

Estaca	PNH	PNV	Norte	Este	Cota	Az. Seção	Grade
0		V0	8.389,660	4.159,704	486,796	285°50'01"	486,796
1			8.408,901	4.165,161	486,960	285°50'01"	486,953
2			8.428,142	4.170,618	486,857	285°50'01"	487,110
3			8.447,383	4.176,075	486,845	285°50'01"	487,267
4			8.466,625	4.181,532	487,031	285°50'01"	487,424
5			8.485,866	4.186,988	486,982	285°50'01"	487,581
6			8.505,107	4.192,445	487,096	285°50'01"	487,738
7			8.524,348	4.197,902	487,215	285°50'01"	487,894
8			8.543,589	4.203,359	487,341	285°50'01"	488,051
8+13,629	PC1		8.556,701	4.207,078	487,596	285°50'01"	488,158
9			8.562,841	4.208,777	487,631	285°06'13"	488,208
10			8.582,250	4.213,601	487,809	282°48'42"	488,365
10+9,359	PT1		8.591,394	4.215,591	488,275	281°44'21"	488,439
11			8.601,813	4.217,756	488,346	281°44'21"	488,522
12			8.621,395	4.221,825	488,359	281°44'21"	488,679
13			8.640,976	4.225,894	488,243	281°44'21"	488,836
14			8.660,558	4.229,963	488,853	281°44'21"	488,993
15			8.680,140	4.234,032	488,425	281°44'21"	489,150
16			8.699,721	4.238,101	488,515	281°44'21"	489,307
17			8.719,303	4.242,170	488,593	281°44'21"	489,464
18			8.738,885	4.246,240	488,696	281°44'21"	489,621
19			8.758,466	4.250,309	488,833	281°44'21"	489,777
20			8.778,048	4.254,378	489,623	281°44'21"	489,934
20+17,634	PI2		8.795,313	4.257,966	489,118	281°42'54"	490,073
21			8.797,630	4.258,445	489,135	281°41'27"	490,091
22			8.817,215	4.262,498	489,285	281°41'27"	490,248
23			8.836,800	4.266,550	489,436	281°41'27"	490,405
24			8.856,385	4.270,603	489,782	281°41'27"	490,562
25			8.875,970	4.274,656	489,935	281°41'27"	490,719
26			8.895,556	4.278,708	490,089	281°41'27"	490,876
27			8.915,141	4.282,761	490,076	281°41'27"	491,033
28			8.934,726	4.286,813	490,232	281°41'27"	491,190
29			8.954,311	4.290,866	490,322	281°41'27"	491,347
30			8.973,896	4.294,919	490,569	281°41'27"	491,504
31			8.993,481	4.298,971	490,642	281°41'27"	491,660
32			9.013,066	4.303,024	490,805	281°41'27"	491,817
33			9.032,651	4.307,077	490,961	281°41'27"	491,974
34			9.052,236	4.311,129	491,115	281°41'27"	492,131
35			9.071,821	4.315,182	491,495	281°41'27"	492,288
36			9.091,407	4.319,234	491,886	281°41'27"	492,445
37			9.110,992	4.323,287	492,326	281°41'27"	492,602
38			9.130,577	4.327,340	492,136	281°41'27"	492,759
39			9.150,162	4.331,392	492,265	281°41'27"	492,916
40			9.169,747	4.335,445	492,445	281°41'27"	493,073
41			9.189,332	4.339,497	492,681	281°41'27"	493,230
42			9.208,917	4.343,550	492,959	281°41'27"	493,387
43			9.228,502	4.347,603	493,210	281°41'27"	493,543
44			9.248,087	4.351,655	493,460	281°41'27"	493,700
45			9.267,673	4.355,708	493,799	281°41'27"	493,857
46			9.287,258	4.359,761	494,139	281°41'27"	494,014
47			9.306,843	4.363,813	494,171	281°41'27"	494,171
47+0,001		PCV1	9.306,844	4.363,813		281°41'27"	494,171
48			9.326,428	4.367,866	494,695	281°41'27"	494,327


