

Janeiro		Fevereiro		Março		Abril									
HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)								
01 TER	0000 1.3 0356 0.7 0602 0.8 0858 0.5 1300 1.4 1728 0.3	17 QUI	0056 1.6 0758 0.4 1253 1.5 2013 0.3	01 SEX	0106 1.5 0556 0.6 0756 0.7 1006 0.6 1423 1.5 1908 0.0	17 DOM	0223 1.8 0928 0.4 1426 1.6 2130 0.1	01 SEX	0004 1.3 0854 0.5 1317 1.4 1817 0.2	17 DOM	0123 1.7 0806 0.3 1308 1.5 2032 0.0	01 SEG	0109 1.5 0647 0.4 1409 1.5 1904 0.0	17 QUA	0226 1.8 0656 0.2 1428 1.6 1921 0.3 2104 0.4 2232 0.3
02 QUA	0043 1.4 0458 0.6 0713 0.8 0951 0.6 1353 1.4 1823 0.1	18 SEX	0145 1.7 0858 0.4 1347 1.5 2036 0.3	02 SAB	0151 1.6 0647 0.5 1047 0.7 1504 1.6 1951 -0.1	18 SEG	0309 1.9 0800 0.5 1519 1.6 2039 0.1	02 SAB	0053 1.4 0906 0.6 1402 1.5 1858 0.0	18 SEG	0206 1.8 0753 0.4 1404 1.6 2113 0.1	02 TER	0149 1.6 0658 0.3 1451 1.6 1936 -0.1	18 QUI	0308 1.8 0719 0.1 1517 1.6 1943 0.3 2213 0.6 2353 0.5
03 QUI	0121 1.5 0554 0.6 0843 0.8 1039 0.7 1438 1.5 1909 0.0	19 SAB	0234 1.8 0954 0.5 1439 1.5 1953 0.2	03 DOM	0234 1.6 0721 0.4 1145 0.8 1549 1.6 2024 -0.2	19 TER	0358 2.0 0809 0.4 1608 1.6 2045 0.1 2354 0.3	03 DOM	0134 1.5 0654 0.5 1447 1.6 1932 -0.1	19 TER	0253 1.9 0728 0.3 1458 1.6 2024 0.2	03 QUA	0221 1.7 0715 0.2 1524 1.6 2004 -0.1	19 SEX	0354 1.7 0758 0.0 1602 1.6 2009 0.3 2308 0.8
04 SEX	0202 1.6 0643 0.5 0958 0.8 1134 0.8 1519 1.5 1956 -0.1	20 DOM	0323 1.8 0802 0.5 1000 0.6 1100 0.6 1532 1.5 2013 0.2	04 SEG	0315 1.7 0758 0.3 1251 0.9 1624 1.6 2100 -0.2	20 QUA	0445 1.9 0845 0.2 1206 0.9 1319 0.9 1658 1.6 2106 0.1 2354 0.5	04 SEG	0211 1.6 0713 0.3 1521 1.6 2004 -0.2	20 QUA	0336 1.9 0751 0.2 1549 1.7 2017 0.2 2347 0.4	04 QUI	0258 1.7 0743 0.1 1600 1.6 2034 0.0	20 SAB	0104 0.6 0441 1.6 0839 -0.1 1651 1.6 2049 0.3
05 SAB	0249 1.6 0724 0.4 1058 0.9 1236 0.8 1602 1.5 2038 -0.1	21 SEG	0411 1.9 0823 0.5 1108 0.7 1230 0.7 1621 1.5 2051 0.1	05 TER	0358 1.7 0830 0.2 1209 1.0 1353 0.9 1702 1.5 2130 -0.1	21 QUI	0128 0.4 0526 1.8 0915 0.1 1256 1.1 1441 1.0 1745 1.5 2141 0.2	05 TER	0253 1.7 0743 0.2 1558 1.6 2036 -0.2	21 QUI	0417 1.8 0819 1.0 1634 1.7 2045 0.2 2336 0.6	05 SEX	0334 1.7 0806 0.0 1639 1.6 2102 0.0	21 DOM	0000 1.0 0219 0.7 0526 1.4 0919 0.0 1730 1.5 2121 0.3
06 DOM	0332 1.6 0804 0.3 1145 1.0 1339 0.9 1651 1.4 2113 -0.1	22 TER	0500 1.9 0900 0.4 1204 0.9 1354 0.8 1711 1.5 2121 0.1	06 QUA	0439 1.7 0902 0.1 1249 1.1 1445 0.9 1745 1.5 2202 0.0	22 SEX	0036 0.7 0245 0.5 0611 1.6 0958 0.1 1341 1.2 1549 1.0 1830 1.4 2211 0.3	06 QUA	0328 1.7 0806 0.1 1253 0.9 1636 1.6 2104 -0.1	22 SEX	0113 0.5 0502 1.7 0858 0.0 1258 1.0 1356 1.0 1713 1.6 2111 0.2	06 SAB	0408 1.6 0841 0.0 1709 1.6 2126 0.1	22 SEG	0049 1.2 0332 0.7 0617 1.2 1006 0.1 1808 1.4 2200 0.3
