

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 QUA	0041 0.5 0241 1.5 0645 1.3 1019 0.6 1304 0.8 1523 0.7 1900 1.3 2300 0.6	17 SEX	0056 0.9 0358 0.3 0730 1.3 1043 0.6 1315 1.0 1617 0.4 1954 1.4 2304 0.6	01 SAB	0108 0.7 0353 0.5 0743 1.2 1111 0.6 1354 0.8 1619 0.6 2008 1.2 2347 0.8	17 SEG	0223 1.2 0539 0.5 0851 1.1 1202 0.6 1445 0.9 1754 0.3 2130 1.2	01 DOM	0100 0.7 0315 0.6 0702 1.2 1053 0.5 1347 0.8 1549 0.7 1939 1.2 2308 0.8	17 TER	0209 1.2 0517 0.6 0817 1.1 1147 0.5 1426 0.9 1734 0.3 2104 1.1 2353 0.8	01 QUA	0111 1.1 0500 0.5 0808 0.9 1102 0.6 1349 0.9 1708 0.4 2117 1.0 2251 1.0	17 SEX	0006 0.9 0254 1.1 0639 0.5 1019 1.1 1845 0.2 2323 1.1
02 QUI	0058 0.6 0336 0.5 0732 1.2 1058 0.7 1332 0.9 1609 0.6 1956 1.2 2336 0.7	18 SAB	0149 1.1 0456 0.3 0821 1.2 1126 0.6 1404 1.0 1711 0.3 2053 1.3 2356 0.8	02 DOM	0136 0.8 0451 0.5 0830 1.1 1151 0.7 1406 0.8 1711 0.6 2109 1.1	18 TER	0011 0.8 0306 1.2 0638 0.5 0958 1.1 1304 0.7 1508 0.8 1851 0.2 2254 1.1	02 SEG	0119 0.9 0423 0.6 0753 1.0 0958 1.1 1358 0.8 1649 0.6 2038 1.1 2313 0.9	18 QUA	0254 1.2 0613 0.6 0924 1.1 1239 0.7 1453 0.8 1824 0.2 2224 1.1	02 QUI	0145 1.3 0551 0.5 0913 0.9 1124 0.8 1404 1.0 1800 0.3	18 SAB	0717 0.5 1151 1.2 1924 0.2
03 SEX	0111 0.7 0424 0.4 0819 1.2 1141 0.7 1356 0.9 1700 0.6 2053 1.2	19 DOM	0234 1.1 0554 0.3 0917 1.1 1219 0.7 1451 1.0 1808 0.2 2200 1.2	03 SEG	0004 0.9 0139 1.0 0547 0.5 0930 1.0 1209 0.8 1406 0.9 1802 0.5	19 QUA	0109 1.0 0347 1.2 0736 0.5 1115 1.1 1406 0.9 1945 0.2	03 TER	0138 1.0 0521 0.5 0849 0.9 1111 0.5 1374 0.7 1404 0.9 1739 0.5 2206 1.0 2300 1.0	19 QUI	0038 1.0 0319 1.2 0708 0.5 1054 1.1 1915 0.2	03 SEX	0209 1.4 0632 0.4 1151 0.9 1428 1.1 1849 0.1	19 DOM	0034 1.3 0758 0.4 1253 1.4 2004 0.2
04 SAB	0019 0.8 0128 0.8 0513 0.4 0915 1.1 1221 0.8 1402 0.9 1747 0.5 2202 1.1	20 SEG	0051 0.9 0311 1.1 0654 0.3 1028 1.3 1345 0.8 1517 0.9 1904 0.2 2315 1.3	04 TER	0141 1.1 0638 0.4 1108 1.0 1354 0.9 1851 0.4	20 QUI	0017 1.2 0826 0.4 1234 1.3 2034 0.1	04 QUA	0154 1.2 0611 0.5 1002 0.9 1151 0.8 1415 1.0 1824 0.3	20 SEX	0002 1.2 0758 0.5 1215 1.3 2002 0.1	04 SAB	0238 1.4 0717 0.3 1330 1.1 1939 0.0	20 SEG	0113 1.4 0838 0.4 1332 1.6 2049 0.2
