

Meridiano	Datum	Hemisf.
-45°00'00"	SAD-69	Sul

Nome	Descrição	Norte	Este	Cota
L2	EST	8.500.180,1794	676.241,1748	442,059

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX1	AUV1	8.500.108,1744	676.209,4891	442,022	203°45'07"	4°46'19"	78,6683	-0,0376
2	EIXO	8.500.173,2846	676.234,2525	442,043	225°06'53"	26°08'05"	9,7702	-0,0167
3	BORDO	8.500.171,9444	676.237,9600	442,053	201°19'31"	2°20'43"	8,8402	-0,0059
4	CRISTA	8.500.171,0362	676.239,9247	441,793	187°47'09"	348°48'21"	9,2282	-0,2662
5	PE	8.500.170,6748	676.241,0641	440,922	180°40'03"	341°41'15"	9,5052	-1,1377
6	CERCA	8.500.165,8383	676.252,0802	440,494	142°44'59"	303°46'11"	18,0165	-1,5648
7	COTA	8.500.163,0946	676.260,9652	440,587	130°48'13"	291°49'25"	26,1448	-1,4724
8	BORDO	8.500.174,2569	676.231,5077	441,823	238°30'24"	39°31'36"	11,3370	-0,2358
9	CRISTA	8.500.174,4706	676.230,3669	441,575	242°09'26"	43°10'38"	12,2230	-0,4839
10	PE	8.500.174,9851	676.227,9140	440,967	248°36'36"	49°37'48"	14,2418	-1,0921
11	CERCA	8.500.178,2581	676.215,5569	440,455	265°42'40"	66°43'52"	25,6898	-1,6042
12	COTA	8.500.177,8498	676.204,2544	440,463	266°23'23"	67°24'35"	36,9938	-1,5961
13	EIXO	8.500.154,3096	676.228,0349	442,095	206°55'38"	7°56'50"	29,0155	0,0353
14	BORDO	8.500.153,0113	676.232,0812	442,051	198°30'23"	359°31'35"	28,6496	-0,0081
15	CRISTA	8.500.151,9803	676.233,7643	441,727	194°43'27"	355°44'39"	29,1565	-0,3320
16	PE	8.500.151,4938	676.236,7914	440,763	188°41'18"	349°42'30"	29,0185	-1,2966
17	CERCA	8.500.147,9387	676.245,9829	440,440	171°31'05"	332°32'17"	32,5972	-1,6191
18	COTA	8.500.144,2262	676.255,7035	440,672	157°59'47"	319°00'59"	38,7777	-1,3868
19	BORDO	8.500.155,6647	676.225,0262	441,842	213°22'28"	14°23'40"	29,3555	-0,2170
20	CRISTA	8.500.155,7680	676.224,0492	441,465	215°03'05"	16°04'17"	29,8195	-0,5939
21	PE	8.500.156,1701	676.222,4440	441,045	217°57'35"	18°58'47"	30,4514	-1,0145
22	CERCA	8.500.158,6554	676.212,1523	440,461	233°26'18"	34°27'30"	36,1329	-1,5983
23	COTA	8.500.161,2519	676.205,1397	440,695	242°17'22"	43°18'34"	40,7035	-1,3641

Nome	Descrição	Norte	Este	Cota
AUX1	EST	8.500.108,1744	676.209,4891	442,022

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
24	EIXO	8.500.135,3173	676.221,7615	442,129	24°19'47"	0°34'40"	29,7885	0,1072
25	BORDO	8.500.133,8303	676.225,5500	442,033	32°02'50"	8°17'43"	30,2684	0,0110
26	CRISTA	8.500.133,3662	676.227,1213	441,738	34°59'20"	11°14'13"	30,7494	-0,2841
27	PE	8.500.132,5381	676.229,0449	440,930	38°45'10"	15°00'03"	31,2413	-1,0920
28	CERCA	8.500.129,8107	676.239,5515	440,497	54°15'25"	30°30'18"	37,0388	-1,5249
29	COTA	8.500.130,1186	676.255,5994	440,589	64°33'00"	40°47'53"	51,0656	-1,4323
30	BORDO	8.500.136,6172	676.218,3176	441,824	17°14'39"	353°29'32"	29,7815	-0,1973
31	CRISTA	8.500.137,0645	676.216,9918	441,507	14°33'29"	350°48'22"	29,8485	-0,5142
32	PE	8.500.138,4620	676.213,9504	440,641	8°22'46"	344°37'39"	30,6144	-1,3810
33	CERCA	8.500.139,4654	676.207,4820	440,563	356°19'48"	332°34'41"	31,3553	-1,4588
34	COTA	8.500.143,8748	676.198,9988	440,659	343°37'30"	319°52'23"	37,2098	-1,3628
35	EIXO	8.500.116,3667	676.215,5273	442,185	36°23'32"	12°38'25"	10,1771	0,1635
36	BORDO	8.500.115,1252	676.219,1629	442,057	54°18'08"	30°33'01"	11,9120	0,0356
37	CRISTA	8.500.114,3516	676.221,0218	441,580	61°49'31"	38°04'24"	13,0829	-0,4414
38	PE	8.500.114,0104	676.222,8565	440,856	66°24'53"	42°39'46"	14,5858	-1,1654
39	CERCA	8.500.113,0225	676.233,9084	440,507	78°46'15"	55°01'08"	24,8959	-1,5148
40	COTA	8.500.107,3556	676.246,8500	440,627	91°15'20"	67°30'13"	37,3698	-1,3943

Meridiano	Datum	Hemisf.
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Nome	Descrição	Norte	Este	Cota
AUX1	EST	8.500.108,1744	676.209,4891	442,022

