403	1.7	CORONA
2975	335.3014	92.0959	14.8275	1077189.681	1406261.604	137.0794	1.7	NIVEL
2976	341.484	91.0436	15.7662	1077190.903	1406263.097	137.3436	1.7	NIVEL
2977	351.5416	91.1435	18.1834	1077193.262	1406266.121	137.2454	1.7	NIVEL
2978	356.0359	92.25	19.4489	1077194.488	1406267.509	136.8198	1.7	NIVEL
2979	357.373	90.1523	19.6814	1077195.006	1406267.788	137.5518	1.7	LAMINA
2980	349.2302	85.5551	27.7861	1077190.711	1406275.363	139.6117	1.7	NIVEL
2981	344.1215	93.5304	24.5271	1077189.158	1406271.667	137.6784	0	LAMINA
2982	342.4837	92.3517	23.4959	1077188.883	1406270.544	136.5789	1.7	NIVEL
2983	339.1017	91.2433	22.1137	1077187.96	1406268.782	137.0961	1.7	NIVEL
2984	333.2951	90.5539	20.7433	1077186.567	1406266.68	137.3041	1.7	NIVEL
2985	331.5457	90.214	20.2698	1077186.28	1406266.002	137.5121	1.7	LAMINA
2986	47.5734	90.2523	13.8192	1077206.09	1406257.384	137.5379	1.7	LAMINA
2987	44.1458	94.1114	12.1771	1077204.302	1406256.828	136.7508	1.7	NIVEL
2988	52.2725	96.443	11.2607	1077204.695	1406254.944	136.318	1.7	NIVEL
2989	42.0507	94.2651	7.8562	1077201.079	1406253.94	135.9307	2.8	NIVEL
2990	42.2338	93.2538	6.8352	1077200.43	1406253.166	136.1313	2.8	NIVEL
2991	22.573	97.0553	13.4097	1077201.016	1406260.38	137.6829	0	LAMINA
2992	21.3328	93.3308	12.6733	1077200.473	1406259.891	135.7547	2.8	NIVEL
2994	333.4306	89.5151	21.6191	1077186.249	1406267.503	137.6912	1.7	D18 - D19
2995	153.4306	88.033	21.6332	1077195.833	1406248.123	137.8992	1.7	D19 - D18
2996	214.4954	69.0914	6.5128	1077182.775	1406262.505	139.4838	1.7	CORONA
2997	237.4503	83.5654	3.9977	1077182.888	1406265.38	137.5877	1.7	LAMINA
2998	248.2643	85.5541	3.5797	1077182.929	1406266.189	137.4204	1.7	NIVEL
2999	277.0357	96.5644	3.3871	1077182.912	1406267.915	136.7566	1.7	NIVEL
3000	279.2034	91.104	8.2423	1077178.117	1406268.836	136.9968	1.7	NIVEL
3001	290.4358	90.1102	10.1523	1077176.752	1406271.092	137.1336	1.7	NIVEL
3002	295.5448	87.5326	11.0536	1077176.311	1406272.325	137.5731	1.7	LAMINA
3003	301.4837	82.383	13.1987	1077175.121	1406274.397	138.8566	1.7	NIVEL
3004	316.2453	72.483	15.1742	1077176.249	1406277.998	141.6513	1.7	CORONA
3005	263.1542	89.0422	21.0973	1077165.301	1406265.016	137.5077	1.7	BORDE RIO
3006	257.0139	89.3801	25.5772	1077161.328	1406261.747	137.3298	1.7	BORDE RIO
3007	268.3503	89.4535	39.5179	1077146.744	1406266.504	137.3319	1.7	BORDE RIO
3008	296.535	84.5242	20.8569	1077167.717	1406276.89	139.0281	1.7	NIVEL
3009	280.2616	88.0808	22.0754	1077164.548	1406271.488	137.8844	1.7	NIVEL
3010	301.0827	85.5947	27.2736	1077162.954	1406281.56	139.0705	1.7	NIVEL
3011	279.1843	88.0252	31.865	1077154.819	1406272.638	138.2517	1.7	BORDE RIO
3012	287.505	87.0618	27.3133	1077160.278	1406275.849	138.5458	1.7	NIVEL
3013	279.5415	88.4308	41.1016	1077145.766	1406274.548	138.0852	1.7	BORDE RIO
3014	273.4027	88.2009	36.8133	1077149.525	1406269.84	138.2355	1.7	NIVEL
3015	253.0123	90.0001	23.3282	1077163.941	1406260.679	137.1662	1.7	NIVEL
3016	253.0124	90.0001	23.3295	1077163.94	1406260.679	137.1662	1.7	NIVEL
3017	262.052	89.5951	40.6609	1077145.978	1406261.884	137.1681	1.7	NIVEL
3018	249.4639	90.1239	23.9524	1077163.778	1406259.211	137.0781	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3019	259.3229	90.2113	41.5975	1077145.347	1406259.929	136.9096	1.7	NIVEL
3020	248.4822	89.4247	23.9998	1077163.878	1406258.814	137.2864	1.7	NIVEL
3021	256.5759	91.5734	41.8737	1077145.483	1406258.042	137.4345	0	LAMINA
3022	254.5918	86.4053	45.5814	1077142.303	1406255.692	141.5049	0	NIVEL
3023	244.0031	84.5445	24.1783	1077164.608	1406256.937	141.0103	0	CORONA
3024	268.1938	89.5833	52.0236	1077134.248	1406265.955	137.1884	1.7	LAMINA
3025	268.0136	90.0635	56.2376	1077130.046	1406265.535	137.0588	1.7	NIVEL
3026	268.5515	90.3035	58.7331	1077127.529	1406266.364	136.644	1.7	NIVEL
3027	268.5315	90.0312	59.0789	1077127.182	1406266.322	137.1114	1.7	LAMINA
3028	278.5409	87.5457	56.7252	1077130.239	1406276.244	137.0295	3.9	LAMINA
3029	279.095	88.4129	58.1159	1077128.884	1406276.724	136.2937	3.9	NIVEL
3030	278.0809	88.1432	60.2987	1077126.58	1406275.999	135.7161	5	NIVEL
3031	271.452	87.0429	66.381	1077119.984	1406269.496	141.6541	0.6	CORONA
3032	279.3006	86.2609	67.5889	1077119.71	1406278.601	141.7684	1.3	CORONA
3033	277.4515	88.451	64.1971	1077122.649	1406276.127	135.2639	5	NIVEL
3034	277.2719	87.2504	64.8112	1077122.046	1406275.868	136.7863	5	LAMINA
3035	279.4615	88.2347	44.3484	1077142.557	1406275.002	138.4075	1.7	NIVEL
3036	283.5802	86.201	43.5231	1077144.093	1406277.963	141.6476	0	CORONA
3037	304.0432	84.0722	23.9699	1077166.491	1406280.851	139.6206	1.7	D19 - D20
3038	124.0432	93.5916	23.9051	1077186.251	1406267.501	137.7082	1.7	D20 - D19
3039	84.08	75.1725	7.5376	1077173.743	1406281.601	141.2846	1.7	CORONA
3040	45.4258	80.1355	13.7881	1077176.214	1406290.344	141.7099	1.7	CORONA
3041	24.5724	85.0934	18.2105	1077174.138	1406297.307	140.9073	1.7	CORONA
3042	25.2137	84.4538	27.5313	1077178.22	1406305.632	141.8847	1.7	CORONA
3043	33.1626	86.3406	29.8661	1077182.834	1406305.786	142.3583	0.5	CULATA
3044	34.3835	86.0921	20.0814	1077177.872	1406297.342	141.9169	0.5	CULATA
3045	45.4611	81.2013	21.0901	1077181.423	1406295.403	141.5473	2.7	CULATA
3046	15.4726	100.1258	7.0192	1077168.367	1406287.5	138.1257	1.7	NIVEL
3047	15.5713	102.5216	7.2961	1077168.442	1406287.691	137.2453	2.2	LAMINA
3048	279.5811	96.3417	8.5446	1077158.13	1406282.316	138.3927	1.7	NIVEL
3049	293.4359	101.2912	7.9926	1077159.319	1406284	137.279	2.2	LAMINA
3050	268.4336	90.1224	16.8911	1077149.605	1406280.466	141.0097	0	CORONA
3051	276.1846	93.111	18.9094	1077147.724	1406282.917	138.3197	1.7	NIVEL
3052	276.1551	95.2131	24.1096	1077142.629	1406283.457	137.119	1.7	BORDE RIO
3053	284.2719	97.5254	16.7834	1077150.39	1406284.992	137.0691	1.7	LAMINA
3054	276.4833	94.3328	29.4665	1077137.323	1406284.317	137.0292	1.7	LAMINA
3055	284.3912	98.5031	16.7244	1077150.501	1406285.023	136.7999	1.7	NIVEL
3056	279.0902	95.4236	29.8609	1077137.154	1406285.56	136.3996	1.7	NIVEL
3057	295.0118	97.3417	18.1442	1077150.189	1406288.449	136.9799	1.7	NIVEL
3058	280.5509	96.2814	30.1351	1077137.087	1406286.507	135.9746	1.7	NIVEL
3059	302.5216	97.2959	20.1596	1077149.698	1406291.69	136.7394	1.7	NIVEL
3060	304.5049	100.2118	21.4995	1077149.128	1406292.926	137.0061	0.2	NIVEL
3061	283.1359	94.5458	30.2378	1077137.161	1406287.731	135.6794	2.8	NIVEL
3062	286.0932	94.1731	30.4737	1077137.299	1406289.292	137.0901	1.7	LAMINA
3063	288.0956	92.5846	31.3239	1077136.763	1406290.587	137.7425	1.7	NIVEL
3064	341.0341	87.3246	31.8917	1077156.133	1406310.983	140.7362	1.7	CORONA
3065	343.3229	87.0954	23.384	1077159.862	1406303.246	140.5272	1.7	CORONA
3066	324.5044	86.3146	20.9541	1077154.439	1406297.945	140.6391	1.7	CORONA
3067	310.5229	87.1653	23.0629	1077149.064	1406295.917	140.4645	1.7	CORONA
3068	301.4935	88.2958	40.4127	1077132.154	1406302.136	140.829	1.3	NIVEL
3069	334.3503	94.4436	19.1743	1077158.28	1406298.106	137.785	1.7	NIVEL
3070	349.054	95.3857	20.9397	1077162.537	1406301.311	137.3093	1.7	NIVEL
3071	355.4347	96.1244	21.9237	1077164.856	1406302.585	136.9982	1.7	LAMINA
3072	359.141	98.2219	21.7396	1077166.192	1406302.357	136.2054	1.7	NIVEL
3073	2.3017	99.1954	22.0527	1077167.43	1406302.592	135.7948	1.7	NIVEL
3074	5.4411	99.2238	22.9872	1077168.745	1406303.419	135.6252	1.7	NIVEL
3075	9.2622	96.4139	23.2218	1077170.261	1406303.605	135.5636	2.8	NIVEL
3076	12.233	99.5027	23.0864	1077171.36	1406303.071	137.1249	0	LAMINA
3077	16.5353	94.4002	23.051	1077173.157	1406302.838	139.195	0	NIVEL
3078	356.1535	92.0327	77.4507	1077161.398	1406358.084	136.9904	1.3	D20 - D21
3079	176.1536	88.0343	77.4383	1077166.491	1406280.858	139.6197	1.3	D21 - D20
3080	189.272	89.3419	33.0902	1077155.981	1406325.442	136.8476	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3081	187.2714	89.4528	32.8107	1077157.16	1406325.549	136.7392	1.7	NIVEL
3082	186.5057	89.3739	29.5998	1077157.885	1406328.694	136.7929	1.7	NIVEL
3083	185.5412	89.2024	27.2507	1077158.611	1406330.978	136.9144	1.7	LAMINA
3084	174.3723	88.3652	30.101	1077164.235	1406328.126	137.3283	1.7	BORDE RIO
3085	167.013	88.1324	27.9499	1077167.686	1406330.865	137.4671	1.7	NIVEL
3086	157.022	85.1743	28.5604	1077172.517	1406331.882	140.643	0	CORONA
3087	179.3325	89.0034	21.8502	1077161.58	1406336.238	136.9781	1.7	LAMINA
3088	163.4639	88.4906	14.3046	1077165.402	1406344.354	136.8954	1.7	LAMINA
3089	134.2442	80.3502	16.1416	1077172.78	1406346.947	140.9412	0	CORONA
3090	115.0357	75.0246	10.8994	1077170.94	1406353.628	139.4129	1.7	CORONA
3091	132.0752	84.5854	9.42	1077168.361	1406351.793	137.4244	1.7	NIVEL
3092	149.0206	86.5744	6.1591	1077164.566	1406352.812	136.9268	1.7	LAMINA
3093	179.1116	90.0008	5.1525	1077161.474	1406352.932	136.6002	1.7	NIVEL
3094	158.3856	88.135	5.6259	1077163.449	1406352.848	136.7741	1.7	NIVEL
3095	205.482	89.1553	4.7273	1077159.343	1406353.828	136.6611	1.7	NIVEL
3096	224.5449	86.5912	5.5771	1077157.469	1406354.138	136.8936	1.7	LAMINA
3097	258.3701	84.3812	7.0837	1077154.485	1406356.688	137.2625	1.7	BORDE RIO
3098	355.3423	88.5335	16.0575	1077160.15	1406374.09	136.9106	1.7	LAMINA
3099	353.0825	90.0645	16.0674	1077159.47	1406374.036	136.5689	1.7	NIVEL
3100	345.5442	90.3154	15.6705	1077157.576	1406373.281	136.455	1.7	NIVEL
3101	334.475	90.0241	15.0421	1077154.985	1406371.691	136.5886	1.7	NIVEL
3102	327.0027	89.2202	14.959	1077153.246	1406370.626	136.7657	1.7	NIVEL