07 SEG	0415 1.6 0845 0.2 1217 1.1 1438 0.9 1732 1.4 2154 0.0	23 QUA	0004 0.5 0145 0.4 0551 1.8 0938 0.3 1258 1.1 1504 0.9 1804 1.4 2200 0.2	07 QUI	0513 1.7 0936 1.2 1317 1.2 1534 0.9 1821 1.4 2236 0.1	23 SAB	0113 1.0 0303 0.5 0702 1.4 1043 0.1 1421 1.2 1653 1.0 1915 1.3 2253 0.4	07 QUI	0404 1.7 0839 0.0 1353 1.0 1706 1.6 2134 -0.1	23 SAB	0013 0.9 0234 0.8 0553 1.5 0941 0.0 1338 1.1 1458 1.0 1758 1.5 2151 0.3	07 DOM	0453 1.5 0909 0.0 1317 1.0 1419 1.0 1749 1.5 2156 0.3	23 TER	0124 1.4 0456 0.6 0717 1.1 1100 0.2 1853 1.3 2238 0.4
08 TER	0500 1.6 0915 0.2 1258 1.2 1524 0.9 1811 1.3 2226 0.1	24 QUI	0054 0.6 0254 0.4 0638 1.6 1013 0.2 1347 1.2 1611 0.9 1858 1.3 2243 0.3	08 SEX	0556 1.6 1006 0.1 1356 1.2 1615 0.9 1902 1.3 2308 0.2	24 DOM	0200 1.1 0458 0.5 0758 1.2 1124 0.2 1508 1.2 1751 0.9 2008 1.1 2328 0.5	08 SEX	0445 1.7 0906 0.0 1306 1.1 1443 1.0 1747 1.5 2202 0.2	24 DOM	0100 1.1 0345 0.6 0645 1.3 1021 0.1 1419 1.1 1558 1.0 1845 1.3 2221 0.3	08 SEG	0538 1.4 0951 0.1 1347 1.0 1502 0.9 1824 1.4 2217 0.5	24 QUA	0202 1.4 0523 0.5 0819 1.1 1200 0.3 1934 1.2 2309 0.5
09 QUA	0543 1.6 0954 0.2 1330 1.2 1611 0.8 1900 1.2 2306 0.2	25 SEX	0136 0.8 0358 0.5 0723 1.5 1100 0.3 1432 1.3 1713 0.9 1954 1.2 2317 0.4	09 SAB	0638 1.5 1045 0.2 1424 1.2 1702 0.9 1951 1.2 2349 0.4	25 SEG	0247 1.3 0558 0.5 0900 1.1 1217 0.4 1556 1.1 1836 0.8 2106 1.1	09 SAB	0521 1.6 0943 0.0 1343 1.1 1521 1.0 1815 1.4 2228 0.2	25 SEG	0147 1.3 0449 0.6 0741 1.1 1109 0.2 1508 1.1 1856 1.0 1926 1.2 2300 0.4	09 TER	0139 0.9 0321 0.8 0632 1.2 1024 0.2 1404 0.9 1554 0.8 1908 1.3 2249 0.6	25 QUI	0241 1.4 0606 0.5 0921 1.1 1311 0.5 2017 1.2 2354 0.7
10 QUI	0621 1.5 1026 0.2 1402 1.3 1700 0.8 1951 1.2 2353 0.3	26 SAB	0215 1.0 0502 0.5 0815 1.3 1149 0.3 1517 1.2 1808 0.8 2053 1.1	10 DOM	0721 1.4 1117 0.3 1458 1.1 1745 0.8 2041 1.1	26 TER	0008 0.6 0323 1.3 0656 0.5 1006 1.1 1328 0.6 1645 0.9 1900 0.8 2208 1.1	10 DOM	0602 1.5 1013 0.1 1409 1.1 1804 1.0 1858 1.3 2258 0.4	26 TER	0221 1.4 0547 0.5 0843 1.1 1206 0.4 1600 1.0 1738 0.9 2015 1.1 2339 0.6	10 QUA	0145 1.0 0432 0.7 0736 1.1 1108 0.4 1423 0.9 1638 0.7 2004 1.2 2309 0.8	26 SEX	0304 1.3 0647 0.4 1019 1.2 1449 0.5 2115 1.2
11 SEX	0702 1.4 1102 0.3 1439 1.2 1741 0.7 2041 1.1	27 DOM	0002 0.5 0302 1.1 0604 0.5 0917 1.1 1243 0.5 1606 1.1 1858 0.8 2153 1.1	11 SEG	0030 0.6 0258 0.7 0408 0.7 0813 1.3 1202 0.4 1523 1.0 1809 0.7 2141 1.1	27 QUA	0100 0.8 0400 1.2 0743 0.4 1119 1.1 1523 0.6 2309 1.2	11 SEG	0654 1.3 1054 0.2 1439 1.0 1653 0.9 1945 1.2 2319 0.6	27 QUA	0300 1.3 0632 0.5 0951 1.1 1319 0.5 2113 1.1	11 QUI	0156 1.1 0521 0.5 0841 1.1 1202 0.5 1447 0.8 1717 0.5 2113 1.2 2356 1.0	27 SAB	0043 0.9 0323 1.1 0709 0.4 1111 1.3 1609 0.4 2228 1.2