05 DOM	0604 0.4 1028 1.1 1828 0.4 2349 1.2	21 TER	0204 1.0 0354 1.1 0753 0.4 1147 1.2 2000 0.1	05 QUA	0151 1.3 0726 0.4 1304 1.1 1936 0.3	21 SEX	0115 1.4 0911 0.4 1326 1.5 2117 0.1	05 QUI	0215 1.3 0702 0.4 1426 1.0 1911 0.2	21 SAB	0102 1.3 0843 0.4 1309 1.5 2047 0.1	05 DOM	0224 1.4 0806 0.2 1311 1.3 2032 -0.1	21 TER	0151 1.5 0913 0.3 1406 1.7 2132 0.2
06 SEG	0654 0.4 1202 1.1 1909 0.4	22 QUA	0032 1.4 0849 0.4 1251 1.4 2056 0.1	06 QUI	0202 1.4 0815 0.3 1330 1.2 2023 0.2	22 SAB	0200 1.5 0954 0.4 1409 1.6 2158 0.1	06 SEX	0234 1.4 0751 0.3 1328 1.2 2002 0.1	22 DOM	0143 1.5 0917 0.4 1356 1.6 2126 0.1	06 SEG	0158 1.5 0858 0.1 1343 1.5 2124 -0.1	22 QUA	0219 1.6 0949 0.3 1443 1.7 2206 0.2
07 TER	0104 1.3 0745 0.4 1300 1.2 1953 0.3	23 QUI	0126 1.5 0939 0.4 1343 1.5 2145 0.1	07 SEX	0219 1.5 0902 0.3 1402 1.3 2113 0.0	23 DOM	0239 1.6 1030 0.4 1451 1.7 2238 0.1	07 SAB	0224 1.5 0838 0.2 1345 1.3 2056 0.0	23 SEG	0213 1.6 0954 0.3 1428 1.7 2202 0.1	07 TER	0211 1.5 0949 0.1 1413 1.7 2215 -0.1	23 QUI	0256 1.6 0819 0.3 1513 1.8 2238 0.3
08 QUA	0143 1.5 0836 0.3 1339 1.3 2039 0.2	24 SEX	0211 1.6 0613 0.8 0702 0.8 1021 0.4 1423 1.6 2224 0.1	08 SAB	0247 1.6 0953 0.2 1430 1.4 2204 0.0	24 SEG	0309 1.7 0847 0.5 1102 0.4 1523 1.7 2306 0.1	08 DOM	0228 1.5 0923 0.2 1408 1.5 2149 -0.1	24 TER	0249 1.6 1026 0.3 1502 1.8 2238 0.2	08 QUA	0243 1.6 1038 0.1 1454 1.8 2306 0.0	24 SEX	0328 1.6 0821 0.3 1556 1.7 2315 0.4
09 QUI	0217 1.6 0924 0.3 1411 1.4 2130 0.2	25 SAB	0256 1.7 0658 0.7 0811 0.7 1100 0.4 1504 1.7 2302 0.1	09 DOM	0308 1.6 1038 0.2 1500 1.5 2256 -0.1	25 TER	0347 1.7 0824 0.5 0956 0.5 1134 0.4 1600 1.8 2336 0.2	09 SEG	0247 1.6 1009 0.1 1439 1.6 2238 -0.1	25 QUA	0317 1.7 0824 0.4 0939 0.4 1047 0.4 1539 1.8 2256 0.2	09 QUI	0313 1.6 1121 0.1 1536 1.9 1936 0.6 2100 0.7	25 SAB	0404 1.5 0836 0.3 1636 1.6