3103	318.0916	87.362	15.9882	1077150.735	1406369.978	137.2683	1.7	LAMINA
3104	314.3512	83.3548	17.8828	1077148.735	1406370.552	140.2948	0	BORDE RIO
3105	64.5951	67.3741	10.5965	1077170.277	1406362.231	140.6336	1.7	CORONA
3106	46.4305	67.1944	12.5847	1077169.848	1406366.05	141.4511	1.7	CULATA
3107	26.5819	64.09	10.9568	1077165.866	1406366.875	141.3778	1.7	CORONA
3108	6.1542	76.1248	19.9248	1077163.498	1406377.321	141.3487	1.7	CORONA
3109	22.2946	77.1111	21.0617	1077169.246	1406377.063	141.2714	1.7	CULATA
3110	356.3703	81.0946	27.2873	1077159.792	1406385	140.7925	1.7	CORONA
3111	355.4633	82.1902	31.5965	1077159.074	1406389.311	140.8246	1.7	CULATA
3112	314.4056	83.5931	22.1732	1077145.711	1406373.581	140.6213	0	CULATA
3113	344.5432	89.4013	30.4267	1077153.46	1406387.457	136.7755	1.7	LAMINA
3114	340.3427	90.0906	30.5633	1077151.217	1406386.902	136.5196	1.7	NIVEL
3115	337.275	90.0925	30.7676	1077149.59	1406386.496	136.5162	1.7	NIVEL
3116	334.1827	89.5734	30.852	1077148.007	1406385.879	136.6223	1.7	NIVEL
3117	331.1341	89.5736	30.628	1077146.641	1406384.923	136.6219	1.7	NIVEL
3118	328.3605	89.3554	31.0787	1077145.192	1406384.602	136.8183	1.7	LAMINA
3119	322.4334	88.0608	32.3787	1077141.785	1406383.825	137.6727	1.7	BORDE RIO
3120	332.2955	89.5132	100.672	1077114.861	1406447.354	136.8491	1.7	D21 - D22
3121	152.2956	89.3959	100.6729	1077161.398	1406358.085	137.0159	1.7	D22 - D21
3122	159.1922	88.361	47.3245	1077131.591	1406403.1	138.4832	0.8	CORONA
3123	168.5515	88.3721	47.996	1077124.108	1406400.271	138.4832	0.8	NIVEL
3124	156.325	89.3252	45.5936	1077133.03	1406405.538	136.789	1.7	LAMINA
3125	153.5516	89.4544	45.0895	1077134.706	1406406.866	136.6163	1.7	NIVEL
3126	151.2513	89.4849	44.9763	1077136.399	1406407.87	136.5755	1.7	NIVEL
3127	148.522	89.485	44.84	1077138.063	1406408.983	136.5749	1.7	NIVEL
3128	146.3749	89.4854	44.3541	1077139.278	1406410.326	136.5725	1.7	NIVEL
3129	146.1231	89.3116	44.3529	1077139.549	1406410.509	136.7998	1.7	LAMINA
3130	143.3036	88.5319	43.5676	1077140.785	1406412.348	137.2742	1.7	NIVEL
3131	174.18	83.344	21.9933	1077117.044	1406425.608	140.5892	0	CORONA
3132	173.335	89.2041	19.7559	1077117.086	1406427.725	136.6551	1.7	LAMINA
3133	169.2535	89.2723	18.8289	1077118.326	1406428.847	136.6077	1.7	NIVEL
3134	163.1515	89.4445	17.9433	1077120.041	1406430.175	136.5087	1.7	NIVEL
3135	156.1254	90.0829	17.1883	1077121.802	1406431.629	136.3867	1.7	NIVEL
3136	152.2139	89.2355	16.9995	1077122.755	1406432.3	136.6076	1.7	LAMINA
3137	142.1341	87.1001	16.4859	1077124.954	1406434.344	137.244	1.7	NIVEL
3138	139.3416	87.243	43.5279	1077143.079	1406414.27	140.0975	0	CORONA
3139	132.1229	82.4839	26.6599	1077134.463	1406429.595	139.7655	1.7	CORONA
3140	121.3014	82.5605	27.1247	1077137.82	1406433.3	139.9655	1.5	CULATA
3141	101.2131	73.2557	11.9155	1077126.059	1406445.111	139.8267	1.7	CULATA
3142	95.3001	65.3903	6.9401	1077121.155	1406446.751	139.2905	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3143	49.1156	66.3739	7.181	1077119.848	1406451.664	139.2778	1.7	MURO
3144	25.41	72.5707	6.477	1077117.542	1406452.936	138.328	1.7	MURO
3145	38.38	74.1214	6.5197	1077118.775	1406452.257	139.9039	0	VIGA
3146	36.0218	74.1513	6.4734	1077118.524	1406452.394	139.8859	0	VIGA
3147	198.4039	86.1135	11.934	1077111.054	1406436.071	137.2215	1.7	MURO
3148	210.3411	84.134	11.7689	1077108.911	1406437.269	137.6128	1.7	MURO
3149	205.1732	81.3131	11.8751	1077109.849	1406436.731	139.8792	0	VIGA
3150	203.5718	81.3418	11.8956	1077110.089	1406436.598	139.8727	0	VIGA
3151	331.4753	84.3434	16.6645	1077107.013	1406461.97	139.7043	0	CORONA
3152	236.3751	77.3349	12.6445	1077104.553	1406440.556	139.5521	1.3	CORONA
3153	267.1942	79.48	13.7014	1077101.391	1406446.718	139.2554	1.3	CORONA
3154	289.1329	83.3229	23.4392	1077092.865	1406455.01	139.4657	1.3	CORONA
3155	319.0207	90.3432	17.0177	1077103.698	1406460.197	136.2581	1.7	LAMINA
3156	315.3513	91.1214	16.9434	1077102.999	1406459.447	136.0731	1.7	NIVEL
3157	309.3913	91.2016	20.2948	1077099.233	1406460.292	135.9553	1.7	NIVEL
3158	306.4939	90.2929	21.6961	1077097.488	1406460.348	136.2431	1.7	LAMINA
3159	297.5804	89.1719	25.0304	1077092.749	1406459.079	136.74	1.7	BORDE RIO
3160	271.3754	83.4726	28.9647	1077086.077	1406448.157	139.962	1.3	CULATA
3161	300.475	89.4903	37.3413	1077082.775	1406466.454	136.5481	1.7	NIVEL
3162	301.4023	90.2431	43.1444	1077078.131	1406469.986	136.1215	1.7	NIVEL
3163	307.2242	90.2414	34.6308	1077087.331	1406468.361	136.185	1.7	LAMINA
3164	303.5205	90.4113	43.8801	1077078.415	1406471.785	135.9031	1.7	LAMINA
3165	305.1313	90.5032	45.737	1077077.485	1406473.707	135.757	1.7	NIVEL
3166	306.5127	91.2148	46.992	1077077.256	1406475.512	135.3112	1.7	NIVEL
3167	307.1303	90.1842	48.1342	1077076.514	1406476.445	136.1673	1.7	LAMINA
3168	305.0803	88.4653	50.5113	1077073.545	1406476.393	139.2034	0	CORONA
3169	301.3315	90.1741	51.0327	1077071.359	1406474.034	136.1669	1.7	LAMINA
3170	287.4	85.3602	37.3949	1077079.328	1406458.649	139.2977	1.7	D22 - D23
3171	107.4	93.2309	37.3511	1077114.862	1406447.353	136.8449	1.7	D23 - D22
3172	62.5212	88.2036	3.4268	1077082.376	1406460.213	139.1498	1.7	CORONA
3173	242.5832	87.0135	6.3809	1077073.653	1406455.75	139.3817	1.7	NIVEL
3174	211.5828	88.0617	15.8276	1077070.959	1406445.225	139.5742	1.7	CORONA
3175	191.5133	86.465	19.3261	1077075.374	1406439.763	140.1361	1.7	CULATA
3176	298.0826	107.3117	9.1644	1077071.62	1406462.766	136.2917	1.7	BORDE RIO
3177	294.511	104.303	11.7326	1077069.019	1406463.417	136.1114	1.7	LAMINA
3178	294.3512	103.4657	13.8351	1077067.107	1406464.232	135.7546	1.7	NIVEL
3179	295.0221	103.4448	15.508	1077065.677	1406465.017	135.3655	1.7	NIVEL
3180	294.2342	102.5933	17.121	1077064.131	1406465.531	135.2015	1.7	NIVEL
3181	292.3406	104.1552	18.3802	1077062.875	1406465.476	136.2218	0	LAMINA
3182	293.0422	95.2904	19.2692	1077061.677	1406466.156	138.9091	0	CORONA
3183	293.0424	93.1312	29.2268	1077052.475	1406470.07	139.1091	0	NIVEL
3184	315.3227	93.3523	26.2183	1077060.99	1406477.315	139.1092	0	NIVEL
3185	261.2134	103.362	12.3739	1077067.439	1406456.835	136.1399	1.7	LAMINA
3186	261.0629	102.2516	13.8869	1077065.931	1406456.545	136.0637	1.7	NIVEL
3187	266.2214	98.1507	19.8345	1077059.739	1406457.395	136.204	1.7	LAMINA
3188	244.5158	94.115	27.0381	1077054.922	1406447.182	137.0718	1.7	BORDE RIO
3189	211.1014	89.2323	22.3854	1077067.753	1406439.49	139.9892	1	CORONA
3190	235.5102	89.0325	53.0382	1077035.458	1406428.855	140.3238	1.3	D23 - D24
3191	60.2319	86.4647	35.616	1077110.234	1406476.237	141.0515	1.7	CULATA
3192	66.013	87.5955	22.7488	1077100.096	1406467.899	139.8452	1.7	CORONA
3193	55.5101	91.1233	53.0401	1077079.326	1406458.647	139.3096	1.3	D24 - D23
3194	58.3603	99.0314	25.3533	1077056.822	1406441.911	136.0391	1.7	LAMINA
3195	60.1412	99.184	25.8054	1077057.557	1406441.509	135.8536	1.7	NIVEL
3196	63.0706	99.4242	26.6599	1077058.89	1406440.75	135.5316	1.7	NIVEL
3197	65.1011	100.0939	27.2389	1077059.785	1406440.128	135.2236	1.7	NIVEL
3198	66.4907	98.2231	27.2676	1077060.251	1406439.488	136.0571	1.7	LAMINA
3199	71.0028	104.5817	15.56	1077049.669	1406433.755	136.0091	1.7	LAMINA
3200	65.2239	112.2718	10.4613	1077044.245	1406432.888	136.033	1.7	LAMINA
3201	348.2025	119.2202	8.1156	1077034.025	1406435.781	136.0489	1.7	LAMINA
3202	6.5028	106.5505	12.038	1077036.823	1406440.29	136.5257	1.7	BORDE RIO
3203	57.0646	119.1042	9.8076	1077042.646	1406433.508	135.2473	1.7	NIVEL
3204	45.2505	117.4551	9.6329	1077041.526	1406434.841	135.5415	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
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3205	37.2118	114.0041	9.8975	1077040.94	1406436.044	136.0013	1.7	LAMINA
3206	10.1058	97.5402	16.377	1077038.317	1406444.822	139.4778	0	CORONA
3207	327.5632	119.3403	8.5355	1077031.514	1406435.144	135.817	1.7	NIVEL
3208	319.5648	124.3607	7.3981	1077031.537	1406433.514	135.8276	1.7	NIVEL
3209	311.2444	129.0239	6.6206	1077031.6	1406432.254	135.8583	1.7	NIVEL
3210	310.3823	129.2418	6.3293	1077031.745	1406432.038	136.011	1.7	LAMINA
3211	327.0656	104.4537	15.6334	1077027.243	1406441.545	136.0458	1.7	LAMINA
3212	321.0246	106.3041	18.3247	1077024.405	1406442.511	134.8209	1.7	NIVEL
3213	314.5242	105.3452	19.3873	1077022.217	1406442.024	134.8214	1.7	NIVEL
3214	314.2014	104.5147	21.1189	1077020.85	1406443.112	134.4116	1.9	NIVEL
3215	311.2711	104.5511	21.9657	1077019.542	1406442.897	136.0734	0	LAMINA
3216	4.2248	94.1921	19.2944	1077036.917	1406448.039	138.5746	1.7	CORONA
3217	5.2032	93.5639	23.8923	1077037.664	1406452.588	138.3855	1.7	CORONA
3218	12.3118	91.4633	27.8066	1077041.468	1406455.99	139.1671	1.7	CORONA
3219	5.0621	91.3246	51.6706	1077040.026	1406480.304	139.3349	1	NIVEL
3220	343.0508	89.2312	35.9561	1077024.978	1406463.247	140.4138	1.7	NIVEL
3221	296.3209	89.4536	25.2846	1077012.831	1406440.138	140.1347	1.7	NIVEL
3222	296.122	89.2923	18.5518	1077018.809	1406437.037	140.1941	1.7	CORONA
3223	6.4625	94.5759	43.7386	1077040.573	1406472.128	136.2424	1.7	D24 - D25
3224	186.4625	84.1917	43.7898	1077035.458	1406428.854	140.3454	1.7	D25 - D24
3225	193.3125	95.1307	17.4189	1077036.526	1406455.26	136.128	0	LAMINA
3226	197.1144	92.3823	17.4439	1077035.431	1406455.478	135.209	1.7	NIVEL
3227	206.274	91.3811	16.8434	1077033.079	1406457.051	135.5315	1.7	NIVEL
3228	215.5919	91.2508	16.7707	1077030.729	1406458.557	135.5971	1.7	NIVEL
