TERMINAL DA ILHA GUAÍBA (ESTADO DO RIO DE JANEIRO) - 2022

Latitude 23º 00'.0 S   Longitude 044º 01'.9 W   Fuso +03.0 horas
MBR   40 Componentes   Nível Médio 0.71 m   Carta 1621

Janeiro

Dia	HORA ALT (m)	Dia	HORA ALT (m)
01 SAB	0141 1.2 / 0854 0.3 / 1334 1.1 / 2056 0.0	17 SEG	0249 1.3 / 0926 0.4 / 1423 1.2 / 2136 0.1 Z
02 DOM	0230 1.3 / 0945 0.3 / 1411 1.1 / 2149 0.0 &	18 TER	0317 1.3 / 1002 0.4 / 1458 1.2 / 2215 0.1
03 SEG	0313 1.3 / 1036 0.3 / 1454 1.1 / 2239 0.0	19 QUA	0353 1.3 / 1038 0.4 / 1532 1.3 / 2256 0.1
04 TER	0354 1.3 / 1123 0.4 / 1536 1.2 / 2332 0.0	20 QUI	0421 1.3 / 1108 0.5 / 1604 1.3 / 2339 0.2
05 QUA	0428 1.2 / 1211 0.5 / 1613 1.2	21 SEX	0456 1.2 / 1139 0.5 / 1643 1.3
06 QUI	0021 0.1 / 0506 1.2 / 0949 0.8 / 1302 0.6 / 1700 1.2	22 SAB	0021 0.2 / 0526 1.1 / 1213 0.5 / 1717 1.2
07 SEX	0109 0.2 / 0549 1.1 / 0921 0.7 / 1121 0.8 / 1358 0.6 / 1751 1.1	23 DOM	0104 0.3 / 0602 1.0 / 1256 0.6 / 1800 1.1
08 SAB	0200 0.3 / 0624 1.0 / 1002 0.6 / 1236 0.7 / 1454 0.7 / 1841 1.1	24 SEG	0200 0.4 / 0643 0.9 / 1053 0.6 / 1215 0.6 / 1417 0.6 / 1854 1.1
09 DOM	0256 0.4 / 0708 1.0 / 1051 0.6 / 1323 0.7 / 1553 0.6 / 1939 1.0 C	25 TER	0311 0.5 / 0728 0.9 / 1102 0.7 / 1258 0.7 / 1547 0.6 / 2000 1.0 V
10 SEG	0054 0.6 / 0353 0.5 / 0800 0.9 / 1141 0.6 / 1400 0.7 / 1649 0.6 / 2045 1.0	26 QUA	0441 0.5 / 0836 0.8 / 1115 0.7 / 1319 0.7 / 1700 0.5 / 2124 0.9
11 TER	0453 0.5 / 0900 0.9 / 1253 0.7 / 1406 0.7 / 1738 0.5 / 2158 0.9	27 QUI	0004 0.9 / 0123 0.9 / 0558 0.5 / 1009 0.8 / 1147 0.8 / 1341 0.8 / 1804 0.3
12 QUA	0551 0.5 / 1004 0.9 / 1819 0.4 / 2317 1.0	28 SEX	0202 1.0 / 0702 0.4 / 1336 0.8 / 1900 0.2
13 QUI	0643 0.5 / 1115 0.9 / 1900 0.3	29 SAB	0232 1.1 / 0758 0.4 / 1317 0.9 / 1954 0.1
14 SEX	0034 1.0 / 0726 0.5 / 1219 1.0 / 1939 0.2	30 DOM	0239 1.2 / 0849 0.3 / 1343 1.0 / 2045 0.0
15 SAB	0130 1.1 / 0808 0.5 / 1308 1.1 / 2015 0.2	31 SEG	0251 1.3 / 0932 0.3 / 1415 1.1 / 2134 -0.1
16 DOM	0211 1.2 / 0851 0.4 / 1351 1.1 / 2054 0.1		

Fevereiro

Dia	HORA ALT (m)	Dia	HORA ALT (m)
01 TER	0311 1.3 / 1013 0.3 / 1454 1.2 / 2219 -0.1 &	17 QUI	0330 1.4 / 1009 0.3 / 1515 1.4 / 2232 0.0
02 QUA	0341 1.3 / 1058 0.4 / 1528 1.3 / 2306 0.0	18 SEX	0400 1.3 / 1039 0.4 / 1551 1.4 / 2311 0.1
03 QUI	0409 1.3 / 1139 0.4 / 1606 1.3 / 2354 0.1	19 SAB	0430 1.3 / 1108 0.4 / 1623 1.4 / 2354 0.2
04 SEX	0447 1.2 / 1213 0.5 / 1649 1.3	20 DOM	0500 1.2 / 1134 0.4 / 1700 1.3
05 SAB	0038 0.2 / 0515 1.2 / 0928 0.5 / 1251 0.6 / 1726 1.3	21 SEG	0043 0.3 / 0534 1.1 / 1024 0.5 / 1743 1.2
06 DOM	0119 0.4 / 0554 1.1 / 1000 0.5 / 1809 1.2 / 2253 0.5	22 TER	0149 0.4 / 0606 1.0 / 1017 0.5 / 1351 0.6 / 1828 1.1 / 2243 0.6
07 SEG	0039 0.5 / 0206 0.5 / 0630 1.0 / 1036 0.4 / 1449 0.6 / 1900 1.1 / 2311 0.6	23 QUA	0011 0.7 / 0304 0.6 / 0651 0.9 / 1034 0.6 / 1258 0.6 / 1524 0.5 / 1930 1.0 / 2247 0.7 V
08 TER	0126 0.6 / 0306 0.6 / 0708 1.0 / 1111 0.5 / 1402 0.6 / 1558 0.6 / 1958 1.0 / 2345 0.7	24 QUI	0104 0.8 / 0438 0.6 / 0745 0.8 / 1054 0.6 / 1319 0.7 / 1647 0.5 / 2100 0.9 / 2243 0.8
09 QUA	0158 0.7 / 0417 0.6 / 0758 0.9 / 1158 0.6 / 1408 0.6 / 1658 0.5 / 2106 0.9	25 SEX	0145 1.0 / 0556 0.6 / 0906 0.7 / 1100 0.7 / 1341 0.8 / 1753 0.3
10 QUI	0006 0.8 / 0202 0.8 / 0523 0.6 / 0858 0.9 / 1349 0.7 / 1751 0.4 / 2317 0.9	26 SAB	0209 1.1 / 0658 0.5 / 1345 0.8 / 1849 0.2
11 SEX	0621 0.6 / 1026 0.8 / 1836 0.3	27 DOM	0234 1.2 / 0749 0.4 / 1328 1.0 / 1939 0.0
12 SAB	0123 1.0 / 0711 0.5 / 1215 0.9 / 1915 0.2	28 SEG	0236 1.2 / 0832 0.3 / 1339 1.1 / 2026 0.0
13 DOM	0143 1.1 / 0756 0.4 / 1308 1.0 / 1956 0.2		
14 SEG	0208 1.2 / 0834 0.4 / 1345 1.1 / 2036 0.1		
15 TER	0234 1.3 / 0906 0.3 / 1413 1.2 / 2113 0.1		
16 QUA	0302 1.3 / 0941 0.3 / 1447 1.3 / 2153 0.0 Z		