10 SEX	0256 1.6 1009 0.3 1449 1.4 2219 0.1	26 DOM	0334 1.7 0741 0.6 0913 0.7 1141 0.5 1545 1.7 2343 0.2	10 SEG	0336 1.6 1121 0.2 1534 1.6 2347 0.0	26 QUA	0419 1.6 0858 0.4 1639 1.7 2215 0.3	10 TER	0308 1.6 1058 0.1 1509 1.8 2324 0.0	26 QUI	0356 1.7 0839 0.3 1613 1.7 2324 0.3	10 SEX	0000 0.2 0358 1.6 0754 0.4 0949 0.5 1208 0.2 1617 1.8 2006 0.5 2209 0.8	26 DOM	0006 0.5 0447 1.4 0902 0.3 1713 1.5 2134 0.6 2302 0.7
11 SAB	0324 1.6 1058 0.3 1515 1.5 2309 0.1	27 SEG	0408 1.6 0823 0.5 1015 0.6 1211 0.5 1619 1.7 2121 0.3 2239 0.3	11 TER	0404 1.6 1206 0.3 1609 1.7	27 QUI	0500 1.6 0921 0.4 1717 1.6 2206 0.4	11 QUA	0343 1.6 1147 0.2 1554 1.8 2004 0.6 2102 0.6	27 SEX	0432 1.6 0902 0.3 1656 1.7 2139 0.4 2347 0.5	11 SAB	0056 0.4 0439 1.6 0832 0.3 0956 0.5 1302 0.3 1704 1.7 2051 0.5 2317 0.9	27 SEG	0113 0.6 0521 1.3 0930 0.4 1211 0.6 1328 0.5 1800 1.4 2156 0.7 2353 0.8
12 DOM	0358 1.6 1149 0.3 1553 1.5	28 TER	0015 0.3 0449 1.6 0904 0.5 1121 0.6 1249 0.6 1700 1.6 2158 0.3	12 QUA	0038 0.1 0447 1.6 0823 0.7 1002 0.8 1300 0.3 1658 1.7 2054 0.5 2247 0.6	28 SEX	0541 1.5 0951 0.4 1802 1.5 2219 0.5	12 QUI	0013 0.1 0417 1.6 0808 0.5 0956 0.6 1236 0.3 1639 1.8 2030 0.5 2224 0.7	28 SAB	0508 1.5 0923 0.3 1739 1.5 2200 0.5	12 DOM	0156 0.5 0521 1.5 0911 0.2 1158 0.6 1402 0.4 1756 1.5 2128 0.5	28 TER	0228 0.6 0602 1.2 0958 0.4 1239 0.7 1447 0.5 1851 1.3 2204 0.8
13 SEG	0000 0.1 0428 1.5 1238 0.4 1630 1.5 2041 0.5 2156 0.5	29 QUA	0047 0.3 0526 1.5 0938 0.5 1219 0.7 1328 0.6 1747 1.5 2219 0.4	13 QUI	0132 0.2 0526 1.5 0902 0.5 1111 0.8 1356 0.4 1747 1.6 2124 0.5 2353 0.8	29 SAB	0038 0.6 0158 0.5 0619 1.3 1017 0.4 1319 0.7 1723 0.7 2106 0.5 2251 0.6	13 SEX	0108 0.3 0500 1.6 0851 0.4 1102 0.6 1326 0.4 1723 0.7 2106 0.5 2339 0.8	29 DOM	0002 0.6 0134 0.6 0553 1.3 0956 0.4 1349 0.6 1819 1.4 2217 0.6	13 SEG	0017 1.0 0258 0.6 0608 1.4 1000 0.2 1253 0.7 1501 0.4 1849 1.4 2208 0.6	29 QUA	0013 1.0 0336 0.6 0653 1.1 1015 0.5 1256 0.8 1551 0.5 1945 1.2 2211 0.9