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
41	BORDO	8.500.117,6791	676.212,0289	441,876	14°57'39"	351°12'32"	9,8382	-0,1460
42	CRISTA	8.500.118,3861	676.210,5546	441,531	5°57'24"	342°12'17"	10,2671	-0,4903
43	PE	8.500.119,5183	676.207,8068	440,628	351°33'53"	327°48'46"	11,4680	-1,3935
44	CERCA	8.500.121,5000	676.202,3707	440,611	331°53'22"	308°08'15"	15,1077	-1,4102
45	COTA	8.500.125,2051	676.190,4835	440,860	311°51'48"	288°06'41"	25,5198	-1,1617
46	EIXO	8.500.097,3901	676.209,2021	442,272	181°31'29"	157°46'22"	10,7881	0,2498
47	BORDO	8.500.096,0970	676.212,5855	442,139	165°37'14"	141°52'07"	12,4679	0,1174
48	CRISTA	8.500.095,3459	676.214,2050	441,758	159°48'59"	136°03'52"	13,6678	-0,2635
49	PE	8.500.094,8268	676.215,8244	440,933	154°36'34"	130°51'27"	14,7747	-1,0884
50	CERCA	8.500.090,4730	676.225,8509	440,654	137°15'08"	113°30'01"	24,1049	-1,3678
51	COTA	8.500.083,6660	676.242,5166	440,780	126°34'40"	102°49'33"	41,1275	-1,2413
52	BORDO	8.500.098,6124	676.205,5486	441,947	202°23'48"	178°38'41"	10,3421	-0,0749
53	BORDO	8.500.099,0507	676.204,0829	441,633	210°38'56"	186°53'49"	10,6051	-0,3884
54	PE	8.500.099,7626	676.200,5084	440,732	226°52'25"	203°07'18"	12,3049	-1,2900
55	CERCA	8.500.101,1744	676.195,9916	440,697	242°35'18"	218°50'11"	15,2047	-1,3246
56	COTA	8.500.103,8129	676.186,1258	440,902	259°25'33"	235°40'26"	23,7670	-1,1200
57	EIXO	8.500.073,9794	676.201,5082	442,322	193°08'15"	169°23'08"	35,1140	0,3005
58	BORDO	8.500.072,8285	676.204,9676	442,190	187°17'24"	163°32'17"	35,6340	0,1680
59	CRISTA	8.500.072,2126	676.206,7110	442,031	184°25'03"	160°39'56"	36,0689	0,0092
60	NA TUBO	8.500.072,3017	676.206,7652	440,811	184°20'33"	160°35'26"	35,9759	-1,2107
61	CERCA	8.500.067,8581	676.218,2327	440,743	167°45'49"	144°00'42"	41,2535	-1,2785
62	COTA	8.500.064,5037	676.227,4160	440,765	157°40'55"	133°55'48"	47,2070	-1,2569
63	BORDO	8.500.075,1524	676.197,8143	442,073	199°28'16"	175°43'09"	35,0250	0,0510
64	CRISTA	8.500.075,4672	676.196,8731	442,041	201°05'35"	177°20'28"	35,0560	0,0191
65	NA TUBO	8.500.075,7384	676.196,7470	440,873	201°26'49"	177°41'42"	34,8490	-1,1487
66	CERCA	8.500.078,0643	676.187,7327	440,760	215°51'02"	192°05'55"	37,1478	-1,2619
67	COTA	8.500.083,7857	676.174,2540	440,121	235°18'37"	211°33'30"	42,8523	-1,9009
68	EIXO	8.500.054,9487	676.195,2349	442,387	194°59'33"	171°14'26"	55,1013	0,3648
69	BORDO	8.500.053,8163	676.198,8093	442,280	191°06'56"	167°21'49"	55,3973	0,2586
70	CRISTA	8.500.053,3483	676.200,1532	441,971	189°39'50"	165°54'43"	55,6152	-0,0508
71	PE	8.500.052,7160	676.201,6175	441,288	188°04'43"	164°19'36"	56,0142	-0,7334
72	CERCA	8.500.050,2265	676.212,5186	440,791	177°00'27"	153°15'20"	58,0270	-1,2310
73	COTA	8.500.047,0438	676.219,5113	440,844	170°41'22"	146°56'15"	61,9467	-1,1779
74	BORDO	8.500.056,2960	676.191,6609	442,146	198°57'56"	175°12'49"	54,8563	0,1238
75	CRISTA	8.500.056,8642	676.190,5401	441,947	200°16'10"	176°31'03"	54,6973	-0,0743
76	PE	8.500.058,0130	676.186,4550	441,029	204°39'53"	180°54'46"	55,1973	-0,9931
77	CERCA	8.500.059,2038	676.181,7947	441,226	209°29'23"	185°44'16"	56,2592	-0,7954
78	COTA	8.500.060,7314	676.174,2828	441,755	216°34'42"	192°49'35"	59,0790	-0,2670

Nome	Descrição	Norte	Este	Cota
L3	EST	8.499.985,2459	676.169,2161	442,868

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX2	AUX2	8.499.933,1008	676.151,7476	443,117	198°31'15"	178°15'34"	54,9933	0,2487
80	EIXO	8.500.035,9998	676.188,9360	442,503	21°13'59"	0°58'18"	54,4503	-0,3652

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Nome	Descrição	Norte	Este	Cota
L3	EST	8.499.985,2459	676.169,2161	442,868

