

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	9.857.415,5896	814.658,3264	44,935	177°26'27"
1	PC1	20,000	9.857.414,6966	814.638,3463	44,702	177°26'27"
2		40,000	9.857.415,9738	814.618,4266	44,840	189°53'47"
3	PIV0	60,000	9.857.421,5173	814.599,2512	44,920	202°21'08"
4	PT1	80,000	9.857.431,0662	814.581,7227	45,032	214°48'28"
5	PI2	100,000	9.857.442,4827	814.565,3013	45,094	216°53'55"
6	PCV2	120,000	9.857.455,0663	814.549,7561	45,112	218°59'23"
7	PI3	140,000	9.857.467,6499	814.534,2110	45,235	220°16'06"
8		160,000	9.857.480,9146	814.519,2427	45,590	221°32'49"
8+19,996	PTV2	179,996	9.857.494,1767	814.504,2775		221°32'49"
9		180,000	9.857.494,1793	814.504,2745	46,009	221°32'49"
10		200,000	9.857.507,4440	814.489,3063	46,427	221°32'49"
11		220,000	9.857.520,7087	814.474,3381	46,918	221°32'49"
12		240,000	9.857.533,9734	814.459,3698	47,413	221°32'49"
12+10,000	PC4	250,000	9.857.540,6058	814.451,8857	47,661	221°32'49"
13		260,000	9.857.547,8392	814.444,9981	47,887	231°15'30"
13+15,000	PT4	275,000	9.857.560,6000	814.437,1910	48,162	245°49'30"
14	PIV2	280,000	9.857.565,1615	814.435,1434	48,267	245°49'30"
15		300,000	9.857.583,4075	814.426,9528	48,686	245°49'30"
16	PI5	320,000	9.857.601,6535	814.418,7623	49,115	246°56'09"
17		340,000	9.857.620,2032	814.411,2853	49,526	248°02'48"
18	PI6	360,000	9.857.638,7530	814.403,8083	49,936	247°31'36"
19	PI7	380,000	9.857.657,1640	814.395,9958	50,504	249°40'37"
20	PIV3	400,000	9.857.676,2223	814.389,9310	50,686	252°20'51"
21		420,000	9.857.695,2806	814.383,8662	50,907	252°20'51"
22	PI8	440,000	9.857.714,3388	814.377,8013	51,127	252°58'50"
23		460,000	9.857.733,5264	814.372,1589	51,344	253°36'48"
24		480,000	9.857.752,7140	814.366,5165	51,594	253°36'48"
25		500,000	9.857.771,9016	814.360,8741	51,857	253°36'48"
25+10,000	PI9	510,000	9.857.781,4954	814.358,0529	51,989	252°22'18"
26		520,000	9.857.790,9579	814.354,8187	52,116	251°07'48"
27		540,000	9.857.809,8830	814.348,3503	52,342	251°07'48"
28		560,000	9.857.828,8081	814.341,8818	52,558	251°07'48"
29		580,000	9.857.847,7332	814.335,4134	52,798	251°07'48"
30		600,000	9.857.866,6583	814.328,9450	53,057	251°07'48"
30+10,000	PC10	610,000	9.857.876,1209	814.325,7108	53,187	251°07'48"
31	PIV4	620,000	9.857.885,7435	814.323,0084	53,306	257°29'46"
31+5,000	PCC11	625,000	9.857.890,6524	814.322,0620	53,345	260°40'46"
31+15,000	PT11	635,000	9.857.900,1569	814.319,0642	53,572	244°18'33"
32		640,000	9.857.904,6626	814.316,8966	53,729	244°18'33"
32+10,000	PC12	650,000	9.857.913,6741	814.312,5614	54,001	244°18'33"
33	PCV6	660,000	9.857.921,6872	814.306,6749	54,138	223°05'18"
34		680,000	9.857.935,3498	814.292,0689	54,257	223°05'18"
35	PTV6	700,000	9.857.949,0123	814.277,4629	54,332	223°05'18"
36		720,000	9.857.962,1110	814.262,3555	54,184	218°45'51"
37		740,000	9.857.974,0332	814.246,3034	53,926	214°26'24"
38		760,000	9.857.984,7112	814.229,3980	53,669	210°06'57"
39		780,000	9.857.994,0842	814.211,7357	53,431	205°47'30"
39+10,000	PT13	790,000	9.857.998,2643	814.202,6519	53,332	203°37'46"
40	PIV6	800,000	9.858.002,2725	814.193,4904	53,211	203°37'46"
41		820,000	9.858.010,2889	814.175,1672	52,904	203°37'46"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
42		840,000	9.858.018,3053	814.156,8441	52,598	203°37'46"
42+10,000	PI14	850,000	9.858.022,3135	814.147,6825	52,444	204°53'46"
43		860,000	9.858.026,7227	814.138,7071	52,287	206°09'45"
44		880,000	9.858.035,5411	814.120,7561	51,993	206°09'45"
45		900,000	9.858.044,3595	814.102,8052	51,699	206°09'45"
46	PC15	920,000	9.858.053,1779	814.084,8543	51,431	206°09'45"
47		940,000	9.858.062,8784	814.067,3738	51,118	211°53'32"
48		960,000	9.858.074,2756	814.050,9491	50,893	217°37'18"
49	PIV7	980,000	9.858.087,2556	814.035,7443	50,583	223°21'05"
50		1000,000	9.858.101,9125	814.022,1581	50,356	230°59'27"
51	PT15	1020,000	9.858.118,2454	814.010,6410	50,131	238°37'49"
52	PC16	1040,000	9.858.135,3219	814.000,2298	49,882	238°37'49"
