

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 SEG 0202 1.2 0900 0.3 1347 1.0 2109 0.1	17 QUA 0230 1.2 0706 0.4 1458 1.2 2108 0.0	01 QUI 0313 1.2 1041 0.5 1504 1.1 2241 0.1	17 SAB 0326 1.2 0811 0.4 1600 1.2 2223 0.1	01 QUI 0215 1.2 0900 0.4 1408 1.1 2124 0.0	17 SAB 0228 1.2 0749 0.3 1502 1.3 2124 0.0	01 DOM 0300 1.2 0706 0.3 1504 1.2 2223 0.3	17 TER 0302 1.2 0741 0.3 1556 1.2 2243 0.3
Z				Z	&		
02 TER 0249 1.2 1002 0.4 1434 1.0 2204 0.1	18 QUI 0306 1.2 0741 0.4 1539 1.1 2153 0.0	02 SEX 0354 1.2 0741 0.5 1147 0.6 1549 1.1 2013 0.3 2058 0.3 2338 0.2	18 DOM 0400 1.2 0836 0.4 1639 1.2 2302 0.2	02 SEX 0254 1.2 0832 0.5 1453 1.2 2208 0.1	18 DOM 0300 1.2 0806 0.3 1543 1.3 2204 0.1	02 SEG 0341 1.1 0741 0.2 1547 1.2 1951 0.4	18 QUA 0347 1.1 0754 0.2 1630 1.2 2054 0.5 2202 0.5
03 QUA 0330 1.2 1119 0.5 1513 1.0 1913 0.3 2026 0.3 2304 0.2	19 SEX 0345 1.2 0811 0.4 1613 1.1 2238 0.1	03 SAB 0430 1.2 0804 0.4 1212 0.7 1249 0.7 1623 1.1 2028 0.3 2251 0.4	19 SEG 0434 1.2 0854 0.4 1711 1.1 2153 0.3 2258 0.3	03 SAB 0328 1.2 0724 0.4 1524 1.2 2258 0.2	19 SEG 0336 1.2 0813 0.3 1613 1.2 2249 0.2	03 TER 0413 1.1 0813 0.2 1617 1.2 2011 0.3 2332 0.6	19 QUI 0000 0.5 0424 1.0 0811 0.2 1102 0.5 1232 0.4 1704 1.1 2054 0.6 2304 0.7
04 QUI 0408 1.2 0743 0.6 0956 0.7 1236 0.6 1558 1.0 1956 0.3 2154 0.3	20 SAB 0415 1.2 0845 0.4 1658 1.1 2324 0.2	04 DOM 0053 0.3 0504 1.1 0843 0.3 1221 0.8 1353 0.7 1704 1.1 2100 0.3 2356 0.5	20 TER 0009 0.3 0508 1.1 0908 0.4 1253 1.0 2158 0.4 2349 0.4	04 DOM 0404 1.2 0756 0.3 1602 1.2 2013 0.3 2253 0.4	20 TER 0408 1.2 0823 0.3 1653 1.1 2123 0.4 2251 0.4 2358 0.4	04 QUA 0124 0.6 0456 1.0 0854 0.2 1658 1.1 2047 0.4	20 SEX 0151 0.5 0508 0.9 0847 0.2 1138 0.5 1343 0.4 1749 1.0 2100 0.6 2351 0.8
05 SEX 0011 0.2 0453 1.1 0806 0.5 1106 0.8 1343 0.7 1645 1.0 2032 0.3 2302 0.4	21 DOM 0453 1.1 0906 0.4 1309 0.7 1743 1.0	05 SEG 0204 0.4 0549 1.0 0917 0.3 1309 0.8 1456 0.7 1753 1.0 2134 0.3	21 QUA 0147 0.4 0553 1.0 0934 0.4 1302 0.7 1453 0.6 1828 0.9 2204 0.5	05 SEG 0011 0.4 0445 1.1 0828 0.2 1645 1.2 2041 0.3 2349 0.6	21 QUA 0451 1.1 0845 0.3 1723 1.1 2119 0.5 2324 0.5	05 QUI 0002 0.8 0238 0.6 0532 0.9 0926 0.2 1738 1.0 2111 0.4	21 SAB 0304 0.5 0558 0.8 0915 0.3 1209 0.6 1453 0.4 1836 0.9 2111 0.7
06 SAB 0128 0.3 0526 1.0 0847 0.5 1209 0.9 1451 0.7 1726 1.0 2109 0.3	22 SEG 0038 0.3 0528 1.1 0928 0.5 1321 0.7 1508 0.7 1821 0.9 2349 0.4	06 TER 0039 0.6 0306 0.5 0623 0.9 1002 0.3 1354 0.8 1554 0.7 1841 0.9 2206 0.4	22 QUI 0000 0.6 0300 0.4 0639 0.9 1004 0.4 1313 0.7 1556 0.5 1911 0.9 2209 0.6	06 TER 0147 0.5 0517 1.0 0906 0.2 1721 1.1 2108 0.3	22 QUI 0147 0.5 0532 1.0 0906 0.3 1213 0.6 1402 0.5 1802 1.0 2126 0.6	06 SEX 0039 0.6 0330 0.9 0608 0.8 1008 0.3 1813 0.9 2151 0.5	22 DOM 0019 1.0 0406 0.5 0654 0.7 1000 0.4 1254 0.6 1556 0.3 1932 0.8 2126 0.7