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
81	BORDO	8.500.035,1297	676.191,9846	442,494	24°32'00"	4°16'19"	54,8343	-0,3746
82	CRISTA	8.500.034,7663	676.193,4593	442,446	26°05'04"	5°49'23"	55,1363	-0,4226
83	PE	8.500.034,2708	676.195,4193	441,349	28°07'26"	7°51'45"	55,5882	-1,5197
84	CERCA	8.500.030,6879	676.205,9572	440,932	38°57'23"	18°41'42"	58,4370	-1,9360
85	COTA	8.500.029,2407	676.212,6557	441,125	44°38'10"	24°22'29"	61,8267	-1,7438
86	BORDO	8.500.037,2180	676.185,4260	442,290	17°19'21"	357°03'40"	54,4413	-0,5782
87	CRISTA	8.500.037,3438	676.183,9941	442,297	15°50'11"	355°34'30"	54,1534	-0,5714
88	PE	8.500.039,3740	676.179,4889	441,147	10°44'46"	350°29'05"	55,0943	-1,7217
89	CERCA	8.500.039,4011	676.175,7694	441,238	6°53'59"	346°38'18"	54,5503	-1,6306
90	PE	8.500.039,2052	676.175,0089	441,302	6°07'39"	345°51'58"	54,2694	-1,5661
91	CRISTA	8.500.038,8812	676.173,7111	442,174	4°47'26"	344°31'45"	53,8234	-0,6938
92	COTA	8.500.039,6873	676.165,1596	443,072	355°44'19"	335°28'38"	54,5923	0,2041
93	EIXO	8.500.017,0302	676.182,5994	442,739	22°50'03"	2°34'22"	34,4870	-0,1295
94	BORDO	8.500.015,6706	676.185,6913	442,598	28°26'09"	8°10'28"	34,5990	-0,2705
95	CRISTA	8.500.015,1267	676.186,7454	442,406	30°23'51"	10°08'10"	34,6430	-0,4628
96	PE	8.500.014,6491	676.188,6242	441,732	33°25'39"	13°09'58"	35,2310	-1,1367
97	CERCA	8.500.010,3805	676.198,7280	441,120	49°34'47"	29°19'06"	38,7647	-1,7480
98	COTA	8.500.007,8057	676.205,6034	441,065	58°12'05"	37°56'24"	42,8133	-1,8034
99	BORDO	8.500.018,5823	676.179,2126	442,542	16°41'32"	356°25'51"	34,8030	-0,3266
100	CRISTA	8.500.018,5372	676.178,5499	442,442	15°39'42"	355°24'01"	34,5750	-0,4266
101	PE	8.500.020,2726	676.173,6875	441,391	7°16'29"	347°00'48"	35,3110	-1,4773
102	CERCA	8.500.021,8945	676.169,9923	441,471	1°12'48"	340°57'07"	36,6569	-1,3977
103	PE	8.500.020,8352	676.168,6422	441,562	359°04'34"	338°48'53"	35,5940	-1,3066
104	CRISTA	8.500.021,5327	676.166,8496	443,102	356°16'07"	336°00'26"	36,3639	0,2337
105	COTA	8.500.028,1598	676.162,8658	443,709	351°34'57"	331°19'16"	43,3813	0,8409
106	EIXO	8.499.998,0619	676.176,3066	442,885	28°57'13"	8°41'32"	14,6467	0,0166
107	BORDO	8.499.996,6862	676.179,1962	442,751	41°06'00"	20°50'19"	15,1817	-0,1172
108	CRISTA	8.499.996,2563	676.180,4343	442,665	45°32'08"	25°16'27"	15,7187	-0,2029
109	PE	8.499.995,6008	676.182,4729	441,721	52°00'23"	31°44'42"	16,8216	-1,1475
110	CERCA	8.499.992,0638	676.192,7722	441,084	73°51'28"	53°35'47"	24,5229	-1,7839
111	COTA	8.499.988,4748	676.197,1266	441,414	83°24'03"	63°08'22"	28,0966	-1,4545
112	BORDO	8.499.999,7225	676.172,9069	442,662	14°18'09"	354°02'28"	14,9397	-0,2060
113	CRISTA	8.500.000,0457	676.171,8059	442,508	9°55'31"	349°39'50"	15,0247	-0,3603
114	PE	8.500.000,1881	676.168,9427	441,776	358°57'06"	338°41'25"	14,9447	-1,0927
115	CERCA	8.500.001,2563	676.163,2972	441,578	339°42'40"	319°26'59"	17,0695	-1,2905
116	PE	8.500.001,7402	676.162,4335	441,607	337°38'49"	317°23'08"	17,8345	-1,2613
117	CRISTA	8.500.001,8731	676.160,7546	443,191	333°01'43"	312°46'02"	18,6564	0,3223
118	COTA	8.500.006,5336	676.155,4799	444,024	327°10'02"	306°54'21"	25,3348	1,1561
119	EIXO	8.499.979,0528	676.170,0237	442,936	172°34'15"	152°18'34"	6,2455	0,0681
120	BORDO	8.499.977,5885	676.172,9888	442,828	153°46'17"	133°30'36"	8,5363	-0,0399
121	CRISTA	8.499.977,0760	676.173,7657	442,719	150°53'17"	130°37'36"	9,3512	-0,1492
122	PE	8.499.976,2665	676.176,2252	441,779	142°01'32"	121°45'51"	11,3910	-1,0895
123	CERCA	8.499.973,0513	676.186,2920	441,377	125°31'56"	105°16'15"	20,9832	-1,4916
124	COTA	8.499.970,0298	676.192,6692	441,732	122°58'30"	102°42'49"	27,9566	-1,1363
125	BORDO	8.499.979,9951	676.166,2462	442,648	209°29'37"	189°13'56"	6,0325	-0,2205

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Nome	Descrição	Norte	Este	Cota
L3	EST	8.499.985,2459	676.169,2161	442,868

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
126	CRISTA	8.499.980,2419	676.165,2238	442,443	218°35'01"	198°19'20"	6,4015	-0,4252
127	PE	8.499.980,7149	676.163,3625	441,894	232°15'31"	211°59'50"	7,4024	-0,9740
128	CERCA	8.499.982,9147	676.157,0129	441,660	259°11'07"	238°55'26"	12,4239	-1,2087
129	PE	8.499.983,2007	676.155,6617	441,821	261°25'10"	241°09'29"	13,7078	-1,0476
130	CRISTA	8.499.982,4669	676.154,1964	442,919	259°31'04"	239°15'23"	15,2747	0,0505
131	COTA	8.499.986,3491	676.145,0844	443,886	272°37'03"	252°21'22"	24,1569	1,0179

Nome	Descrição	Norte	Este	Cota
AUX2	EST	8.499.933,1008	676.151,7476	443,117

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
132	EIXO	8.499.960,1239	676.163,7913	442,987	24°01'18"	5°30'03"	29,5855	-0,1302
133	BORDO	8.499.959,0856	676.166,6048	442,909	29°45'34"	11°14'19"	29,9324	-0,2076
134	CRISTA	8.499.958,5396	676.168,0391	442,684	32°38'11"	14°06'56"	30,2084	-0,4335
135	PE	8.499.958,5871	676.170,3486	442,277	36°07'25"	17°36'10"	31,5523	-0,8399
136	CERCA	8.499.956,5044	676.180,3276	442,235	50°41'12"	32°09'57"	36,9398	-0,8821
137	COTA	8.499.953,0617	676.186,2790	442,409	59°58'12"	41°26'57"	39,8856	-0,7081
138	BORDO	8.499.961,4578	676.160,3616	442,749	16°53'50"	358°22'35"	29,6365	-0,3679
139	CRISTA	8.499.961,7981	676.159,1690	442,599	14°29'59"	355°58'44"	29,6415	-0,5177
140	PE	8.499.963,7784	676.155,8171	441,967	7°33'23"	349°02'08"	30,9463	-1,1496
141	CERCA	8.499.965,7894	676.151,2025	441,835	359°02'41"	340°31'26"	32,6932	-1,2823
142	PE	8.499.966,4631	676.149,3119	442,003	355°49'28"	337°18'13"	33,4511	-1,1138
143	CRISTA	8.499.967,1462	676.148,3752	443,143	354°20'35"	335°49'20"	34,2121	0,0260
144	COTA	8.499.969,9522	676.140,0259	443,950	342°21'19"	323°50'04"	38,6707	0,8333
145	EIXO	8.499.941,0979	676.157,4210	443,120	35°21'12"	16°49'57"	9,8052	0,0030
146	BORDO	8.499.939,7919	676.160,5427	443,026	52°44'14"	34°12'59"	11,0511	-0,0906
147	COTA	8.499.938,7259	676.165,0629	442,554	67°05'54"	48°34'39"	14,4548	-0,5630
148	PE	8.499.938,0447	676.171,5623	442,292	75°59'25"	57°28'10"	20,4222	-0,8249
149	CRISTA	8.499.938,3990	676.173,3206	443,248	76°12'06"	57°40'51"	22,2141	0,1310
150	CERCA	8.499.938,4633	676.174,4549	443,274	76°42'45"	58°11'30"	23,3320	0,1572
151	COTA	8.499.934,9311	676.176,8487	443,580	85°49'46"	67°18'31"	25,1678	0,4633
152	BORDO	8.499.942,2276	676.154,7793	442,964	18°22'31"	359°51'16"	9,6172	-0,1534
153	COTA	8.499.943,4008	676.150,8960	442,351	355°16'26"	336°45'11"	10,3351	-0,7657
154	CERCA	8.499.945,4380	676.144,7354	442,288	330°23'14"	311°51'59"	14,1908	-0,8293
155	PE	8.499.946,2195	676.142,3685	442,349	324°26'15"	305°55'00"	16,1266	-0,7677
156	CRISTA	8.499.947,6976	676.141,2691	443,982	324°19'37"	305°48'22"	17,9685	0,8649
157	COTA	8.499.951,8090	676.132,0587	444,557	313°32'13"	295°00'58"	27,1597	1,4396
158	EIXO	8.499.922,0910	676.151,0964	443,303	183°23'05"	164°51'50"	11,0291	0,1859
159	BORDO	8.499.920,9527	676.154,2090	443,295	168°32'45"	150°01'30"	12,3949	0,1781
160	COTA	8.499.920,8283	676.155,7893	443,205	161°46'18"	143°15'03"	12,9209	0,0877
161	COTA	8.499.920,7646	676.156,9695	442,899	157°03'25"	138°32'10"	13,3959	-0,2176
162	PE	8.499.917,5209	676.164,7819	442,667	140°05'01"	121°33'46"	20,3133	-0,4502
163	CRISTA	8.499.917,6303	676.166,3566	444,251	136°38'26"	118°07'11"	21,2782	1,1344
164	CERCA	8.499.917,2416	676.166,8390	444,345	136°25'15"	117°54'00"	21,8921	1,2277
165	COTA	8.499.913,4624	676.173,9473	444,508	131°29'48"	112°58'33"	29,6395	1,3906