14 TER	0058 0.1 0506 1.5 0841 0.8 1019 0.9 1328 0.4 1713 1.5 2104 0.5 2300 0.6	30 QUI	0009 0.5 0139 0.4 0608 1.4 1006 0.5 1300 0.7 1421 0.7 1832 1.4 2245 0.5	14 SEX	0234 0.3 0609 1.4 0949 0.4 1213 0.8 1456 0.4 1836 1.5 2206 0.5	30 SAB	0700 1.3 1028 0.4 1308 0.9 1556 0.4 1926 1.4 2253 0.6	14 SAB	0208 0.8 0549 1.5 0930 0.3 1206 0.7 1428 0.4 1811 1.6 2153 0.5	30 SEG	0036 0.8 0254 0.6 0632 1.2 1019 0.4 1313 0.7 1509 0.6 1908 1.2 2239 0.8	14 TER	0108 1.2 0400 0.7 0700 1.3 1047 0.4 1334 0.8 1608 0.4 1943 1.2 2253 0.7	30 QUI	0053 1.1 0426 0.5 0747 1.0 1049 0.6 1315 0.9 1645 0.3 2047 1.1 2241 1.0
15 QUA	0156 0.2 0556 1.4 0909 0.7 1126 0.9 1423 0.5 1804 1.5 2145 0.5	31 SEX	0051 1.0 0247 0.5 0656 1.3 1043 0.5 1323 0.8 1523 0.7 1917 1.3 2309 0.6	15 SAB	0051 1.0 0338 0.4 0700 1.3 1028 0.4 1308 0.9 1556 0.4 1926 1.4 2253 0.6	31 TER	0101 1.1 0439 0.5 0754 1.2 1111 0.5 1400 0.9 1656 0.4 2023 1.3 2332 0.7	15 DOM	0038 1.0 0311 0.6 0636 1.3 1011 0.3 1302 0.8 1534 0.4 1904 1.4 2228 0.6	31 TER	0056 0.9 0400 0.6 0713 1.0 1047 0.5 1334 0.8 1615 0.5 2004 1.1 2247 0.9	15 QUA	0158 1.2 0458 0.6 0758 1.2 1124 0.5 1404 0.8 1704 0.3 2045 1.1 2324 0.8	16 QUI	0232 1.2 0554 0.6 0900 1.1 1213 0.7 1419 0.8 1758 0.3 2158 1.1
16 QUI	0000 0.8 0258 0.3 0643 1.3 0958 0.6 1224 1.0 1521 0.4 1858 1.4 2221 0.5			16 DOM	0141 1.1 0439 0.5 0754 1.2 1111 0.5 1400 0.9 1656 0.4 2023 1.3 2332 0.7	16 SEG	0126 1.1 0417 0.6 0721 1.2 1100 0.4 1353 0.8 1636 0.4 2002 1.2 2306 0.7								

PORTO DE ITAGUAÍ (ESTADO DO RIO DE JANEIRO) - 2020

Latitude 22° 55'.9 S

Longitude 043° 50'.5 W

Fuso +03.0 horas

DHN

21 Componentes

Nível Médio 0.82 m

Carta 1623

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)
<b>01</b> SEX 0123 1.3 0513 0.4 0847 1.0 1113 0.8 1353 1.0 1732 0.2 2256 1.1	<b>17</b> DOM 0638 0.5 1106 1.2 1845 0.3 2349 1.2	<b>01</b> SEG 0002 1.0 0228 1.2 0619 0.2 1026 1.2 1300 1.0 1447 1.1 1854 0.1 2321 1.2	<b>17</b> QUA 0717 0.4 1243 1.4 1943 0.4	<b>01</b> QUA 0113 0.9 0300 1.0 0654 0.1 1104 1.3 1400 1.1 1532 1.1 1934 0.2 2338 1.2	<b>17</b> SEX 0024 1.1 0739 0.4 1321 1.4 2019 0.4	<b>01</b> SAB 0013 1.3 0828 0.1 1300 1.4 2111 0.4	<b>17</b> SEG 0149 1.3 0853 0.1 1430 1.6 2124 0.3