Março

Dia	HORA ALT (m)	Dia	HORA ALT (m)
01 TER	0234 1.3 / 0909 0.3 / 1406 1.2 / 2111 -0.1	17 QUI	0236 1.3 / 0906 0.3 / 1423 1.4 / 2124 0.0
02 QUA	0251 1.3 / 0951 0.3 / 1441 1.4 / 2156 -0.1 &	18 SEX	0300 1.4 / 0939 0.3 / 1456 1.5 / 2206 0.0 Z
03 QUI	0313 1.3 / 1023 0.3 / 1511 1.4 / 2239 0.0	19 SAB	0328 1.3 / 1011 0.3 / 1528 1.5 / 2249 0.1
04 SEX	0345 1.3 / 1053 0.4 / 1553 1.4 / 2315 0.1	20 DOM	0400 1.3 / 1049 0.3 / 1604 1.4 / 2338 0.2
05 SAB	0411 1.3 / 1034 0.4 / 1626 1.4 / 2345 0.3	21 SEG	0428 1.2 / 1130 0.4 / 1645 1.3
06 DOM	0449 1.2 / 0919 0.4 / 1704 1.3 / 2209 0.4	22 TER	0034 0.4 / 0500 1.1 / 1056 0.4 / 1228 0.4 / 1723 1.2 / 2154 0.6 / 2300 0.6
07 SEG	0517 1.2 / 0947 0.3 / 1747 1.2 / 2213 0.5	23 QUA	0147 0.5 / 0538 1.0 / 0949 0.5 / 1156 0.5 / 1351 0.5 / 1811 1.1 / 2149 0.7
08 TER	0554 1.1 / 1013 0.3 / 1828 1.1 / 2234 0.6	24 QUI	0006 0.8 / 0304 0.6 / 0613 0.9 / 1002 0.5 / 1226 0.6 / 1506 0.5 / 1909 0.9 / 2156 0.8
09 QUA	0121 0.7 / 0234 0.7 / 0628 1.0 / 1049 0.4 / 1358 0.6 / 1458 0.6 / 1915 1.0 / 2254 0.7	25 SEX	0054 1.0 / 0428 0.7 / 0704 0.8 / 1023 0.6 / 1258 0.7 / 1623 0.4 / 2145 0.8 V
10 QUI	0138 0.7 / 0353 0.7 / 0706 0.9 / 1115 0.5 / 1353 0.6 / 1609 0.5 / 2021 0.9 / 2300 0.8 C	26 SAB	0126 1.1 / 0547 0.6 / 0838 0.7 / 1043 0.7 / 1309 0.8 / 1728 0.3
11 SEX	0139 0.9 / 0458 0.7 / 0800 0.8 / 1151 0.6 / 1338 0.6 / 1708 0.4	27 DOM	0156 1.1 / 0643 0.5 / 1306 0.9 / 1826 0.2
12 SAB	0132 0.9 / 0558 0.6 / 0941 0.8 / 1800 0.4	28 SEG	0208 1.2 / 0726 0.4 / 1251 1.0 / 1917 0.1
13 DOM	0124 1.0 / 0649 0.5 / 1236 0.9 / 1845 0.3	29 TER	0154 1.2 / 0806 0.4 / 1311 1.2 / 2004 0.0
14 SEG	0132 1.1 / 0726 0.4 / 1302 1.0 / 1924 0.2	30 QUA	0156 1.2 / 0845 0.3 / 1345 1.3 / 2049 0.0
15 TER	0149 1.2 / 0802 0.4 / 1328 1.1 / 2004 0.1	31 QUI	0213 1.3 / 0915 0.3 / 1415 1.4 / 2126 0.0
16 QUA	0209 1.3 / 0836 0.3 / 1356 1.3 / 2045 0.0		