07 DOM 0000 0.5 0236 0.4 0606 0.9 0924 0.4 1306 0.9 1551 0.7 1813 0.9 2154 0.3	23 TER 0158 0.3 0609 1.0 0958 0.5 1323 0.7 1600 0.6 1906 0.9 2258 0.5	07 QUA 0113 0.8 0404 0.4 0708 0.8 1054 0.4 1419 0.7 1639 0.6 1928 0.9 2247 0.5	23 SEX 0036 0.7 0404 0.4 0730 0.9 1047 0.4 1345 0.7 1649 0.4 2008 0.8 2206 0.7	07 QUA 0019 0.7 0253 0.5 0558 0.9 0949 0.2 1804 1.0 2143 0.4	23 SEX 0000 0.7 0302 0.5 0611 0.9 0943 0.3 1251 0.6 1515 0.5 1853 0.9 2138 0.7	07 SAB 0106 0.9 0415 0.5 0700 0.8 1058 0.4 1343 0.4 1900 0.9 2215 0.6	23 SEG 0051 1.0 0500 0.4 0758 0.7 1053 0.5 1326 0.7 1653 0.2
08 SEG 0051 0.6 0334 0.4 0656 0.9 1013 0.4 1356 0.9 1638 0.7 1906 0.9 2234 0.4	24 QUA 0002 0.5 0304 0.3 0702 1.0 1028 0.5 1334 0.7 1639 0.5 1958 0.8 2319 0.6	08 QUI 0154 0.8 0500 0.5 0804 0.8 1151 0.5 1447 0.6 1706 0.5 2023 0.8 2324 0.6	24 SAB 0053 0.9 0504 0.3 0832 0.8 1126 0.5 1406 0.7 1728 0.3	08 QUI 0058 0.8 0351 0.5 0643 0.8 1028 0.3 1856 0.9 2209 0.4	24 SAB 0024 0.9 0404 0.4 0706 0.8 1015 0.4 1315 0.7 1615 0.4 1953 0.8 2143 0.7	08 DOM 0139 0.9 0502 0.5 0802 0.7 1536 0.4 1954 0.8 2245 0.7	24 TER 0106 1.0 0549 0.4 0908 0.7 1200 0.6 1356 0.7 1741 0.2
09 TER 0130 0.7 0424 0.4 0749 0.8 1109 0.5 1438 0.8 1709 0.6 2002 0.9 2315 0.5	25 QUI 0408 0.3 0800 0.9 1111 0.6 1354 0.7 1708 0.4 2100 0.8 2347 0.8	09 SEX 0228 0.8 0553 0.5 0943 0.8 1915 0.8 1736 0.4 2134 0.8	25 DOM 0102 1.0 0602 0.3 0943 0.8 1219 0.6 1434 0.7 1811 0.1	09 SEX 0128 0.9 0441 0.5 0728 0.8 1117 0.4 1415 0.5 1804 0.5 1947 0.8 2251 0.6	25 DOM 0053 1.0 0502 0.4 0808 0.7 1100 0.5 1353 0.7 1708 0.2	09 SEG 0200 0.9 0549 0.4 0913 0.8 1634 0.3 2100 0.8 2224 0.8	25 QUA 0049 1.0 0621 0.4 1021 0.8 1824 0.1
10 QUA 0208 0.7 0515 0.4 0854 0.8 1205 0.9 1504 0.7 1749 0.5 2104 0.9	26 SEX 0508 0.3 0902 0.9 1204 0.6 1413 0.7 1753 0.3	10 SAB 0034 0.7 0302 0.8 0634 0.4 1038 0.8 1754 0.3 2304 0.9	26 SEG 0113 1.1 0654 0.3 1102 0.8 1900 0.0	10 SAB 0200 0.9 0523 0.5 0834 0.7 1643 0.4 2045 0.8 2328 0.7	26 SEG 0106 1.1 0556 0.3 0923 0.7 1158 0.6 1409 0.7 1758 0.1	10 TER 0053 0.8 0621 0.4 1030 0.8 1717 0.2	26 QUI 0030 1.0 0656 0.4 1126 0.9 1909 0.1
11 QUI 0015 0.6 0254 0.7 0604 0.4 1004 0.8 1404 0.5 1511 0.6 1804 0.4 2213 0.9	27 SAB 0021 0.9 0606 0.2 1006 0.9 1319 0.7 1430 0.7 1830 0.2	11 DOM 0221 0.7 0338 0.8 0708 0.4 1149 0.9 1817 0.2	27 TER 0128 1.2 0741 0.3 1232 0.9 1951 0.0	11 DOM 0232 0.9 0606 0.4 0954 0.8 1711 0.3 2241 0.9	27 TER 0106 1.1 0641 0.3 1051 0.8 1847 0.0	11 QUA 0009 0.9 0656 0.3 1134 0.9 1802 0.1	27 SEX 0051 1.1 0713 0.4 1226 1.0 1958 0.2