12 SAB	0047 0.4 0753 1.4 1147 0.4 1508 1.1 1809 0.7 2132 1.2	28 SEG	0056 0.7 0353 1.1 0706 0.5 1030 1.1 1356 0.6 1700 0.9 1928 0.7 2251 1.2	12 TER	0523 0.6 0915 1.2 1256 0.6 1549 0.9 1843 0.6 2247 1.2	28 QUI	0209 0.9 0434 1.0 0819 0.5 1224 1.2 1730 0.4	12 TER	0206 0.9 0426 0.7 0753 1.2 1136 0.4 1500 1.0 1723 0.8 2043 1.2 2356 0.8	28 QUI	0017 0.8 0330 1.2 0709 0.4 1056 1.1 1519 0.5 2221 1.1	12 SEX	0202 1.2 0604 0.4 0947 1.1 1308 0.7 1456 0.7 1802 0.4 2251 1.3	28 DOM	0728 0.4 1202 1.4 1704 0.3 2345 1.3
13 DOM	0217 0.5 0847 1.3 1236 0.6 1543 1.0 1843 0.6 2224 1.2	29 TER	0156 0.8 0438 1.1 0800 0.5 1145 1.2 1541 0.6 1817 0.7 1923 0.7 2341 1.2	13 QUA	0621 0.4 1023 1.2 1402 0.7 1558 0.8 1904 0.4 2351 1.4	29 SEG	0709 0.3 1132 1.3 1939 0.3	13 QUA	0204 1.0 0523 0.6 0856 1.2 1219 0.5 1511 0.9 1800 0.8 2158 1.2	29 SEX	0117 0.9 0349 1.1 0747 0.4 1156 1.2 1700 0.4 2334 1.2	13 SAB	0643 0.3 1049 1.2 1851 0.2	29 SEG	0719 0.5 1247 1.4 1749 0.2
14 SEG	0439 0.5 0949 1.3 1339 0.7 1604 0.8 1902 0.6 2317 1.3	30 QUA	0302 0.8 0519 1.0 0851 0.5 1247 1.3 1724 0.4	14 QUI	0047 1.5 0800 0.3 1234 1.4 2011 0.2	30 SAB	0156 1.4 0611 1.1 1000 1.2 1321 0.7 1521 0.8 1838 0.4 2324 1.3	14 QUI	0658 0.3 1104 1.2 1909 0.2	30 SAB	0804 0.5 1249 1.4 1751 0.2	14 DOM	0015 1.5 0709 0.3 1145 1.3 1934 0.2	30 TER	0038 1.5 0628 0.4 1326 1.5 1824 0.1
15 TER	0553 0.5 1054 1.3 1508 0.7 1617 0.7 1923 0.5	31 QUI	0024 1.3 0432 0.8 0613 0.8 0930 0.5 1339 1.4 1824 0.2	15 SEX	0136 1.7 0847 0.3 1334 1.5 2051 0.1	31 DOM	0658 0.3 1104 1.2 1909 0.2	15 SEX	0034 1.5 0738 0.3 1208 1.4 1953 0.1	31 DOM	0030 1.4 0736 0.5 1332 1.5 1828 0.1	15 SEG	0102 1.7 0721 0.4 1241 1.4 2021 0.2	16 TER	0147 1.8 0647 0.4 1338 1.5 2117 0.2

Maio		Junho		Julho		Agosto	
HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)
01 QUA 0115 1.6 0630 0.2 1406 1.6 1900 0.1	17 SEX 0251 1.7 0702 0.0 1451 1.5 1904 0.5 2145 0.7 2349 0.6	01 SAB 0202 1.7 0649 0.1 1456 1.6 1943 0.3	17 SEG 0028 0.7 0400 1.5 0821 -0.1 1600 1.6 2011 0.4 2332 1.0	01 SEG 0224 1.6 0713 0.1 1523 1.7 2034 0.5	17 QUA 0102 0.9 0430 1.5 0900 -0.1 1621 1.6 2047 0.3	01 QUI 0351 1.5 0826 0.1 1647 1.9 2058 0.4	17 SAB 0049 1.2 0239 1.0 0517 1.4 0943 0.0 1704 1.7 2121 0.0
02 QUI 0154 1.7 0651 0.1 1451 1.6 1932 0.1	18 SAB 0334 1.6 0743 0.0 1539 1.6 1947 0.4 2249 0.9	02 DOM 0243 1.7 0715 0.0 1543 1.7 2013 0.4	18 TER 0143 0.8 0451 1.4 0908 0.0 1645 1.6 2054 0.3	02 TER 0308 1.5 0751 0.1 1611 1.8 2049 0.5	18 QUI 0017 1.1 0211 0.9 0511 1.4 0941 -0.1 1658 1.7 2113 0.2	02 SEX 0439 1.5 0900 0.1 1143 0.4 1306 0.3 1728 1.9 2123 0.3	18 DOM 0111 1.2 0332 1.0 0600 1.3 1011 0.1 1741 1.6 2156 0.0