Abril

Dia	HORA ALT (m)	Dia	HORA ALT (m)
01 SEX	0243 1.3 / 0943 0.3 / 1454 1.5 / 2158 0.1 &	17 DOM	0258 1.3 / 0954 0.2 / 1506 1.5 / 2236 0.2
02 SAB	0309 1.3 / 0953 0.3 / 1528 1.5 / 2226 0.2	18 SEG	0324 1.2 / 1041 0.2 / 1549 1.4 / 2328 0.3
03 DOM	0343 1.3 / 0853 0.3 / 1604 1.4 / 2215 0.4	19 TER	0400 1.2 / 1134 0.3 / 1628 1.3
04 SEG	0409 1.2 / 0904 0.3 / 1643 1.3 / 2134 0.4	20 QUA	0032 0.5 / 0434 1.1 / 1236 0.3 / 1711 1.2 / 2100 0.8 / 2243 0.8
05 TER	0445 1.2 / 0924 0.3 / 1719 1.2 / 2149 0.5	21 QUI	0145 0.6 / 0508 1.0 / 0919 0.5 / 1100 0.5 / 1345 0.3 / 1804 1.0 / 2104 0.8 / 2345 0.9
06 QUA	0513 1.1 / 0954 0.3 / 1800 1.1 / 2202 0.6	22 SEX	0258 0.7 / 0554 0.9 / 0947 0.5 / 1153 0.5 / 1454 0.3 / 1904 0.9 / 2117 0.8
07 QUI	0058 0.7 / 0156 0.7 / 0553 1.0 / 1017 0.4 / 1849 1.0 / 2211 0.7	23 SAB	0028 1.0 / 0409 0.7 / 0653 0.8 / 1009 0.6 / 1217 0.7 / 1600 0.3 V
08 SEX	0056 0.8 / 0313 0.7 / 0628 0.9 / 1047 0.5 / 1304 0.6 / 1519 0.5 / 1945 0.9 / 2213 0.8	24 DOM	0104 1.1 / 0517 0.6 / 0819 0.8 / 1051 0.7 / 1234 0.7 / 1702 0.3
09 SAB	0056 0.9 / 0417 0.7 / 0717 0.8 / 1104 0.6 / 1256 0.6 / 1619 0.5 C	25 SEG	0136 1.1 / 0611 0.5 / 1126 0.9 / 1802 0.2
10 DOM	0054 1.0 / 0515 0.6 / 0854 0.8 / 1102 0.7 / 1223 0.7 / 1711 0.4	26 TER	0134 1.2 / 0658 0.5 / 1200 1.0 / 1854 0.1
11 SEG	0054 1.0 / 0604 0.5 / 1213 0.9 / 1802 0.3	27 QUA	0058 1.1 / 0738 0.4 / 1236 1.2 / 1939 0.1
12 TER	0100 1.1 / 0647 0.6 / 1232 1.0 / 1849 0.2	28 QUI	0109 1.2 / 0808 0.3 / 1311 1.3 / 2017 0.1
13 QUA	0115 1.2 / 0721 0.4 / 1258 1.2 / 1934 0.1	29 SEX	0138 1.2 / 0839 0.3 / 1353 1.4 / 2051 0.2
14 QUI	0138 1.3 / 0758 0.3 / 1324 1.3 / 2015 0.1	30 SAB	0206 1.2 / 0900 0.3 / 1428 1.4 / 2119 0.2 &
15 SEX	0202 1.3 / 0836 0.2 / 1358 1.4 / 2100 0.0		
16 SAB	0226 1.3 / 0911 0.2 / 1432 1.5 / 2147 0.1 Z		

TERMINAL DA ILHA GUAÍBA (ESTADO DO RIO DE JANEIRO) - 2022

Latitude 23° 00'.0 S Longitude 044° 01'.9 W Fuso +03.0 horas
MBR 40 Componentes Nível Médio 0.71 m Carta 1621

Maio

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 DOM	0239 / 0915 / 1506 / 2136	1.3 / 0.3 / 1.4 / 0.3	17 TER	0258 / 1036 / 1538 / 2323	1.2 / 0.1 / 1.4 / 0.4
02 SEG	0306 / 0843 / 1547 / 2128	1.3 / 0.2 / 1.4 / 0.4	18 QUA	0336 / 1130 / 1621	1.1 / 0.1 / 1.3
03 TER	0341 / 0854 / 1621 / 2121	1.2 / 0.2 / 1.3 / 0.5	19 QUI	0024 / 0409 / 1230 / 1708 / 2023 / 2202	0.5 / 1.1 / 0.2 / 1.2 / 0.9 / 0.9
04 QUA	0409 / 0913 / 1700 / 2128	1.2 / 0.3 / 1.2 / 0.6	20 SEX	0132 / 0456 / 0911 / 1000 / 1332 / 1800 / 2049 / 2309	0.6 / 1.0 / 0.5 / 0.5 / 0.2 / 1.0 / 0.8 / 1.0
05 QUI	0449 / 0938 / 1741 / 2145 / 2358	1.1 / 0.3 / 1.1 / 0.7 / 0.7	21 SAB	0241 / 0547 / 0945 / 1100 / 1436 / 1858 / 2108	0.7 / 0.9 / 0.6 / 0.6 / 0.3 / 0.9 / 0.8
06 SEX	0128 / 0521 / 1002 / 1209 / 1332 / 1819 / 2200	0.7 / 1.0 / 0.4 / 0.4 / 0.4 / 1.0 / 0.7	22 DOM V	0004 / 0347 / 0647 / 1141 / 1538 / 2008 / 2147	1.0 / 0.7 / 0.9 / 0.6 / 0.3 / 0.9 / 0.8
07 SAB	0000 / 0238 / 0600 / 1024 / 1204 / 1438 / 1908 / 2204	0.8 / 0.7 / 0.9 / 0.5 / 0.5 / 0.4 / 0.9 / 0.8	23 SEG	0054 / 0449 / 0806 / 1638	1.0 / 0.6 / 0.9 / 0.3
08 DOM C	0004 / 0336 / 0654 / 1153 / 1532 / 2154	0.8 / 0.7 / 0.9 / 0.6 / 0.4 / 0.9	24 TER	0123 / 0541 / 0953 / 1734 / 2321	1.0 / 0.6 / 0.7 / 0.3 / 0.9
09 SEG	0008 / 0423 / 0806 / 1623	0.9 / 0.6 / 0.8 / 0.4	25 QUA	0623 / 1102 / 1824 / 2347	0.5 / 1.0 / 0.3 / 1.0
10 TER	0011 / 0511 / 1047 / 1715	1.0 / 0.5 / 0.9 / 0.3	26 QUI	0702 / 1156 / 1909	0.4 / 1.1 / 0.3
11 QUA	0021 / 0558 / 1141 / 1809	1.0 / 0.5 / 1.0 / 0.3	27 SEX	0019 / 0739 / 1243 / 1949	1.1 / 0.3 / 1.2 / 0.3
12 QUI	0038 / 0641 / 1215 / 1902	1.1 / 0.4 / 1.1 / 0.2	28 SAB	0058 / 0808 / 1324 / 2023	1.1 / 0.3 / 1.3 / 0.3
13 SEX	0100 / 0724 / 1254 / 1954	1.1 / 0.3 / 1.3 / 0.1	29 DOM	0134 / 0836 / 1408 / 2051	1.2 / 0.2 / 1.3 / 0.4
14 SAB	0124 / 0808 / 1330 / 2045	1.2 / 0.2 / 1.4 / 0.1	30 SEG &	0206 / 0856 / 1453 / 2124	1.2 / 0.2 / 1.3 / 0.4
15 DOM	0154 / 0854 / 1409 / 2136	1.2 / 0.1 / 1.4 / 0.2	31 TER	0243 / 0926 / 1530 / 2151	1.2 / 0.2 / 1.3 / 0.5
16 SEG Z	0223 / 0945 / 1454 / 2226	1.2 / 0.1 / 1.4 / 0.3			