53		1060,000	9.858.152,8971	813.990,7025	49,653	244°26'49"
54		1080,000	9.858.171,3474	813.983,0056	49,403	250°15'50"
55		1100,000	9.858.190,4827	813.977,2182	49,208	256°04'50"
56		1120,000	9.858.210,1061	813.973,3999	48,976	261°53'51"
57	PT16	1140,000	9.858.230,0155	813.971,5901	48,725	267°42'52"
58		1160,000	9.858.249,9995	813.970,7924	48,515	267°42'52"
59		1180,000	9.858.269,9836	813.969,9948	48,296	267°42'52"
60	PIV8	1200,000	9.858.289,9677	813.969,1972	48,087	267°42'52"
61		1220,000	9.858.309,9518	813.968,3996	47,877	267°42'52"
62	PI17	1240,000	9.858.329,9359	813.967,6019	47,668	267°08'28"
63		1260,000	9.858.349,9000	813.966,4047	47,466	266°34'05"
64		1280,000	9.858.369,8642	813.965,2074	47,269	266°34'05"
65		1300,000	9.858.389,8283	813.964,0102	47,072	266°34'05"
66	PIV9	1320,000	9.858.409,7924	813.962,8129	46,883	266°34'05"
67		1340,000	9.858.429,7566	813.961,6156	46,703	266°34'05"
68		1360,000	9.858.449,7207	813.960,4184	46,515	266°34'05"
69	PI18	1380,000	9.858.469,6848	813.959,2211	46,348	266°56'36"
70		1400,000	9.858.489,6629	813.958,2855	46,188	267°19'07"
71	PIV10	1420,000	9.858.509,6410	813.957,3499	46,028	267°19'07"
72		1440,000	9.858.529,6191	813.956,4144	45,928	267°19'07"
73		1460,000	9.858.549,5972	813.955,4788	45,850	267°19'07"
74		1480,000	9.858.569,5753	813.954,5432	45,745	267°19'07"
74+10,000	PI19	1490,000	9.858.579,5644	813.954,0754	45,677	267°13'41"
75		1500,000	9.858.589,5519	813.953,5759	45,611	267°08'14"
76	PCV12	1520,000	9.858.609,5270	813.952,5770	45,525	267°08'14"
77		1540,000	9.858.629,5020	813.951,5781	45,480	267°08'14"
78		1560,000	9.858.649,4770	813.950,5792	45,414	267°08'14"
78+10,000	PI20	1570,000	9.858.659,4646	813.950,0797	45,455	265°04'51"
79	PTV12	1580,000	9.858.669,3905	813.948,8652	45,492	263°01'28"
80		1600,000	9.858.689,2425	813.946,4363	45,566	263°01'28"
81		1620,000	9.858.709,0945	813.944,0074	45,581	263°01'28"
82	PCV13	1640,000	9.858.728,9464	813.941,5785	45,574	263°01'28"
83		1660,000	9.858.748,7984	813.939,1496	45,625	263°01'28"
84		1680,000	9.858.768,6503	813.936,7207	45,802	263°01'28"
85		1700,000	9.858.788,5023	813.934,2918	45,995	263°01'28"
85+10,000	PI21	1710,000	9.858.798,4283	813.933,0773	46,133	264°25'42"
86		1720,000	9.858.808,4018	813.932,3505	46,304	265°49'55"
86+19,996	PTV13	1739,996	9.858.828,3450	813.930,8972		265°49'55"
87		1740,000	9.858.828,3489	813.930,8969	46,646	265°49'55"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
88		1760,000	9.858.848,2960	813.929,4432	46,988	265°49'55"
89		1780,000	9.858.868,2432	813.927,9896	47,306	265°49'55"
90		1800,000	9.858.888,1903	813.926,5360	47,653	265°49'55"
91		1820,000	9.858.908,1374	813.925,0824	47,969	265°49'55"
92		1840,000	9.858.928,0845	813.923,6288	48,285	265°49'55"
92+10,000	PI22	1850,000	9.858.938,0580	813.922,9019	48,496	266°20'36"
93	PIV13	1860,000	9.858.948,0430	813.922,3533	48,719	266°51'17"
94		1880,000	9.858.968,0128	813.921,2559	49,166	266°51'17"
95		1900,000	9.858.987,9827	813.920,1586	49,590	266°51'17"
96		1920,000	9.859.007,9526	813.919,0613	49,991	266°51'17"
96+10,000	PI23	1930,000	9.859.017,9375	813.918,5126	50,196	268°30'05"
97		1940,000	9.859.027,9375	813.918,5384	50,368	270°08'52"
98		1960,000	9.859.047,9374	813.918,5900	50,696	270°08'52"
99	PCV15	1980,000	9.859.067,9373	813.918,6416	51,025	270°08'52"
99+10,000	PI24	1990,000	9.859.077,9373	813.918,6674	51,156	270°36'17"
100		2000,000	9.859.087,9356	813.918,8528	51,255	271°03'43"
101		2020,000	9.859.107,9322	813.919,2234	51,422	271°03'43"
102		2040,000	9.859.127,9287	813.919,5940	51,556	271°03'43"
102+10,000	PI25	2050,000	9.859.137,9270	813.919,7793	51,535	269°54'37"
103		2060,000	9.859.147,9247	813.919,5627	51,518	268°45'31"
104	PTV15	2080,000	9.859.167,9200	813.919,1294	51,483	268°45'31"
105		2100,000	9.859.187,9153	813.918,6961	51,383	268°45'31"
106		2120,000	9.859.207,9106	813.918,2628	51,171	268°45'31"
107		2140,000	9.859.227,9059	813.917,8295	50,967	268°45'31"