3229	222.02	91.3316	16.6872	1077029.411	1406459.732	135.5598	1.7	NIVEL
3230	223.2146	89.5606	17.0049	1077028.904	1406459.758	136.0317	1.7	BORDE RIO
3231	225.1908	89.5442	12.1941	1077031.907	1406463.549	136.0312	1.7	BORDE RIO
3232	205.0212	90.0251	8.0557	1077037.168	1406464.827	136.0057	1.7	LAMINA
3233	232.4437	89.4706	7.9723	1077034.23	1406467.298	136.0423	1.7	BORDE RIO
3234	33.5652	89.283	14.8318	1077048.848	1406484.436	136.1483	1.7	BORDE RIO
3235	1.2943	90.3724	3.51	1077040.662	1406475.637	135.9742	1.7	BORDE RIO
3236	24.1036	81.2337	12.6316	1077045.681	1406483.525	137.9027	1.7	CORONA
3237	131.3249	74.1007	10.5896	1077048.202	1406465.375	138.9013	1.7	CORONA
3238	120.1204	81.1754	20.4428	1077058.043	1406461.973	139.1052	1.7	CORONA
3239	14.535	80.4103	14.6309	1077044.277	1406486.083	138.3808	1.7	NIVEL
3240	17.3259	80.0624	14.2685	1077044.804	1406485.532	138.464	1.7	MURO
3241	28.3541	86.3439	19.9651	1077050.101	1406489.632	136.8043	2.1	MURO
3242	59.5545	90.1055	12.8498	1077051.69	1406478.573	135.9716	1.7	LAMINA
3243	43.3322	90.1101	21.6544	1077055.485	1406487.829	135.9431	1.7	LAMINA
3244	64.504	90.3423	14.1785	1077053.403	1406478.162	135.8706	1.7	NIVEL
3245	70.5812	90.4202	14.8143	1077054.574	1406476.966	135.8313	1.7	NIVEL
3246	71.403	90.1041	15.7965	1077055.565	1406477.103	135.9633	1.7	LAMINA
3247	42.5216	90.1711	30.3275	1077061.193	1406494.366	135.8609	1.7	LAMINA
3248	46.5446	90.4458	31.4151	1077063.502	1406493.599	135.6015	1.7	NIVEL
3249	50.0818	91.1203	32.6984	1077065.655	1406493.095	135.3273	1.7	NIVEL
3250	52.3241	91.28	33.6573	1077067.271	1406492.605	135.151	1.7	NIVEL
3251	53.2915	92.4812	35.0123	1077068.668	1406492.951	136.0001	0	LAMINA
3252	58.292	84.1009	34.6814	1077069.977	1406490.177	140.0358	1.2	CORONA
3253	74.3909	84.0457	36.1144	1077075.208	1406481.655	140.2358	1.2	NIVEL
3254	51.0902	90.0341	30.0526	1077063.967	1406490.992	135.9803	1.7	D25 - D26
3255	231.0902	88.2109	30.0663	1077040.572	1406472.127	136.2467	1.75	D26 - D25
3256	350.4648	85.3056	14.2684	1077061.68	1406505.032	138.2479	0	CORONA
3257	353.4426	87.3749	35.5422	1077060.075	1406526.29	138.602	0	CORONA
3258	3.4233	87.4623	13.8117	1077064.852	1406504.765	135.969	1.7	LAMINA
3259	359.4652	89.1017	35.1741	1077063.813	1406526.163	135.9411	1.7	NIVEL
3260	1.2242	89.5313	35.1794	1077064.793	1406526.162	135.5019	1.7	NIVEL
3261	7.3044	90.1632	13.5818	1077065.735	1406504.459	135.367	1.7	NIVEL
3262	5.3946	89.5556	35.4799	1077067.448	1406526.301	135.4744	1.7	NIVEL
3263	13.1021	91.2313	13.6946	1077067.079	1406504.325	135.1008	1.7	NIVEL
3264	8.5519	89.504	35.7757	1077069.495	1406526.338	135.5295	1.7	NIVEL
3265	19.0931	92.5957	14.0258	1077068.556	1406504.226	134.6985	1.7	NIVEL
3266	28.5758	94.3208	14.1266	1077070.78	1406503.317	136.0152	0	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
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3267	12.2142	89.1429	36.6211	1077071.786	1406526.766	137.6172	0	NIVEL
3268	11.5455	89.1429	36.6281	1077071.508	1406526.833	135.9174	1.7	LAMINA
3269	16.5449	86.0605	36.6194	1077074.576	1406525.953	139.6221	0	NIVEL
3270	29.5746	85.5956	38.5401	1077083.15	1406524.311	139.8215	0	NIVEL
3271	1.1606	89.2654	64.1968	1077065.352	1406555.171	136.0507	1.7	D26 - D27
3272	181.1606	90.1202	64.192	1077063.967	1406490.995	135.9912	1.3	D27 - D26
3273	154.421	89.1629	8.9143	1077069.165	1406547.115	136.3286	1.3	LAMINA
3274	175.2649	89.5508	9.3711	1077066.101	1406545.83	135.829	1.3	NIVEL
3275	190.3135	90.2751	9.8321	1077063.561	1406545.504	135.7361	1.3	NIVEL
3276	201.0933	91.1646	10.7393	1077061.482	1406545.156	135.5759	1.3	NIVEL
3277	209.4838	89.3829	11.8575	1077059.463	1406544.88	135.8899	1.3	NIVEL
3278	214.2151	84.2441	12.9629	1077058.076	1406544.518	138.7781	0	NIVEL
3279	246.1001	84.2951	15.2506	1077051.469	1406549.029	138.9781	0	CORONA
3280	312.0132	88.0215	4.0988	1077062.307	1406557.912	135.9561	1.7	LAMINA
3281	11.0552	91.3451	4.5612	1077066.227	1406559.646	135.6899	1.7	LAMINA
3282	32.2855	75.4218	6.0607	1077068.503	1406560.127	137.3122	1.7	NIVEL
3283	35.3841	81.0335	11.6696	1077072.064	1406564.543	137.6292	1.7	NIVEL
3284	33.3607	76.2425	14.7066	1077073.256	1406567.082	139.2721	1.7	NIVEL
3285	33.361	83.5424	34.5458	1077084.346	1406583.793	139.4828	1.7	NIVEL
3286	48.5738	82.521	34.6741	1077091.29	1406577.776	140.1199	1.7	NIVEL
3287	317.1736	89.0349	27.5757	1077046.64	1406575.422	137.9664	0	NIVEL
3288	329.5652	90.195	27.3327	1077051.651	1406578.822	135.6581	1.7	LAMINA
3289	331.1634	90.3438	27.487	1077052.129	1406579.267	135.5388	1.7	NIVEL
3290	334.3319	91.0935	27.3629	1077053.584	1406579.868	135.2619	1.7	NIVEL
3291	337.2527	91.1718	27.4978	1077054.783	1406580.55	135.1974	1.7	NIVEL
3292	340.5318	93.4135	27.5128	1077056.348	1406581.109	135.7436	0	LAMINA
3293	315.3502	94.5235	17.5686	1077053.093	1406567.668	136.0223	0	LAMINA
3294	333.0144	90.203	19.1581	1077056.653	1406572.241	135.7015	1.7	LAMINA
3295	324.3805	89.4622	65.6647	1077027.316	1406608.697	136.0764	1.7	D27 - D28
3296	144.3804	89.5102	65.6679	1077065.354	1406555.169	136.0648	1.7	D28 - D27
3297	128.0847	85.014	48.8714	1077065.622	1406578.646	140.1294	1.7	CORONA
3298	114.1628	85.1018	50.3169	1077073.033	1406588.111	140.3288	1.5	NIVEL
3299	124.4041	82.3532	34.6052	1077055.547	1406589.189	140.3552	1.7	CORONA
3300	170.4019	86.2512	45.862	1077034.76	1406563.534	138.7573	1.7	CORONA
3301	101.1915	77.5352	17.8938	1077044.473	1406605.273	139.645	1.7	CORONA
3302	91.2741	83.0409	32.722	1077059.788	1406607.888	139.8421	1.7	NIVEL
3303	184.5917	86.3539	42.3266	1077023.666	1406566.604	138.408	1.7	CORONA
3304	185.0002	87.3012	62.2093	1077021.933	1406546.781	138.6035	1.7	NIVEL
3305	73.064	76.1739	13.0669	1077039.461	1406612.392	138.9894	1.7	CORONA
3306	1.2301	83.4946	13.8934	1077027.641	1406622.507	137.3868	1.7	CORONA
3307	216.5256	86.2653	39.96	1077003.397	1406576.783	137.2692	2.8	CORONA
3308	4.2853	86.5536	33.8852	1077029.94	1406642.432	137.7102	1.7	NIVEL
3309	239.1456	85.5137	46.1543	1076987.768	1406585.138	139.7255	1.2	NIVEL
3310	239.1457	86.5611	66.2615	1076970.471	1406574.834	139.935	1.2	CULATA
3311	28.1036	83.4352	52.2275	1077051.804	1406654.474	141.0965	2.2	CORONA
3312	250.2115	84.4616	40.1192	1076989.697	1406595.244	139.5498	1.7	CORONA
3313	250.231	86.191	60.0783	1076970.851	1406588.54	139.7502	1.7	CULATA
3314	263.2046	85.084	44.5835	1076983.194	1406603.525	139.6672	1.7	CORONA
3315	322.2802	86.3539	21.3209	1077014.34	1406625.568	137.16	1.7	CORONA
3316	302.1914	87.4653	34.0435	1076998.558	1406626.869	137.2114	1.7	CORONA
3317	273.3244	85.5809	53.0887	1076974.458	1406611.943	139.6253	1.7	CORONA
3318	276.1638	86.2651	60.8038	1076966.989	1406615.299	139.6612	1.7	CORONA
3319	276.1238	86.5957	75.7875	1076952.072	1406616.842	139.8614	1.7	NIVEL
3320	289.3126	89.1432	46.3172	1076983.657	1406624.151	136.5061	1.7	CORONA
3321	282.4102	87.0511	69.0638	1076960.016	1406623.804	139.4044	1.7	NIVEL
3322	282.41	87.2812	84.0507	1076945.385	1406627.087	139.6041	1.7	NIVEL
3323	290.3525	87.1451	70.6489	1076961.242	1406633.477	139.2863	1.7	CORONA
3324	290.3726	87.3031	82.6376	1076950.031	1406637.734	139.486	1.7	NIVEL
3325	305.5324	87.395	64.5604	1076975.035	1406646.484	138.5251	1.7	CORONA
3326	305.5323	87.5734	79.5592	1076962.875	1406655.271	138.7265	1.7	NIVEL
3327	318.1057	88.015	66.8683	1076982.729	1406658.478	138.5916	1.3	CORONA
3328	288.1918	87.1631	69.0968	1076961.783	1406630.356	136.9785	3.9	PATA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3329	281.4811	86.5855	65.9476	1076962.844	1406622.132	137.166	3.9	PATA
3330	276.4901	87.3553	60.0902	1076967.699	1406615.79	136.212	3.9	PATA
3331	265.4705	87.1156	47.4877	1076980.015	1406605.184	135.7141	4.2	PATA
3332	265.052	84.5548	82.5097	1075583.958	1408360.047	150.0853	1.7	D-65 - GPS-6
3333	234.4652	85.5054	37.0622	1076997.129	1406587.363	136.3767	3.9	PATA
3334	218.0407	85.2739	35.9026	1077005.263	1406580.508	136.5348	3.9	PATA
3335	197.39	85.2159	34.2821	1077016.974	1406576.13	136.4629	3.9	PATA
3336	174.5427	84.4355	34.2616	1077030.363	1406574.717	136.8393	3.9	NIVEL
3337	160.3127	84.3359	37.0376	1077039.629	1406573.943	137.2006	3.9	NIVEL
3338	171.3148	81.5925	26.1463	1077031.144	1406583.091	137.3367	3.9	NIVEL
3339	182.2525	79.0048	18.4513	1077026.56	1406590.6	137.2099	3.9	NIVEL
3340	224.2819	86.3726	16.1394	1077016.035	1406597.194	136.8439	1.7	NIVEL
3341	158.4714	87.2841	7.1393	1077029.9	1406602.05	136.2075	1.7	NIVEL
3342	341.285	89.1203	46.1347	1077012.639	1406652.431	136.537	1.7	D28 - D29
3343	119.2122	91.5006	7.574	1077033.916	1406604.99	135.6509	1.7	LAMINA
3344	100.492	91.3351	9.3682	1077036.515	1406606.944	135.6377	1.7	LAMINA
3345	271.535	84.4704	96.7789	1075487.634	1408363.237	158.2586	1.7	GPS-6 - GPS-5
3346	87.4408	91.3352	11.4165	1077038.719	1406609.155	135.5817	1.7	LAMINA
3347	41.5334	92.4551	8.0488	1077032.68	1406614.685	135.5053	1.7	LAMINA
3348	26.1013	94.4414	8.5514	1077031.07	1406616.348	135.1872	1.7	NIVEL
3349	26.1543	94.3802	10.1351	1077031.78	1406617.759	135.0746	1.7	NIVEL
3350	26.2455	93.2906	11.8906	1077032.59	1406619.33	135.1706	1.7	NIVEL
3351	25.4224	91.5323	12.5558	1077032.752	1406620.008	135.4794	1.7	LAMINA
3352	282.0324	89.0645	22.2722	1077005.535	1406613.337	136.2383	1.7	NIVEL
3353	297.1852	90.5512	25.317	1077004.818	1406620.301	135.487	1.7	LAMINA
3354	300.1049	91.2618	26.375	1077004.515	1406621.94	135.2315	1.7	NIVEL
3355	302.5437	91.242	27.478	1077004.246	1406623.609	135.2194	1.7	NIVEL