12 SEX 0147 0.7 0336 0.7 0653 0.4 1115 0.9 1821 0.3 2324 1.0	28 DOM 0056 1.1 0702 0.2 1119 0.9 1913 0.1	12 SEG 0008 1.0 0751 0.4 1243 1.0 1853 0.1	28 QUA 0151 1.2 0819 0.3 1326 1.0 2039 0.0	12 SEG 0651 0.4 1111 0.9 1753 0.2	28 QUA 0106 1.1 0715 0.3 1208 0.9 1930 0.0	12 QUI 0038 1.1 0715 0.3 1228 1.1 1851 0.0	28 SAB 0117 1.2 0628 0.4 1317 1.1 2045 0.2
13 SAB 0304 0.7 0408 0.7 0726 0.4 1213 1.0 1838 0.2	29 SEG 0126 1.2 0756 0.2 1239 0.9 2004 0.0	13 TER 0056 1.1 0817 0.4 1324 1.1 1932 0.0		13 TER 0008 1.0 0719 0.3 1211 1.0 1830 0.1	29 QUI 0121 1.2 0753 0.4 1304 1.0 2013 0.0	13 SEX 0058 1.1 0730 0.3 1315 1.1 1938 0.0	29 DOM 0156 1.2 0619 0.3 1402 1.2 2123 0.3
14 DOM 0017 1.0 0454 0.6 0802 0.4 1300 1.0 1902 0.1	30 TER 0202 1.2 0847 0.3 1339 1.0 2058 0.0	14 QUA 0139 1.2 0847 0.4 1402 1.2 2013 0.0		14 QUA 0051 1.1 0754 0.3 1300 1.1 1909 0.0	30 SEX 0153 1.2 0804 0.4 1351 1.1 2100 0.1	14 SAB 0123 1.2 0734 0.3 1400 1.2 2021 0.0	30 SEG 0236 1.1 0653 0.2 1449 1.2 1806 0.4 2006 0.5 2202 0.4
15 SEG 0102 1.1 0839 0.4 1345 1.1 1941 0.0	31 QUA 0241 1.3 0939 0.4 1423 1.1 2151 0.0	15 QUI 0215 1.2 0741 0.4 1447 1.2 2058 0.0		15 QUI 0123 1.2 0808 0.3 1347 1.2 1956 0.0	31 SAB 0223 1.2 0645 0.4 1428 1.2 2145 0.2	15 DOM 0153 1.2 0739 0.3 1445 1.3 2106 0.1	
16 TER 0149 1.2 0904 0.5 1419 1.1 2024 0.0		16 SEX 0253 1.2 0751 0.4 1521 1.2 2143 0.0		16 SEX 0156 1.2 0753 0.3 1423 1.2 2043 0.0		16 SEG 0224 1.2 0741 0.3 1517 1.3 2153 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 TER	0309 1.1 0728 0.1 1523 1.2 1919 0.4	17 QUI	0317 1.0 0719 0.2 0943 0.4 1113 0.3 1615 1.2	01 SEX	0402 1.0 0936 0.2 1615 1.1 2015 0.5 2349 0.7	17 DOM	0151 0.6 0443 0.9 0809 0.3 1024 0.4 1308 0.2 1728 1.1 2047 0.6 2353 0.9	01 DOM	0421 1.0 1053 0.1 1632 1.2 2054 0.4	17 TER	0002 0.8 0234 0.7 0508 0.9 0854 0.3 1102 0.5 1353 0.4 1754 1.0 2113 0.4	01 QUA	0104 0.7 0221 0.7 0524 1.0 1209 0.2 1713 1.1 2132 0.4	17 SEX	0121 0.8 0345 0.7 0615 0.9 0951 0.4 1300 0.7 1549 0.5 1851 0.9 2217 0.3
02 QUA	0353 1.0 0808 0.2 1600 1.2 1954 0.4 2311 0.7	18 SEX	0002 0.5 0402 0.9 0753 0.2 1051 0.4 1223 0.3 1658 1.1 2026 0.7 2253 0.8	02 SAB	0149 0.7 0447 0.9 1108 0.2 1651 1.1 2054 0.5	18 SEG	0300 0.6 0528 0.8 0858 0.3 1115 0.5 1406 0.3 1808 1.0 2113 0.6	02 SEG	0024 0.7 0206 0.7 0504 1.0 1149 0.2 1700 1.1 2119 0.4	18 QUA	0051 0.9 0324 0.7 0558 0.9 0932 0.4 1208 0.5 1454 0.4 1832 0.9 2156 0.4	02 QUI	0115 0.7 0309 0.7 0806 0.9 1300 0.3 1753 1.1 2151 0.4	18 SAB	0156 0.8 0421 0.6 0708 0.9 1030 0.7 1353 0.8 1653 0.5 1936 0.8 2300 0.4