108		2160,000	9.859.247,9012	813.917,3963	50,766	268°45'31"
109		2180,000	9.859.267,8965	813.916,9630	50,549	268°45'31"
110	PC26	2200,000	9.859.287,8918	813.916,5297	50,332	268°45'31"
111	PIV15	2220,000	9.859.307,8848	813.916,0028	50,095	268°13'19"
112		2240,000	9.859.327,8720	813.915,2886	49,854	267°41'07"
113		2260,000	9.859.347,8516	813.914,3872	49,709	267°08'54"
114		2280,000	9.859.367,8218	813.913,2987	49,550	266°36'42"
115		2300,000	9.859.387,7811	813.912,0231	49,449	266°04'30"
115+10,000	PCC26	2310,000	9.859.397,7560	813.911,3153	49,395	265°48'24"
116		2320,000	9.859.407,7281	813.910,5694	49,338	265°38'17"
117		2340,000	9.859.427,6656	813.908,9896	49,185	265°18'04"
118	PIV16	2360,000	9.859.447,5934	813.907,2926	48,938	264°57'51"
119		2380,000	9.859.467,5109	813.905,4784	48,683	264°37'37"
120		2400,000	9.859.487,4174	813.903,5471	48,547	264°17'24"
121	PT26	2420,000	9.859.507,3122	813.901,4987	48,409	263°57'11"
122		2440,000	9.859.527,2010	813.899,3918	48,272	263°57'11"
123	PC27	2460,000	9.859.547,0897	813.897,2849	48,147	263°57'11"
124		2480,000	9.859.566,9945	813.895,3385	47,997	264°52'37"
125	PIV17	2500,000	9.859.586,9282	813.893,7133	47,866	265°48'04"
126		2520,000	9.859.606,8854	813.892,4099	47,666	266°43'31"
127		2540,000	9.859.626,8611	813.891,4285	47,461	267°38'58"
127+10,000	PCC28	2550,000	9.859.636,8542	813.891,0587	47,351	268°06'41"
128		2560,000	9.859.646,8459	813.890,6523	47,241	267°13'48"
129	PT28	2580,000	9.859.666,8045	813.889,3786	47,075	265°28'02"
130		2600,000	9.859.686,7419	813.887,7980	46,949	265°28'02"
131	PIV18	2620,000	9.859.706,6794	813.886,2173	46,822	265°28'02"
132		2640,000	9.859.726,6168	813.884,6367	46,661	265°28'02"

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133		2660,000	9.859.746,5543	813.883,0561	46,336	265°28'02"
134		2680,000	9.859.766,4917	813.881,4754	46,008	265°28'02"
134+10,000	PI29	2690,000	9.859.776,4604	813.880,6851	45,896	264°59'33"
135		2700,000	9.859.786,4147	813.879,7298	45,786	264°31'05"
136		2720,000	9.859.806,3232	813.877,8191	45,564	264°31'05"
136+10,000	PI30	2730,000	9.859.816,2775	813.876,8638	45,375	267°03'13"
137		2740,000	9.859.826,2772	813.876,7921	45,275	269°35'21"
138	V20	2760,000	9.859.846,2767	813.876,6486	45,095	269°35'21"
139	PI1	2780,000	9.859.866,2750	813.876,3865	44,926	268°09'46"
140		2800,000	9.859.886,2489	813.875,3664	44,778	267°04'35"
141		2820,000	9.859.906,2229	813.874,3464	44,630	267°04'35"
142		2840,000	9.859.926,1969	813.873,3263	44,481	267°04'35"
143		2860,000	9.859.946,1709	813.872,3062	44,333	267°04'35"
143+10,000	PI2	2870,000	9.859.956,1578	813.871,7962	44,259	266°34'27"
144		2880,000	9.859.966,1343	813.871,1112	44,186	266°04'19"
145		2900,000	9.859.986,0874	813.869,7412	44,043	266°04'19"
146		2920,000	9.860.006,0404	813.868,3711	43,899	266°04'19"
147	PIV0	2940,000	9.860.025,9934	813.867,0011	43,740	266°04'19"
148		2960,000	9.860.045,9464	813.865,6311	43,575	266°04'19"
149	PI3	2980,000	9.860.065,8994	813.864,2610	43,358	265°36'51"
150	PIV1	3000,000	9.860.085,8280	813.862,5723	43,062	265°09'24"
151	PI4	3020,000	9.860.105,7566	813.860,8837	42,766	267°07'50"
152		3040,000	9.860.125,7542	813.860,5711	42,523	269°06'16"
153		3060,000	9.860.145,7517	813.860,2585	42,277	269°06'16"
154		3080,000	9.860.165,7493	813.859,9459	42,046	269°06'16"
155	PIV2	3100,000	9.860.185,7468	813.859,6333	41,823	269°06'16"
156		3120,000	9.860.205,7444	813.859,3207	41,617	269°06'16"
156+10,000	PI5	3130,000	9.860.215,7432	813.859,1644	41,532	269°38'56"
157		3140,000	9.860.225,7431	813.859,1981	41,463	270°11'36"
158		3160,000	9.860.245,7430	813.859,2656	41,328	270°11'36"
159		3180,000	9.860.265,7429	813.859,3330	41,166	270°11'36"
160		3200,000	9.860.285,7428	813.859,4005	41,002	270°11'36"
161	PCV4	3220,000	9.860.305,7427	813.859,4680	40,691	270°11'36"
162		3240,000	9.860.325,7426	813.859,5354	40,320	270°11'36"
163	PI6	3260,000	9.860.345,7424	813.859,6029	40,039	268°29'05"