Junho

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 QUA	0313 / 0938 / 1606 / 2239	1.2 / 0.2 / 1.3 / 0.6	17 SEX	0009 / 0402 / 1215 / 1704 / 2019 / 2115	0.5 / 1.1 / 0.1 / 1.2 / 0.9 / 0.9
02 QUI	0353 / 1032 / 1647 / 2347	1.2 / 0.3 / 1.2 / 0.6	18 SAB	0108 / 0453 / 1311 / 1753 / 2053 / 2249	0.6 / 1.1 / 0.1 / 1.1 / 0.8 / 0.9
03 SEX	0424 / 1202 / 1721	1.1 / 0.3 / 1.1	19 DOM	0206 / 0541 / 1408 / 1838 / 2126 / 2354	0.6 / 1.0 / 0.2 / 1.0 / 0.8 / 0.9
04 SAB	0053 / 0502 / 1302 / 1800	0.6 / 1.1 / 0.4 / 1.1	20 SEG	0304 / 0636 / 1506 / 1926 / 2215	0.6 / 1.0 / 0.3 / 0.9 / 0.8
05 DOM	0149 / 0545 / 1358 / 1845	0.6 / 1.0 / 0.4 / 1.0	21 TER V	0053 / 0402 / 0743 / 1604 / 2026 / 2317	0.9 / 0.6 / 1.0 / 0.4 / 0.9 / 0.7
06 SEG	0239 / 0630 / 1451 / 1938	0.6 / 1.0 / 0.4 / 0.9	22 QUA	0139 / 0500 / 0858 / 1702 / 2130	0.8 / 0.6 / 1.0 / 0.4 / 0.9
07 TER C	0326 / 0730 / 1543 / 2106	0.6 / 0.9 / 0.4 / 0.9	23 QUI	0054 / 0158 / 0553 / 1008 / 1758 / 2234	0.7 / 0.8 / 0.5 / 1.0 / 0.4 / 0.9
08 QUA	0419 / 0900 / 1639 / 2315	0.6 / 0.9 / 0.4 / 0.9	24 SEX	0636 / 1115 / 1847 / 2328	0.4 / 1.0 / 0.4 / 1.0
09 QUI	0513 / 1028 / 1743 / 2347	0.5 / 1.0 / 0.3 / 1.0	25 SAB	0709 / 1217 / 1926	0.3 / 1.1 / 0.4
10 SEX	0608 / 1132 / 1845	0.4 / 1.1 / 0.3	26 DOM	0017 / 0747 / 1309 / 2004	1.1 / 0.3 / 1.2 / 0.4
11 SAB	0017 / 0700 / 1223 / 1941	1.0 / 0.3 / 1.2 / 0.2	27 SEG	0104 / 0819 / 1400 / 2045	1.1 / 0.2 / 1.2 / 0.5
12 DOM	0053 / 0753 / 1311 / 2036	1.1 / 0.2 / 1.3 / 0.2	28 TER &	0149 / 0853 / 1443 / 2123	1.1 / 0.2 / 1.3 / 0.5
13 SEG	0124 / 0843 / 1400 / 2126	1.1 / 0.1 / 1.3 / 0.3	29 QUA	0223 / 0932 / 1519 / 2204	1.2 / 0.2 / 1.3 / 0.5
14 TER Z	0202 / 0934 / 1451 / 2221	1.1 / 0.0 / 1.3 / 0.3	30 QUI	0300 / 1013 / 1556 / 2245	1.2 / 0.2 / 1.3 / 0.5
15 QUA	0243 / 1024 / 1536 / 2315	1.1 / 0.0 / 1.3 / 0.4			
16 QUI	0319 / 1119 / 1619	1.1 / 0.0 / 1.2			