03 SEX 0228 1.7 0709 0.0 1526 1.6 2004 0.1	19 DOM 0056 0.7 0413 1.5 0821 0.0 1621 1.6 2023 0.4 2345 1.1	03 SEG 0323 1.6 0753 0.0 1626 1.7 2047 0.4	19 QUA 0017 1.1 0253 0.8 0541 1.3 0956 0.1 1721 1.6 2126 0.3	03 QUA 0358 1.5 0824 0.1 1700 1.8 2108 0.5	19 SEX 0058 1.2 0313 0.9 0600 1.3 1017 0.0 1736 1.7 2151 0.1	03 SAB 0100 1.0 0236 1.0 0532 1.4 0939 0.2 1211 0.5 1411 0.4 1809 1.8 2200 0.2	19 SEG 0147 1.3 0347 0.9 0649 1.2 1053 0.2 1813 1.5 2223 0.1
04 SAB 0304 1.7 0741 0.0 1604 1.7 2034 0.2	20 SEG 0202 0.8 0504 1.3 0908 0.0 1702 1.6 2102 0.3	04 TER 0408 1.5 0828 0.1 1251 0.6 1709 1.7 2113 0.5	20 QUI 0100 1.3 0354 0.8 0634 1.2 1045 0.1 1758 1.6 2200 0.2	04 QUI 0451 1.4 0906 0.2 1156 0.5 1321 0.4 1747 1.8 2141 0.4	20 SAB 0126 1.3 0408 0.9 0651 1.2 1100 0.1 1806 1.6 2215 0.2	04 DOM 0134 1.2 0358 1.0 0626 1.2 1011 0.3 1300 0.7 1513 0.4 1858 1.6 2238 0.2	20 TER 0211 1.3 0502 0.9 0738 1.1 1128 0.4 1854 1.4 2258 0.2
05 DOM 0347 1.6 0808 0.0 1649 1.6 2102 0.3	21 TER 0026 1.2 0311 0.8 0600 1.2 1000 0.1 1747 1.5 2143 0.3	05 QUA 0500 1.3 0909 0.2 1211 0.6 1351 0.5 1758 1.7 2151 0.5	21 SEX 0138 1.3 0443 0.7 0726 1.1 1132 0.2 1834 1.5 2236 0.3	05 SEX 0100 1.0 0254 0.9 0551 1.2 0956 0.3 1221 0.5 1417 0.4 1826 1.8 2211 0.4	21 DOM 0200 1.3 0458 0.8 0741 1.1 1147 0.3 1845 1.5 2251 0.2	05 SEG 0209 1.3 0500 0.9 0726 1.2 1058 0.4 1354 0.9 1621 0.5 1949 1.4 2313 0.3	21 QUA 0243 1.2 0541 0.8 0826 1.1 1213 0.6 1941 1.3 2338 0.3
06 SEG 0426 1.5 0849 0.0 1726 1.6 2128 0.4	22 QUA 0108 1.4 0411 0.7 0658 1.1 1054 0.2 1821 1.5 2213 0.3	06 QUI 0056 1.0 0306 0.8 0602 1.2 1000 0.2 1249 0.6 1443 0.5 1845 1.7 2221 0.6	22 SAB 0206 1.4 0521 0.6 0819 1.1 1224 0.3 1908 1.4 2306 0.4	06 SAB 0136 1.1 0406 0.9 0654 1.2 1043 0.3 1304 0.6 1513 0.4 1911 1.6 2254 0.4	22 SEG 0226 1.3 0538 0.7 0832 1.1 1238 0.4 1917 1.4 2321 0.4	06 TER 0254 1.3 0556 0.8 0826 1.1 1145 0.5 1443 1.0 1736 0.6 2047 1.1	22 QUI 0304 1.1 0602 0.7 0921 1.1 1313 0.7 1506 0.7 1639 0.7 2039 1.2
07 TER 0147 0.9 0515 1.3 0923 0.1 1300 0.8 1419 0.7 1808 1.6 2200 0.5	23 QUI 0151 1.4 0504 0.6 0758 1.1 1153 0.3 1858 1.4 2254 0.4	07 SEX 0124 1.1 0415 0.7 0708 1.1 1056 0.4 1313 0.6 1534 0.4 1930 1.5 2300 0.7	23 DOM 0239 1.3 0508 0.5 0909 1.1 1324 0.4 1551 1.3 2345 0.5	07 DOM 0209 1.2 0508 0.5 0756 1.1 1128 0.4 1358 0.7 1613 0.5 2002 1.4 2334 0.5	23 TER 0258 1.2 0606 0.6 0921 1.1 1336 0.5 2002 1.3	07 QUA 0002 0.4 0334 1.2 0638 0.7 0926 1.1 1228 0.6 1530 1.1 1851 0.5 2200 1.0	23 SEX 0017 0.5 0321 0.9 0621 0.6 1015 1.2 1754 0.6 2151 1.2
08 QUA 0104 1.0 0321 0.8 0613 1.2 1006 0.3 1319 0.8 1506 0.7 1858 1.5 2228 0.6	24 SEX 0219 1.4 0549 0.5 0856 1.1 1256 0.4 1941 1.3 2326 0.5	08 SAB 0200 1.2 0509 0.6 0813 1.1 1154 0.5 1358 0.6 1624 0.4 2023 1.4 2347 0.8	24 SEG 0302 1.2 0626 0.5 1002 1.2 1426 0.4 2039 1.3	08 SEG 0254 1.2 0600 0.7 0858 1.1 1217 0.5 1454 0.8 1724 0.5 2102 1.2	24 QUA 0000 0.5 0317 1.1 0636 0.6 1011 1.2 1447 0.6 2102 1.2	08 QUI 0106 0.6 0409 1.0 0704 0.7 1021 1.1 1317 0.7 1615 1.2 1953 0.5 2324 1.1	24 SAB 0119 0.7 0324 0.8 0641 0.4 1108 1.3 1581 0.5 2302 1.2