164		3280,000	9.860.365,7108	813.858,4781	39,977	266°46'34"
165		3300,000	9.860.385,6791	813.857,3533	39,911	266°46'34"
166	PI7	3320,000	9.860.405,6475	813.856,2285	39,848	266°19'10"
167		3340,000	9.860.425,5954	813.854,7857	39,811	265°51'47"
168		3360,000	9.860.445,5433	813.853,3429	39,922	265°51'47"
169		3380,000	9.860.465,4911	813.851,9001	40,092	265°51'47"
170	PI8	3400,000	9.860.485,4390	813.850,4572	40,244	266°11'02"
171		3420,000	9.860.505,4018	813.849,2380	40,353	266°30'18"
172		3440,000	9.860.525,3646	813.848,0188	40,471	266°30'18"
173	PTV4	3460,000	9.860.545,3274	813.846,7996	40,752	266°39'03"
174		3480,000	9.860.565,2962	813.845,6820	41,018	266°47'49"
175		3500,000	9.860.585,2649	813.844,5645	41,284	266°47'49"
176		3520,000	9.860.605,2337	813.843,4470	41,531	266°47'49"
177		3540,000	9.860.625,2025	813.842,3295	41,710	266°47'49"
178		3560,000	9.860.645,1712	813.841,2120	41,884	266°47'49"
179		3580,000	9.860.665,1400	813.840,0945	42,056	266°47'49"

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180		3600,000	9.860.685,1087	813.838,9770	42,196	266°47'49"
181	PIV4	3620,000	9.860.705,0775	813.837,8595	42,336	266°47'49"
182		3640,000	9.860.725,0462	813.836,7420	42,472	266°47'49"
183		3660,000	9.860.745,0150	813.835,6244	42,666	266°47'49"
183+10,000	PI10	3670,000	9.860.754,9994	813.835,0657	42,767	266°16'57"
184		3680,000	9.860.764,9721	813.834,3278	42,860	265°46'06"
185	PCV6	3700,000	9.860.784,9176	813.832,8520	43,045	265°46'06"
186		3720,000	9.860.804,8630	813.831,3761	43,108	265°46'06"
187		3740,000	9.860.824,8085	813.829,9003	43,132	265°46'06"
188	PCCV7	3760,000	9.860.844,7540	813.828,4245	43,037	265°46'06"
189		3780,000	9.860.864,6995	813.826,9487	42,883	265°46'06"
189+10,000	PI11	3790,000	9.860.874,6722	813.826,2108	42,804	265°07'32"
190		3800,000	9.860.884,6259	813.825,2494	42,771	264°28'59"
191	PCCV8	3820,000	9.860.904,5332	813.823,3265	42,720	264°28'59"
192		3840,000	9.860.924,4406	813.821,4037	42,669	264°28'59"
193		3860,000	9.860.944,3480	813.819,4809	42,549	264°28'59"
193+19,999	PTV8	3879,999	9.860.964,2543	813.817,5582		264°28'59"
194		3880,000	9.860.964,2553	813.817,5581	42,261	264°28'59"
195		3900,000	9.860.984,1627	813.815,6353	41,991	264°28'59"
196		3920,000	9.861.004,0700	813.813,7124	41,778	264°28'59"
197		3940,000	9.861.023,9774	813.811,7896	41,690	264°28'59"
197+10,000	PC12	3950,000	9.861.033,9310	813.810,8282	41,643	264°28'59"
198		3960,000	9.861.043,8918	813.809,9446	41,562	265°22'42"
199		3980,000	9.861.063,8487	813.808,6448	41,360	267°10'07"
200	PCV9	4000,000	9.861.083,8365	813.807,9691	41,137	268°57'33"
201		4020,000	9.861.103,8356	813.807,9183	40,984	270°44'59"
202	PT12	4040,000	9.861.123,8266	813.808,4924	40,886	272°32'25"
203		4060,000	9.861.143,8069	813.809,3788	40,731	272°32'25"
204	PC13	4080,000	9.861.163,7873	813.810,2653	40,832	272°32'25"
204+10,000	PCC14	4090,000	9.861.173,7650	813.809,8321	40,826	262°29'18"
205	PT14	4100,000	9.861.183,7112	813.808,8087	40,812	265°45'45"
206		4120,000	9.861.203,6565	813.807,3309	40,896	265°45'45"
207	PI15	4140,000	9.861.223,6018	813.805,8530	41,000	266°44'23"
208		4160,000	9.861.243,5859	813.805,0564	41,232	267°43'02"
209		4180,000	9.861.263,5701	813.804,2597	41,463	267°43'02"
209+10,000	PI16	4190,000	9.861.273,5621	813.803,8614	41,627	266°56'47"
210	PTV9	4200,000	9.861.283,5399	813.803,1944	41,802	266°10'33"
211		4220,000	9.861.303,4953	813.801,8606	42,152	266°10'33"
211+10,000	PI17	4230,000	9.861.313,4731	813.801,1936	42,295	268°09'21"
212		4240,000	9.861.323,4730	813.801,2173	42,452	270°08'09"
213		4260,000	9.861.343,4730	813.801,2648	42,767	270°08'09"
213+10,000	PI18	4270,000	9.861.353,4730	813.801,2885	42,919	267°44'25"
214		4280,000	9.861.363,4400	813.800,4769	43,051	265°20'41"
215	PIV9	4300,000	9.861.383,3740	813.798,8537	43,308	265°20'41"
216	PI19	4320,000	9.861.403,3080	813.797,2305	43,544	267°43'03"