03 QUI	0100 0.6 0428 1.0 0847 0.2 1638 1.1 2023 0.4 2351 0.8	19 SAB	0156 0.6 0454 0.9 0821 0.2 1100 0.5 1323 0.3 1739 1.0 2049 0.7 2347 0.9	03 DOM	0011 0.8 0251 0.6 0524 0.9 1206 0.2 1719 1.1 2121 0.5	19 TER	0041 1.0 0356 0.6 0617 0.8 0947 0.4 1211 0.5 1508 0.3 1856 0.9 2156 0.5	03 TER	0054 0.8 0304 0.8 0554 0.9 1239 0.2 1734 1.1 2147 0.5	19 QUI	0126 0.9 0409 0.8 0653 0.9 1015 0.4 1311 0.6 1600 0.4 1911 0.8 2236 0.4	03 SEX	0121 0.7 0354 0.6 0654 0.8 1402 0.4 1836 1.0 2208 0.5	19 DOM	0215 0.7 0500 0.5 0808 0.8 1113 0.5 1432 0.9 1747 0.5 2034 0.7
04 SEX	0213 0.6 0504 0.9 0923 0.3 1708 1.1 2058 0.4	20 DOM	0306 0.6 0547 0.8 0902 0.3 1147 0.5 1424 0.3 1821 0.9 2108 0.7	04 SEG	0049 0.8 0341 0.6 0611 0.8 1300 0.3 1756 1.0 2151 0.5	20 QUA	0121 1.0 0443 0.6 0711 0.8 1043 0.4 1313 0.6 1609 0.4 1947 0.8 2239 0.6	04 QUA	0108 0.8 0356 0.6 0647 0.8 1326 0.3 1811 1.0 2202 0.5	20 SEX	0202 0.9 0458 0.6 0749 0.8 1106 0.5 1406 0.7 1702 0.5 2004 0.8 2323 0.5	04 SAB	0121 0.7 0417 0.5 0745 0.8 1528 0.4 1919 0.9 2241 0.5	20 SEG	0004 0.5 0213 0.6 0526 0.4 0931 0.8 1206 0.6 1506 0.9 1830 0.5 2247 0.7
05 SAB	0017 0.9 0309 0.6 0553 0.8 1215 0.3 1747 1.0 2128 0.5	21 SEG	0024 1.0 0404 0.5 0641 0.7 0953 0.4 1230 0.6 1532 0.3 1911 0.8 2143 0.7	05 TER	0108 0.8 0419 0.5 0709 0.8 1400 0.3 1839 0.9 2206 0.6	21 QUI	0202 0.9 0515 0.5 0813 0.8 1145 0.5 1409 0.6 1708 0.4 2051 0.8 2353 0.6	05 QUI	0123 0.8 0434 0.5 0739 0.8 1428 0.3 1900 1.0 2221 0.6	21 SAB	0241 0.7 0534 0.5 0849 0.8 1158 0.5 1456 0.8 1800 0.5 2121 0.7	05 DOM	0130 0.7 0451 0.4 0843 0.8 1647 0.4 2013 0.9 2311 0.6	21 TER	0549 0.3 1019 0.9 1309 0.7 1547 0.8 1911 0.4
06 DOM	0054 0.9 0400 0.5 0641 0.8 1326 0.3 1821 0.9 2158 0.6	22 TER	0102 1.0 0456 0.5 0743 0.7 1053 0.5 1313 0.6 1630 0.3 2015 0.8 2206 0.7	06 QUA	0124 0.8 0500 0.5 0815 0.8 1504 0.3 1924 0.9 2219 0.7	22 SEX	0245 0.8 0554 0.5 0913 0.9 1243 0.6 1500 0.7 1804 0.4 2239 0.8	06 SEX	0121 0.8 0500 0.5 0839 0.8 1545 0.3 1954 0.9 2256 0.7	22 DOM	0111 0.6 0256 0.6 0600 0.4 0937 0.8 1253 0.6 1536 0.8 1854 0.5 2321 0.8	06 SEG	0147 0.7 0521 0.3 1024 0.8 1749 0.4 2124 0.8	22 QUA	0000 0.9 0604 0.2 1134 0.9 1500 0.7 1602 0.8 1956 0.4
07 SEG	0115 0.9 0447 0.5 0741 0.7 1439 0.3 1906 0.9 2213 0.7	23 QUA	0138 0.9 0536 0.5 0851 0.8 1202 0.6 1358 0.6 1721 0.3	07 QUI	0111 0.8 0534 0.4 0921 0.8 1613 0.3 2023 0.9 2249 0.8	23 SAB	0615 0.4 0919 0.9 1343 0.6 1547 0.7 1858 0.4 2349 0.9	07 SAB	0117 0.8 0521 0.4 0939 0.8 1654 0.3 2054 0.9 2347 0.7	23 SEG	0615 0.3 1045 0.9 1354 0.7 1606 0.8 1939 0.5	07 TER	0009 0.7 0147 0.7 0602 0.2 1254 1.0 1845 0.3 2315 0.8	23 QUI	0038 1.0 0634 0.1 1249 1.0 2028 0.4