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Estaca	PNH	PNV	Norte	Esté	Cota	Az. Seção	Grade
49			9.346,013	4.371,918	495,345	281°41'27"	494,481
50			9.365,598	4.375,971	495,751	281°41'27"	494,633
51			9.385,183	4.380,024	496,021	281°41'27"	494,783
52			9.404,768	4.384,076	496,222	281°41'27"	494,931
53			9.424,353	4.388,129	496,324	281°41'27"	495,077
54			9.443,938	4.392,181	496,481	281°41'27"	495,221
55			9.463,524	4.396,234	496,668	281°41'27"	495,364
56			9.483,109	4.400,287	496,838	281°41'27"	495,504
57			9.502,694	4.404,339	497,011	281°41'27"	495,642
58			9.522,279	4.408,392	497,239	281°41'27"	495,778
59			9.541,864	4.412,445	497,333	281°41'27"	495,913
60			9.561,449	4.416,497	497,373	281°41'27"	496,045
61			9.581,034	4.420,550	497,538	281°41'27"	496,175
62			9.600,619	4.424,602	497,314	281°41'27"	496,304
63			9.620,204	4.428,655	497,212	281°41'27"	496,430
64			9.639,790	4.432,708	497,079	281°41'27"	496,555
65			9.659,375	4.436,760	496,785	281°41'27"	496,677
66			9.678,960	4.440,813	496,664	281°41'27"	496,798
67			9.698,545	4.444,865	496,654	281°41'27"	496,916
67+14,211	PC3		9.712,461	4.447,745	496,614	281°41'27"	497,000
68			9.718,112	4.449,000	496,543	283°20'57"	497,033
69			9.737,309	4.454,582	496,473	289°04'44"	497,148
70			9.755,852	4.462,053	496,389	294°48'30"	497,260
71			9.773,557	4.471,338	496,367	300°32'17"	497,371
72			9.790,246	4.482,343	496,359	306°16'03"	497,480
73			9.805,754	4.494,960	496,346	311°59'50"	497,587
74			9.819,924	4.509,063	496,381	317°43'36"	497,692
75			9.832,615	4.524,509	496,402	323°27'23"	497,794
76			9.843,702	4.541,145	496,556	329°11'09"	497,895
77			9.853,072	4.558,805	496,581	334°54'56"	497,994
77+17,129	CE4		9.859,661	4.574,610	496,609	339°49'21"	498,077
78			9.860,651	4.577,305	496,617	339°50'30"	498,091
79			9.867,521	4.596,088	496,907	339°58'18"	498,186
80			9.874,351	4.614,886	496,986	340°05'44"	498,279
81			9.881,140	4.633,698	497,365	340°12'50"	498,370
82			9.887,892	4.652,524	497,316	340°19'34"	498,460
83			9.894,607	4.671,363	497,754	340°25'57"	498,547
84			9.901,289	4.690,214	497,549	340°31'59"	498,632
85			9.907,938	4.709,076	497,672	340°37'40"	498,715
86			9.914,558	4.727,949	498,205	340°43'00"	498,796
87			9.921,149	4.746,832	498,128	340°47'59"	498,876
88			9.927,713	4.765,724	498,249	340°52'37"	498,953
89			9.934,253	4.784,624	498,362	340°56'53"	499,028
90			9.940,771	4.803,532	498,554	341°00'49"	499,102
91			9.947,268	4.822,448	498,702	341°04'23"	499,173
92			9.953,746	4.841,370	498,855	341°07'37"	499,243
93			9.960,207	4.860,297	499,040	341°10'29"	499,310
94			9.966,654	4.879,230	499,267	341°13'00"	499,376
95			9.973,088	4.898,166	499,460	341°15'10"	499,439
96			9.979,510	4.917,107	499,461	341°16'59"	499,501
97			9.985,924	4.936,051	499,531	341°18'27"	499,560
98			9.992,331	4.954,997	499,733	341°19'33"	499,618
99			9.998,732	4.973,945	499,468	341°20'19"	499,674

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Estaca	PNH	PNV	Norte	Este	Cota	Az. Seção	Grade
100			10.005,130	4.992,894	499,693	341°20'44"	499,728
100+13,259		V2	10.009,371	5.005,456	499,762	341°20'48"	499,762

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Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0,0		0,000	8.389,660	4.159,704	486,796	
1		20,000	8.408,901	4.165,161	486,953	
2		40,000	8.428,142	4.170,618	487,110	
3		60,000	8.447,383	4.176,075	487,267	
4		80,000	8.466,625	4.181,532	487,424	
5		100,000	8.485,866	4.186,988	487,581	
6		120,000	8.505,107	4.192,445	487,738	
7		140,000	8.524,348	4.197,902	487,894	
8		160,000	8.543,589	4.203,359	488,051	
8+13,629		173,629	8.556,701	4.207,078	488,158	
9		180,000	8.562,841	4.208,777	488,208	
10		199,999	8.582,250	4.213,601	488,365	
10+9,359		209,357	8.591,394	4.215,591	488,439	
11		219,999	8.601,813	4.217,756	488,522	
12		239,999	8.621,395	4.221,825	488,679	
13		259,998	8.640,976	4.225,894	488,836	
14		279,999	8.660,558	4.229,963	488,993	
15		299,999	8.680,140	4.234,032	489,150	
16		319,998	8.699,721	4.238,101	489,307	
17		339,998	8.719,303	4.242,170	489,464	
18		359,999	8.738,885	4.246,240	489,621	
19		379,998	8.758,466	4.250,309	489,777	
20		399,999	8.778,048	4.254,378	489,934	
20+17,634		417,632	8.795,313	4.257,966	490,073	
21		419,998	8.797,630	4.258,445	490,091	
22		439,998	8.817,215	4.262,498	490,248	
23		459,998	8.836,800	4.266,550	490,405	
24		479,998	8.856,385	4.270,603	490,562	
25		499,998	8.875,970	4.274,656	490,719	
26		519,999	8.895,556	4.278,708	490,876	
27		539,999	8.915,141	4.282,761	491,033	
28		559,999	8.934,726	4.286,813	491,190	
29		579,999	8.954,311	4.290,866	491,347	
31		599,999	8.973,896	4.294,919	491,504	
31		619,998	8.993,481	4.298,971	491,660	
32		639,998	9.013,066	4.303,024	491,817	
33		659,998	9.032,651	4.307,077	491,974	
34		679,998	9.052,236	4.311,129	492,131	
35		699,998	9.071,821	4.315,182	492,288	
36		719,999	9.091,407	4.319,234	492,445	
37		739,999	9.110,992	4.323,287	492,602	
38		759,999	9.130,577	4.327,340	492,759	
39		779,999	9.150,162	4.331,392	492,916	
40		799,999	9.169,747	4.335,445	493,073	
41		819,998	9.189,332	4.339,497	493,230	
42		839,998	9.208,917	4.343,550	493,387	
43		859,998	9.228,502	4.347,603	493,543	
44		879,998	9.248,087	4.351,655	493,700	
45		899,999	9.267,673	4.355,708	493,857	
46		919,999	9.287,258	4.359,761	494,014	
47		939,999	9.306,843	4.363,813	494,171	