217		4340,000	9.861.423,3080	813.797,2620	43,707	270°05'26"
217+10,000	PI20	4350,000	9.861.433,3080	813.797,2778	43,774	267°35'15"
218		4360,000	9.861.443,2712	813.796,4210	43,894	265°05'04"
219	PIV10	4380,000	9.861.463,1976	813.794,7073	44,125	265°05'04"
219+10,000	PI21	4390,000	9.861.473,1609	813.793,8504	44,239	267°58'15"
220		4400,000	9.861.483,1598	813.794,0000	44,380	270°51'25"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
221		4420,000	9.861.503,1575	813.794,2991	44,690	270°51'25"
222		4440,000	9.861.523,1553	813.794,5983	45,000	270°51'25"
222+10,000	PI22	4450,000	9.861.533,1542	813.794,7478	45,156	269°16'53"
223		4460,000	9.861.543,1461	813.794,3475	45,349	267°42'20"
224		4480,000	9.861.563,1301	813.793,5468	45,733	267°42'20"
225		4500,000	9.861.583,1141	813.792,7462	46,116	267°42'20"
226	PIV11	4520,000	9.861.603,0980	813.791,9455	46,428	267°42'20"
227		4540,000	9.861.623,0820	813.791,1448	46,696	267°42'20"
227+10,000	PI23	4550,000	9.861.633,0740	813.790,7445	46,830	267°16'22"
228		4560,000	9.861.643,0588	813.790,1932	46,972	266°50'24"
229		4580,000	9.861.663,0284	813.789,0908	47,248	266°50'24"
230		4600,000	9.861.682,9980	813.787,9883	47,521	266°50'24"
231	PIV12	4620,000	9.861.702,9676	813.786,8858	47,754	266°50'24"
232	PI24	4640,000	9.861.722,9371	813.785,7833	47,909	266°30'41"
233		4660,000	9.861.742,8928	813.784,4518	48,052	266°10'58"
234		4680,000	9.861.762,8484	813.783,1204	48,262	266°10'58"
235	PCV14	4700,000	9.861.782,8040	813.781,7889	48,499	266°10'58"
236		4720,000	9.861.802,7597	813.780,4574	48,725	266°10'58"
237		4740,000	9.861.822,7153	813.779,1259	48,880	266°10'58"
237+10,000	PI25	4750,000	9.861.832,6931	813.778,4602	48,881	265°36'27"
238		4760,000	9.861.842,6556	813.777,5943	48,846	265°01'56"
239	PTV14	4780,000	9.861.862,5804	813.775,8624	48,777	265°01'56"
240		4800,000	9.861.882,5053	813.774,1305	48,704	265°01'56"
241		4820,000	9.861.902,4302	813.772,3987	48,625	265°01'56"
242	PCV15	4840,000	9.861.922,3550	813.770,6668	48,546	265°01'56"
243		4860,000	9.861.942,2799	813.768,9349	48,460	265°01'56"
243+10,000	PI26	4870,000	9.861.952,2424	813.768,0690	48,394	266°13'27"
244		4880,000	9.861.962,2322	813.767,6181	48,293	267°24'58"
244+19,998	PTV15	4899,998	9.861.982,2099	813.766,7166		267°24'58"
245		4900,000	9.861.982,2119	813.766,7165	48,091	267°24'58"
246		4920,000	9.862.002,1915	813.765,8148	47,873	267°24'58"
247		4940,000	9.862.022,1712	813.764,9131	47,615	267°24'58"
248		4960,000	9.862.042,1508	813.764,0114	47,359	267°24'58"
248+10,000	PI27	4970,000	9.862.052,1407	813.763,5606	47,182	266°48'37"
249		4980,000	9.862.062,1187	813.762,8986	47,026	266°12'15"
250		5000,000	9.862.082,0749	813.761,5746	46,714	266°12'15"
251	PI28	5020,000	9.862.102,0310	813.760,2506	46,462	265°35'49"
252		5040,000	9.862.121,9546	813.758,5039	46,261	264°59'23"
253	PIV15	5060,000	9.862.141,8782	813.756,7572	46,051	264°59'23"
254		5080,000	9.862.161,8017	813.755,0105	45,897	264°59'23"
255		5100,000	9.862.181,7253	813.753,2638	45,749	264°59'23"
255+10,000	PI29	5110,000	9.862.191,6871	813.752,3905	45,675	264°19'49"
256		5120,000	9.862.201,6262	813.751,2881	45,617	263°40'15"
257		5140,000	9.862.221,5043	813.749,0833	45,547	263°40'15"
258		5160,000	9.862.241,3824	813.746,8785	45,470	263°40'15"
259		5180,000	9.862.261,2605	813.744,6737	45,347	263°40'15"
260	PIV16	5200,000	9.862.281,1386	813.742,4689	45,212	263°40'15"
261	PI30	5220,000	9.862.301,0167	813.740,2641	45,086	262°42'41"
262		5240,000	9.862.320,8098	813.737,3949	45,000	261°45'06"
263		5260,000	9.862.340,6029	813.734,5256	44,911	261°45'06"
264	PI31	5280,000	9.862.360,3960	813.731,6563	44,768	262°30'10"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
265		5300,000	9.862.380,2575	813.729,3070	44,606	263°15'15"
266	PIV17	5320,000	9.862.400,1191	813.726,9577	44,441	263°15'15"
267		5340,000	9.862.420,0841	813.726,2705	44,092	272°48'12"
267+10,000	PT32	5350,000	9.862.430,0402	813.727,1750	43,974	277°34'41"