08 TER	0138 0.9 0521 0.4 0853 0.8 1551 0.3 2002 0.9 2215 0.8	24 QUI	0026 0.8 0604 0.4 0951 0.9 1809 0.3 2345 0.9	08 SEX	0041 0.8 0558 0.4 1021 0.9 1711 0.3 2145 0.9 2349 0.9	24 DOM	0638 0.4 1108 0.9 1454 0.6 1621 0.7 1949 0.4	08 DOM	0102 0.8 0549 0.3 1041 0.9 1756 0.3 2211 0.9	24 TER	0013 0.9 0630 0.2 1153 0.9 1513 0.7 1649 0.7 2017 0.4	08 QUA	0651 0.1 1341 1.1 1939 0.3	24 SEX	0108 1.1 0704 0.0 1343 1.1 2100 0.4
09 QUA	0106 0.8 0600 0.4 0958 0.8 1651 0.2 2121 0.9 2200 0.8	25 SEX	0636 0.4 1047 0.9 1900 0.3	09 SAB	0613 0.3 1119 1.0 1806 0.2 2330 1.0	25 SEG	0032 1.0 0634 0.3 1213 1.0 1608 0.6 1702 0.7 2030 0.4	09 SEG	0619 0.2 1211 1.0 1854 0.3 2339 0.9	25 QUA	0056 1.0 0649 0.1 1302 1.0 2058 0.4	09 QUI	0028 0.9 0736 0.0 1411 1.2 2030 0.3	25 SAB	0147 1.2 0745 0.0 1421 1.1 2109 0.4
10 QUI	0015 0.9 0624 0.3 1058 0.9 1741 0.2	26 SAB	0013 1.0 0649 0.4 1145 1.0 1949 0.3	10 DOM	0639 0.3 1223 1.0 1900 0.2	26 TER	0108 1.1 0636 0.2 1317 1.0 1719 0.6 2108 0.5	10 TER	0700 0.2 1324 1.1 1951 0.2	26 QUI	0132 1.1 0717 0.1 1358 1.1 2124 0.5	10 SEX	0113 1.0 0823 0.0 1449 1.2 2117 0.3	26 DOM	0221 1.2 0823 0.0 1458 1.2 1939 0.4
11 SEX	0017 1.0 0647 0.3 1154 1.0 1828 0.1	27 DOM	0054 1.1 0534 0.3 1247 1.0 2034 0.4	11 SEG	0011 1.0 0708 0.2 1323 1.1 1958 0.2	27 QUA	0149 1.1 0713 0.1 1408 1.1 1813 0.6 1902 0.6 2145 0.5	11 QUA	0036 1.0 0749 0.1 1413 1.2 2047 0.3	27 SEX	0204 1.1 0756 0.0 1445 1.1 2143 0.5	11 SAB	0158 1.1 0919 0.0 1511 1.3 2200 0.4	27 SEG	0300 1.2 0906 0.0 1526 1.2 2009 0.3
12 SAB	0028 1.1 0658 0.3 1251 1.1 1915 0.1	28 SEG	0130 1.1 0611 0.2 1343 1.1 2113 0.4	12 TER	0053 1.1 0753 0.2 1411 1.2 2054 0.2	28 QUI	0223 1.1 0754 0.1 1456 1.1 1902 0.5 2047 0.6 2200 0.5	12 QUI	0119 1.0 0841 0.1 1458 1.2 2138 0.3	28 SAB	0245 1.1 0841 0.0 1515 1.2 1945 0.4	12 DOM	0245 1.1 1028 0.0 1547 1.2 2224 0.5	28 TER	0345 1.2 0954 0.1 1554 1.2 2036 0.3
13 DOM	0047 1.1 0717 0.3 1341 1.2 2004 0.1	29 TER	0206 1.1 0649 0.1 1426 1.1 1956 0.5 2154 0.5	13 QUA	0134 1.1 0847 0.2 1458 1.2 2147 0.3	29 SEX	0300 1.1 0847 0.1 1532 1.2 1941 0.5	13 SEX	0206 1.0 0945 0.1 1534 1.2 2224 0.4	29 DOM	0321 1.1 0934 0.0 1551 1.2 2017 0.4	13 SEG	0323 1.1 1138 0.1 1615 1.2 2004 0.5	29 QUA	0419 1.1 1053 0.2 1621 1.2 2056 0.3
14 SEG	0117 1.2 0745 0.2 1421 1.2 2056 0.2	30 QUA	0249 1.1 0734 0.1 1506 1.2 1904 0.5	14 QUI	0215 1.0 0956 0.2 1539 1.2 2241 0.4	30 SAB	0343 1.0 0949 0.1 1602 1.2 2017 0.4	14 SAB	0256 1.0 1054 0.1 1604 1.2 2323 0.6	30 SEG	0402 1.1 1028 0.1 1615 1.2 2051 0.4	14 TER	0404 1.1 0804 0.3 0959 0.4 1238 0.2 1654 1.1 2030 0.4	30 QUI	0500 1.1 1153 0.3 1654 1.1 2109 0.3