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Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
48		959,999	9.326,428	4.367,866	494,327	
49		979,998	9.346,013	4.371,918	494,481	
50		999,998	9.365,598	4.375,971	494,633	
51		1019,998	9.385,183	4.380,024	494,783	
52		1039,998	9.404,768	4.384,076	494,931	
53		1059,998	9.424,353	4.388,129	495,077	
54		1079,998	9.443,938	4.392,181	595,221	
55		1099,999	9.463,524	4.396,234	495,364	
56		1119,999	9.483,109	4.400,287	495,504	
57		1139,999	9.502,694	4.404,339	495,642	
58		1159,999	9.522,279	4.408,392	495,778	
59		1179,999	9.541,864	4.412,445	495,913	
60		1199,998	9.561,449	4.416,497	496,045	
61		1219,998	9.581,034	4.420,550	496,175	
62		1239,998	9.600,619	4.424,602	496,304	
63		1259,998	9.620,204	4.428,655	496,430	
64		1279,999	9.639,790	4.432,708	496,555	
65		1299,999	9.659,375	4.436,760	496,677	
66		1319,999	9.678,960	4.440,813	496,798	
67		1339,999	9.698,545	4.444,865	496,916	
67+14,211		1354,209	9.712,461	4.447,745	497,000	
68		1359,998	9.718,112	4.449,000	497,033	
69		1379,990	9.737,309	4.454,582	497,148	
71		1399,982	9.755,852	4.462,053	497,260	
71		1419,974	9.773,557	4.471,338	497,371	
72		1439,964	9.790,246	4.482,343	497,480	
73		1459,957	9.805,754	4.494,960	497,587	
74		1479,949	9.819,924	4.509,063	497,692	
75		1499,940	9.832,615	4.524,509	497,794	
76		1519,932	9.843,702	4.541,145	497,895	
77		1539,924	9.853,072	4.558,805	497,994	
77+17,129		1557,047	9.859,661	4.574,610	498,077	
78		1559,918	9.860,651	4.577,305	498,091	
80		1579,918	9.867,521	4.596,088	498,186	
80		1599,918	9.874,351	4.614,886	498,276	
81		1619,918	9.881,140	4.633,698	498,370	
82		1639,918	9.887,892	4.652,524	498,460	
83		1659,918	9.894,607	4.671,363	498,547	
84		1679,918	9.901,289	4.690,214	498,632	
85		1699,918	9.907,938	4.709,076	498,715	
86		1719,918	9.914,558	4.727,949	498,796	
87		1739,918	9.921,149	4.746,832	498,876	
88		1759,918	9.927,713	4.765,724	498,953	
89		1779,918	9.934,253	4.784,624	499,028	
90		1799,918	9.940,771	4.803,532	499,102	
91		1819,918	9.947,268	4.822,448	499,173	
92		1839,919	9.953,746	4.841,370	499,243	
93		1859,918	9.960,207	4.860,297	499,310	
94		1879,919	9.966,654	4.879,230	499,376	
95		1899,918	9.973,088	4.898,166	499,439	
96		1919,918	9.979,510	4.917,107	499,501	

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Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
97		1939,918	9.985,924	4.936,051	499,560	
98		1959,918	9.992,331	4.954,997	499,618	
99		1979,918	9.998,732	4.973,945	499,674	
100		1999,918	10.005,130	4.992,894	499,728	
100+13,259		2013,177	10.009,371	5.005,456	499,762	


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