268		5360,000	9.862.439,9529	813.728,4938	43,874	277°34'41"
269		5380,000	9.862.459,7782	813.731,1313	43,612	277°34'41"
270	PIV18	5400,000	9.862.479,6035	813.733,7688	43,283	275°01'26"
271		5420,000	9.862.499,5850	813.734,6306	42,858	272°28'10"
272		5440,000	9.862.519,5664	813.735,4923	42,454	272°28'10"
273	V20	5460,000	9.862.539,5478	813.736,3541	42,131	272°28'10"
274	PC1	5480,000	9.862.559,5058	813.737,6501	41,967	273°42'55"
275	PT1	5500,000	9.862.579,3607	813.735,9702	41,881	256°36'44"
276	PC2	5520,000	9.862.598,8172	813.731,3394	41,747	256°36'44"
277		5540,000	9.862.618,4003	813.727,2919	41,604	260°01'58"
278	PIV0	5560,000	9.862.638,1901	813.724,4201	41,427	263°27'13"
278+10,000	PT2	5570,000	9.862.648,1404	813.723,4285	41,321	265°09'50"
279		5580,000	9.862.658,1048	813.722,5854	41,205	265°09'50"
279+10,000	PI3	5590,000	9.862.668,0692	813.721,7423	41,088	263°51'33"
280	PCV2	5600,000	9.862.677,9849	813.720,4465	40,911	262°33'16"
281		5620,000	9.862.697,8162	813.717,8549	40,461	262°33'16"
281+15,000	PC4	5635,000	9.862.712,6898	813.715,9111	39,746	262°33'16"
281+19,976	PTV2	5639,976	9.862.717,6426	813.715,4422		266°37'39"
282		5640,000	9.862.717,6665	813.715,4408	39,451	266°38'50"
283	PT4	5660,000	9.862.737,5277	813.717,1198	38,264	283°01'02"
284	PCV3	5680,000	9.862.757,0138	813.721,6247	37,070	283°01'02"
284+10,000	PC5	5690,000	9.862.766,7568	813.723,8772	36,438	283°01'02"
285		5700,000	9.862.776,5472	813.725,9094	35,905	280°26'11"
286		5720,000	9.862.796,3529	813.728,6420	34,883	275°16'29"
287	PCC5	5740,000	9.862.816,3240	813.729,5817	34,080	270°06'46"
287+10,000	PT5	5750,000	9.862.826,2914	813.728,8882	33,879	261°55'40"
288		5760,000	9.862.836,1923	813.727,4840	33,714	261°55'40"
289		5780,000	9.862.855,9942	813.724,6756	33,544	261°55'40"
290	PI6	5800,000	9.862.875,7960	813.721,8671	33,556	261°05'29"
291		5820,000	9.862.895,5074	813.718,4818	33,991	260°15'17"
291+10,000	PC7	5830,000	9.862.905,3631	813.716,7891	34,230	260°15'17"
292	PTV3	5840,000	9.862.915,3140	813.715,9237	34,475	269°48'15"
293	PT7	5860,000	9.862.934,9568	813.719,1591	35,264	288°54'10"
294	PIV3	5880,000	9.862.953,8782	813.725,6384	35,620	285°41'45"
295		5900,000	9.862.973,4050	813.729,9634	35,977	282°29'21"
295+10,000	PI9	5910,000	9.862.983,1684	813.732,1259	36,106	280°15'41"
296		5920,000	9.862.993,0702	813.733,5235	36,214	278°02'02"
297		5940,000	9.863.012,8739	813.736,3187	36,410	278°02'02"
298		5960,000	9.863.032,6776	813.739,1138	36,605	278°02'02"
299		5980,000	9.863.052,4814	813.741,9090	36,853	278°02'02"
300		6000,000	9.863.072,2851	813.744,7041	37,406	278°02'02"
300+10,000	PI10	6010,000	9.863.082,1869	813.746,1017	37,770	280°41'45"
301		6020,000	9.863.091,9164	813.748,4120	37,974	283°21'28"
302		6040,000	9.863.111,3753	813.753,0326	38,385	283°21'28"
303	PC11	6060,000	9.863.130,8343	813.757,6532	38,446	283°21'28"
304	PIV4	6080,000	9.863.150,0831	813.763,0624	38,496	288°02'05"
304+10,000	PT11	6090,000	9.863.159,5260	813.766,3515	38,516	290°22'24"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
305		6100,000	9.863.168,9004	813.769,8329	38,539	290°22'24"
306		6120,000	9.863.187,6493	813.776,7957	38,585	290°22'24"
307		6140,000	9.863.206,3982	813.783,7584	38,741	290°22'24"
308	PI12	6160,000	9.863.225,1470	813.790,7212	39,831	289°26'26"
309		6180,000	9.863.244,1126	813.797,0699	40,254	288°30'28"
310		6200,000	9.863.263,0782	813.803,4186	40,631	288°30'28"
311	PI13	6220,000	9.863.282,0438	813.809,7673	40,754	287°21'33"
312		6240,000	9.863.301,2487	813.815,3507	40,757	286°12'38"
313	PIV5	6260,000	9.863.320,4535	813.820,9341	40,806	284°57'08"
314		6280,000	9.863.339,8850	813.825,6687	41,345	283°41'37"
315		6300,000	9.863.359,3165	813.830,4034	41,884	283°41'37"
315+10,000	PC15	6310,000	9.863.369,0322	813.832,7707	42,154	283°41'37"
316		6320,000	9.863.378,8149	813.834,8367	42,410	280°09'25"
317		6340,000	9.863.398,6689	813.837,1410	42,937	273°05'00"