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Nome	Descrição	Norte	Este	Cota
AUX2	EST	8.499.933,1008	676.151,7476	443,117

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
166	BORDO	8.499.923,2364	676.148,1963	443,175	199°47'57"	181°16'42"	10,4841	0,0576
167	COTA	8.499.924,4626	676.144,4330	442,654	220°15'25"	201°44'10"	11,3190	-0,4635
168	CERCA	8.499.925,8857	676.138,3127	442,450	241°45'45"	223°14'30"	15,2497	-0,6673
169	PE	8.499.926,7187	676.135,5500	442,586	248°29'41"	229°58'26"	17,4095	-0,5311
170	CRISTA	8.499.928,5768	676.134,1441	444,342	255°35'14"	237°03'59"	18,1754	1,2255
171	COTA	8.499.928,7740	676.126,5303	444,842	260°15'50"	241°44'35"	25,5858	1,7245
172	EIXO	8.499.903,0524	676.144,8702	443,472	192°53'30"	174°22'15"	30,8254	0,3553
173	BORDO	8.499.901,8332	676.148,2796	443,406	186°19'44"	167°48'29"	31,4593	0,2894
174	COTA	8.499.900,0060	676.152,7876	442,915	178°12'00"	159°40'45"	33,1112	-0,2017
175	PE	8.499.897,6477	676.157,9172	442,684	170°07'41"	151°36'26"	35,9859	-0,4333
176	CRISTA	8.499.897,5132	676.159,5499	443,893	167°38'02"	149°06'47"	36,4329	0,7765
177	CERCA	8.499.897,5335	676.160,2818	443,935	166°30'26"	147°59'11"	36,5769	0,8177
178	COTA	8.499.894,2387	676.166,5744	444,035	159°07'01"	140°35'46"	41,5944	0,9178
179	COTA	8.499.904,1425	676.142,0076	443,307	198°35'24"	180°04'09"	30,5524	0,1896
180	COTA	8.499.904,8364	676.137,2332	442,757	207°10'53"	188°39'38"	31,7733	-0,3595
181	CERCA	8.499.906,3403	676.131,9324	442,513	216°31'07"	197°59'52"	33,2981	-0,6043
182	PE	8.499.907,1747	676.129,2719	442,576	220°55'21"	202°24'06"	34,3121	-0,5410
183	CRISTA	8.499.907,0706	676.127,6604	443,795	222°46'47"	204°15'32"	35,4650	0,6779
184	COTA	8.499.909,5951	676.120,0929	444,288	233°24'13"	214°52'58"	39,4276	1,1708

Nome	Descrição	Norte	Este	Cota
L4	EST	8.499.850,8190	676.123,7127	443,800

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
AUX3	AUX3	8.499.773,4227	676.099,2909	444,466	197°30'46"	178°48'42"	81,1580	0,6669
186	EIXO	8.499.884,1482	676.138,6145	443,709	24°05'23"	5°23'20"	36,5089	-0,0908
187	BORDO	8.499.882,9171	676.141,8293	443,610	29°26'27"	10°44'24"	36,8578	-0,1891
188	COTA	8.499.882,6601	676.143,2969	443,468	31°35'38"	12°53'35"	37,3818	-0,3319
189	COTA	8.499.882,0143	676.145,6921	442,987	35°10'03"	16°28'00"	38,1607	-0,8127
190	PE	8.499.880,4063	676.152,2694	442,751	43°59'04"	25°17'01"	41,1205	-1,0481
191	CRISTA	8.499.879,6334	676.153,2520	443,447	45°42'42"	27°00'39"	41,2655	-0,3524
192	CERCA	8.499.879,2274	676.153,9452	443,445	46°46'54"	28°04'51"	41,4854	-0,3548
193	COTA	8.499.877,4073	676.159,7935	443,371	53°36'47"	34°54'44"	44,8191	-0,4288
194	BORDO	8.499.885,0063	676.135,7179	443,579	19°20'57"	0°38'54"	36,2339	-0,2210
195	COTA	8.499.885,5494	676.131,2879	442,686	12°18'15"	353°36'12"	35,5469	-1,1131
196	CERCA	8.499.886,8945	676.125,6213	442,452	3°01'42"	344°19'39"	36,1259	-1,3477
197	PE	8.499.885,6000	676.122,5333	442,600	358°03'28"	339°21'25"	34,8010	-1,1996
198	CRISTA	8.499.886,9132	676.122,2974	443,229	357°45'16"	339°03'13"	36,1219	-0,5707
199	COTA	8.499.891,2975	676.113,4858	443,451	345°49'15"	327°07'12"	41,7504	-0,3488
200	EIXO	8.499.865,1326	676.132,3033	443,902	30°58'15"	12°16'12"	16,6936	0,1029
201	BORDO	8.499.863,8192	676.135,6027	443,818	42°26'46"	23°44'43"	17,6175	0,0182
202	CRISTA	8.499.863,3191	676.136,6081	443,746	45°53'30"	27°11'27"	17,9595	-0,0537
203	PE	8.499.863,4567	676.138,7235	443,104	49°54'20"	31°12'17"	19,6223	-0,6955
204	COTA	8.499.861,1695	676.145,8394	442,809	64°55'50"	46°13'47"	24,4279	-0,9905
205	CERCA	8.499.860,9191	676.147,6542	443,215	67°07'36"	48°25'33"	25,9848	-0,5843