3356	304.4618	90.4744	28.3044	1077004.059	1406624.825	135.5005	1.7	LAMINA
3357	340.5705	85.2415	17.2743	1077021.687	1406624.97	137.2775	1.7	D28 - D28 A
3358	287.1137	90.3845	48.0273	1076981.429	1406622.867	135.3521	1.7	LAMINA
3359	285.331	90.4505	48.5513	1076980.539	1406621.688	135.2568	1.7	NIVEL
3360	281.4951	90.4745	49.4292	1076978.935	1406618.803	135.2071	1.7	NIVEL
3361	280.0629	90.4019	48.9619	1076979.112	1406617.263	135.3195	1.7	LAMINA
3362	280.0631	90.4018	48.959	1076979.115	1406617.263	135.3196	1.7	NIVEL
3363	274.3528	90.3144	42.5062	1076984.946	1406612.076	135.5012	1.7	NIVEL
3364	288.1057	89.345	51.313	1076978.557	1406624.681	135.1692	2.8	LAMINA
3365	288.1057	89.3901	61.5798	1076968.801	1406627.88	135.1695	2.8	LAMINA
3366	288.16	90.0542	52.7783	1076977.188	1406625.212	134.706	2.8	NIVEL
3367	288.1559	90.053	54.7782	1076975.288	1406625.837	134.5061	3	NIVEL
3368	288.2151	89.5309	56.1632	1076974.003	1406626.362	134.8056	2.9	NIVEL
3369	304.3601	89.0455	49.7386	1076986.363	1406636.915	136.6905	1.7	CORONA
3370	316.5606	89.0527	49.5008	1076993.499	1406644.838	136.6789	1.7	NIVEL
3371	332.1251	88.5957	46.4636	1077005.636	1406649.785	136.605	1.8	CORONA
3372	322.0627	88.0927	37.1944	1077004.467	1406638.022	136.9893	1.8	NIVEL
3373	343.3203	88.0627	32.7406	1077018.023	1406640.073	136.9746	1.7	NIVEL
3374	7.37	88.2512	31.3457	1077031.451	1406639.757	136.7578	1.7	NIVEL
3375	161.2851	90.1752	46.1384	1077027.318	1406608.69	136.0274	1.7	D29 - D28
3376	254.1402	92.3707	26.5863	1076987.083	1406645.2	135.0524	1.7	LAMINA
3377	265.2114	95.1117	10.3996	1077002.316	1406651.586	135.3266	1.7	BORDE RIO
3378	254.0708	93.035	28.0486	1076985.704	1406644.751	134.7679	1.7	B
3379	277.1346	94.0044	13.0082	1076999.765	1406654.056	135.3569	1.7	NIVEL
3380	253.392	92.3716	29.7803	1076984.097	1406644.043	134.9052	1.7	NIVEL
3381	283.1338	94.0002	16.775	1076996.346	1406656.25	135.0967	1.7	LAMINA
3382	254.1931	92.0939	30.3493	1076983.443	1406644.22	135.1227	1.7	LAMINA
3383	283.2619	94.0026	17.769	1076995.396	1406656.54	135.0253	1.7	NIVEL
3384	284.215	93.5953	19.3429	1076993.943	1406657.207	134.9184	1.7	NIVEL
3385	253.4645	91.282	35.8305	1076978.251	1406642.406	135.3466	1.7	NIVEL
3386	286.0457	93.102	20.7975	1076992.682	1406658.172	135.1161	1.7	LAMINA
3387	254.2841	91.3955	37.1562	1076976.858	1406642.471	135.1872	1.7	BORDE RIO
3388	286.2345	92.0744	21.5411	1076991.984	1406658.495	135.4668	1.7	NIVEL
3389	291.2805	91.3705	25.4804	1076988.93	1406661.739	135.5476	1.7	NIVEL
3390	291.5116	87.3855	27.845	1076986.811	1406662.773	139.1095	0	CORONA



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3391	37.1747	97.2406	10.24	1077018.787	1406660.512	134.9479	1.7	NIVEL
3392	15.3321	96.2228	12.0003	1077015.83	1406663.922	134.9347	1.7	BORDE RIO
3393	10.5227	95.4404	13.8797	1077015.236	1406665.994	134.8802	1.7	NIVEL
3394	7.3203	94.3057	16.2226	1077014.75	1406668.464	134.9898	1.7	BORDE RIO
3395	25.1235	96.4841	27.0266	1077024.055	1406676.717	134.7617	0	BORDE RIO
3396	23.2311	94.4003	26.4274	1077023.08	1406676.613	134.1166	1.7	NIVEL
3397	21.2333	93.5516	25.91	1077022.054	1406676.505	134.4952	1.7	NIVEL
3398	20.1441	93.3233	25.6074	1077021.469	1406676.415	134.6847	1.7	LAMINA
3399	0.5113	92.2028	39.5769	1077013.205	1406691.971	134.6504	1.7	LAMINA
3400	0.0956	93.1735	39.2028	1077012.73	1406691.569	134.0152	1.7	NIVEL
3401	357.3524	92.5016	38.0624	1077011.019	1406690.412	134.3827	1.7	NIVEL
3402	355.1135	92.2859	37.087	1077009.513	1406689.351	134.6603	1.7	LAMINA
3403	11.1003	92.182	25.4021	1077017.54	1406677.334	135.2452	1.7	NIVEL
3404	350.2635	91.5701	36.0406	1077006.638	1406687.947	135.0406	1.7	NIVEL
3405	353.015	92.3919	24.5543	1077009.649	1406676.776	135.1296	1.7	NIVEL
3406	345.4513	91.3015	36.5314	1077003.632	1406687.821	135.3081	1.7	BORDE RIO
3407	345.5231	91.5107	25.3081	1077006.452	1406676.957	135.4492	1.7	NIVEL
3408	341.542	90.0539	36.6071	1077001.249	1406687.221	136.2068	1.7	NIVEL
3409	325.091	89.3336	33.8106	1076993.305	1406680.167	136.5268	1.7	NIVEL
3410	313.0112	90.1621	37.3577	1076985.312	1406677.902	136.9894	0.8	NIVEL
3411	332.1839	89.5227	43.7094	1076992.306	1406691.123	136.363	1.7	D29 - D30
3412	131.0523	85.3204	33.2822	1077037.659	1406630.637	138.8584	1.7	NIVEL
3413	111.5257	83.5215	29.9034	1077040.235	1406641.365	139.4599	1.7	NIVEL
3414	76.4532	82.3202	19.3513	1077031.313	1406656.836	139.0815	1.4	NIVEL
3415	112.5606	88.5332	18.6203	1077029.788	1406645.186	136.627	1.7	NIVEL
3416	76.5156	89.1802	14.9087	1077027.154	1406655.826	136.449	1.7	NIVEL
3417	32.5359	82.3011	27.0414	1077027.188	1406674.949	139.7953	1.7	CORONA
3418	13.3032	84.4907	38.9826	1077021.686	1406690.185	139.7876	1.7	CORONA
3419	358.4945	86.4113	50.3521	1077011.583	1406702.688	139.1772	1.7	CORONA
3420	348.3941	87.5252	62.8352	1077000.258	1406713.99	138.5906	1.7	CORONA
3421	339.1732	88.1708	73.4827	1076986.628	1406721.12	138.4658	1.7	CORONA
3422	335.0101	89.4801	75.1962	1076980.841	1406720.573	136.5295	1.7	CORONA
3423	353.055	87.502	64.3021	1077004.88	1406716.217	138.692	1.7	CULATA
3424	6.3744	86.3211	56.9471	1077019.168	1406708.897	139.7076	1.7	CULATA
3425	20.5832	85.402	53.475	1077031.698	1406702.23	140.3025	1.7	CULATA
3426	152.1838	89.2639	43.7181	1077012.642	1406652.425	136.5573	1.7	D30 - D29
3427	3.1744	93.5541	24.4972	1076993.697	1406715.523	134.4549	1.7	LAMINA
3428	2.3658	94.4518	24.0332	1076993.386	1406715.049	134.1408	1.7	NIVEL
3429	1.1058	94.4518	22.9134	1076992.764	1406713.953	134.2336	1.7	NIVEL
3430	358.1347	94.2601	21.9346	1076991.618	1406712.981	134.4374	1.7	LAMINA
3431	356.4658	93.5902	21.4205	1076991.095	1406712.457	134.6449	1.7	NIVEL
3432	346.2231	92.3148	16.9746	1076988.302	1406707.602	134.9337	2.15	BORDE RIO
3433	323.4315	90.5723	19.4922	1076980.765	1406706.828	135.8076	1.7	CORONA
3434	302.5717	91.1339	18.7979	1076976.531	1406701.337	135.7303	1.7	NIVEL
3435	223.3759	88.1224	30.6614	1076971.171	1406668.93	137.0926	1.7	NIVEL
3436	241.4413	90.335	18.9623	1076975.61	1406682.135	135.9464	1.7	NIVEL
3437	270.5013	91.0436	22.7805	1076969.532	1406691.443	135.705	1.7	NIVEL
3438	264.2814	90.5402	35.3625	1076957.114	1406687.696	135.5773	1.7	NIVEL
3439	284.3219	90.4239	34.001	1076959.391	1406699.639	135.7113	1.7	CORONA
3440	307.1356	91.0226	54.9441	1076948.549	1406724.336	135.1355	1.7	D30 - D31
3441	127.1359	88.2718	54.9536	1076992.304	1406691.123	136.3773	1.7	D31 - D30
3442	125.5854	84.4832	15.2753	1076960.864	1406715.406	136.2776	1.7	CORONA
3443	126.5143	87.0459	16.2865	1076961.568	1406714.586	134.6243	2.8	BORDE RIO
3444	128.0259	88.0246	17.8377	1076962.593	1406713.357	134.4037	2.8	LAMINA
3445	127.3219	88.4152	19.9533	1076964.373	1406712.191	134.249	2.8	NIVEL
3446	127.1355	88.1949	21.4534	1076965.63	1406711.371	134.4207	2.8	LAMINA
3447	130.4312	87.4945	26.2256	1076968.421	1406707.251	134.789	2.8	NIVEL
3448	175.1906	85.5529	11.9879	1076949.531	1406712.419	135.9475	1.5	NIVEL
3449	187.2107	94.1141	10.9191	1076947.161	1406713.535	134.0968	1.7	NIVEL
3450	198.0906	93.2503	13.4653	1076944.368	1406711.562	134.0928	1.7	LAMINA
3451	197.5208	93.3326	16.3657	1076943.545	1406708.787	133.8801	1.7	NIVEL
3452	199.4034	94.2946	14.1731	1076943.799	1406711.029	133.7844	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3453	202.3912	93.4546	17.8474	1076941.699	1406707.898	133.7242	1.7	NIVEL
3454	206.2	92.3149	18.9385	1076940.165	1406707.375	134.0595	1.7	L
3455	315.5256	98.405	6.0028	1076944.415	1406728.594	133.9895	1.7	NIVEL
3456	301.4209	98.541	7.4067	1076942.321	1406728.178	133.7493	1.7	LAMINA
3457	293.4741	97.1107	9.682	1076939.757	1406728.207	133.6845	1.7	NIVEL
3458	284.2809	96.3911	10.8405	1076938.121	1406727.021	133.6396	1.7	NIVEL
3459	279.5951	102.4138	11.132	1076937.853	1406726.216	134.1493	0	LAMINA
3460	339.0313	79.5309	19.2198	1076941.774	1406742.003	138.2708	1.7	CORONA
3461	15.2427	82.3217	22.2138	1076954.388	1406745.574	138.7804	0.7	CORONA
3462	39.1526	82.5723	29.2862	1076966.928	1406746.852	138.8868	1.3	CORONA
3463	39.1527	84.3638	38.2342	1076972.62	1406753.824	138.7868	1.4	CULATA
3464	62.1209	84.3748	34.2477	1076978.702	1406740.255	138.5008	1.3	NIVEL
3465	56.2712	85.4431	42.1227	1076983.545	1406747.57	139.7232	0	CULATA
3466	62.2158	87.0239	27.7378	1076973.082	1406737.199	136.3259	1.7	NIVEL
3467	41.3943	86.432	22.5344	1076963.494	1406741.152	136.184	1.7	NIVEL
3468	15.1426	86.0257	15.7403	1076952.668	1406739.489	136.38	1.3	NIVEL
3469	288.095	91.3345	43.7397	1076906.996	1406737.943	134.103	1.3	D31 - D30
3470	297.4316	88.4911	28.4364	1076923.374	1406737.547	137.1813	0	NIVEL
3471	293.3416	91.3157	28.5782	1076922.358	1406735.746	134.1313	1.7	LAMINA
3472	293.0615	92.5836	28.4743	1076922.387	1406735.48	133.4169	1.7	NIVEL
3473	289.4936	92.1857	28.0917	1076922.138	1406733.842	133.7604	1.7	NIVEL
3474	288.23	91.3416	28.1104	1076921.878	1406733.183	134.1248	1.7	LAMINA
3475	297.5507	96.523	13.9628	1076936.296	1406730.82	133.2241	1.7	NIVEL
3476	304.2542	99.0349	15.0797	1076936.261	1406732.749	132.52	1.7	NIVEL
3477	308.144	106.2022	15.5586	1076936.818	1406733.572	130.5185	1.7	NIVEL
3478	310.0926	99.0114	15.1511	1076937.107	1406733.98	134.12	0.1	LAMINA
3479	15.3935	79.1025	5.0638	1076949.888	1406729.126	135.8467	1.7	CORONA
3480	108.0949	88.341	43.7434	1076948.555	1406724.335	135.1403	1.4	D32 - D31
3481	316.2737	80.1643	7.3098	1076902.03	1406743.163	136.6823	0	CORONA
3482	298.3818	87.0256	6.8822	1076900.962	1406741.234	134.1023	1.7	LAMINA