15 TER	0154 1.2 0821 0.3 1502 1.2 2149 0.3	31 QUI	0323 1.0 0824 0.1 1547 1.2 1943 0.5	15 SEX	0302 1.0 0704 0.3 0851 0.3 1108 0.2 1611 1.2 2356 0.6	15 SEX	0345 1.0 0739 0.3 0900 0.3 1158 0.1 1641 1.2 2017 0.6 2300 0.7	15 DOM	0345 1.0 0739 0.3 0900 0.3 1158 0.1 1641 1.2 2017 0.6 2300 0.7	31 TER	0449 1.0 1123 0.1 1645 1.2 2111 0.4	15 QUA	0021 0.8 0147 0.8 0453 1.1 0836 0.3 1100 0.5 1336 0.3 1726 1.1 2104 0.3	31 SEX	0538 1.0 0947 0.4 1100 0.4 1253 0.4 1730 1.1 2126 0.3
16 QUA	0236 1.1 0706 0.3 0941 0.3 1543 1.2 2243 0.4			16 SAB	0354 0.9 0738 0.3 0943 0.4 1211 0.2 1653 1.1 2019 0.7 2243 0.8	16 SAB	0108 0.7 0426 1.0 0808 0.3 1002 0.4 1254 1.1 1711 1.1 2045 0.5	16 SEG	0108 0.7 0426 1.0 0808 0.3 1002 0.4 1254 1.1 1711 1.1 2045 0.5			16 QUI	0054 0.8 0254 0.7 0534 1.0 0908 0.3 1202 0.6 1441 0.4 1804 1.0 2145 0.2		

Setembro			Outubro			Novembro			Dezembro						
HORA	ALT (m)		HORA	ALT (m)		HORA	ALT (m)		HORA	ALT (m)					
01	0111 0.7 0253 0.6 0608 0.9 1006 0.5 1147 0.5 1404 0.5 1809 1.0 2154 0.3	17 SEG	0158 0.6 0409 0.5 0734 0.8 1041 0.5 1404 0.9 1719 0.5 2000 0.7 2313 0.5	01 SEG	0041 0.6 0300 0.5 0623 0.9 0915 0.7 1200 0.8 1541 0.5 1845 0.8 2158 0.3	17 QUA	0049 0.5 0339 0.4 0753 0.8 1058 0.6 1413 0.9 1745 0.5 2051 0.7	01 QUI	0102 0.7 0423 0.2 1258 1.0 1724 0.4 2026 0.7 2302 0.6	17 SAB	0436 0.3 0923 0.9 1821 0.4 2251 0.9	01 SAB	0126 0.7 0500 0.2 0923 0.8 1138 0.8 1415 0.8 1753 0.5 2108 0.8	17 SEG	0500 0.3 0923 0.9 1808 0.4 2309 1.0
02	0104 0.7 0339 0.6 0656 0.8 1013 0.6 1202 0.6 1534 0.5 1900 0.9 2215 0.4	18 TER	0128 0.6 0441 0.4 0839 0.8 1134 0.6 1445 0.9 1804 0.5 2124 0.7	02 TER	0100 0.7 0356 0.4 0724 0.8 1041 0.7 1224 0.9 1647 0.5 1939 0.7 2228 0.4	18 QUI	0419 0.3 0908 0.8 1213 0.7 1447 0.8 1854 0.4 2230 0.8	02 SEX	0124 0.7 0511 0.1 1253 1.0 1804 0.4 2156 0.8	18 DOM	0523 0.2 1032 0.9 1849 0.4 2343 1.0	02 DOM	0149 0.7 0553 0.2 1038 0.9 1819 0.4 2224 0.9	18 TER	0554 0.2 1021 1.0 1830 0.3
03	0115 0.7 0417 0.4 0758 0.8 1002 0.7 1223 0.8 1647 0.4 1956 0.8 2254 0.5	19 QUA	0502 0.3 0953 0.8 1251 0.7 1508 0.8 1849 0.4 2330 0.8	03 QUA	0119 0.7 0447 0.3 1251 1.0 1738 0.4 2049 0.7 2302 0.6	19 SEX	0502 0.2 1038 0.9 1854 0.4 2332 1.0	03 SAB	0602 0.1 1200 1.0 1841 0.4 2317 0.9	19 SEG	0606 0.1 1126 1.0 1858 0.3	03 SEG	0641 0.2 1132 0.9 1851 0.4 2332 1.0	19 QUA	0002 1.1 0643 0.2 1119 1.0 1858 0.2
04	0141 0.7 0502 0.3 1249 0.9 1743 0.4 2100 0.7 2323 0.6	20 QUI	0536 0.2 1111 0.9 1919 0.4	04 QUI	0141 0.7 0532 0.1 1300 1.0 1817 0.3 2247 0.8	20 SAB	0547 0.1 1143 1.0 1917 0.4	04 DOM	0651 0.1 1219 1.0 1906 0.4	20 TER	0024 1.1 0653 0.1 1211 1.1 1908 0.3	04 TER	0721 0.3 1219 1.0 1902 0.3	20 QUI	0051 1.1 0726 0.2 1217 1.1 1938 0.2