<b>02</b> SAB 0200 1.4 0602 0.3 0958 1.0 1200 0.9 1417 1.1 1819 0.1	<b>18</b> SEG 0709 0.4 1217 1.3 1926 0.3	<b>02</b> TER 0249 1.1 0709 0.1 1143 1.3 1953 0.1	<b>18</b> QUI 0053 1.3 0802 0.4 1326 1.5 2038 0.4	<b>02</b> QUI 0751 0.1 1215 1.4 2036 0.3	<b>18</b> SAB 0115 1.2 0826 0.3 1402 1.5 2109 0.4	<b>02</b> DOM 0111 1.4 0921 0.0 1353 1.6 2202 0.4	<b>18</b> TER 0217 1.4 0941 0.0 1458 1.6 2208 0.3
<b>03</b> DOM 0234 1.3 0651 0.2 1121 1.1 1309 1.1 1436 1.1 1911 0.0	<b>19</b> TER 0043 1.3 0753 0.4 1306 1.5 2011 0.3	<b>03</b> QUA 0019 1.3 0806 0.1 1243 1.5 2051 0.1	<b>19</b> SEX 0132 1.4 0845 0.3 1406 1.6 2130 0.4	<b>03</b> SEX 0039 1.3 0847 0.1 1311 1.5 2134 0.3	<b>19</b> DOM 0158 1.3 0915 0.2 1439 1.6 2154 0.4	<b>03</b> SEG 0202 1.6 1002 1.7 1436 1.6 1823 0.8 1951 0.8 2249 0.4	<b>19</b> QUA 0251 1.5 1030 0.0 1523 1.6 2256 0.2
<b>04</b> SEG 0226 1.3 0739 0.1 1226 1.3 2008 0.0	<b>20</b> QUA 0119 1.4 0836 0.3 1347 1.6 2058 0.3	<b>04</b> QUI 0104 1.4 0902 0.1 1332 1.6 2149 0.2	<b>20</b> SAB 0209 1.4 0932 0.3 1449 1.6 2213 0.4	<b>04</b> SAB 0128 1.5 0943 0.0 1402 1.6 1754 0.8 1902 0.9 2223 0.4	<b>20</b> SEG 0236 1.4 1000 0.2 1511 1.6 2239 0.3	<b>04</b> TER 0249 1.7 1053 0.1 1513 1.7 1908 0.6 2054 0.7 2323 0.4	<b>20</b> QUI 0317 1.6 1117 0.0 1553 1.6 2345 0.3
<b>05</b> TER 0109 1.4 0830 0.1 1309 1.5 2104 0.0	<b>21</b> QUI 0156 1.5 0915 0.3 1419 1.7 2143 0.3	<b>05</b> SEX 0151 1.5 0958 0.1 1415 1.7 1809 0.8 1921 0.8 2243 0.3	<b>21</b> DOM 0253 1.4 1017 0.3 1524 1.6 2258 0.4	<b>05</b> DOM 0213 1.6 1030 0.1 1451 1.7 1828 0.7 2009 0.9 2308 0.4	<b>21</b> TER 0306 1.4 1051 0.1 1549 1.6 2321 0.3	<b>05</b> QUA 0324 1.7 0811 0.3 0858 0.3 1132 0.1 1556 1.6 1955 0.5 2156 0.7	<b>21</b> SEX 0354 1.7 1206 0.1 1623 1.5 2019 0.7 2115 0.7
<b>06</b> QUA 0139 1.5 0921 0.1 1354 1.7 2200 0.1	<b>22</b> SEX 0230 1.5 0938 0.3 1500 1.7 2226 0.4	<b>06</b> SAB 0234 1.6 0645 0.4 0758 0.4 1049 0.1 1502 1.8 1849 0.7 2041 0.8 2332 0.4	<b>22</b> SEG 0324 1.4 1104 0.3 1602 1.6 2349 0.4	<b>06</b> SEG 0300 1.6 0713 0.3 0841 0.4 1113 0.4 1534 1.7 1911 0.7 2111 0.8 2356 0.5	<b>22</b> QUA 0343 1.5 1141 0.1 1615 1.5	<b>06</b> QUI 0000 0.5 0404 1.7 0854 0.3 1000 0.5 1206 0.2 1632 1.6 2043 0.5 2258 0.6	<b>22</b> SAB 0032 0.3 0436 1.7 0839 0.6 1002 0.6 1302 0.2 1702 1.5 2047 0.6 2245 0.7