Julho

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 SEX	0338 / 1058 / 1630 / 2328	1.2 / 0.2 / 1.2 / 0.5	17 DOM	0041 / 0445 / 1253 / 1726 / 2109 / 2226	0.5 / 1.2 / 0.1 / 1.1 / 0.7 / 0.8
02 SAB	0409 / 1147 / 1704	1.2 / 0.2 / 1.2	18 SEG	0128 / 0526 / 1347 / 1806 / 2147 / 2358	0.6 / 1.2 / 0.2 / 1.1 / 0.6 / 0.7
03 DOM	0006 / 0451 / 1234 / 1741	0.6 / 1.2 / 0.2 / 1.1	19 TER	0221 / 0613 / 1441 / 1853 / 2223	0.6 / 1.1 / 0.4 / 1.0 / 0.6
04 SEG	0049 / 0524 / 1319 / 1815	0.6 / 1.1 / 0.3 / 1.0	20 QUA V	0100 / 0319 / 0708 / 1245 / 1539 / 1939 / 2311	0.7 / 0.6 / 1.0 / 0.6 / 0.5 / 1.0 / 0.6
05 TER	0134 / 0606 / 1406 / 1900	0.6 / 1.0 / 0.4 / 1.0	21 QUI	0153 / 0419 / 0809 / 1208 / 1334 / 1638 / 2028	0.7 / 0.6 / 1.0 / 0.7 / 0.7 / 0.5 / 0.9
06 QUA C	0226 / 0658 / 1504 / 1953	0.6 / 1.0 / 0.4 / 0.9	22 SEX	0006 / 0213 / 0513 / 0923 / 1734 / 2126	0.6 / 0.7 / 0.5 / 0.9 / 0.5 / 0.9
07 QUI	0336 / 0802 / 1611 / 2100	0.6 / 1.0 / 0.4 / 0.8	23 SAB	0604 / 1049 / 1823 / 2238	0.4 / 0.9 / 0.6 / 0.9
08 SEX	0445 / 0924 / 1724 / 2221	0.5 / 1.0 / 0.4 / 0.9	24 DOM	0649 / 1213 / 1908 / 2353	0.3 / 1.0 / 0.5 / 1.0
09 SAB	0551 / 1056 / 1834 / 2336	0.4 / 1.0 / 0.4 / 0.9	25 SEG	0724 / 1315 / 1954	0.2 / 1.1 / 0.5
10 DOM	0647 / 1215 / 1934	0.3 / 1.1 / 0.3	26 TER	0053 / 0802 / 1400 / 2036	1.0 / 0.2 / 1.2 / 0.5
11 SEG	0030 / 0739 / 1323 / 2026	0.9 / 0.1 / 1.2 / 0.3	27 QUA	0139 / 0839 / 1436 / 2111	1.1 / 0.1 / 1.3 / 0.4
12 TER	0115 / 0828 / 1415 / 2119	1.0 / 0.0 / 1.3 / 0.3	28 QUI &	0215 / 0917 / 1506 / 2149	1.2 / 0.1 / 1.3 / 0.4
13 QUA Z	0158 / 0919 / 1458 / 2209	1.1 / -0.1 / 1.3 / 0.3	29 SEX	0253 / 0956 / 1539 / 2223	1.2 / 0.1 / 1.3 / 0.4
14 QUI	0239 / 1011 / 1536 / 2300	1.1 / -0.1 / 1.3 / 0.4	30 SAB	0323 / 1038 / 1608 / 2251	1.3 / 0.1 / 1.3 / 0.4
15 SEX	0317 / 1104 / 1611 / 2353	1.2 / -0.1 / 1.3 / 0.4	31 DOM	0358 / 1115 / 1641 / 2321	1.3 / 0.2 / 1.2 / 0.5
16 SAB	0400 / 1158 / 1653	1.2 / 0.0 / 1.2			

Agosto

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 SEG	0430 / 1154 / 1711 / 2339	1.3 / 0.2 / 1.2 / 0.5	17 QUA	0011 / 0126 / 0554 / 1019 / 1200 / 1402 / 1809 / 2211	0.6 / 0.6 / 1.2 / 0.5 / 0.5 / 0.5 / 1.1 / 0.4
02 TER	0504 / 1239 / 1749 / 2330	1.3 / 0.3 / 1.1 / 0.5	18 QUI	0109 / 0228 / 0641 / 1045 / 1302 / 1504 / 1854 / 2256	0.6 / 0.6 / 1.1 / 0.6 / 0.7 / 0.6 / 1.0 / 0.4
03 QUA	0545 / 1334 / 1821 / 2300	1.2 / 0.4 / 1.0 / 0.6	19 SEX V	0154 / 0339 / 0736 / 1108 / 1345 / 1608 / 1941 / 2338	0.6 / 0.6 / 1.0 / 0.6 / 0.7 / 0.6 / 0.9 / 0.5
04 QUI	0624 / 1443 / 1902 / 2306	1.1 / 0.5 / 0.9 / 0.6	20 SAB	0204 / 0441 / 0845 / 1139 / 1358 / 1708 / 2034	0.6 / 0.5 / 0.8 / 0.8 / 0.8 / 0.6 / 0.9
05 SEX C	0056 / 0256 / 0721 / 1600 / 1958 / 2319	0.6 / 0.6 / 1.0 / 0.5 / 0.8 / 0.7	21 DOM	0024 / 0200 / 0534 / 1151 / 1349 / 1804 / 2154	0.6 / 0.6 / 0.4 / 0.9 / 0.9 / 0.9 / 0.8
06 SAB	0104 / 0419 / 0843 / 1151 / 1302 / 1719 / 2106 / 2347	0.7 / 0.5 / 0.9 / 0.8 / 0.8 / 0.5 / 0.8 / 0.7	22 SEG	0617 / 1313 / 1854 / 2347	0.3 / 1.0 / 0.5 / 0.9
07 DOM	0124 / 0534 / 1341 / 1828	0.7 / 0.4 / 1.0 / 0.5	23 TER	0700 / 1328 / 1936	0.2 / 1.1 / 0.5
08 SEG	0136 / 0632 / 1408 / 1924	0.8 / 0.2 / 1.1 / 0.4	24 QUA	0054 / 0739 / 1353 / 2011	1.0 / 0.2 / 1.2 / 0.4
09 TER	0123 / 0724 / 1428 / 2017	0.9 / 0.1 / 1.2 / 0.3	25 QUI	0132 / 0815 / 1417 / 2047	1.1 / 0.1 / 1.3 / 0.4
10 QUA	0132 / 0813 / 1436 / 2104	1.0 / 0.0 / 1.3 / 0.3	26 SEX	0204 / 0853 / 1445 / 2119	1.2 / 0.1 / 1.3 / 0.3
11 QUI Z	0204 / 0904 / 1456 / 2153	1.1 / -0.1 / 1.3 / 0.3	27 SAB &	0236 / 0928 / 1509 / 2147	1.3 / 0.1 / 1.3 / 0.3
12 SEX	0238 / 0956 / 1521 / 2238	1.2 / -0.1 / 1.3 / 0.3	28 DOM	0304 / 1004 / 1541 / 2215	1.4 / 0.1 / 1.3 / 0.3
13 SAB	0311 / 1045 / 1554 / 2315	1.3 / -0.1 / 1.3 / 0.4	29 SEG	0338 / 1041 / 1608 / 2238	1.4 / 0.1 / 1.3 / 0.4
14 DOM	0353 / 1132 / 1623 / 2358	1.3 / 0.0 / 1.2 / 0.5	30 TER	0406 / 1119 / 1643 / 2245	1.4 / 0.2 / 1.2 / 0.4
15 SEG	0428 / 1217 / 1700 / 2113 / 2249	1.3 / 0.2 / 1.2 / 0.6 / 0.6	31 QUA	0445 / 1202 / 1709 / 2223	1.3 / 0.3 / 1.1 / 0.5
16 TER	0041 / 0506 / 1306 / 1736 / 2139	0.5 / 1.3 / 0.3 / 1.1 / 0.5			