3483	296.1241	89.1155	6.7475	1076900.941	1406740.92	133.8424	1.7	NIVEL
3484	283.3117	89.1209	6.71	1076900.472	1406739.508	133.8414	1.7	NIVEL
3485	268.1132	88.3618	6.969	1076900.033	1406737.719	133.9177	1.7	NIVEL
3486	264.2236	87.1815	7.0687	1076899.97	1406737.247	134.0805	1.7	LAMINA
3487	265.2718	88.2401	15.6664	1076891.386	1406736.693	134.1854	1.7	NIVEL
3488	85.2718	89.3327	15.6575	1076906.993	1406737.943	134.1114	1.7	D33 - D32
3489	102.393	78.3933	8.3424	1076899.367	1406734.905	135.6309	1.7	NIVEL
3490	122.5413	79.59	8.6624	1076898.55	1406732.063	135.4971	1.7	NIVEL
3491	153.0013	89.5855	9.8785	1076895.875	1406727.894	133.9935	1.7	NIVEL
3492	136.3628	88.2523	14.8158	1076901.566	1406725.937	134.3981	1.7	NIVEL
3493	19.3057	89.4149	12.1031	1076895.422	1406748.103	134.0544	1.7	LAMINA
3494	14.444	92.5918	11.3224	1076894.257	1406747.63	133.4001	1.7	NIVEL
3495	7.4238	95.0157	10.8631	1076892.832	1406747.418	133.0375	1.7	NIVEL
3496	358.0311	95.162	10.3402	1076891.03	1406746.984	133.0403	1.7	NIVEL
3497	345.2609	93.1841	10.3424	1076888.784	1406746.685	133.393	1.7	NIVEL
3498	342.1103	90.0217	10.6255	1076888.129	1406746.807	133.9834	1.7	LAMINA
3499	12.1041	89.224	27.886	1076897.252	1406763.954	134.2933	1.7	D33 - D34
3500	192.1042	89.3645	27.8901	1076891.385	1406736.688	134.172	1.75	D34 - D33
3501	162.0857	81.103	10.9942	1076900.589	1406753.614	135.72	1.7	CORONA
3502	108.0052	84.4809	18.5861	1076914.858	1406758.239	137.417	0	NIVEL
3503	168.1623	86.4557	5.6535	1076898.403	1406758.427	134.3523	1.7	BORDE RIO
3504	212.3302	89.0038	4.6762	1076894.739	1406760.011	134.1141	1.7	LAMINA
3505	230.4502	91.5054	5.2264	1076893.209	1406760.646	133.8647	1.7	NIVEL
3506	246.0337	96.291	6.1838	1076891.638	1406761.457	133.3348	1.7	NIVEL
3507	253.0507	103.1047	6.7714	1076890.946	1406762.032	134.1894	0	LAMINA
3508	66.5941	84.2427	24.1601	1076919.38	1406773.363	136.3878	1.7	CORONA
3509	57.2102	89.5424	25.3328	1076918.575	1406777.633	134.0746	1.7	BORDE RIO
3510	48.5319	89.5053	25.1577	1076916.198	1406780.506	134.1	1.7	LAMINA
3511	42.4215	90.131	24.2099	1076913.662	1406781.754	133.9407	1.7	NIVEL
3512	38.262	89.5003	22.7865	1076911.408	1406781.81	134.0992	1.7	LAMINA
3513	31.4949	88.48	22.5058	1076909.109	1406783.077	134.5047	1.7	NIVEL
3514	47.1313	89.5905	32.0045	1076920.731	1406785.704	134.0419	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3515	55.3336	90.0246	41.0469	1076931.091	1406787.187	134.0004	1.7	BORDE RIO
3516	61.3639	87.0802	41.5599	1076933.757	1406783.71	137.8116	0	NIVEL
3517	50.2631	90.0455	40.8778	1076928.754	1406790.005	133.9749	1.7	NIVEL
3518	45.5545	90.122	41.4907	1076927.046	1406792.829	133.8846	1.7	NIVEL
3519	44.1703	89.5924	41.8659	1076926.467	1406793.941	134.0407	1.7	LAMINA
3520	41.3539	89.1819	41.9254	1076925.065	1406795.322	136.2417	0	NIVEL
3521	52.2037	90.2446	58.7174	1076943.717	1406799.851	133.6104	1.7	LAMINA
3522	47.0922	90.1203	73.437	1076951.068	1406813.921	133.7761	1.7	D34 - D35
3523	227.0921	89.1749	73.4404	1076897.254	1406763.954	134.3126	1.7	D35 - D34
3524	144.5903	89.5957	6.5093	1076954.807	1406808.592	133.4112	1.7	LAMINA
3525	143.4726	92.3014	5.6511	1076954.406	1406809.368	133.1642	1.7	NIVEL
3526	130.5721	95.0528	3.3796	1076953.612	1406811.716	133.1112	1.7	NIVEL
3527	119.363	102.4636	2.0061	1076952.77	1406812.956	132.9674	1.7	NIVEL
3528	136.3614	91.0004	1.3137	1076951.971	1406812.967	133.3881	1.7	LAMINA
3529	293.5842	85.1436	3.3305	1076948.035	1406815.268	133.6873	1.7	BORDE RIO
3530	359.2051	90.1749	4.4808	1076951.015	1406818.402	133.3879	1.7	LAMINA
3531	6.4503	92.4306	4.7582	1076951.624	1406818.641	133.1854	1.7	NIVEL
3532	13.5617	95.3859	5.6206	1076952.413	1406819.351	132.8578	1.7	NIVEL
3533	19.4243	97.3359	6.5493	1076953.255	1406820.034	132.5487	1.7	NIVEL
3534	24.3034	95.3835	7.224	1076954.047	1406820.464	132.7008	1.7	NIVEL
3535	27.3133	90.0453	7.6714	1076954.61	1406820.726	133.4002	1.7	LAMINA
3536	35.4849	92.3015	9.1076	1076956.388	1406821.303	134.7132	0	NIVEL
3537	204.42	81.1208	28.6677	1076939.245	1406788.176	137.7958	1.7	NIVEL
3538	164.3542	72.4241	16.3712	1076955.229	1406798.854	138.2764	1.7	CORONA
3539	164.3542	81.5431	35.9918	1076960.554	1406779.573	138.4771	1.7	NIVEL
3540	128.5834	64.1622	11.1391	1076958.873	1406807.614	138.2465	1.7	NIVEL
3541	126.3046	80.1512	28.5268	1076973.675	1406797.205	138.2405	1.7	CULATA
3542	92.0259	71.0844	15.4946	1076965.723	1406813.405	138.4184	1.7	CULATA
3543	85.2409	65.1712	9.6117	1076959.771	1406814.626	137.4296	1.7	CORONA
3544	322.1234	88.385	16.1848	1076941.146	1406826.702	133.7932	1.7	D35 - D36
3545	47.1735	70.1338	12.4186	1076959.652	1406821.852	137.6122	1.7	CORONA
3546	1.1223	73.3101	19.139	1076951.444	1406832.27	138.8414	1.7	NIVEL
3547	329.125	81.5539	26.3626	1076937.696	1406836.337	137.1131	1.7	CORONA
3548	330.5011	81.5414	34.848	1076934.239	1406844.039	138.319	1.7	VIA
3549	334.0817	82.3323	37.7566	1076934.719	1406847.601	138.3025	1.7	VIA
3550	338.302	82.1726	38.8349	1076936.947	1406849.721	138.6208	1.7	CULATA
3551	317.3208	88.17	13.8657	1076941.706	1406824.14	133.8265	1.7	BORDE RIO
3552	328.0123	88.4604	15.0746	1076943.08	1406826.701	133.7353	1.7	NIVEL
3553	330.5116	90.0913	15.6724	1076943.428	1406827.605	133.3691	1.7	LAMINA
3554	331.53	90.5204	15.9702	1076943.535	1406828.001	133.1692	1.7	NIVEL
3555	334.0922	91.4352	16.5471	1076943.85	1406828.802	132.9112	1.7	NIVEL
3556	336.5119	92.422	17.5641	1076944.163	1406830.05	132.582	1.7	NIVEL
3557	338.1413	90.0233	18.1336	1076944.336	1406830.758	133.3977	1.7	BORDE RIO
3558	142.1232	88.5049	16.1827	1076951.068	1406813.922	133.7989	1.7	NIVEL
3559	197.3616	71.2942	5.6133	1076939.539	1406821.627	135.2548	1.7	NIVEL
3560	272.0656	90.2358	9.2696	1076931.883	1406827.039	133.4086	1.7	NIVEL
3561	276.0451	91.1409	9.2873	1076931.913	1406827.681	133.2729	1.7	NIVEL
3562	286.2832	91.4245	8.2394	1076933.247	1406829.033	133.227	1.7	NIVEL
3563	298.1751	91.2631	8.4387	1076933.716	1406830.697	133.2609	1.7	NIVEL
3564	307.3228	91.1753	8.5816	1076934.341	1406831.926	133.2788	1.7	NIVEL
3565	312.385	90.1055	8.6333	1076934.793	1406832.547	133.4458	1.7	BORDE RIO
3566	274.0456	93.4225	27.9864	1076913.288	1406828.674	133.3639	0	LAMINA
3567	277.4259	90.4407	28.3975	1076913.006	1406830.499	133.1089	1.7	NIVEL
3568	280.0318	90.2351	28.3576	1076913.222	1406831.637	133.2765	1.7	LAMINA
3569	289.3235	89.4326	26.8071	1076915.879	1406835.655	133.6025	1.7	BORDE RIO
3570	302.1115	87.3101	29.7005	1076916.025	1406842.494	134.7601	1.7	NIVEL
3571	299.4253	88.1533	41.9011	1076904.76	1406847.442	134.7461	1.7	NIVEL
3572	286.4946	90.3101	45.1207	1076897.952	1406839.741	133.0662	1.7	LAMINA
3573	284.5146	91.2047	45.1867	1076897.477	1406838.265	132.4117	1.7	NIVEL
3574	283.0646	91.3519	45.3809	1076896.96	1406836.969	132.2152	1.7	NIVEL
3575	281.0541	91.3528	45.5976	1076896.413	1406835.448	132.2073	1.7	NIVEL
3576	280.1832	90.2825	45.5253	1076896.353	1406834.823	133.0971	1.7	LAMINA

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3577	284.0251	90.2759	83.7228	1076859.918	1406846.977	133.1921	1.3	D36 - D37
3578	104.0251	89.3445	83.7225	1076941.146	1406826.702	133.8227	1.3	D37 - D36
3579	79.1051	80.1359	24.7044	1076883.829	1406851.561	138.698	0	ALTURA VIGA
3580	79.4334	80.211	25.0321	1076884.198	1406851.392	138.7021	0	ALTURA VIGA
3581	86.1817	80.4313	25.9416	1076885.466	1406848.642	138.6904	0	ALTURA VIGA
3582	87.3727	80.5009	26.1997	1076885.761	1406848.064	138.6798	0	ALTURA VIGA
3583	78.4805	86.0632	23.8275	1076883.236	1406851.607	134.4241	1.7	NIVEL
3584	64.3757	86.1337	24.5646	1076882.06	1406857.491	134.2236	1.9	NIVEL
3585	91.2946	87.3502	23.0402	1076882.931	1406846.389	133.7784	1.7	NIVEL
3586	92.1715	89.1034	21.0727	1076880.973	1406846.148	133.1102	1.7	CORONA
3587	108.5501	88.4408	20.5104	1076879.32	1406840.34	133.2597	1.7	CORONA
3588	94.3026	90.3812	20.2587	1076880.114	1406845.397	132.582	1.7	NIVEL
3589	98.0914	92.1408	20.0896	1076879.791	1406844.141	132.0235	1.7	NIVEL
3590	100.2621	92.1412	20.1055	1076879.678	1406843.348	131.8225	1.9	NIVEL
3591	106.1909	89.2236	20.4104	1076879.509	1406841.253	132.5792	2.15	NIVEL
3592	110.4441	87.2645	20.548	1076879.119	1406839.717	133.7229	1.7	NIVEL
3593	117.3829	84.0915	21.2908	1076878.687	1406837.161	134.9757	1.7	NIVEL
3594	118.0151	78.3725	21.1787	1076878.251	1406837.23	138.6847	0	VIGA
3595	118.1002	79.5022	23.7695	1076880.551	1406835.944	138.7002	0	VIGA
3596	55.3123	83.0126	15.3509	1076872.474	1406855.609	134.6716	1.7	NIVEL
3597	49.0123	78.5048	7.9661	1076865.816	1406852.105	134.348	1.7	NIVEL
3598	118.56	83.2706	14.2719	1076872.331	1406840.124	134.4347	1.7	NIVEL
3599	174.4341	84.1156	7.0109	1076860.563	1406840.032	133.5157	1.7	BORDE RIO
3600	223.1205	86.2644	3.628	1076857.441	1406844.336	133.032	1.7	LAMINA
3601	262.471	97.2515	3.4369	1076856.538	1406846.547	132.3632	1.7	NIVEL
3602	293.1427	96.4216	3.9322	1076856.329	1406848.516	132.348	1.7	NIVEL
3603	312.4929	88.2605	5.6618	1076855.765	1406850.822	132.9617	1.7	LAMINA
3604	313.2812	68.0632	11.6398	1076852.076	1406854.403	137.1469	1.7	CORONA
3605	205.5542	89.1608	38.6628	1076843.034	1406812.199	133.3005	1.7	D37 - D38
3606	259.2528	72.3936	13.8937	1076846.883	1406844.536	136.948	1.7	CORONA
3607	238.3328	78.5823	20.3859	1076842.853	1406836.53	136.7064	1.7	NIVEL
3608	222.3111	80.2234	29.4652	1076840.297	1406825.554	137.7331	1.7	CORONA
3609	208.5925	89.2635	17.777	1076851.312	1406831.423	132.98	1.7	LAMINA