09 QUI 0126 1.1 0428 0.7 0723 1.1 1100 0.4 1351 0.7 1558 0.5 1951 1.4 2302 0.8	25 SAB 0253 1.3 0617 0.4 0951 1.2 1408 0.4 2024 1.3	09 DOM 0238 1.2 0558 0.6 0913 1.2 1258 0.6 1447 0.6 1723 0.4 2132 1.3	25 TER 0026 0.7 0323 1.0 0643 0.5 1049 1.3 1526 0.4 2149 1.2	09 TER 0023 0.6 0336 1.1 0643 0.7 0954 1.2 1309 0.6 1549 0.9 1847 0.5 2223 1.1	25 QUI 0054 0.7 0338 0.9 0653 0.5 1100 1.3 1606 0.6 2221 1.2	09 SEX 0311 0.7 0458 0.7 0709 0.6 1109 1.2 1415 0.8 1702 1.1 2045 0.5	25 DOM 0700 0.3 1202 1.5 1939 0.4
10 SEX 0154 1.2 0515 0.5 0832 1.1 1200 0.5 1408 0.7 1651 0.4 2053 1.3 2353 1.0	26 DOM 0006 0.7 0311 1.1 0651 0.4 1038 1.2 1515 0.4 2124 1.2	10 SEG 0051 0.9 0302 1.0 0638 0.5 1008 1.2 1400 0.6 1539 0.7 1836 0.4 2300 1.3	26 QUA 0149 0.8 0332 0.8 0704 0.5 1130 1.3 1623 0.4 2304 1.3	10 QUA 0151 0.7 0411 0.9 0706 0.6 1047 1.2 1404 0.7 1641 0.9 1958 0.5 2353 1.2	26 SEX 0700 0.4 1147 1.3 1841 0.5 2339 1.3	10 SAB 0036 1.2 0526 0.4 1158 1.3 1532 0.9 1754 1.0 2124 0.5	26 SEG 0006 1.4 0724 0.2 1258 1.6 2017 0.3
11 SAB 0209 1.2 0600 0.4 0934 1.1 1309 0.6 1439 0.7 1741 0.4 2206 1.3	27 SEG 0108 0.9 0321 1.0 0706 0.4 1119 1.3 1611 0.3 2243 1.3	11 TER 0700 0.6 1100 1.3 1458 0.7 1639 0.7 1949 0.4	27 QUI 0706 0.5 1209 1.4 1721 0.5	11 QUI 0421 0.6 0506 0.8 0706 0.6 1132 1.3 1500 0.8 1726 1.0 2056 0.4	27 SAB 0708 0.3 1232 1.4 1949 0.5	11 DOM 0124 1.4 0608 0.2 1243 1.3 1708 0.8 1856 0.8 2202 0.6	27 TER 0102 1.5 0749 0.1 1354 1.7 2051 0.4
12 DOM 0154 1.1 0638 0.4 1028 1.2 1836 0.3 2339 1.4	28 TER 0713 0.5 1202 1.4 1700 0.3 2354 1.4	12 QUA 0011 1.4 0634 0.6 1153 1.4 1556 0.7 1741 0.8 2053 0.4	28 SEX 0008 1.4 0643 0.4 1254 1.5 1830 0.5	12 SEX 0054 1.3 0530 0.4 1215 1.3 1602 0.8 1815 0.9 2145 0.5	28 DOM 0038 1.4 0723 0.2 1321 1.5 2039 0.4	12 SEG 0206 1.5 0649 0.0 1330 1.4 1828 0.6 2056 0.7 2241 0.7	28 QUA 0154 1.6 0758 0.1 1447 1.8 2023 0.4
13 SEG 0700 0.4 1121 1.3 1934 0.3	29 QUA 0641 0.4 1245 1.5 1745 0.3	13 QUI 0104 1.5 0545 0.4 1241 1.4 1651 0.7 1843 0.8 2149 0.4	29 SAB 0058 1.5 0630 0.3 1343 1.5 2021 0.4	13 SAB 0143 1.5 0613 0.2 1304 1.4 1719 0.8 1915 0.8 2224 0.5	29 SEG 0126 1.5 0734 0.2 1415 1.7 2121 0.4	13 TER 0249 1.6 0723 -0.2 1419 1.5 1911 0.5	29 QUI 0241 1.6 0749 0.1 1534 1.9 2004 0.4
14 TER 0039 1.5 0643 0.5 1211 1.4 2039 0.3	30 QUI 0043 1.5 0609 0.3 1324 1.5 1824 0.2	14 SEX 0154 1.6 0615 0.2 1328 1.4 1749 0.7 1951 0.8 2239 0.5	30 DOM 0143 1.6 0647 0.2 1434 1.6 2115 0.5	14 DOM 0223 1.5 0658 0.0 1358 1.4 1838 0.7 2054 0.8 2306 0.6	30 TER 0211 1.6 0743 0.1 1508 1.8 2132 0.5	14 QUA 0324 1.6 0800 -0.2 1508 1.6 1953 0.3	30 SEX 0326 1.6 0804 0.1 1617 1.9 2024 0.3