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Nome	Descrição	Norte	Este	Cota
L4	EST	8.499.850,8190	676.123,7127	443,800

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
206	COTA	8.499.857,4182	676.153,7486	443,220	77°36'30"	58°54'27"	30,7524	-0,5795
207	BORDO	8.499.866,1395	676.129,2652	443,756	19°55'18"	1°13'15"	16,2956	-0,0439
208	COTA	8.499.868,7386	676.124,7476	442,686	3°18'19"	344°36'16"	17,9495	-1,1138
209	CERCA	8.499.870,7899	676.120,0928	442,439	349°43'34"	331°01'31"	20,2963	-1,3609
210	PE	8.499.872,5658	676.118,2349	442,490	345°51'42"	327°09'39"	22,4261	-1,3100
211	CRISTA	8.499.874,0900	676.117,6097	443,166	345°18'16"	326°36'13"	24,0579	-0,6333
212	COTA	8.499.875,6441	676.108,7193	443,403	328°52'10"	310°10'07"	29,0015	-0,3964
213	EIXO	8.499.846,1241	676.126,0522	444,053	153°30'47"	134°48'44"	5,2455	0,2533
214	BORDO	8.499.845,1051	676.128,8985	443,932	137°46'27"	119°04'24"	7,7163	0,1328
215	CRISTA	8.499.844,6791	676.130,0978	443,713	133°52'41"	115°10'38"	8,8582	-0,0862
216	PE	8.499.842,9819	676.132,9224	442,939	130°23'47"	111°41'44"	12,0930	-0,8607
217	CERCA	8.499.839,9878	676.140,4727	442,625	122°52'21"	104°10'18"	19,9553	-1,1745
218	COTA	8.499.837,3553	676.149,1034	443,285	117°56'07"	99°14'04"	28,7395	-0,5148
219	BORDO	8.499.846,9222	676.123,0812	443,877	189°12'15"	170°30'12"	3,9477	0,0771
220	CRISTA	8.499.847,1905	676.122,1350	443,688	203°29'57"	184°47'54"	3,9567	-0,1111
221	PE	8.499.847,1752	676.118,4580	442,706	235°15'39"	216°33'36"	6,3945	-1,0939
222	CERCA	8.499.849,4893	676.112,8175	442,338	263°02'30"	244°20'27"	10,9761	-1,4612
223	PE	8.499.849,4837	676.110,4218	442,250	264°15'45"	245°33'42"	13,3579	-1,5491
224	CRISTA	8.499.849,7526	676.109,3675	442,714	265°44'54"	247°02'51"	14,3848	-1,0850
225	COTA	8.499.851,8620	676.100,4721	442,914	272°34'10"	253°52'07"	23,2640	-0,8854
226	KM817+660	8.499.872,6149	676.113,0053	443,354	333°50'13"	315°08'10"	24,2839	-0,4452
227	KM817+680	8.499.854,6694	676.121,8308	442,895	333°57'10"	315°15'07"	4,2856	-0,9043
228	KM817+700	8.499.836,7198	676.130,6685	442,875	153°44'26"	135°02'23"	15,7216	-0,9246
229	KM817+720	8.499.818,7818	676.139,5024	442,493	153°45'48"	135°03'45"	35,7169	-1,3062
230	EIXO	8.499.827,1349	676.119,7587	444,171	189°28'40"	170°46'37"	24,0119	0,3714
231	BORDO	8.499.826,1005	676.122,6623	444,066	182°25'59"	163°43'56"	24,7409	0,2660
232	CRISTA	8.499.825,7203	676.123,6368	443,942	180°10'23"	161°28'20"	25,0988	0,1422
233	PE	8.499.824,4864	676.126,4709	442,790	174°01'13"	155°19'10"	26,4767	-1,0097
234	CERCA	8.499.821,8138	676.134,0652	442,490	160°21'27"	141°39'24"	30,7974	-1,3092
235	COTA	8.499.817,1253	676.145,4103	442,440	147°13'11"	128°31'08"	40,0756	-1,3600
236	BORDO	8.499.828,0230	676.116,7353	443,957	197°01'05"	178°19'02"	23,8399	0,1577
237	CRISTA	8.499.828,3135	676.116,0168	443,832	198°52'42"	180°10'39"	23,7850	0,0329
238	PE	8.499.829,1479	676.112,8239	442,685	206°40'39"	187°58'36"	24,2529	-1,1148
239	CERCA	8.499.831,7872	676.105,9344	442,166	223°02'58"	204°20'55"	26,0438	-1,6336
240	COTA	8.499.832,4575	676.098,1087	442,703	234°21'15"	215°39'12"	31,5073	-1,0963
241	EIXO	8.499.808,1218	676.113,5059	444,260	193°26'39"	174°44'36"	43,9002	0,4600
242	BORDO	8.499.807,0187	676.116,2820	444,195	189°37'42"	170°55'39"	44,4262	0,3957
243	CRISTA	8.499.806,5060	676.118,1475	443,893	187°09'29"	168°27'26"	44,6612	0,0933
244	PE	8.499.805,1446	676.120,6633	442,635	183°49'10"	165°07'07"	45,7761	-1,1644
245	CERCA	8.499.802,5874	676.127,8856	442,403	175°03'18"	156°21'15"	48,4118	-1,3967
246	COTA	8.499.799,2483	676.136,5868	442,867	165°58'59"	147°16'56"	53,1534	-0,9324
247	BORDO	8.499.809,1998	676.110,6293	444,077	197°27'03"	178°45'00"	43,6272	0,2778
248	CRISTA	8.499.809,6756	676.109,8274	443,950	198°38'55"	179°56'52"	43,4233	0,1505
249	PE	8.499.810,9699	676.107,6776	442,905	201°55'10"	183°13'07"	42,9543	-0,8949
250	CERCA	8.499.812,2579	676.099,3695	442,486	212°15'49"	193°33'46"	45,6021	-1,3133

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Nome	Descrição	Norte	Este	Cota
L4	EST	8.499.850,8190	676.123,7127	443,800

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
251	COTA	8.499.812,9707	676.091,2582	442,623	220°36'45"	201°54'42"	49,8577	-1,1770