3610	213.0736	90.0836	18.3721	1076849.887	1406831.585	132.7612	1.7	NIVEL
3611	217.2015	90.5715	19.4005	1076848.162	1406831.547	132.4841	1.7	NIVEL
3612	220.5223	91.2719	20.3764	1076846.597	1406831.567	132.2896	1.7	NIVEL
3613	221.481	89.172	20.6588	1076846.158	1406831.57	133.0635	1.7	LAMINA
3614	25.5542	89.4853	38.6604	1076859.919	1406846.977	133.2057	1.7	D38 - D37
3615	100.2831	91.2602	8.7647	1076851.651	1406810.611	132.8612	1.7	NIVEL
3616	100.2831	91.26	8.7632	1076851.65	1406810.611	132.8613	1.7	LAMINA
3617	97.1132	97.2348	8.5132	1076851.411	1406811.147	131.9845	1.7	NIVEL
3618	89.3853	94.0116	7.247	1076850.263	1406812.248	132.5723	1.7	NIVEL
3619	83.541	91.5138	6.8289	1076849.821	1406812.928	132.8588	1.7	LAMINA
3620	52.3527	91.0355	10.8327	1076851.634	1406818.784	132.8791	1.7	LAMINA
3621	64.0849	87.0551	4.2024	1076846.81	1406814.031	133.2933	1.7	NIVEL
3622	336.4918	87.4542	4.989	1076841.07	1406816.781	133.2753	1.7	BORDE RIO
3623	270.2322	88.4628	7.9166	1076835.12	1406812.248	133.2498	1.7	BORDE RIO
3624	247.1328	91.0033	8.5988	1076835.109	1406808.866	132.9291	1.7	LAMINA
3625	239.5316	92.5323	8.9396	1076835.314	1406807.715	132.6298	1.7	NIVEL
3626	232.002	94.4105	9.6079	1076835.491	1406806.3	132.2958	1.7	NIVEL
3627	225.5337	92.0349	10.3674	1076835.599	1406804.984	132.7072	1.7	NIVEL
3628	219.58	90.4546	11.5932	1076835.593	1406803.31	132.9262	1.7	LAMINA
3629	320.5329	69.421	12.396	1076835.695	1406821.216	137.3806	1.7	CORONA
3630	83.5858	76.0602	20.8686	1076863.179	1406814.334	138.0936	1.7	NIVEL
3631	130.2501	69.242	13.7498	1076852.838	1406803.86	137.917	1.7	NIVEL
3632	158.2103	68.1028	12.8431	1076847.439	1406801.12	137.8553	1.7	NIVEL
3633	192.2905	70.095	13.6797	1076840.26	1406799.634	137.7225	1.7	CULATA
3634	227.2149	77.0654	21.1276	1076827.891	1406798.24	137.7919	1.7	CULATA
3635	237.0649	81.2235	31.6797	1076816.742	1406795.177	137.8307	1.7	CULATA
3636	246.5318	84.2704	42.0274	1076804.57	1406795.758	138.0445	0.8	CULATA
3637	253.4147	85.4305	47.9773	1076797.122	1406798.742	137.8628	0.5	CULATA
3638	258.3623	90.1107	53.1564	1076790.932	1406801.669	133.3087	1.3	D38 - D39

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3639	259.2801	90.2746	32.2784	1076811.304	1406806.281	133.2198	1.3	BORDE RIO
3640	255.261	90.3621	32.9931	1076811.108	1406803.885	133.1318	1.3	NIVEL
3641	250.4951	91.0139	35.5286	1076809.488	1406800.516	132.8436	1.3	NIVEL
3642	249.4009	90.2449	36.2209	1076809.078	1406799.596	133.2192	1.3	LAMINA
3643	78.3623	90.0109	53.1598	1076843.038	1406812.2	133.3161	1.3	D39 - D38
3644	6.0243	87.0501	28.7134	1076793.936	1406830.187	134.3947	1.7	NIVEL
3645	343.3334	86.5033	16.6052	1076786.23	1406817.568	133.8484	1.7	CORONA
3646	335.59	90.0845	15.2074	1076784.734	1406815.556	132.895	1.7	BORDE RIO
3647	329.1616	90.3308	14.1486	1076783.695	1406813.826	132.7973	1.7	LAMINA
3648	323.0307	91.4434	13.0485	1076783.086	1406812.088	132.5369	1.7	NIVEL
3649	311.4231	91.4437	12.0155	1076781.961	1406809.654	132.5681	1.7	NIVEL
3650	300.405	90.3707	11.0411	1076781.433	1406807.297	132.8145	1.7	LAMINA
3651	287.2749	77.2631	8.8495	1076782.691	1406804.256	134.8579	1.7	GAVION CORONA
3652	279.2527	75.3514	9.1906	1076782.15	1406803.121	135.2213	1.7	GAVION CORONA
3653	270.5258	57.2315	7.8775	1076784.297	1406801.767	137.1793	1.7	CORONA
3654	285.1827	80.081	21.6534	1076770.352	1406807.289	136.3432	2	NIVEL
3655	323.4258	90.0832	73.8826	1076747.175	1406861.2	132.7509	1.7	D39 - D40
3656	338.5944	88.0444	38.7652	1076790.933	1406801.666	134.2333	1.7	D40 - D39
3657	345.5906	88.1507	32.9232	1076777.024	1406837.83	134.338	1.3	GAVION CORONA
3656	143.4259	89.4445	73.8863	1076768.575	1406814.546	133.3439	1.3	
3657	155.233	87.5523	51.3616	1076782.944	1406833.592	134.4774	1.7	GAVION CORONA
3658	154.0817	88.0835	50.9283	1076769.405	1406815.409	134.2664	1.7	GAVION CORONA
3659	158.0424	85.0731	51.4404	1076766.341	1406813.664	136.9872	1.7	CORONA
3660	167.4042	84.0731	45.2968	1076756.816	1406817.184	137.2523	1.7	NIVEL
3661	167.2332	82.4045	33.7098	1076754.492	1406828.575	136.9114	1.7	CORONA
3662	160.5515	92.3325	31.6465	1076757.526	1406831.328	132.9041	0	LAMINA
3663	158.1614	90.3427	31.3737	1076758.806	1406832.064	132.3016	1.7	NIVEL
3664	154.5735	89.5957	31.0363	1076760.327	1406833.088	132.6164	1.7	NIVEL
3665	152.1838	89.3134	30.9311	1076761.563	1406833.82	132.8718	1.7	NIVEL
3666	145.5916	89.0145	31.1286	1076764.6	1406835.41	133.1433	1.7	LAMINA
3667	137.2103	88.4353	29.6949	1076767.301	1406839.376	133.2733	1.7	BORDE RIO
3668	126.2942	87.3442	29.3838	1076770.786	1406843.753	134.2575	1.3	NIVEL
3669	181.4931	80.4819	25.8962	1076746.375	1406835.649	136.754	1.7	CORONA
3670	179.5011	79.0147	18.8705	1076747.239	1406842.674	136.2069	1.7	NIVEL
3671	87.2605	73.0706	14.8774	1076761.397	1406861.845	136.9363	1.7	NIVEL
3672	41.1222	77.5043	20.7959	1076760.559	1406876.503	136.9946	1.7	NIVEL
3673	209.1559	78.2011	17.1405	1076738.977	1406846.551	136.0811	1.7	NIVEL
3674	261.1012	77.0419	20.2339	1076727.69	1406858.162	137.1428	1.7	NIVEL
3675	280.5838	78.435	23.7068	1076724.348	1406865.614	137.2488	1.7	CORONA
3676	259.3412	83.1723	41.3806	1076706.761	1406853.737	137.4513	1.7	NIVEL
3677	298.3518	85.2052	40.6246	1076711.61	1406880.555	135.911	1.7	CORONA
3678	42.5222	85.4957	15.6868	1076757.813	1406872.672	133.7559	1.7	BORDE RIO
3679	27.3753	85.0626	13.3865	1076753.354	1406873.02	133.7577	1.7	NIVEL
3680	303.4248	88.2425	40.7427	1076713.285	1406883.786	133.2487	2.2	BORDE RIO
3681	291.2546	86.482	23.251	1076725.56	1406869.669	133.9115	1.7	BORDE RIO
3682	240.433	81.5458	13.1492	1076735.823	1406854.827	134.465	1.7	NIVEL
3683	195.1013	81.2513	11.5701	1076744.188	1406850.156	134.342	1.7	NIVEL
3684	19.2243	88.365	12.5637	1076751.336	1406873.051	132.9198	1.7	NIVEL
3685	1.3926	89.1954	11.0642	1076747.489	1406872.259	132.745	1.7	NIVEL
3686	344.4731	89.3752	10.9335	1076744.301	1406871.749	132.6863	1.7	LAMINA
3687	339.1148	90.094	11.3865	1076743.125	1406871.842	132.5839	1.7	NIVEL
3688	330.4139	90.0759	12.5375	1076741.032	1406872.129	132.5868	1.7	NIVEL
3689	324.5843	89.3617	13.1337	1076739.632	1406871.951	132.7065	1.7	LAMINA
3690	322.2939	84.5632	13.1509	1076739.194	1406871.587	133.7753	1.7	NIVEL
3691	159.1544	86.5102	38.8524	1076760.932	1406824.928	134.7505	1.7	GAVION
3692	164.5855	85.2101	24.7964	1076753.593	1406837.333	134.626	1.7	GAVION
3693	167.1404	85.4601	24.9958	1076752.697	1406836.892	134.461	1.7	GAVION
3694	336.5318	88.4516	51.2143	1076727.05	1406908.281	133.7293	1.7	D40 - D41
3695	156.5317	90.4818	51.21	1076747.176	1406861.198	132.8249	1.65	D41 - D40
3696	158.0441	89.0358	21.7409	1076735.178	1406888.12	133.8987	1.65	NIVEL
3697	89.1334	83.2531	27.3609	1076754.229	1406908.664	136.6272	1.7	CORONA
3698	44.3343	78.4103	17.5743	1076739.135	1406920.566	136.9427	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3699	78.0426	88.4132	1.7021	1076728.715	1406908.634	133.5331	1.7	NIVEL
3700	5.1857	77.4507	16.5104	1076728.536	1406924.347	136.9969	1.7	CORONA
3701	5.1857	84.0901	36.3195	1076730.377	1406944.258	137.196	1.7	NIVEL
3702	343.4716	78.3934	16.2231	1076722.601	1406923.553	136.6844	1.7	CORONA
3703	343.4717	84.3555	36.103	1076716.996	1406942.789	136.8928	1.7	NIVEL
3704	70.3411	101.4511	5.7246	1076732.335	1406910.149	132.3282	1.7	LAMINA
3705	61.3749	99.2805	7.7635	1076733.786	1406911.924	132.2172	1.7	NIVEL
3706	50.133	98.0821	9.4536	1076734.239	1406914.273	132.1559	1.7	NIVEL
3707	42.5321	99.3933	10.8113	1076734.3	1406916.094	131.6803	1.7	NIVEL
3708	39.1159	100.5015	12.1789	1076734.605	1406917.555	131.2044	1.7	NIVEL
3709	35.5724	102.1836	13.3491	1076734.702	1406918.843	132.3483	0	LAMINA
3710	345.4136	94.5613	14.1332	1076723.563	1406921.923	132.278	1.7	LAMINA
3711	341.4426	100.4815	13.5264	1076722.88	1406920.897	130.9588	1.7	NIVEL
3712	336.5734	100.3817	12.4061	1076722.272	1406919.499	131.2041	1.7	NIVEL
3713	326.3402	98.5902	10.5989	1076721.278	1406917.015	131.8392	1.7	NIVEL
3714	320.2113	96.5648	9.7591	1076720.865	1406915.737	132.314	1.7	LAMINA
3715	301.1328	95.4305	8.6635	1076719.676	1406912.746	132.6311	1.7	NIVEL
3716	285.3258	90.0542	8.7204	1076718.648	1406910.614	133.4799	1.7	NIVEL
3717	243.383	89.4041	7.5957	1076720.246	1406904.905	133.537	1.7	NIVEL
3718	313.4617	86.4234	22.548	1076710.786	1406923.845	136.4886	0	NIVEL
3719	311.0433	93.05	22.6278	1076710.009	1406923.118	132.2772	1.7	LAMINA
3720	311.0055	93.3548	21.1355	1076711.127	1406922.115	132.1685	1.7	NIVEL
3721	306.2327	93.4125	19.1049	1076711.697	1406919.584	132.2647	1.7	LAMINA
3722	304.4618	94.1746	18.3566	1076712.008	1406918.712	132.1192	1.7	NIVEL
3723	303.1044	94.1532	16.7569	1076713.059	1406917.418	132.2499	1.7	LAMINA
3724	279.3338	92.4014	31.3075	1076696.208	1406913.458	132.0357	1.7	LAMINA
3725	276.3859	92.4023	31.9286	1076695.369	1406911.957	132.0054	1.7	LAMINA
3726	287.2813	91.4633	33.3084	1076695.288	1406918.258	132.4621	1.7	NIVEL
3727	257.4845	88.1336	15.369	1076712.037	1406905.03	133.9699	1.7	NIVEL
3728	293.1538	90.5446	36.5822	1076693.438	1406922.707	132.9117	1.7	NIVEL
3729	299.2433	90.5446	36.5814	1076695.177	1406926.224	133.1117	1.5	BORDE RIO
3730	269.1214	89.4745	30.6631	1076696.391	1406907.838	133.8035	1.5	NIVEL
3731	289.0209	91.0754	62.7255	1076667.755	1406928.702	132.2557	1.7	D41 - D42
3732	303.0932	86.4901	35.4385	1076697.418	1406927.618	135.9622	1.2	CORONA
3733	109.0209	88.2349	62.739	1076727.052	1406908.281	133.7011	1.75	D42 - D41