05	0156 0.7 0551 0.2 1309 1.0 1834 0.3 2321 0.8	21 SEX	0006 1.0 0606 0.1 1221 1.0 1956 0.4	05 SEX	0615 0.0 1300 1.1 1900 0.3	21 DOM	0009 1.1 0626 0.1 1230 1.1 1938 0.4	05 SEG	0006 1.1 0732 0.1 1258 1.1 1930 0.4	21 QUA	0104 1.2 0734 0.2 1254 1.1 1930 0.2	05 QUA	0019 1.1 0804 0.3 1304 1.1 1811 0.3	21 SEX	0134 1.2 0809 0.2 1311 1.1 2024 0.1
06	0636 0.0 1334 1.1 1921 0.3	22 SAB	0045 1.1 0647 0.0 1308 1.1 2019 0.4	06 SAB	0002 0.9 0702 0.0 1309 1.1 1941 0.4	22 SEG	0053 1.2 0702 0.1 1304 1.1 1919 0.3	06 TER	0051 1.2 0811 0.2 1338 1.1 1802 0.3	22 QUI	0149 1.2 0809 0.2 1339 1.1 1947 0.2	06 QUI	0104 1.1 0853 0.4 1353 1.1 1828 0.2	22 SAB	0215 1.2 0902 0.3 1402 1.1 2115 0.1
07	0026 0.9 0717 0.0 1356 1.2 2008 0.3	23 DOM	0117 1.2 0723 0.0 1351 1.1 2015 0.4	07 DOM	0043 1.1 0751 0.0 1341 1.2 2009 0.4	23 TER	0130 1.3 0743 0.1 1341 1.2 1908 0.3	07 QUA	0130 1.2 0902 0.3 1413 1.1 1824 0.2	23 SEX	0228 1.2 0851 0.3 1419 1.1 1911 0.2	07 SEX	0153 1.2 0600 0.5 0802 0.5 0949 0.5 1434 1.1 1917 0.1	23 DOM	0300 1.2 1004 0.4 1451 1.1 1954 0.3 2211 0.1
08	0102 1.0 0804 0.0 1415 1.2 2053 0.4	24 SEG	0158 1.3 0800 0.0 1423 1.2 1921 0.3	08 SEG	0115 1.2 0834 0.1 1408 1.2 1928 0.4	24 QUA	0208 1.3 0815 0.1 1411 1.2 1921 0.2	08 QUI	0209 1.2 0623 0.4 0843 0.5 1019 0.5 1456 1.1 1904 0.1	24 SAB	0308 1.2 0958 0.4 1500 1.1 1915 0.2	08 SAB	0236 1.2 0634 0.4 0924 0.6 1106 0.6 1506 1.1 2011 0.1	24 SEG	0347 1.2 1123 0.5 1534 1.0 1932 0.3 2102 0.3 2315 0.2
09	0145 1.1 0858 0.0 1449 1.2 2119 0.4	25 TER	0239 1.3 0839 0.1 1454 1.2 1945 0.3	09 TER	0158 1.2 0926 0.2 1449 1.2 1847 0.3	25 QUI	0251 1.3 0823 0.2 1451 1.2 1932 0.2	09 SEX	0256 1.2 0654 0.4 0949 0.6 1149 0.5 1534 1.1 1947 0.1	25 DOM	0353 1.2 0802 0.5 0947 0.6 1136 0.5 1547 1.0 1945 0.2 2215 0.3	09 DOM	0315 1.2 0709 0.4 1019 0.7 1211 0.6 1549 1.0 2053 0.1	25 TER	0424 1.1 0804 0.6 1000 0.7 1245 0.6 1613 1.0 2004 0.3 2208 0.4
10	0221 1.2 0958 0.1 1513 1.2 1919 0.4	26 QUA	0313 1.3 0917 0.2 1521 1.2 2009 0.3	10 QUA	0239 1.2 0700 0.3 0853 0.4 1051 0.3 1521 1.1 1915 0.2	26 SEX	0328 1.2 0802 0.3 1524 1.2 1949 0.2	10 SAB	0339 1.1 0721 0.4 1032 0.7 1254 0.6 1606 1.0 2024 0.1	26 SEG	0432 1.1 0808 0.6 1106 0.6 1300 0.6 1626 0.9 2011 0.2 2302 0.4	10 SEG	0356 1.1 0753 0.4 1106 0.7 1308 0.7 1623 1.0 2139 0.2	26 QUA	0034 0.2 0504 1.1 0819 0.6 1106 0.8 1400 0.7 1700 0.9 2047 0.3 2308 0.5
11	0300 1.2 0841 0.3 1113 0.2 1553 1.2 1941 0.3	27 QUI	0356 1.2 0828 0.2 1554 1.2 2024 0.2	11 QUI	0315 1.2 0713 0.3 0958 0.5 1208 0.4 1558 1.1 1956 0.1	27 SAB	0404 1.2 0813 0.4 1017 0.5 1136 0.5 1602 1.1 2104 0.2	11 DOM	0415 1.1 0509 0.4 1113 0.8 1354 0.6 1651 0.9 2104 0.2	27 TER	0053 0.4 0949 1.0 0823 0.6 1108 0.8 1421 0.6 1711 0.9 2054 0.2 2345 0.5	11 TER	0434 1.1 0823 0.4 1154 0.8 1406 0.7 1702 0.9 2224 0.2	27 QUI	0151 0.3 0549 1.0 0854 0.6 1208 0.9 1508 0.7 1753 0.9 2119 0.3