15 QUA 0123 1.6 0606 0.3 1304 1.5 1854 0.5 2143 0.4	31 SEX 0121 1.6 0623 0.2 1408 1.6 1906 0.3	15 SAB 0236 1.6 0658 0.0 1421 1.5 1843 0.6 2102 0.8 2330 0.6		15 SEG 0304 1.6 0741 -0.1 1451 1.5 1926 0.5 2228 0.8 2358 0.8	31 QUA 0300 1.6 0802 0.1 1600 1.9 2039 0.5	15 QUI 0402 1.5 0836 -0.2 1553 1.6 2021 0.2	31 SAB 0413 1.6 0832 0.1 1111 0.5 1302 0.4 1702 1.8 2100 0.1
16 QUI 0206 1.7 0626 0.2 1358 1.5 1824 0.5 2021 0.6 2247 0.4		16 DOM 0315 1.5 0739 0.0 1511 1.5 1930 0.5 2223 0.9		16 TER 0349 1.5 0819 -0.2 1539 1.6 2006 0.4 2341 0.9		16 SEX 0013 1.1 0136 1.0 0443 1.5 0906 -0.1 1630 1.7 2056 0.1	

Setembro		Outubro		Novembro		Dezembro									
HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)								
01 DOM	0051 1.1 0158 1.0 0502 1.5 0904 0.2 1158 0.7 1408 0.4 1753 1.7 2136 0.1	17 TER	0119 1.2 0321 1.1 0553 1.3 0958 0.2 1747 1.5 2154 0.0	01 TER	0108 1.1 0223 1.1 0515 1.4 0904 0.2 1217 1.1 1504 0.6 1808 1.4 2153 0.0	17 QUI	0115 1.1 0300 1.0 0556 1.4 0947 0.4 1306 1.0 1500 0.9 1800 1.3 2158 0.1	01 SEX	0619 1.3 1000 0.4 1336 1.4 1656 0.6 1941 1.1 2309 0.3	17 DOM	0121 0.8 0341 0.6 0715 1.4 1043 0.7 1332 1.1 1638 0.6 1943 1.2 2308 0.4	01 DOM	0645 1.3 1032 0.4 1402 1.4 1721 0.6 2017 1.1	17 TER	0141 0.7 0402 0.4 0758 1.5 1126 0.7 1419 1.1 1715 0.7 2024 1.2
02 SEG	0117 1.2 0317 1.1 0556 1.4 0945 0.3 1247 0.9 1511 0.5 1838 1.5 2211 0.1	18 QUA	0153 1.2 0406 1.0 0638 1.2 1024 0.4 1453 0.9 1828 1.4 2226 0.1	02 QUA	0145 1.1 0339 1.0 0606 1.3 0949 0.6 1304 1.3 1606 0.6 1900 1.2 2236 0.1	18 SEX	0139 1.0 0349 0.8 0649 1.3 1013 0.5 1321 1.0 1600 0.8 1858 1.2 2241 0.2	02 SAB	0709 1.2 1047 0.4 1411 1.4 1743 0.6 2043 1.0	18 SEG	0151 0.7 0423 0.4 0811 1.4 1124 0.9 1358 1.1 1717 0.5 2043 1.2	02 SEG	0009 0.4 0728 1.3 1109 0.5 1443 1.3 1802 0.6 2111 1.1	18 QUA	0002 0.5 0206 0.7 0458 0.3 0858 1.4 1223 0.8 1500 1.0 1800 0.7 2124 1.2
03 TER	0158 1.3 0428 1.0 0654 1.2 1017 0.4 1328 1.1 1617 0.5 1924 1.3 2258 0.2	19 QUI	0211 1.2 0451 0.9 0724 1.1 1100 0.6 1406 0.9 1602 0.8 1915 1.3 2304 0.2	03 QUI	0217 1.1 0432 0.9 0700 1.2 1026 0.4 1354 1.4 1706 0.5 2000 1.1 2321 0.3	19 SAB	0200 1.0 0421 0.7 0743 1.3 1056 0.7 1347 1.1 1653 0.6 1958 1.2 2321 0.4	03 DOM	0013 0.5 0802 1.2 1128 0.6 1454 1.3 1819 0.5 2145 1.1	19 TER	0006 0.6 0204 0.7 0508 0.3 0913 1.4 1232 1.0 1415 1.0 1758 0.5 2143 1.3	03 TER	0126 0.5 0813 0.6 1158 0.6 1509 1.2 1836 0.6 2206 1.2	19 QUI	0106 0.6 0253 0.7 0556 0.3 1004 1.3 1354 0.8 1543 0.9 1838 0.6 2223 1.3
