

Quadro de Coordenadas de Marcos e Pontos de Apoio

Sistema SIRGAS 2000 - UTM zona 22 S - Altimétria Ortométrica - hgeoHNOR_IMBITUBA

Ponto	Descrição	Norte	Este	Cota
MC124	Marco	6.959.504,541	659.499,238	782,260

Relatório de Alinhamento Horizontal e Vertical por Estaca



Sistema SIRGAS 2000 - UTM zona 22 S - Altimétria Ortométrica - hgeoHNOR_IMBITUBA

Estaca		Eixo	Norte	Este	Cota
0	0,000	Eixo-Principal	6.959.439,424	659.174,091	786,178
0	10,000	Eixo-Principal	6.959.447,385	659.180,142	786,466
1	0,000	Eixo-Principal	6.959.455,346	659.186,194	786,754
1	10,000	Eixo-Principal	6.959.463,307	659.192,246	787,041
2	0,000	Eixo-Principal	6.959.471,268	659.198,297	787,329
2	9,050	Eixo-Principal	6.959.478,474	659.203,774	787,589
2	10,000	Eixo-Principal	6.959.479,229	659.204,349	787,616
3	0,000	Eixo-Principal	6.959.487,190	659.210,400	787,835
3	6,270	Eixo-Principal	6.959.492,182	659.214,195	787,915
3	10,000	Eixo-Principal	6.959.495,130	659.216,480	787,941
3	14,220	Eixo-Principal	6.959.498,417	659.219,133	787,951
4	0,000	Eixo-Principal	6.959.502,819	659.222,872	787,932
4	10,000	Eixo-Principal	6.959.510,178	659.229,641	787,809
4	19,050	Eixo-Principal	6.959.516,540	659.236,078	787,599
5	0,000	Eixo-Principal	6.959.517,190	659.236,769	787,572
5	10,000	Eixo-Principal	6.959.523,837	659.244,239	787,288
6	0,000	Eixo-Principal	6.959.530,103	659.252,032	787,005
6	2,060	Eixo-Principal	6.959.531,345	659.253,676	786,946
6	7,390	Eixo-Principal	6.959.534,481	659.257,990	786,805
6	10,000	Eixo-Principal	6.959.535,984	659.260,118	786,744
7	0,000	Eixo-Principal	6.959.541,756	659.268,284	786,556
7	10,000	Eixo-Principal	6.959.547,527	659.276,451	786,441
8	0,000	Eixo-Principal	6.959.553,298	659.284,618	786,400
8	0,630	Eixo-Principal	6.959.553,664	659.285,136	786,399
8	10,000	Eixo-Principal	6.959.559,069	659.292,784	786,432
8	12,060	Eixo-Principal	6.959.560,259	659.294,467	786,447
9	0,000	Eixo-Principal	6.959.564,841	659.300,951	786,514
9	10,000	Eixo-Principal	6.959.570,612	659.309,117	786,598
10	0,000	Eixo-Principal	6.959.576,383	659.317,284	786,682
10	10,000	Eixo-Principal	6.959.582,155	659.325,450	786,766
11	0,000	Eixo-Principal	6.959.587,926	659.333,617	786,850
11	1,110	Eixo-Principal	6.959.588,568	659.334,525	786,859
11	9,310	Eixo-Principal	6.959.593,298	659.341,219	786,894
11	10,000	Eixo-Principal	6.959.593,697	659.341,783	786,894
12	0,000	Eixo-Principal	6.959.599,468	659.349,950	786,835
12	9,500	Eixo-Principal	6.959.604,951	659.357,708	786,685
12	10,000	Eixo-Principal	6.959.605,239	659.358,117	786,674
13	0,000	Eixo-Principal	6.959.610,694	659.366,496	786,411
13	10,000	Eixo-Principal	6.959.615,557	659.375,231	786,045
13	11,110	Eixo-Principal	6.959.616,060	659.376,223	785,998
14	0,000	Eixo-Principal	6.959.619,804	659.384,282	785,617
14	10,000	Eixo-Principal	6.959.623,416	659.393,605	785,189
15	0,000	Eixo-Principal	6.959.626,374	659.403,156	784,761
15	10,000	Eixo-Principal	6.959.628,665	659.412,888	784,332