317+10,000	PT15	6350,000	9.863.408,6647	813.837,3705	42,955	269°32'48"
318		6360,000	9.863.418,6644	813.837,2913	42,729	269°32'48"
319	PIV6	6380,000	9.863.438,6637	813.837,1331	42,269	269°32'48"
320		6400,000	9.863.458,6631	813.836,9748	42,222	269°32'48"
321		6420,000	9.863.478,6625	813.836,8166	42,337	269°32'48"
322		6440,000	9.863.498,6619	813.836,6583	42,900	269°32'48"
323	PC16	6460,000	9.863.518,6612	813.836,5001	43,598	269°32'48"
324	PCV8	6480,000	9.863.538,6537	813.836,9300	44,500	272°55'01"
324+10,000	PT16	6490,000	9.863.548,6318	813.837,5856	44,656	274°36'08"
325		6500,000	9.863.558,5996	813.838,3880	44,648	274°36'08"
326		6520,000	9.863.578,5351	813.839,9927	44,608	274°36'08"
327		6540,000	9.863.598,4706	813.841,5975	44,599	274°36'08"
328		6560,000	9.863.618,4062	813.843,2022	44,657	274°36'08"
328+10,000	PI17	6570,000	9.863.628,3739	813.844,0045	44,665	276°49'37"
329	PTV8	6580,000	9.863.638,2494	813.845,5778	44,572	279°03'06"
330		6600,000	9.863.658,0003	813.848,7242	44,326	279°03'06"
331	PI18	6620,000	9.863.677,7513	813.851,8707	44,113	281°02'15"
332		6640,000	9.863.697,2368	813.856,3776	43,929	283°01'24"
333		6660,000	9.863.716,7224	813.860,8846	43,733	283°01'24"
334	PC19	6680,000	9.863.736,2080	813.865,3915	43,527	283°01'24"
335		6700,000	9.863.755,8674	813.869,0309	43,213	277°57'10"
335+10,000	PT19	6710,000	9.863.765,7986	813.870,1950	43,014	275°25'03"
336	PCV9	6720,000	9.863.775,7540	813.871,1391	42,822	275°25'03"
337		6740,000	9.863.795,6646	813.873,0274	42,499	275°25'03"
337+10,000	PI20	6750,000	9.863.805,6199	813.873,9716	42,340	276°09'13"
338		6760,000	9.863.815,5477	813.875,1712	42,374	276°53'23"
339		6780,000	9.863.835,4033	813.877,5703	42,584	276°53'23"
340	PCCV10	6800,000	9.863.855,2589	813.879,9695	42,794	276°53'23"
341		6820,000	9.863.875,1145	813.882,3687	43,003	276°53'23"
342		6840,000	9.863.894,9701	813.884,7678	42,760	276°53'23"
343		6860,000	9.863.914,8256	813.887,1670	42,259	276°53'23"
344	PCCV11	6880,000	9.863.934,6812	813.889,5661	41,483	278°23'58"
345	PC22	6900,000	9.863.954,3829	813.893,0078	40,209	279°54'32"
346		6920,000	9.863.974,2185	813.895,5068	38,990	274°27'08"
347	PT22	6940,000	9.863.994,2019	813.896,1082	38,870	268°59'44"
348		6960,000	9.864.014,1988	813.895,7576	38,911	268°59'44"
349		6980,000	9.864.034,1957	813.895,4070	39,054	268°59'44"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
349+10,000	PI23	6990,000	9.864.044,1942	813.895,2317	39,153	266°59'26"
350		7000,000	9.864.054,1559	813.894,3576	39,375	264°59'07"
351	PCCV12	7020,000	9.864.074,0794	813.892,6094	40,815	264°59'07"
351+10,000	PI24	7030,000	9.864.084,0411	813.891,7353	41,477	264°06'48"
352		7040,000	9.864.093,9716	813.890,5583	41,798	263°14'28"
353		7060,000	9.864.113,8326	813.888,2045	41,914	263°14'28"
354	PTV12	7080,000	9.864.133,6936	813.885,8507	40,348	263°14'28"
354+10,000	PC25	7090,000	9.864.143,6241	813.884,6738	39,454	263°14'28"
355		7100,000	9.864.153,5799	813.883,7456	38,692	266°06'21"
355+10,000	PT25	7110,000	9.864.163,5696	813.883,3161	38,249	268°58'15"
356		7120,000	9.864.173,5680	813.883,1365	37,803	268°58'15"
356+10,000	PC26	7130,000	9.864.183,5664	813.882,9569	37,357	268°58'15"
357		7140,000	9.864.193,5658	813.882,9624	36,835	271°05'34"
358		7160,000	9.864.213,5298	813.884,0838	35,735	275°20'13"
359	PCV13	7180,000	9.864.233,3560	813.886,6795	34,558	279°34'52"
360		7200,000	9.864.252,9358	813.890,7354	33,542	283°49'31"
360+10,000	PCC27	7210,000	9.864.262,5996	813.893,3043	33,197	285°56'50"
361		7220,000	9.864.272,3780	813.895,3568	32,866	277°45'44"
361+10,000	PT27	7230,000	9.864.282,3490	813.895,9963	32,759	269°34'37"
362	PTV13	7240,000	9.864.292,3487	813.895,9225	32,713	269°34'37"
362+10,000	PC28	7250,000	9.864.302,3485	813.895,8487	32,667	269°34'37"
363		7260,000	9.864.312,3434	813.895,5575	32,566	267°05'09"
364		7280,000	9.864.332,2482	813.893,6741	32,165	262°06'13"
364+10,000	PCC28	7290,000	9.864.342,1204	813.892,0855	32,124	259°36'45"