04 QUA	0238 1.3 0521 0.9 0753 1.1 1100 0.5 1413 1.3 1724 0.5 2021 1.1 2347 1.3	20 SEX	0239 1.1 0513 0.7 0819 1.1 1141 0.7 1409 0.9 1700 0.7 2013 1.2 2353 0.4	04 SEX	0258 1.0 0506 0.8 0758 1.1 1108 0.5 1438 1.4 1802 0.5 2102 1.0	20 DOM	0213 0.9 0500 0.5 0843 1.3 1145 0.9 1402 1.1 1736 0.5 2100 1.2	04 SEG	0226 1.5 0854 0.3 1217 0.7 1523 1.1 1854 0.5 2239 1.2	20 QUA	0556 0.2 1023 1.4 1830 0.5 2238 1.4	04 QUA	0308 0.5 0904 1.3 1254 0.7 1543 1.0 1858 0.6 2258 1.3	20 SEX	0219 0.7 0336 0.7 0656 0.3 1115 1.3 1856 0.6 2315 1.4
05 QUI	0311 1.1 0604 0.7 0853 1.1 1151 0.6 1502 1.3 1826 0.5 2134 1.0	21 SAB	0256 0.9 0545 0.6 0921 1.2 1226 0.9 1415 1.0 1753 0.5 2119 1.2	05 SAB	0021 0.5 0324 0.8 0536 0.7 0854 1.1 1158 0.7 1511 1.3 1851 0.5 2209 1.1	21 SEG	0015 0.6 0238 0.8 0539 0.3 0947 1.4 1254 1.1 1411 1.1 1809 0.4 2200 1.3	05 TER	0428 0.4 0945 1.3 1323 0.8 1549 0.9 1909 0.5 2326 1.3	21 QUI	0645 0.2 1130 1.5 1851 0.5 2328 1.5	05 QUI	0411 0.4 1000 1.3 1417 0.7 1558 0.8 1908 0.6 2341 1.4	21 SAB	0439 0.7 0758 0.4 1219 1.4 1711 0.5
06 SEX	0047 0.5 0354 0.9 0638 0.7 0949 1.1 1239 0.7 1549 1.3 1921 0.5 2254 1.1	22 DOM	0049 0.6 0304 0.8 0606 0.4 1021 1.3 1834 0.4 2226 1.3	06 DOM	0221 0.6 0309 0.6 0526 0.6 0947 1.2 1256 0.8 1553 1.1 1924 0.5 2317 1.2	22 TER	0243 0.7 0613 0.1 1051 1.5 1851 0.4 2258 1.4	06 QUA	0502 0.2 1034 1.4 1913 0.5	22 SEX	0736 0.2 1232 1.6 1817 0.4	06 SEX	0453 0.3 1058 1.4 1851 0.5	22 DOM	0008 1.5 0426 0.7 0800 0.7 0900 1.4 1313 1.5 1754 0.3
07 SAB	0236 0.7 0408 0.6 0639 0.6 1038 1.2 1338 0.8 1628 1.2 2008 0.5	23 SEG	0641 0.2 1121 1.5 1911 0.3 2328 1.4	07 SEG	0515 0.4 1030 1.3 1408 0.9 1611 0.9 1954 0.5	23 QUA	0654 0.1 1153 1.6 1915 0.4 2353 1.5	07 QUI	0008 1.4 0534 0.1 1123 1.5 1826 0.5	23 SAB	0017 1.6 0839 0.3 1323 1.6 1806 0.3	07 SAB	0019 1.5 0526 0.2 1153 1.5 1745 0.4	23 SEG	0058 1.5 0513 0.6 0721 0.7 1004 0.5 1404 1.5 1839 0.2
08 DOM	0002 1.2 0536 0.4 1119 1.3 1458 0.9 1706 1.0 2049 0.5	24 TER	0709 0.1 1221 1.6 1949 0.3	08 TER	0009 1.3 0539 0.2 1115 1.4 1956 0.6	24 QUI	0736 0.1 1249 1.7 1919 0.4	08 SEX	0049 1.5 0602 0.0 1211 1.6 1806 0.3	24 DOM	0106 1.6 0549 0.4 0800 0.6 0958 0.5 1411 1.6 1839 0.2	08 DOM	0058 1.6 0600 0.2 1241 1.5 1802 0.2	24 TER	0149 1.6 0604 0.6 0847 0.8 1106 0.6 1456 1.5 1923 0.0
09 SEG	0056 1.4 0558 0.2 1202 1.4 2113 0.6	25 QUA	0024 1.5 0743 0.0 1317 1.8 2008 0.4	09 QUA	0054 1.5 0606 0.0 1202 1.5 1819 0.5	25 SEX	0043 1.6 0817 0.2 1341 1.7 1828 0.3	09 SAB	0121 1.6 0626 0.0 1300 1.6 1821 0.2	25 SEG	0156 1.6 0617 0.4 0906 0.7 1113 0.6 1500 1.5 1915 0.1	09 SEG	0138 1.6 0630 0.2 1324 1.6 1828 0.1	25 QUA	0236 1.6 0656 0.5 0956 0.9 1209 0.7 1547 1.5 2009 0.0