TERMINAL DA ILHA GUAÍBA (ESTADO DO RIO DE JANEIRO) - 2022

Latitude 23° 00'.0 S Longitude 044° 01'.9 W Fuso +03.0 horas
MBR 40 Componentes Nível Médio 0.71 m Carta 1621

Setembro

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 QUI	0517 / 1308 / 1747 / 2213	1.3 / 0.5 / 1.0 / 0.5	17 SAB V	0245 / 0700 / 1026 / 1315 / 1549 / 1854 / 2302	0.5 / 1.0 / 0.7 / 0.8 / 0.7 / 0.9 / 0.5
02 SEX	0602 / 1023 / 1202 / 1436 / 1821 / 2221	1.1 / 0.6 / 0.6 / 0.6 / 0.9 / 0.5	18 DOM	0143 / 0354 / 0802 / 1045 / 1326 / 1649 / 1949 / 2343	0.6 / 0.5 / 0.8 / 0.8 / 0.9 / 0.7 / 0.9 / 0.6
03 SAB C	0047 / 0239 / 0658 / 1021 / 1249 / 1600 / 1908 / 2241	0.6 / 0.5 / 1.0 / 0.7 / 0.8 / 0.6 / 0.8 / 0.6	19 SEG	0128 / 0454 / 1319 / 1741 / 2108	0.6 / 0.4 / 1.0 / 0.6 / 0.8
04 DOM	0100 / 0402 / 0809 / 1017 / 1313 / 1713 / 2015 / 2256	0.7 / 0.5 / 0.9 / 0.8 / 1.0 / 0.6 / 0.7 / 0.7	20 TER	0545 / 1308 / 1823	0.4 / 1.0 / 0.5
05 SEG	0113 / 0511 / 1347 / 1819	0.7 / 0.3 / 1.1 / 0.5	21 QUA	0006 / 0626 / 1313 / 1904	0.9 / 0.3 / 1.1 / 0.4
06 TER	0130 / 0613 / 1406 / 1913	0.8 / 0.2 / 1.2 / 0.4	22 QUI	0045 / 0708 / 1330 / 1939	1.0 / 0.2 / 1.2 / 0.4
07 QUA	0124 / 0708 / 1417 / 2000	0.9 / 0.1 / 1.2 / 0.3	23 SEX	0111 / 0747 / 1353 / 2009	1.1 / 0.1 / 1.3 / 0.3
08 QUI	0128 / 0800 / 1419 / 2045	1.1 / 0.0 / 1.3 / 0.3	24 SAB	0141 / 0823 / 1413 / 2041	1.3 / 0.1 / 1.3 / 0.3
09 SEX	0153 / 0849 / 1430 / 2124	1.2 / -0.1 / 1.3 / 0.3	25 DOM &	0208 / 0858 / 1441 / 2113	1.4 / 0.0 / 1.3 / 0.3
10 SAB Z	0221 / 0934 / 1456 / 2202	1.3 / -0.1 / 1.3 / 0.3	26 SEG	0241 / 0936 / 1506 / 2143	1.4 / 0.1 / 1.3 / 0.3
11 DOM	0256 / 1015 / 1521 / 2239	1.4 / 0.0 / 1.3 / 0.3	27 TER	0309 / 1013 / 1538 / 2217	1.5 / 0.1 / 1.3 / 0.3
12 SEG	0332 / 1056 / 1554 / 2308	1.4 / 0.1 / 1.3 / 0.4	28 QUA	0349 / 1054 / 1604 / 2249	1.4 / 0.2 / 1.2 / 0.3
13 TER	0406 / 1138 / 1623 / 2100	1.4 / 0.3 / 1.2 / 0.4	29 QUI	0421 / 1151 / 1639 / 2343	1.4 / 0.4 / 1.1 / 0.4
14 QUA	0449 / 0945 / 1102 / 1215 / 1658 / 2121	1.4 / 0.4 / 0.4 / 0.4 / 1.2 / 0.3	30 SEX	0502 / 1056 / 1304 / 1708 / 2139 / 2317	1.3 / 0.6 / 0.6 / 1.0 / 0.4 / 0.5
15 QUI	0526 / 0951 / 1734 / 2156	1.2 / 0.5 / 1.1 / 0.3			
16 SEX	0608 / 1006 / 1300 / 1436 / 1808 / 2226	1.1 / 0.6 / 0.7 / 0.7 / 1.0 / 0.4			