3734	172.0817	80.03	34.6179	1076672.438	1406894.928	137.9274	1.75	CORONA
3735	187.0636	76.1741	21.4951	1076665.182	1406907.978	137.0885	1.7	CORONA
3736	173.5446	84.1734	19.1234	1076669.784	1406909.782	133.8974	1.7	NIVEL
3737	163.331	86.1339	29.1113	1076675.995	1406900.847	133.9111	1.7	NIVEL
3738	183.2351	75.5837	6.5352	1076667.383	1406922.373	133.5793	1.7	NIVEL
3739	198.1327	68.1703	8.2844	1076665.352	1406921.39	136.761	0	CORONA
3740	107.3423	89.1713	29.085	1076695.486	1406919.937	132.5577	1.5	NIVEL
3741	115.1022	89.1722	29.084	1076694.082	1406916.347	132.5565	1.5	NIVEL
3742	115.151	89.1724	29.0797	1076694.061	1406916.312	132.3561	1.7	NIVEL
3743	118.3438	89.5419	29.3495	1076693.537	1406914.678	132.0443	1.7	LAMINA
3744	120.1911	90.2119	29.4462	1076693.182	1406913.852	131.8132	1.7	NIVEL
3745	123.125	90.0819	29.366	1076692.333	1406912.63	131.9248	1.7	NIVEL
3746	125.4247	93.0212	30.1691	1076692.226	1406911.13	132.0975	0	LAMINA
3747	308.0027	59.4817	9.059	1076661.583	1406933.52	136.5519	1.7	CORONA
3748	349.3048	77.4956	18.3038	1076664.489	1406946.294	135.8537	1.7	NIVEL
3749	5.465	83.0718	25.0998	1076670.251	1406953.496	135.0017	1.7	NIVEL
3750	88.1412	81.3809	15.2621	1076682.847	1406929.175	135.9158	0	CORONA
3751	93.5627	84.4758	12.2077	1076679.884	1406927.874	133.1023	1.7	NIVEL
3752	90.5426	90.0638	10.0783	1076677.832	1406928.548	131.9762	1.7	BORDE RIO
3753	96.4425	89.4203	8.3157	1076676.014	1406927.731	132.0391	1.7	NIVEL
3754	104.1428	91.2411	6.7042	1076674.252	1406927.057	131.8315	1.7	LAMINA
3755	119.0955	90.4152	5.2205	1076672.315	1406926.161	131.9321	1.7	NIVEL
3756	135.3911	91.0237	4.6546	1076671.01	1406925.376	131.9109	1.7	NIVEL
3757	146.0514	89.4949	4.5058	1076670.271	1406924.964	132.009	1.7	LAMINA
3758	2.5549	90.0501	17.2283	1076668.626	1406945.908	131.9706	1.7	LAMINA
3759	5.1447	92.0657	16.927	1076669.292	1406945.548	131.3708	1.7	NIVEL
3760	10.4308	92.3048	16.62	1076670.834	1406945.018	131.2669	1.7	NIVEL

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3761	14.5818	90.532	16.3026	1076671.957	1406944.452	131.7428	1.7	NIVEL
3762	17.324	90.021	16.4215	1076672.696	1406944.363	131.9853	1.7	LAMINA
3763	37.5323	87.2736	18.2897	1076678.968	1406943.129	132.8062	1.7	NIVEL
3764	52.2237	84.4549	20.3673	1076683.813	1406941.093	133.8545	1.7	NIVEL
3765	58.2845	83.515	23.2536	1076687.457	1406940.801	134.4814	1.7	CORONA
3766	26.1236	90.1132	26.0253	1076679.236	1406952.058	131.9084	1.7	LAMINA
3767	13.4607	90.1132	26.0261	1076673.935	1406953.984	131.9084	1.7	LAMINA
3768	32.1435	90.0059	35.1227	1076686.477	1406958.419	131.9856	1.7	LAMINA
3769	31.3815	90.0521	51.1425	1076694.557	1406972.259	131.9162	1.7	D42 - D43
3770	211.3815	89.1927	51.1456	1076667.755	1406928.702	132.2697	1.7	D43 - D42
3771	219.5724	88.5729	12.0305	1076686.837	1406963.035	131.885	1.7	NIVEL
3772	234.2005	89.0224	12.3372	1076684.539	1406965.061	131.8729	1.7	NIVEL
3773	245.5722	95.505	12.7134	1076683.01	1406967.1	132.071	0	LAMINA
3774	291.5618	80.2333	11.2714	1076684.246	1406976.405	133.5474	1.7	NIVEL
3775	301.4929	72.3758	15.6547	1076681.857	1406980.131	136.3391	1.7	CORONA
3776	343.5301	75.4955	17.9716	1076689.71	1406988.997	136.0651	1.7	NIVEL
3777	71.0125	85.3416	26.0469	1076719.11	1406980.718	135.3776	0	NIVEL
3778	9.4635	81.0545	29.3837	1076699.47	1407000.87	136.2143	1.7	CORONA
3779	9.41	83.5035	44.3407	1076701.947	1407015.72	136.4219	1.7	NIVEL
3780	342.2147	81.4402	33.0252	1076684.637	1407003.399	136.4143	1.7	NIVEL
3781	64.0237	89.522	27.8465	1076719.587	1406984.461	131.7283	1.7	BORDE RIO
3782	60.2742	90.0439	27.9937	1076718.904	1406986.074	131.6284	1.7	NIVEL
3783	14.1221	84.5402	18.7383	1076699.127	1406990.355	133.3318	1.7	NIVEL
3784	56.05	90.0906	28.1007	1076717.867	1406987.952	131.5919	1.7	NIVEL
3785	32.1451	85.0109	17.769	1076703.994	1406987.236	133.2089	1.7	NIVEL
3786	51.1112	90.0752	27.5184	1076715.989	1406989.519	131.6033	1.7	NIVEL
3787	49.0834	89.5418	27.3132	1076715.205	1406990.139	131.7115	1.7	LAMINA
3788	47.2148	88.2255	72.2473	1076747.658	1407021.206	133.7065	1.7	D43 - D44
3789	227.2147	91.063	72.2373	1076694.553	1406972.255	131.9095	1.75	NIVEL
3790	207.4714	91.4724	23.4834	1076736.727	1407000.435	132.573	1.75	CORONA
3791	232.0826	92.3116	25.5208	1076727.537	1407005.547	132.2339	1.7	BORDE RIO
3792	226.4108	93.2548	24.6679	1076729.751	1407004.304	131.8807	1.7	NIVEL
3793	212.5621	94.4909	21.8975	1076735.803	1407002.887	131.6169	1.6	LAMINA
3794	223.0922	93.4824	23.7727	1076731.443	1407003.893	131.7782	1.7	LAMINA
3795	219.3422	95.2509	20.6562	1076734.566	1407005.348	131.4057	1.7	NIVEL
3796	215.0732	95.2519	20.6524	1076735.837	1407004.384	131.2051	1.9	NIVEL
3798	234.0101	90.2305	28.3973	1076724.689	1407004.509	133.1659	1.7	NIVEL
3799	304.562	93.4205	18.5561	1076732.472	1407031.803	132.1586	1.7	BORDE RIO
3800	254.1459	89.5254	32.1962	1076716.675	1407012.449	133.423	1.7	NIVEL
3801	310.342	94.5831	16.8602	1076734.893	1407032.124	131.8943	1.7	NIVEL
3802	319.1744	95.4505	16.0598	1076737.23	1407033.314	131.7471	1.7	LAMINA
3803	325.3741	96.1659	15.2364	1076739.1	1407033.702	131.6891	1.7	NIVEL
3804	333.2206	96.5425	14.8965	1076741.021	1407034.422	131.5651	1.7	NIVEL
3805	339.171	97.2049	14.8214	1076742.45	1407034.953	131.4612	1.7	NIVEL
3806	342.2107	96.1012	14.9464	1076743.144	1407035.364	131.7501	1.7	LAMINA
3807	254.1536	86.2442	39.7715	1076709.459	1407010.417	135.8458	1.7	CORONA
3808	267.5147	83.5553	28.764	1076719.075	1407020.123	136.3974	1.7	CORONA
3809	286.0557	84.5804	28.9996	1076719.898	1407029.201	135.9002	1.7	CORONA
3810	285.1455	86.4716	48.9644	1076700.484	1407034.037	136.1004	1.7	NIVEL
3811	302.0822	86.4235	37.3736	1076716.052	1407041.038	135.5017	1.7	CORONA
3812	208.1255	88.1845	10.663	1076742.624	1407011.811	133.6705	1.7	NIVEL
3813	212.1624	95.2416	10.8896	1076741.874	1407012.037	131.8509	2.18	LAMINA
3814	342.2458	87.1739	6.3421	1076745.74	1407027.244	133.6559	1.7	CORONA
3815	297.1237	90.0043	24.6018	1076725.772	1407032.443	133.3514	1.7	NIVEL
3816	345.1044	92.0937	20.461	1076742.416	1407040.969	132.5853	1.7	CORONA
3817	338.5103	91.1016	34.8124	1076735.082	1407053.66	132.645	1.7	CORONA
3818	336.3322	92.4134	36.5376	1076733.118	1407054.682	131.64	1.7	LAMINA
3819	333.5127	92.5602	36.2848	1076731.673	1407053.727	131.4993	1.7	NIVEL
3820	331.3619	92.4817	36.3412	1076730.378	1407053.127	131.5784	1.7	LAMINA
3821	326.4352	92.0856	36.2418	1076727.773	1407051.476	131.9977	1.7	NIVEL
3822	315.1413	92.1552	36.6199	1076721.876	1407047.172	131.9096	1.7	BORDE RIO
3823	317.0805	91.4259	59.2508	1076707.344	1407064.592	131.5819	1.7	BORDE RIO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3824	320.18	91.5145	61.2967	1076708.497	1407068.321	131.3645	1.7	LAMINA
3825	322.3103	91.5651	62.2145	1076709.793	1407070.526	131.2424	1.7	NIVEL
3826	324.2918	91.4735	63.2189	1076710.924	1407072.62	131.3788	1.7	LAMINA
3827	326.2354	91.3805	64.2145	1076712.104	1407074.649	131.5247	1.7	NIVEL
3828	327.0347	90.1732	64.5431	1076712.534	1407075.355	133.0277	1.7	NIVEL
3829	333.1413	90.1733	64.5635	1076718.552	1407078.836	132.5271	2.2	NIVEL
3830	320.2918	90.3533	87.4951	1076691.955	1407088.673	132.852	1.3	D44 - D45
3831	9.1402	89.535	31.4702	1076752.69	1407052.271	133.4131	1.7	GAVION
3832	7.0813	88.0759	30.9928	1076751.489	1407051.945	133.0663	3	GAVION
3833	140.2917	89.312	87.4933	1076747.658	1407021.207	133.727	1.3	D45 - D44
3834	281.0843	87.5807	7.2677	1076684.828	1407090.073	132.8546	1.7	CORONA
3835	268.2051	100.1041	7.2493	1076684.823	1407088.463	131.316	1.7	LAMINA
3836	256.201	103.2317	8.9851	1076683.462	1407086.603	130.5166	1.7	NIVEL
3837	256.2006	103.2315	8.9932	1076683.455	1407086.601	130.5147	1.7	NIVEL
3838	245.1112	100.3314	10.0648	1076682.976	1407084.516	130.7535	1.7	NIVEL
3839	239.1238	97.335	11.694	1076682	1407082.733	131.0577	1.7	NIVEL
3840	236.032	96.0006	12.2902	1076681.819	1407081.842	131.312	1.7	LAMINA
3841	257.5734	89.1446	28.502	1076664.086	1407082.712	132.9721	1.7	CORONA
3842	226.5423	93.1546	15.8112	1076680.434	1407077.882	131.6971	1.7	NIVEL
3843	226.5423	93.1551	15.8255	1076680.423	1407077.872	131.6959	1.7	BORDE RIO
3844	254.3924	92.1134	28.1071	1076664.873	1407081.226	131.5216	1.7	NIVEL
3845	219.4107	89.5205	17.222	1076680.965	1407075.413	132.6367	1.7	NIVEL
3846	202.4832	86.0026	29.2912	1076680.643	1407061.731	136.3366	0	CORONA
3847	252.0423	92.372	27.673	1076665.658	1407080.149	131.3311	1.7	LAMINA
3848	249.5953	92.5846	27.0731	1076666.554	1407079.411	131.1899	1.7	NIVEL
3849	243.5959	93.1604	26.2742	1076668.385	1407077.16	131.0993	1.7	NIVEL
3850	245.3448	93.1553	26.2627	1076668.086	1407077.819	131.1014	1.7	NIVEL
3851	239.4755	92.5059	25.7027	1076669.776	1407075.747	131.3192	1.7	LAMINA
3852	233.1705	93.0329	24.7161	1076672.179	1407073.907	131.2785	1.7	NIVEL
3853	240.4659	92.1801	38.2389	1076658.618	1407070.004	131.0624	1.7	LAMINA
3854	236.1732	92.1735	38.3508	1076660.089	1407067.389	131.0626	1.7	LAMINA
3855	226.502	88.5822	25.1151	1076673.648	1407071.485	133.0473	1.7	NIVEL
3856	249.4106	91.5658	45.1164	1076649.678	1407072.995	131.0625	1.7	LAMINA
3857	255.0227	91.3055	50.5664	1076643.126	1407075.597	131.2601	1.7	D45 - D46
3858	258.1729	84.3458	36.2346	1076656.637	1407081.332	136.4178	1.3	D45 - D
3859	75.0227	87.5127	50.5788	1076691.95	1407088.672	132.8861	1.7	D46 -D45
3860	57.5051	80.1056	12.7945	1076653.796	1407082.312	134.8767	0	VIGAS
3861	65.5421	81.0229	13.9735	1076655.724	1407081.239	134.871	0	VIGAS