Nome	Descrição	Norte	Este	Cota
AUX3	EST	8.499.773,4227	676.099,2909	444,466

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
252	EIXO	8.499.789,1499	676.107,2189	444,408	26°45'09"	9°14'23"	17,6125	-0,0583
253	BORDO	8.499.788,0189	676.110,0270	444,316	36°20'09"	18°49'23"	18,1194	-0,1502
254	CRISTA	8.499.787,8024	676.110,6361	444,185	38°16'21"	20°45'35"	18,3164	-0,2811
255	PE	8.499.788,0438	676.113,9019	442,986	44°58'49"	27°28'03"	20,6702	-1,4804
256	CERCA	8.499.785,2774	676.122,2036	442,621	62°38'37"	45°07'51"	25,7978	-1,8451
257	COTA	8.499.780,7489	676.130,7236	442,944	76°52'48"	59°22'02"	32,2752	-1,5224
258	BORDO	8.499.790,2571	676.104,5656	444,242	17°23'50"	359°53'04"	17,6415	-0,2241
259	CRISTA	8.499.790,7669	676.103,2596	444,060	12°53'19"	355°22'33"	17,7925	-0,4069
260	PE	8.499.791,2753	676.101,2280	443,140	6°11'34"	348°40'48"	17,9575	-1,3265
261	CERCA	8.499.793,1630	676.094,9817	442,845	347°41'09"	330°10'23"	20,2053	-1,6214
262	COTA	8.499.795,2257	676.088,4762	443,139	333°37'04"	316°06'18"	24,3379	-1,3270
263	EIXO	8.499.770,1405	676.100,9853	444,613	152°41'44"	135°10'58"	3,6937	0,1463
264	BORDO	8.499.769,0875	676.103,9384	444,502	133°00'32"	115°29'46"	6,3555	0,0354
265	CRISTA	8.499.768,8720	676.104,6983	444,310	130°04'59"	112°34'13"	7,0674	-0,1565
266	PE	8.499.767,9401	676.106,4021	443,627	127°37'54"	110°07'08"	8,9792	-0,8397
267	CERCA	8.499.764,0263	676.115,1845	443,407	120°35'31"	103°04'45"	18,4634	-1,0595
268	COTA	8.499.760,9355	676.121,8766	443,354	118°56'15"	101°25'29"	25,8078	-1,1125
269	BORDO	8.499.771,0141	676.098,1115	444,447	206°05'25"	188°34'39"	2,6818	-0,0199
270	CRISTA	8.499.771,4067	676.096,8852	444,286	230°02'14"	212°31'28"	3,1387	-0,1805
271	PE	8.499.771,8787	676.094,6810	443,487	251°29'00"	233°58'14"	4,8616	-0,9799
272	CERCA	8.499.773,8902	676.087,9315	443,318	272°21'25"	254°50'39"	11,3690	-1,1489
273	COTA	8.499.777,1343	676.080,6301	443,516	281°14'58"	263°44'12"	19,0264	-0,9507
274	EIXO	8.499.751,1821	676.094,5510	444,833	192°01'52"	174°31'06"	22,7400	0,3662
275	BORDO	8.499.749,9614	676.097,0300	444,706	185°30'17"	167°59'31"	23,5700	0,2394
276	CRISTA	8.499.749,7468	676.098,1157	444,568	182°50'31"	165°19'45"	23,7050	0,1011
277	PE	8.499.749,0862	676.100,5290	443,856	177°05'16"	159°34'30"	24,3679	-0,6105
278	CERCA	8.499.746,7363	676.109,6283	443,806	158°49'32"	141°18'46"	28,6185	-0,6607
279	COTA	8.499.743,4944	676.118,1449	443,804	147°47'25"	130°16'39"	35,3720	-0,6625
280	BORDO	8.499.752,3424	676.091,7959	444,676	199°34'22"	182°03'36"	22,3731	0,2092
281	CRISTA	8.499.752,7680	676.090,6792	444,512	202°38'00"	185°07'14"	22,3781	0,0453
282	PE	8.499.755,1063	676.086,9049	443,815	214°04'04"	196°33'18"	22,1111	-0,6517
283	CERCA	8.499.756,5029	676.081,8049	443,815	225°56'35"	208°25'49"	24,3319	-0,6517
284	COTA	8.499.756,7323	676.073,4464	443,931	237°08'45"	219°37'59"	30,7653	-0,5351
285	EIXO	8.499.732,1815	676.088,2701	444,946	194°57'42"	177°26'56"	42,6883	0,4793
286	BORDO	8.499.731,3062	676.091,3675	444,762	190°39'17"	173°08'31"	42,8553	0,2959
287	CRISTA	8.499.731,2371	676.091,9451	444,703	189°52'41"	172°21'55"	42,8203	0,2362
288	PE	8.499.730,9778	676.095,4380	443,802	185°11'13"	167°40'27"	42,6193	-0,6643
289	CERCA	8.499.727,7829	676.103,4408	443,651	174°48'17"	157°17'31"	45,8280	-0,8158
290	COTA	8.499.724,6630	676.113,4314	443,530	163°49'40"	146°18'54"	50,7686	-0,9365

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Nome	Descrição	Norte	Este	Cota
AUX3	EST	8.499.773,4227	676.099,2909	444,466

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
291	BORDO	8.499.732,9519	676.085,5145	444,847	198°47'56"	181°17'10"	42,7513	0,3807
292	COTA	8.499.733,7730	676.080,0510	444,342	205°53'06"	188°22'20"	44,0712	-0,1247
293	CERCA	8.499.734,1622	676.074,0876	444,378	212°41'55"	195°11'09"	46,6540	-0,0888
294	COTA	8.499.737,4060	676.065,9322	444,475	222°48'22"	205°17'36"	49,0918	0,0089