10 TER	0139 1.5 0630 0.0 1249 1.5 1817 0.6	26 QUI	0115 1.6 0806 0.1 1408 1.8 1911 0.4	10 QUI	0130 1.5 0634 -0.1 1251 1.6 1826 0.3	26 SAB	0132 1.7 0621 0.3 0938 0.4 1430 1.7 1853 0.2	10 DOM	0200 1.7 0654 0.0 1347 1.7 1847 0.1	26 TER	0247 1.6 0700 0.4 1004 0.9 1226 0.7 1553 1.4 2000 0.0	10 TER	0215 1.7 0702 0.2 1409 1.6 1902 0.1	26 QUI	0323 1.6 0741 0.4 1058 1.0 1313 0.8 1634 1.4 2056 0.0
11 QUA	0213 1.6 0702 -0.1 1336 1.5 1853 0.4	27 SEX	0204 1.7 0709 0.1 1500 1.8 1919 0.3	11 SEX	0202 1.6 0700 -0.1 1336 1.6 1851 0.2	27 DOM	0217 1.7 0649 0.2 0945 0.6 1119 0.5 1515 1.6 1923 0.1	11 SEG	0239 1.7 0719 0.1 1430 1.6 1913 0.0	27 QUA	0336 1.6 0745 0.3 1102 1.1 1339 0.7 1643 1.3 2049 0.0	11 QUA	0300 1.7 0736 0.3 1456 1.5 1938 0.0	27 SEX	0409 1.6 0821 0.3 1153 1.1 1417 0.8 1719 1.4 2139 0.0
12 QUI	0253 1.6 0732 -0.2 1423 1.6 1919 0.2	28 SAB	0256 1.7 0723 0.1 1009 0.4 1132 0.4 1551 1.8 1954 0.1	12 SAB	0241 1.6 0724 -0.1 1419 1.7 1913 0.1	28 SEG	0306 1.6 0717 0.2 1024 0.9 1243 0.6 1604 1.5 2004 0.0	12 TER	0315 1.6 0751 0.1 1511 1.6 1949 0.0	28 QUI	0421 1.5 0823 0.3 1156 1.2 1447 0.8 1734 1.2 2136 0.1	12 QUI	0349 1.7 0808 0.3 1547 1.5 2011 0.1	28 SAB	0458 1.6 0902 0.2 1238 1.2 1513 0.8 1808 1.3 2217 0.0
13 SEX	0323 1.6 0800 -0.2 1506 1.6 1953 0.1	29 DOM	0343 1.7 0756 0.1 1056 0.7 1254 0.5 1636 1.7 2026 0.0	13 DOM	0311 1.6 0753 -0.1 1502 1.7 1945 0.0	29 TER	0356 1.6 0758 0.2 1111 1.1 1353 0.7 1656 1.4 2051 0.0	13 QUA	0400 1.6 0815 0.2 1558 1.5 2019 0.0	29 SEX	0508 1.4 0906 0.3 1243 1.4 1547 0.7 1826 1.2 2221 0.2	13 SEX	0436 1.7 0847 0.4 1638 1.4 2056 0.1	29 DOM	0541 1.5 0947 0.2 1315 1.3 1608 0.8 1900 1.3 2302 0.1
14 SAB	0358 1.6 0828 -0.1 1549 1.7 2017 0.0	30 SEG	0428 1.6 0828 0.2 1138 0.9 1400 0.5 1719 1.5 2106 0.0	14 SEG	0353 1.6 0815 0.0 1549 1.6 2011 -0.1	30 QUA	0445 1.5 0839 0.3 1202 1.3 1456 0.7 1749 1.3 2134 0.1	14 QUI	0447 1.6 0853 0.3 1649 1.4 2100 0.0	30 SAB	0556 1.4 0953 0.3 1323 1.4 1639 0.7 1921 1.1 2311 0.3	14 SAB	0521 1.6 0919 0.5 1245 0.9 1417 0.9 1730 1.3 2139 0.2	30 SEG	0621 1.5 1019 0.2 1358 1.3 1658 0.7 1953 1.2 2349 0.3
15 DOM	0436 1.5 0858 0.0 1626 1.6 2053 0.0	31 QUI	0428 1.5 0847 0.1 1628 1.5 2049 -0.1	15 TER	0534 1.4 0917 0.3 1253 1.4 1558 0.6 1843 1.1 2217 0.2	31 QUI	0534 1.4 0917 0.3 1253 1.4 1558 0.6 1843 1.1 2217 0.2	15 SEX	0153 0.8 0534 1.5 0921 0.4 1245 1.0 1443 0.9 1743 1.3 2141 0.1	31 DOM	0106 0.6 0204 0.6 0609 1.6 1000 0.5 1308 1.0 1534 0.8 1826 1.2 2219 0.3	15 DOM	0054 0.6 0204 0.6 0609 1.6 1000 0.5 1308 1.0 1534 0.8 1826 1.2 2219 0.3	31 TER	0702 1.4 1100 0.3 1432 1.3 1741 0.7 2043 1.2
16 SEG	0058 1.2 0234 1.1 0508 1.4 0924 0.1 1702 1.6 2119 -0.1			16 QUA	0102 1.1 0200 1.1 0506 1.4 0911 0.2 1711 1.4 2119 0.0			16 SAB	0104 0.8 0253 0.7 0621 1.4 1000 0.6 1302 1.1 1547 0.8 1841 1.2 2219 0.3			16 SEG	0106 0.6 0306 0.5 0702 1.5 1043 0.6 1349 1.1 1628 0.8 1924 1.2 2306 0.4		