3862	66.5515	81.102	14.1931	1076656.026	1407081.102	134.8733	0	NIVEL
3863	69.1623	86.5746	10.8691	1076653.276	1407079.444	131.571	1.7	BORDE RIO
3864	99.2423	84.3957	8.1481	1076651.131	1407074.276	131.7526	1.7	NIVEL
3865	111.4134	89.0702	7.8362	1076650.408	1407072.705	131.1158	1.7	LAMINA
3866	125.0407	93.5022	7.6968	1076649.414	1407071.188	130.4797	1.7	NIVEL
3867	136.0809	96.0742	9.2804	1076649.524	1407068.948	130.0043	1.7	NIVEL
3868	141.3306	96.0836	9.2955	1076648.877	1407068.362	129.9003	1.8	NIVEL
3869	147.3107	98.47	9.7337	1076648.297	1407067.485	131.2088	0	LAMINA
3870	124.5207	75.4438	8.8306	1076650.151	1407070.708	134.8697	0	VIGAS
3871	124.4423	75.1528	8.5231	1076649.902	1407070.904	134.864	0	NIVEL
3872	124.5658	69.474	6.371	1076648.029	1407072.175	134.8956	0	NIVEL
3873	124.1945	68.5739	6.0492	1076647.791	1407072.416	134.8668	0	VIGAS
3874	314.3351	88.5849	7.6549	1076637.67	1407080.965	131.1314	1.7	LAMINA
3875	297.0252	93.3458	7.4955	1076636.462	1407078.995	130.5267	1.7	NIVEL
3876	288.5708	96.1435	7.7405	1076635.848	1407078.092	130.1533	1.7	NIVEL
3877	278.2513	95.5917	7.7498	1076635.501	1407076.721	129.9866	1.9	NIVEL
3878	280.5709	93.4727	12.3868	1076630.991	1407077.939	130.1762	1.7	NIVEL
3879	278.2917	89.2739	12.9906	1076630.278	1407077.507	131.1173	1.7	LAMINA
3880	282.2356	79.5123	15.7645	1076627.968	1407078.921	135.4715	0	CORONA
3881	306.5043	89.4007	21.7479	1076625.715	1407088.628	131.1209	1.7	LAMINA
3882	304.4045	84.1907	27.9629	1076620.235	1407091.416	135.4634	0	NIVEL
3883	288.382	83.5702	29.1149	1076615.687	1407084.835	135.7634	0	CULATA
3884	319.0404	88.345	38.1389	1076618.13	1407104.388	131.94	1.7	BORDE RIO
3885	328.1508	89.1625	38.41	1076622.899	1407108.246	131.4821	1.7	NIVEL



PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3886	324.3357	89.3145	55.2387	1076611.077	1407120.585	131.8493	1.3	D46 - D47
3887	144.3356	90.4644	55.2444	1076643.128	1407075.595	131.2786	1.3	D47 - D46
3888	130.3802	91.3249	24.1401	1076629.398	1407104.88	131.3776	1.3	LAMINA
3889	128.1835	91.4953	24.5454	1076630.335	1407105.388	131.2449	1.3	NIVEL
3890	123.5339	92.1758	25.8	1076632.483	1407106.221	130.9942	1.3	NIVEL
3891	121.2622	91.2906	26.3033	1076633.518	1407106.883	131.3477	1.3	LAMINA
3892	120.2047	87.471	26.697	1076634.106	1407107.12	134.3606	0	C
3893	105.4225	87.4633	31.727	1076641.601	1407112.02	134.5606	0	CULTA
3894	87.1951	94.0942	8.8427	1076619.886	1407121.001	130.9876	1.7	LAMINA
3895	82.2432	92.4527	13.33	1076624.273	1407122.351	130.988	1.7	LAMINA
3896	21.4218	97.1707	5.2041	1076612.983	1407125.382	130.9694	1.7	LAMINA
3897	21.4237	93.3222	10.6787	1076615.014	1407130.489	130.97	1.7	LAMINA
3898	20.2855	98.3513	7.2029	1076613.565	1407127.258	130.5538	1.7	NIVEL
3899	20.2858	98.3426	9.2171	1076614.261	1407129.125	130.2552	1.7	NIVEL
3900	23.0509	97.3657	10.3994	1076615.113	1407130.069	130.0511	1.9	NIVEL
3901	313.5556	92.2651	16.1243	1076599.469	1407131.755	130.9407	1.7	LAMINA
3902	317.4633	91.3839	22.8311	1076595.73	1407137.476	130.9742	1.7	LAMINA
3903	325.3438	91.3756	23.8304	1076597.6	1407140.227	130.9505	1.7	LAMINA
3904	322.5559	93.0547	18.2581	1076600.079	1407135.126	130.6431	1.7	NIVEL
3905	328.4753	92.5911	19.3932	1076601.034	1407137.145	130.619	1.7	NIVEL
3906	334.0303	92.1106	20.6043	1076602.057	1407139.093	130.8438	1.7	NIVEL
3907	336.0341	91.4842	21.2187	1076602.46	1407139.964	130.9585	1.7	LAMINA
3908	220.1638	62.0645	3.5897	1076609.027	1407118.163	135.0083	0	CORONA
3909	315.411	91.3615	30.4491	1076589.801	1407142.351	130.777	1.7	LAMINA
3910	302.5704	91.371	32.4696	1076583.831	1407138.223	130.7118	1.7	LAMINA
3911	304.3546	91.2516	36.9772	1076580.635	1407141.556	130.7123	1.7	LAMINA
3912	300.3236	91.4322	24.0795	1076590.341	1407132.805	130.9054	1.7	BORDE RIO
3913	302.0903	92.4619	34.3049	1076582.056	1407138.802	129.9704	1.7	NIVEL
3914	302.0859	92.4617	34.3419	1076582.024	1407138.822	129.9688	1.7	NIVEL
3915	302.1536	92.541	36.4198	1076580.307	1407139.982	129.7851	1.7	NIVEL
3916	302.1538	92.54	38.459	1076578.584	1407141.069	129.6837	1.7	NIVEL
3917	306.5109	91.1434	41.7329	1076577.676	1407145.59	130.7242	1.7	LAMINA
3918	307.4658	92.0511	39.8598	1076579.581	1407144.972	130.1782	1.7	NIVEL
3919	283.4902	86.4258	20.9563	1076590.757	1407125.57	133.2298	1.3	D47 - D48
3920	66.5258	84.3326	14.4204	1076624.276	1407126.229	134.6971	0	CORONA
3921	66.3609	85.5719	23.4263	1076632.518	1407129.877	134.9818	0	CULATA
3922	103.4901	94.1615	20.9781	1076611.075	1407120.585	131.8826	1.3	D48 - D47
3923	248.3918	86.5201	32.0093	1076560.995	1407113.92	134.7943	1.7	D48 - GPS 4
3924	154.5716	83.0319	14.2245	1076596.742	1407112.781	134.7648	1.7	CORONA
3925	155.1854	86.371	29.1596	1076602.929	1407099.128	134.7643	1.7	NIVEL
3926	172.5512	86.313	27.1344	1076594.111	1407098.694	134.6895	1.7	CORONA
3927	167.0458	87.3747	47.1132	1076601.306	1407079.694	134.9934	1.7	CULATA
3928	178.5926	90.2242	27.2746	1076591.253	1407098.301	132.8647	1.7	NIVEL
3929	183.5011	90.4743	25.3529	1076589.075	1407100.275	132.6929	1.7	NIVEL
3930	207.0702	91.3856	11.5929	1076585.481	1407115.253	132.7112	1.7	NIVEL
3931	161.3649	90.0544	11.8061	1076594.487	1407114.369	133.0251	1.7	NIVEL
3932	353.0952	88.2608	3.0262	1076590.395	1407128.574	133.1274	1.7	NIVEL
3933	312.3409	93.2704	7.7004	1076585.093	1407130.767	132.5813	1.7	NIVEL
3934	250.3842	92.31	6.1576	1076584.954	1407123.528	132.7744	1.7	NIVEL
3936	282.4549	102.224	10.7409	1076580.524	1407127.882	130.7424	1.7	LAMINA
3937	276.1352	103.061	10.8464	1076580.255	1407126.711	130.5859	1.7	NIVEL
3938	269.562	101.3812	11.2698	1076579.719	1407125.552	130.7716	1.7	LAMINA
3939	249.1207	97.0941	18.0981	1076573.974	1407119.184	130.7887	1.7	NIVEL
3940	241.0612	95.4428	22.4824	1076571.179	1407114.749	130.7958	1.7	NIVEL
3941	260.392	98.0455	18.6222	1076572.566	1407122.566	130.4267	1.7	NIVEL
3942	266.3054	100.3421	14.528	1076576.503	1407124.694	130.3792	1.7	NIVEL
3943	192.1428	94.4635	23.5368	1076585.797	1407102.645	130.635	2.15	LAMINA
3944	193.3215	94.5949	23.8983	1076585.197	1407102.421	130.5132	2.15	NIVEL
3945	194.5705	94.5947	24.275	1076584.531	1407102.202	130.4807	2.15	NIVEL
3946	196.3141	94.484	24.5747	1076583.804	1407102.09	130.5337	2.15	LAMINA
3947	203.2337	93.595	26.082	1076580.44	1407101.684	130.7767	2.15	NIVEL
3948	218.1329	96.3412	28.9492	1076572.975	1407102.967	131.1325	0.3	BORDE RIO

PUNTO	AZIMUT	ÁNGULO VERTICAL	DISTANCIA INCLINADA	COORDENADAS			ALTURA SEÑAL	DETALLE
				ESTE	NORTE	COTA		
3949	198.3725	93.3044	40.4459	1076577.887	1407087.307	130.5672	1.7	BORDE RIO
3950	194.342	93.3844	43.1233	1076579.953	1407083.912	130.303	1.7	LAMINA
3951	190.0412	93.4256	41.4913	1076583.541	1407084.8	130.3561	1.7	LAMINA
3952	194.2935	92.1157	62.7405	1076575.101	1407064.862	130.6374	1.7	D48 - D49
3953	14.2934	87.2029	62.7706	1076590.759	1407125.579	133.2393	1.8	D49 - D48
3954	11.4524	89.5455	19.9114	1076579.147	1407084.358	130.3569	1.8	LAMINA
3955	22.3523	90.0007	21.4246	1076583.32	1407084.648	130.3267	1.8	LAMINA
3956	26.2525	89.5537	24.4703	1076585.978	1407086.782	130.3586	1.8	LAMINA
3957	30.0946	90.3854	24.5805	1076587.439	1407086.12	130.0493	1.8	NIVEL
3958	31.4202	89.5525	24.5709	1076588.001	1407085.774	130.3601	1.8	LAMINA
3959	50.4653	80.0224	23.4457	1076592.984	1407079.473	134.3826	1.8	CULATA
3960	43.0511	89.4043	8.6115	1076580.98	1407071.154	130.4757	1.7	LAMINA
3961	70.1648	71.2448	13.1878	1076586.866	1407069.086	134.6309	1.7	NIVEL
3962	89.1711	89.0431	1.4487	1076576.55	1407064.881	130.4508	1.7	LAMINA
3963	85.1611	98.272	3.5732	1076578.624	1407065.156	129.902	1.7	NIVEL
3964	89.0402	99.0526	4.5883	1076579.631	1407064.938	129.7025	1.7	NIVEL
3965	95.3744	105.4429	5.849	1076580.704	1407064.313	130.5406	0	LAMINA
3966	126.2507	70.0524	12.2281	1076584.357	1407058.042	134.5916	1.7	CULATA
3967	244.0344	83.4511	17.6279	1076559.348	1407057.188	132.3456	1.7	CORONA
3968	235.1714	89.574	26.3871	1076553.419	1407049.823	130.4454	1.7	LAMINA
3969	233.162	90.515	26.8863	1076553.564	1407048.773	130.022	1.7	NIVEL
3970	227.1005	90.1445	28.2917	1076554.365	1407045.616	130.306	1.7	NIVEL
3971	221.3718	90.1641	30.8178	1076554.645	1407041.813	130.278	1.7	NIVEL
3972	218.5325	90.0131	33.5046	1076554.081	1407038.772	130.4128	1.7	LAMINA
3973	186.3923	77.5952	20.7893	1076572.756	1407044.663	135.1506	1.3	CORONA
3974	210.1304	77.5952	20.7893	1076564.877	1407047.285	134.7506	1.7	CORONA
3975	188.3628	86.3624	40.8002	1076569.028	1407024.589	133.0425	1.5	NIVEL
3976	220.2235	87.0215	46.2694	1076545.188	1407029.644	132.8188	1.7	CORONA
3977	220.384	86.5423	51.5294	1076541.608	1407025.801	133.2084	1.7	CORONA
3978	200.383	88.1607	16.7988	1076569.191	1407049.145	130.4849	2.15	LAMINA
3979	221.2038	87.0925	56.6112	1076537.775	1407022.392	133.2356	1.7	NIVEL
3980	214.1716	86.584	57.0525	1076543.032	1407017.772	133.4356	1.7	NIVEL
3981	225.5052	87.3147	61.6532	1076530.931	1407021.931	133.085	1.7	CORONA
3982	230.1517	87.3831	71.1914	1076520.435	1407019.352	133.3567	1.7	NIVEL
3983	229.0422	90.1217	59.7514	1076529.979	1407025.694	130.2141	1.7	LAMINA
3984	230.3807	90.2548	59.1282	1076529.411	1407027.335	129.9839	1.7	NIVEL
3985	232.5243	90.3156	57.1587	1076529.547	1407030.342	129.8968	1.7	NIVEL
3986	233.19	90.1723	56.6031	1076529.729	1407031.022	130.1415	1.7	LAMINA
3987	68.3919	92.173	31.9848	1076590.755	1407125.569	133.2304	1.7	GPS 4 - D48
3988	249.2627	91.0253	73.5357	1076492.169	1407088.061	133.1645	1.7	GPS 4 - GPS 3