12	0345 1.2 0745 0.3 1000 0.4 1221 0.3 1624 1.1 2011 0.2	28 SEX	0434 1.1 0847 0.3 1139 0.4 1628 1.1 2043 0.2	12 SEX	0400 1.1 0747 0.3 1049 0.7 1311 0.5 1638 1.0 2032 0.1	28 DOM	0445 1.1 0828 0.5 1054 0.6 1300 0.5 1647 1.0 2038 0.2	12 SEG	0456 1.0 0834 0.4 1200 0.9 1454 0.6 1730 0.9 2136 0.3	28 QUA	0206 0.4 0558 0.9 0853 0.6 1200 0.9 1539 0.6 1804 0.8 2128 0.3	12 QUA	0506 1.0 0900 0.4 1234 0.8 1536 0.7 1756 0.9 2224 0.3	28 SEX	0002 0.6 0254 0.3 0630 0.9 0932 0.5 1304 0.9 1606 0.6 1847 0.9 2202 0.4
13	0423 1.1 0808 0.3 1100 0.6 1323 0.4 1700 1.0 2051 0.2	29 SAB	0502 1.0 0902 0.4 1104 0.5 1254 0.5 1706 1.0 2102 0.2	13 SAB	0443 1.1 0811 0.3 1134 0.8 1411 0.6 1709 0.9 2108 0.2	29 SEG	0100 0.5 0102 0.5 0919 1.0 0845 0.6 1119 0.8 1423 0.6 1734 0.9 2104 0.2	13 TER	0534 1.0 0906 0.4 1245 0.9 1551 0.6 1815 0.8 2206 0.4	29 QUI	0015 0.6 0308 0.3 0653 0.8 0917 0.7 1251 0.9 1634 0.8 1902 0.8 2208 0.4	13 QUI	0545 1.0 0939 0.5 1308 0.8 1602 0.6 1849 0.8 2347 0.4	29 SAB	0053 0.7 0354 0.3 0719 0.8 1019 0.5 1356 0.9 1658 0.6 1939 0.8 2253 0.5
14	0154 0.7 0502 1.1 0845 0.3 1154 0.7 1426 0.5 1743 1.0 2123 0.2	30 DOM	0141 0.6 0543 0.9 0911 0.5 1138 0.6 1415 0.5 1754 0.9 2126 0.3	14 DOM	0519 1.0 0853 0.4 1215 0.9 1511 0.6 1756 0.8 2145 0.2	30 TER	0008 0.6 0234 0.4 0606 0.9 0858 0.7 1158 0.9 1545 0.6 1823 0.8 2145 0.3	14 QUA	0609 0.9 0949 0.5 1319 0.9 1638 0.5 1909 0.8 2243 0.5	30 SEX	0056 0.7 0404 0.3 0758 0.8 1002 0.8 1338 0.9 1711 0.5 2002 0.8 2302 0.5	14 SEX	0154 0.4 0624 0.9 1011 0.6 1345 0.8 1651 0.5 1945 0.8	30 DOM	0134 0.7 0451 0.3 0823 0.8 1124 0.6 1438 0.8 1736 0.5 2038 0.8 2345 0.6
15	0119 0.7 0256 0.7 0553 1.0 0913 0.4 1243 0.8 1536 0.6 1819 0.9 2200 0.2	31 SAB	0149 0.6 0543 0.9 0911 0.5 1138 0.6 1415 0.5 1754 0.9 2126 0.3	15 SEG	0602 0.9 0924 0.4 1300 0.9 1609 0.6 1845 0.8 2211 0.4	31 QUA	0039 0.7 0332 0.3 0706 0.8 0906 0.7 1230 0.9 1645 0.5 1919 0.7 2213 0.4	15 QUI	0002 0.5 0243 0.4 0702 0.9 1030 0.6 1356 0.9 1711 0.5 2011 0.8	31 SEG	C	0304 0.3 0715 0.9 1056 0.6 1402 0.8 1721 0.5 2047 0.8	31 SEG	0211 0.7 0547 0.3 0938 0.8 1254 0.6 1506 0.7 1802 0.4 2145 0.9	
16	0147 0.7 0345 0.6 0639 0.9 0956 0.4 1323 0.9 1634 0.6 1904 0.8 2238 0.4	DOM	C	16 TER	0253 0.5 0653 0.8 1006 0.5 1343 0.9 1700 0.5 1939 0.7 2254 0.5	C	C	0343 0.3 0806 0.8 1136 0.7 1419 0.8 1754 0.4 2130 0.8	16 SEX	C	0404 0.3 0817 0.9 1209 0.7 1356 0.7 1754 0.4 2158 0.9	16 DOM	C		