Outubro

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 SAB V	0102 / 0549 / 0930 / 1153 / 1434 / 1751 / 2153	0.4 / 1.1 / 0.7 / 0.8 / 0.6 / 0.9 / 0.5	17 SEG V	0058 / 0300 / 0723 / 1006 / 1251 / 1606 / 1906 / 2306	0.5 / 0.5 / 0.9 / 0.8 / 0.9 / 0.7 / 0.8 / 0.6
02 DOM C	0000 / 0226 / 0641 / 0938 / 1224 / 1556 / 1839 / 2206	0.5 / 0.4 / 1.0 / 0.8 / 0.9 / 0.7 / 0.8 / 0.5	18 TER	0047 / 0400 / 1247 / 1700 / 2032	0.6 / 0.4 / 0.9 / 0.6 / 0.8
03 SEG	0026 / 0347 / 0758 / 0934 / 1300 / 1706 / 1954 / 2217	0.6 / 0.4 / 0.8 / 0.8 / 1.1 / 0.6 / 0.7 / 0.7	19 QUA	0456 / 1241 / 1745 / 2339	0.4 / 1.1 / 0.5 / 0.9
04 TER	0051 / 0456 / 1328 / 1806	0.7 / 0.3 / 1.1 / 0.5	20 QUI	0547 / 1245 / 1823	0.3 / 1.1 / 0.4
05 QUA	0054 / 0558 / 1347 / 1856	0.8 / 0.2 / 1.2 / 0.4	21 SEX	0011 / 0632 / 1258 / 1858	1.0 / 0.2 / 1.2 / 0.4
06 QUI	0043 / 0653 / 1345 / 1938	1.0 / 0.1 / 1.2 / 0.4	22 SAB	0041 / 0713 / 1317 / 1934	1.1 / 0.2 / 1.2 / 0.3
07 SEX	0058 / 0743 / 1341 / 2015	1.1 / 0.0 / 1.2 / 0.3	23 DOM	0108 / 0754 / 1341 / 2008	1.3 / 0.1 / 1.3 / 0.2
08 SAB	0124 / 0824 / 1356 / 2054	1.3 / 0.0 / 1.3 / 0.3	24 SEG	0141 / 0836 / 1404 / 2047	1.4 / 0.1 / 1.3 / 0.2
09 DOM Z	0158 / 0904 / 1419 / 2126	1.4 / 0.0 / 1.3 / 0.3	25 TER &	0211 / 0917 / 1434 / 2126	1.4 / 0.1 / 1.3 / 0.2
10 SEG	0234 / 0943 / 1451 / 2153	1.5 / 0.1 / 1.3 / 0.3	26 QUA	0251 / 1000 / 1502 / 2209	1.5 / 0.2 / 1.2 / 0.2
11 TER	0308 / 1015 / 1517 / 2132	1.5 / 0.2 / 1.3 / 0.3	27 QUI	0326 / 1053 / 1536 / 2300	1.4 / 0.3 / 1.2 / 0.2
12 QUA	0349 / 1030 / 1553 / 2045	1.4 / 0.4 / 1.2 / 0.3	28 SEX	0406 / 1154 / 1606	1.3 / 0.5 / 1.1
13 QUI	0424 / 0915 / 1621 / 2106	1.3 / 0.5 / 1.2 / 0.3	29 SAB	0000 / 0453 / 0900 / 1002 / 1302 / 1647 / 2113 / 2213	0.3 / 1.2 / 0.7 / 0.7 / 0.6 / 1.0 / 0.4 / 0.4
14 SEX	0504 / 0923 / 1658 / 2136	1.2 / 0.5 / 1.1 / 0.3	30 DOM	0104 / 0539 / 0856 / 1111 / 1419 / 1724 / 2124 / 2308	0.3 / 1.1 / 0.8 / 0.9 / 0.7 / 0.9 / 0.5 / 0.5
15 SAB	0549 / 0943 / 1354 / 1736 / 2204	1.1 / 0.6 / 0.7 / 1.0 / 0.3	31 SEG	0211 / 0630 / 0902 / 1539 / 1815 / 2156 / 2353	0.3 / 0.9 / 1.0 / 0.7 / 0.8 / 0.6 / 0.6
16 DOM	0143 / 0630 / 1000 / 1249 / 1504 / 1813 / 2238	0.5 / 1.0 / 0.7 / 0.8 / 0.7 / 0.9 / 0.5			