Relatório de Alinhamento Horizontal e Vertical por Estaca



Sistema SIRGAS 2000 - UTM zona 22 S - Altimétria Ortométrica - hgeoHNOR_IMBITUBA

Estaca		Eixo	Norte	Este	Cota
15	11,260	Eixo-Principal	6.959.628,905	659.414,119	784,278
16	0,000	Eixo-Principal	6.959.630,277	659.422,755	783,919
16	2,640	Eixo-Principal	6.959.630,589	659.425,378	783,817
16	10,000	Eixo-Principal	6.959.631,390	659.432,692	783,546
17	0,000	Eixo-Principal	6.959.632,479	659.442,633	783,214
17	4,880	Eixo-Principal	6.959.633,011	659.447,486	783,067
17	10,000	Eixo-Principal	6.959.632,915	659.452,589	782,923
18	0,000	Eixo-Principal	6.959.629,091	659.461,716	782,672
18	10,000	Eixo-Principal	6.959.621,358	659.467,893	782,461
18	11,540	Eixo-Principal	6.959.619,933	659.468,472	782,432
19	0,000	Eixo-Principal	6.959.611,976	659.471,349	782,291
19	2,530	Eixo-Principal	6.959.609,598	659.472,210	782,254
19	10,000	Eixo-Principal	6.959.602,573	659.474,751	782,150
20	0,000	Eixo-Principal	6.959.593,169	659.478,152	782,011
20	10,000	Eixo-Principal	6.959.583,765	659.481,553	781,871
21	0,000	Eixo-Principal	6.959.574,361	659.484,955	781,732
21	10,000	Eixo-Principal	6.959.564,957	659.488,356	781,592
22	0,000	Eixo-Principal	6.959.555,554	659.491,757	781,453
22	10,000	Eixo-Principal	6.959.546,150	659.495,159	781,313
23	0,000	Eixo-Principal	6.959.536,746	659.498,560	781,173
23	8,030	Eixo-Principal	6.959.529,191	659.501,293	781,061
23	10,000	Eixo-Principal	6.959.527,333	659.501,935	781,034
24	0,000	Eixo-Principal	6.959.517,641	659.504,362	780,894
24	10,000	Eixo-Principal	6.959.507,700	659.505,355	780,755
24	18,390	Eixo-Principal	6.959.499,317	659.505,063	780,638
25	0,000	Eixo-Principal	6.959.497,717	659.504,910	780,615
25	10,000	Eixo-Principal	6.959.487,763	659.503,951	780,476
26	0,000	Eixo-Principal	6.959.477,809	659.502,993	780,336
26	10,000	Eixo-Principal	6.959.467,855	659.502,035	780,197
27	0,000	Eixo-Principal	6.959.457,901	659.501,077	780,057
27	10,000	Eixo-Principal	6.959.447,947	659.500,119	779,918
28	0,000	Eixo-Principal	6.959.437,993	659.499,161	779,778
28	10,000	Eixo-Principal	6.959.428,039	659.498,203	779,639
28	15,750	Eixo-Principal	6.959.422,313	659.497,652	779,559
29	0,000	Eixo-Principal	6.959.418,077	659.497,347	779,499
29	3,860	Eixo-Principal	6.959.414,221	659.497,247	779,445
29	10,000	Eixo-Principal	6.959.408,083	659.497,436	779,336
29	14,730	Eixo-Principal	6.959.403,378	659.497,872	779,220
30	0,000	Eixo-Principal	6.959.398,141	659.498,499	779,058
30	3,860	Eixo-Principal	6.959.394,310	659.498,958	778,917
30	10,000	Eixo-Principal	6.959.388,212	659.499,688	778,679
30	13,440	Eixo-Principal	6.959.384,792	659.500,097	778,545
31	0,000	Eixo-Principal	6.959.378,330	659.501,186	778,290
31	10,000	Eixo-Principal	6.959.368,749	659.504,021	777,902
32	0,000	Eixo-Principal	6.959.359,682	659.508,217	777,513
32	1,870	Eixo-Principal	6.959.358,063	659.509,144	777,440