Nome	Descrição	Norte	Este	Cota
L5	EST	8.499.688,8353	676.071,3824	445,161

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
295	EIXO	8.499.713,2427	676.082,0224	445,041	23°33'15"	5°39'02"	26,6257	-0,1198
296	BORDO	8.499.712,1600	676.084,8543	444,850	30°00'36"	12°06'23"	26,9357	-0,3106
297	CRISTA	8.499.711,8469	676.085,4438	444,758	31°25'39"	13°31'26"	26,9677	-0,4033
298	PE	8.499.711,5883	676.087,5560	444,261	35°24'24"	17°30'11"	27,9156	-0,9005
299	CERCA	8.499.707,5898	676.096,5966	443,736	53°21'29"	35°27'16"	31,4243	-1,4248
300	COTA	8.499.706,4423	676.106,7865	444,118	63°33'30"	45°39'17"	39,5406	-1,0432
301	BORDO	8.499.713,9043	676.079,0684	444,962	17°02'43"	359°08'30"	26,2207	-0,1988
302	COTA	8.499.715,2363	676.073,7926	444,546	5°12'59"	347°18'46"	26,5107	-0,6155
303	CERCA	8.499.715,7507	676.067,6301	444,885	352°03'49"	334°09'36"	27,1756	-0,2757
304	COTA	8.499.718,7771	676.060,9103	444,896	340°43'22"	322°49'09"	31,7203	-0,2654
305	EIXO	8.499.694,2688	676.075,7790	445,115	38°58'44"	21°04'31"	6,9894	-0,0463
306	BORDO	8.499.693,1359	676.079,0820	444,941	60°48'54"	42°54'41"	8,8192	-0,2203
307	CRISTA	8.499.693,1570	676.079,7134	444,891	62°34'56"	44°40'43"	9,3852	-0,2702
308	PE	8.499.692,8240	676.082,7933	444,271	70°44'00"	52°49'47"	12,0880	-0,8903
309	CERCA	8.499.690,2861	676.090,9690	444,322	85°45'50"	67°51'37"	19,6403	-0,8392
310	COTA	8.499.687,4274	676.101,5029	443,838	92°40'35"	74°46'22"	30,1534	-1,3234
311	BORDO	8.499.694,9358	676.072,6875	445,066	12°04'31"	354°10'18"	6,2385	-0,0953
312	COTA	8.499.696,7544	676.067,4734	444,650	333°43'42"	315°49'29"	8,8312	-0,5106
313	PE	8.499.698,1117	676.064,4275	444,689	323°08'23"	305°14'10"	11,5940	-0,4717
314	CRISTA	8.499.698,1401	676.063,4440	445,153	319°31'51"	301°37'38"	12,2309	-0,0076
315	CERCA	8.499.698,7301	676.062,1210	445,066	316°53'37"	298°59'24"	13,5528	-0,0951
316	COTA	8.499.702,1875	676.054,3933	445,455	308°09'53"	290°15'40"	21,6081	0,2943
317	EIXO	8.499.675,2319	676.069,4025	445,193	188°16'52"	170°22'39"	13,7468	0,0315
318	BORDO	8.499.674,0017	676.072,6385	445,077	175°09'36"	157°15'23"	14,8867	-0,0838
319	COTA	8.499.672,3316	676.077,3027	444,537	160°15'57"	142°21'44"	17,5335	-0,6240
320	PE	8.499.671,0943	676.081,7061	444,496	149°48'16"	131°54'03"	20,5262	-0,6651
321	CRISTA	8.499.670,4154	676.082,9051	445,228	147°58'19"	130°04'06"	21,7271	0,0665
322	CERCA	8.499.669,7054	676.084,1622	445,023	146°15'18"	128°21'05"	23,0060	-0,1380
323	COTA	8.499.664,8911	676.091,4496	444,948	140°02'04"	122°07'51"	31,2413	-0,2135
324	BORDO	8.499.675,9495	676.066,4133	445,129	201°05'17"	183°11'04"	13,8108	-0,0323
325	COTA	8.499.676,3854	676.062,1466	444,819	216°34'09"	198°39'56"	15,5017	-0,3420
326	PE	8.499.676,6210	676.057,6367	444,871	228°22'33"	210°28'20"	18,3884	-0,2901
327	CRISTA	8.499.676,6029	676.056,1331	445,584	231°15'53"	213°21'40"	19,5493	0,4233
328	CERCA	8.499.676,9212	676.054,9893	445,751	233°59'28"	216°05'15"	20,2652	0,5894
329	COTA	8.499.679,3739	676.047,0623	445,783	248°44'32"	230°50'19"	26,0957	0,6216
330	EIXO	8.499.656,2644	676.063,1058	445,259	194°15'28"	176°21'15"	33,6061	0,0977