Novembro

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 TER C	0321 / 0751 / 0904 / 1243 / 1647 / 1943 / 2217	0.3 / 0.8 / 0.8 / 1.1 / 0.6 / 0.8 / 0.7	17 QUI	0404 / 1202 / 1656 / 2149	0.4 / 0.9 / 0.5 / 0.9
02 QUA	0008 / 0430 / 1309 / 1743 / 2334	0.7 / 0.3 / 1.1 / 0.5 / 0.8	18 SEX	0500 / 1206 / 1739 / 2311	0.4 / 1.0 / 0.5 / 1.0
03 QUI	0536 / 1328 / 1828 / 2338	0.2 / 1.1 / 0.5 / 1.0	19 SAB	0554 / 1221 / 1819 / 2356	0.3 / 1.1 / 0.4 / 1.1
04 SEX	0632 / 1302 / 1909	0.2 / 1.1 / 0.4	20 DOM	0647 / 1241 / 1902	0.3 / 1.1 / 0.3
05 SAB	0013 / 0719 / 1256 / 1949	1.1 / 0.1 / 1.1 / 0.3	21 SEG	0034 / 0736 / 1304 / 1945	1.2 / 0.2 / 1.2 / 0.2
06 DOM	0054 / 0802 / 1315 / 2021	1.3 / 0.1 / 1.2 / 0.3	22 TER	0109 / 0821 / 1334 / 2030	1.3 / 0.2 / 1.2 / 0.2
07 SEG	0132 / 0841 / 1347 / 2053	1.3 / 0.2 / 1.2 / 0.3	23 QUA &	0154 / 0906 / 1402 / 2115	1.4 / 0.2 / 1.2 / 0.1
08 TER Z	0209 / 0911 / 1415 / 2119	1.4 / 0.2 / 1.2 / 0.2	24 QUI	0236 / 0958 / 1438 / 2206	1.4 / 0.3 / 1.2 / 0.1
09 QUA	0253 / 0938 / 1451 / 2124	1.4 / 0.3 / 1.2 / 0.2	25 SEX	0315 / 1053 / 1509 / 2300	1.4 / 0.4 / 1.1 / 0.1
10 QUI	0330 / 0936 / 1519 / 2043	1.4 / 0.4 / 1.2 / 0.2	26 SAB	0402 / 1153 / 1553 / 2358	1.3 / 0.5 / 1.1 / 0.1
11 SEX	0408 / 0911 / 1556 / 2104	1.3 / 0.5 / 1.2 / 0.2	27 DOM	0449 / 1256 / 1632	1.2 / 0.6 / 1.0
12 SAB	0451 / 0915 / 1628 / 2124	1.2 / 0.6 / 1.1 / 0.3	28 SEG	0058 / 0534 / 0836 / 1043 / 1400 / 1715	0.2 / 1.1 / 0.9 / 0.9 / 0.6 / 1.0
13 DOM	0524 / 0932 / 1202 / 1300 / 1706 / 2158	1.1 / 0.6 / 0.7 / 0.7 / 1.0 / 0.4	29 TER	0158 / 0623 / 0858 / 1141 / 1506 / 1811 / 2209	0.2 / 1.0 / 0.8 / 0.8 / 0.7 / 0.9 / 0.6
14 SEG	0000 / 0106 / 0604 / 0953 / 1200 / 1415 / 1753 / 2226 / 2358	0.4 / 0.4 / 0.7 / 0.7 / 0.8 / 0.7 / 1.0 / 0.5 / 0.5	30 QUA C	0300 / 0724 / 0921 / 1228 / 1609 / 1926	0.3 / 0.9 / 0.8 / 1.0 / 0.6 / 0.8
15 TER	0211 / 0654 / 1004 / 1204 / 1513 / 1843	0.4 / 0.8 / 0.8 / 0.8 / 0.7 / 0.9			
16 QUA V	0308 / 0758 / 1002 / 1204 / 1606 / 1954	0.4 / 0.9 / 0.9 / 0.9 / 0.6 / 0.8			

Dezembro

Dia	HORA	ALT (m)	Dia	HORA	ALT (m)
01 QUI	0402 / 0953 / 1306 / 1708 / 2104	0.3 / 0.8 / 1.0 / 0.6 / 0.9	17 SAB	0413 / 0954 / 1656 / 2149	0.4 / 0.9 / 0.5 / 1.0
02 SEX	0508 / 1336 / 1800 / 2228	0.3 / 0.9 / 0.5 / 1.0	18 DOM	0521 / 1121 / 1751 / 2302	0.4 / 0.9 / 0.4 / 1.0
03 SAB	0608 / 1130 / 1847 / 2328	0.3 / 0.9 / 0.4 / 1.1	19 SEG	0624 / 1200 / 1839	0.4 / 1.0 / 0.3
04 DOM	0700 / 1202 / 1923	0.3 / 1.0 / 0.3	20 TER	0002 / 0721 / 1234 / 1926	1.1 / 0.3 / 1.0 / 0.2
05 SEG	0019 / 0745 / 1239 / 1958	1.2 / 0.3 / 1.1 / 0.3	21 QUA	0056 / 0811 / 1308 / 2015	1.2 / 0.3 / 1.1 / 0.1
06 TER	0108 / 0819 / 1311 / 2030	1.2 / 0.3 / 1.1 / 0.2	22 QUI	0147 / 0902 / 1347 / 2106	1.3 / 0.3 / 1.1 / 0.0
07 QUA	0156 / 0853 / 1353 / 2058	1.3 / 0.4 / 1.2 / 0.2	23 SEX &	0234 / 0956 / 1421 / 2200	1.3 / 0.3 / 1.1 / 0.0
08 QUI	0239 / 0923 / 1424 / 2130	1.3 / 0.4 / 1.2 / 0.2	24 SAB	0319 / 1049 / 1502 / 2254	1.3 / 0.4 / 1.1 / 0.0
09 SEX	0319 / 0949 / 1500 / 2154	1.3 / 0.5 / 1.2 / 0.2	25 DOM	0402 / 1141 / 1547 / 2351	1.3 / 0.4 / 1.1 / 0.0
10 SAB	0358 / 1024 / 1538 / 2241	1.3 / 0.5 / 1.2 / 0.2	26 SEG	0445 / 1236 / 1626	1.2 / 0.5 / 1.1
11 DOM	0436 / 1111 / 1611 / 2343	1.2 / 0.6 / 1.2 / 0.3	27 TER	0045 / 0523 / 0851 / 1000 / 1332 / 1711	0.1 / 0.9 / 0.9 / 0.9 / 0.6 / 1.1
12 SEG	0508 / 1215 / 1653	1.2 / 0.6 / 1.1	28 QUA	0141 / 0606 / 0909 / 1121 / 1432 / 1804	0.2 / 1.0 / 0.9 / 0.9 / 0.6 / 1.0
13 TER	0041 / 0549 / 1019 / 1315 / 1732	0.3 / 1.1 / 0.7 / 0.6 / 1.0	29 QUI C	0238 / 0658 / 0956 / 1228 / 1536 / 1906	0.3 / 0.9 / 0.7 / 0.9 / 0.6 / 1.0
14 QUA	0134 / 0623 / 1409 / 1813	0.4 / 1.0 / 0.6 / 1.0	30 SEX	0339 / 0753 / 1045 / 1319 / 1638 / 2015	0.4 / 0.9 / 0.7 / 0.8 / 0.6 / 1.0
15 QUI	0223 / 0708 / 1504 / 1908	0.4 / 0.9 / 0.6 / 0.9	31 SAB	0445 / 0854 / 1147 / 1402 / 1732 / 2132	0.4 / 0.9 / 0.7 / 0.8 / 0.5 / 1.0
16 SEX V	0313 / 0808 / 1600 / 2021	0.4 / 0.9 / 0.6 / 0.9			