365		7300,000	9.864.351,9411	813.890,2006	32,095	258°39'27"
366		7320,000	9.864.371,4813	813.885,9411	31,979	256°44'52"
367	PCV14	7340,000	9.864.390,8687	813.881,0327	31,701	254°50'16"
367+10,000	PCC29	7350,000	9.864.400,4983	813.878,3369	31,488	253°52'59"
368	PT29	7360,000	9.864.409,9786	813.875,1641	31,238	249°06'30"
368+19,988	PCCV15	7379,988	9.864.428,6525	813.868,0363		249°06'30"
369	PC30	7380,000	9.864.428,6637	813.868,0320	30,820	249°06'30"
370	PCC31	7400,000	9.864.447,7565	813.862,1236	29,979	256°30'05"
371		7420,000	9.864.466,7690	813.855,9805	29,136	247°41'12"
371+10,000	PT31	7430,000	9.864.475,8651	813.851,8319	28,839	243°16'45"
372		7440,000	9.864.484,7972	813.847,3354	28,540	243°16'45"
373	PI32	7460,000	9.864.502,6614	813.838,3426	28,354	242°12'42"
374		7480,000	9.864.520,1781	813.828,6905	28,596	241°08'39"
375		7500,000	9.864.537,6949	813.819,0384	28,805	241°08'39"
375+10,000	PC33	7510,000	9.864.546,4533	813.814,2123	28,969	241°08'39"
376	PT33	7520,000	9.864.555,9912	813.811,5072	29,598	267°11'16"
377	PTV15	7540,000	9.864.575,9672	813.810,5260	30,845	267°11'16"
377+10,000	PCC35	7550,000	9.864.585,9124	813.811,2825	31,133	281°30'42"
378		7560,000	9.864.595,8051	813.812,7046	31,331	274°50'58"
378+10,000	PT35	7570,000	9.864.605,7959	813.812,9694	31,423	268°11'14"
379		7580,000	9.864.615,7909	813.812,6531	31,546	268°11'14"
380	PIV15	7600,000	9.864.635,7809	813.812,0204	31,837	268°11'14"
381		7620,000	9.864.655,7709	813.811,3877	32,260	268°11'14"
382		7640,000	9.864.675,7609	813.810,7550	32,698	268°11'14"
382+10,000	PC36	7650,000	9.864.685,7559	813.810,4387	32,942	268°11'14"
383		7660,000	9.864.695,7520	813.810,5570	33,199	273°10'10"
383+10,000	PT36	7670,000	9.864.705,7001	813.811,5431	33,345	278°09'06"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
384	PIV16	7680,000	9.864.715,5991	813.812,9610	33,426	278°09'06"
385		7700,000	9.864.735,3970	813.815,7969	33,662	278°09'06"
386	PC37	7720,000	9.864.755,1950	813.818,6328	34,328	278°09'06"
387		7740,000	9.864.774,7578	813.815,9656	34,796	246°19'14"
387+10,000	PT37	7750,000	9.864.783,2443	813.810,7370	35,036	230°24'19"
388	PIV17	7760,000	9.864.790,9500	813.804,3635	35,264	230°24'19"
388+10,000	PI38	7770,000	9.864.798,6557	813.797,9900	35,521	229°25'14"
389		7780,000	9.864.806,1379	813.791,3554	35,858	228°26'10"
390		7800,000	9.864.821,1022	813.778,0863	36,529	228°26'10"
391	PCV19	7820,000	9.864.836,0665	813.764,8172	37,188	228°26'10"
392		7840,000	9.864.851,0308	813.751,5481	38,043	228°26'10"
392+10,000	PI39	7850,000	9.864.858,5130	813.744,9136	38,540	227°17'36"
392+19,943	PCCV20	7859,943	9.864.865,6835	813.738,0254		226°09'02"
393		7860,000	9.864.865,7246	813.737,9859	39,381	226°09'02"
394		7880,000	9.864.880,1479	813.724,1306	41,091	226°09'02"
394+10,000	PI40	7890,000	9.864.887,3595	813.717,2030	41,327	226°41'24"
395	PTV20	7900,000	9.864.894,7003	813.710,4123	41,248	227°13'46"
396		7920,000	9.864.909,3819	813.696,8310	41,239	227°13'46"
397		7940,000	9.864.924,0635	813.683,2497	41,412	227°13'46"
398		7960,000	9.864.938,7451	813.669,6685	41,582	227°13'46"
399	PCV21	7980,000	9.864.953,4266	813.656,0872	41,838	227°13'46"
400		8000,000	9.864.968,1082	813.642,5059	42,103	227°13'46"
401		8020,000	9.864.982,7898	813.628,9246	41,766	227°13'46"
402	PTV21	8040,000	9.864.997,4714	813.615,3433	40,912	227°13'46"
402+10,000	PI41	8050,000	9.865.004,8122	813.608,5527	40,444	226°12'56"
403		8060,000	9.865.011,9081	813.601,5065	39,975	225°12'06"
404		8080,000	9.865.026,0999	813.587,4143	39,253	225°12'06"
405		8100,000	9.865.040,2917	813.573,3220	38,528	225°12'06"
406	PCV22	8120,000	9.865.054,4835	813.559,2297	37,597	225°12'06"
406+10,000	PI42	8130,000	9.865.061,5794	813.552,1836	37,167	227°08'53"
407		8140,000	9.865.069,1373	813.545,6354	36,816	229°05'40"
408		8160,000	9.865.084,2531	813.532,5392	36,527	229°05'40"
409	V23	8180,000	9.865.099,3690	813.519,4429	36,320	229°05'40"