Meridiano	Datum	Hemisf.
-45°00'00"	SAD-69	Sul

Nome	Descrição	Norte	Este	Cota
L5	EST	8.499.688,8353	676.071,3824	445,161

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
331	BORDO	8.499.655,4405	676.066,2755	445,109	188°41'41"	170°47'28"	33,7831	-0,0517
332	COTA	8.499.653,7403	676.071,0136	444,727	180°36'08"	162°41'55"	35,0970	-0,4337
333	PE	8.499.651,7161	676.074,8593	444,655	174°38'56"	156°44'43"	37,2818	-0,5065
334	CRISTA	8.499.651,1407	676.076,7630	445,704	171°52'35"	153°58'22"	38,0767	0,5424
335	CERCA	8.499.650,8301	676.077,8200	445,755	170°23'10"	152°28'57"	38,5467	0,5936
336	COTA	8.499.647,2131	676.085,7681	445,898	160°56'01"	143°01'48"	44,0382	0,7373
337	BORDO	8.499.657,3295	676.060,3880	445,217	199°14'14"	181°20'01"	33,3691	0,0554
338	COTA	8.499.658,5872	676.055,8806	444,876	207°08'05"	189°13'52"	33,9891	-0,2849
339	PE	8.499.660,7612	676.052,5042	444,931	213°55'07"	196°00'54"	33,8311	-0,2302
340	CRISTA	8.499.661,4824	676.051,3906	445,751	216°09'45"	198°15'32"	33,8801	0,5898
341	CERCA	8.499.662,1961	676.049,8728	445,898	218°55'08"	201°00'55"	34,2390	0,7369
342	COTA	8.499.664,1113	676.040,5442	446,016	231°16'47"	213°22'34"	39,5256	0,8550
343	EIXO	8.499.637,3216	676.056,8500	445,392	195°45'15"	177°51'02"	53,5244	0,2305
344	BORDO	8.499.636,2244	676.059,6038	445,308	192°37'10"	174°42'57"	53,9133	0,1473
345	COTA	8.499.634,9589	676.063,1267	444,912	188°42'43"	170°48'30"	54,5053	-0,2488
346	PE	8.499.633,9916	676.069,8114	445,058	181°38'27"	163°44'14"	54,8663	-0,1035
347	CRISTA	8.499.633,2442	676.071,4423	446,131	179°56'18"	162°02'05"	55,5912	0,9697
348	CERCA	8.499.632,9244	676.071,9837	446,196	179°23'02"	161°28'49"	55,9142	1,0345
349	COTA	8.499.632,4359	676.087,3561	447,359	164°11'12"	146°16'59"	58,6179	2,1978
350	BORDO	8.499.638,0731	676.053,8449	445,357	199°03'33"	181°09'20"	53,7064	0,1955
351	COTA	8.499.639,0142	676.049,4866	445,119	203°43'30"	185°49'17"	54,4203	-0,0421
352	PE	8.499.639,8879	676.046,1744	445,089	207°14'55"	189°20'42"	55,0572	-0,0725
353	CRISTA	8.499.639,9872	676.043,8882	446,364	209°22'23"	191°28'10"	56,0541	1,2028
354	CERCA	8.499.640,7954	676.042,6783	446,265	210°51'31"	192°57'18"	55,9621	1,1038
355	COTA	8.499.642,7907	676.033,6379	446,379	219°20'34"	201°26'21"	59,5378	1,2183
356	EIXO	8.499.618,2936	676.050,5674	445,482	196°26'24"	178°32'11"	73,5486	0,3213
357	BORDO	8.499.617,1888	676.053,7697	445,399	193°48'40"	175°54'27"	73,7796	0,2380
358	COTA	8.499.616,9737	676.058,4068	444,818	190°14'07"	172°19'54"	73,0237	-0,3431
359	CERCA	8.499.613,0080	676.065,4843	444,463	184°26'52"	166°32'39"	76,0564	-0,6979
360	COTA	8.499.611,1363	676.074,0920	444,328	178°00'10"	160°05'57"	77,7463	-0,8329
361	BORDO	8.499.618,8206	676.047,6157	445,402	198°45'00"	180°50'47"	73,9386	0,2408
362	COTA	8.499.619,7088	676.043,6055	445,227	201°53'30"	183°59'17"	74,4985	0,0663
363	PE	8.499.620,4048	676.039,5539	445,531	204°56'39"	187°02'26"	75,4705	0,3700
364	CRISTA	8.499.621,0933	676.038,2001	446,560	206°05'50"	188°11'37"	75,4325	1,3985
365	CERCA	8.499.622,8196	676.036,5460	446,573	207°49'14"	189°55'01"	74,6435	1,4122
366	COTA	8.499.626,7252	676.026,8960	447,134	215°36'44"	197°42'31"	76,3984	1,9730
367	EIXO	8.499.598,5613	676.044,0646	445,454	196°50'11"	178°55'58"	94,3168	0,2931
368	BORDO	8.499.597,5797	676.046,9306	445,349	195°00'00"	177°05'47"	94,4748	0,1879
369	COTA	8.499.594,6493	676.052,3304	444,946	191°26'08"	173°31'55"	96,0937	-0,2148
370	CERCA	8.499.593,5452	676.059,0436	444,868	187°22'41"	169°28'28"	96,0857	-0,2931
371	COTA	8.499.590,3813	676.068,4571	444,453	181°42'07"	163°47'54"	98,4975	-0,7084
372	BORDO	8.499.599,4467	676.041,3438	445,350	198°34'29"	180°40'16"	94,3008	0,1893
373	COTA	8.499.600,3455	676.037,1853	445,063	201°07'45"	183°13'32"	94,8678	-0,0986
374	CERCA	8.499.601,7177	676.029,6080	444,489	205°37'07"	187°42'54"	96,6156	-0,6720
375	COTA	8.499.602,7497	676.023,3185	444,679	209°10'33"	191°16'20"	98,5945	-0,4822

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Nome	Descrição	Norte	Este	Cota
L5	EST	8.499.688,8353	676.071,3824	445,161

Nome	Descrição	Norte	Este	Altitude	Azim Plano	AH Plano	DH Plana	Desnível
376	EIXO	8.499.579,5916	676.037,7417	445,397	197°06'57"	179°12'44"	114,3061	0,2363
377	BORDO	8.499.578,4861	676.040,7425	445,329	195°31'05"	177°36'52"	114,5241	0,1675
378	COTA	8.499.576,5185	676.045,9690	444,996	192°44'58"	174°50'45"	115,1560	-0,1646
379	CERCA	8.499.575,4534	676.051,5461	444,864	189°55'25"	172°01'12"	115,1040	-0,2969
380	COTA	8.499.573,1590	676.057,0819	443,891	187°02'51"	169°08'38"	116,5569	-1,2701
381	BORDO	8.499.580,9168	676.035,1227	445,275	198°34'19"	180°40'06"	113,8471	0,1137
382	COTA	8.499.581,7437	676.030,6874	444,813	200°48'25"	182°54'12"	114,5631	-0,3479
383	CERCA	8.499.583,5343	676.024,1448	444,496	204°09'39"	186°15'26"	115,4110	-0,6648
384	COTA	8.499.583,5293	676.017,9866	444,462	206°53'15"	188°59'02"	118,0698	-0,6991
385	EIXO	8.499.560,7091	676.031,4886	445,338	197°17'41"	179°23'28"	134,1934	0,1770
386	BORDO	8.499.559,6611	676.034,6100	445,305	195°53'25"	177°59'12"	134,3064	0,1440
387	COTA	8.499.558,2322	676.038,7657	445,116	194°01'20"	176°07'07"	134,6143	-0,0448
388	CERCA	8.499.555,8877	676.044,0298	445,056	191°37'33"	173°43'20"	135,7322	-0,1052
389	COTA	8.499.554,1569	676.054,9660	443,602	186°56'59"	169°02'46"	135,6753	-1,5589
390	BORDO	8.499.561,7492	676.028,4644	445,228	198°39'37"	180°45'24"	134,1374	0,0670
391	COTA	8.499.562,6343	676.024,2837	444,747	200°27'57"	182°33'44"	134,7033	-0,4145
392	CERCA	8.499.564,1165	676.017,5059	444,455	203°21'49"	185°27'36"	135,8582	-0,7057
393	COTA	8.499.565,0159	676.013,0589	444,495	205°13'20"	187°19'07"	136,8681	-0,6659
394	EIXO	8.499.541,4416	676.025,0493	445,188	197°27'02"	179°32'49"	154,5046	0,0273
395	BORDO	8.499.540,3468	676.028,1482	445,144	196°14'01"	178°19'48"	154,6546	-0,0168
396	COTA	8.499.538,7053	676.032,4475	444,971	194°32'20"	176°38'07"	155,0966	-0,1897
397	CERCA	8.499.537,3341	676.037,2318	444,868	192°42'11"	174°47'58"	155,3026	-0,2929
398	COTA	8.499.533,2235	676.050,9511	443,394	187°28'48"	169°34'35"	156,9474	-1,7669
399	BORDO	8.499.542,7568	676.022,3856	445,096	198°32'32"	180°38'19"	154,0767	-0,0648
400	COTA	8.499.544,0218	676.017,6475	444,691	200°21'29"	182°27'16"	154,4616	-0,4700
401	CERCA	8.499.545,7501	676.011,2775	444,151	202°47'08"	184°52'55"	155,1966	-1,0098
402	COTA	8.499.546,6781	676.005,6816	443,890	204°48'18"	186°54'05"	156,6054	-1,2709