<b>07</b> QUI 0211 1.6 1011 0.1 1436 1.8 2256 0.2	<b>23</b> SAB 0306 1.5 0824 0.3 1539 1.7 2309 0.4	<b>07</b> DOM 0313 1.6 0717 0.3 0902 0.4 1138 0.1 1551 1.7 1924 0.6 2145 0.9	<b>23</b> TER 0400 1.4 1156 0.2 1643 1.5	<b>07</b> TER 0347 1.6 0802 0.3 0941 0.4 1200 0.1 1613 1.6 2002 0.6 2211 0.8	<b>23</b> QUI 0008 0.4 0413 1.5 1232 0.1 1654 1.5 2139 0.8	<b>07</b> SEX 0043 0.6 0447 1.7 0932 0.3 1104 0.4 1247 0.3 1708 1.5 2119 0.5	<b>23</b> DOM 0123 0.4 0519 1.6 0904 0.6 1108 0.8 1402 0.3 1751 1.4 2117 0.5 2349 0.8
<b>08</b> SEX 0254 1.6 0702 0.4 0806 0.5 1102 0.1 1515 1.8 1906 0.6 2056 0.8 2349 0.3	<b>24</b> DOM 0347 1.5 0821 0.3 0958 0.4 1106 0.4 1615 1.6	<b>08</b> SEG 0017 0.5 0400 1.6 0804 0.3 1004 0.4 1224 0.2 1634 1.6 2009 0.6 2245 0.9	<b>24</b> QUA 0039 0.5 0439 1.4 0902 0.5 1000 0.5 1254 0.3 1717 1.4 2106 0.9 2202 0.9	<b>08</b> QUA 0041 0.6 0424 1.6 0853 0.3 1039 0.4 1249 0.2 1658 1.5 2051 0.6 2309 0.8	<b>24</b> SEX 0100 0.4 0458 1.5 0902 0.6 1015 0.6 1324 0.2 1734 1.4 2100 0.8 2254 0.9	<b>08</b> SAB 0000 0.7 0117 0.6 0524 1.6 1008 0.4 1202 0.4 1754 1.5 2156 0.5	<b>24</b> SEG 0021 0.4 0608 1.6 0947 0.6 1209 0.9 1504 0.4 1836 1.3 2202 0.4
<b>09</b> SAB 0336 1.6 0734 0.3 0926 0.4 1154 0.2 1602 1.8 1949 0.5 2200 0.8	<b>25</b> SEG 0000 0.5 0419 1.4 0845 0.4 1038 0.4 1204 0.4 1700 1.5 2119 0.7 2158 0.7	<b>09</b> TER 0106 0.6 0447 1.5 0854 0.3 1102 0.5 1313 0.3 1717 1.5 2058 0.6 2341 0.9	<b>25</b> QUI 0132 0.5 0915 1.3 0951 0.5 1058 0.6 1353 0.3 1800 1.4 2113 0.9 2306 1.0	<b>09</b> QUI 0124 0.6 0506 1.6 0938 0.3 1136 0.4 1336 0.3 1741 1.5 2134 0.6	<b>25</b> SAB 0156 0.4 0545 1.5 0924 0.6 1123 0.7 1423 0.3 1813 1.4 2138 0.7 2356 0.9	<b>09</b> DOM 0056 0.7 0200 0.7 0609 1.5 1032 0.5 1247 0.5 1423 0.3 1838 1.3 2224 0.5	<b>25</b> TER 0047 0.8 0323 0.4 0702 1.4 1021 0.6 1304 1.1 1605 0.5 1923 1.2 2251 0.4
<b>10</b> DOM 0041 0.5 0415 1.6 0813 0.2 1038 0.5 1249 0.3 1653 1.7 2026 0.6 2302 0.9	<b>26</b> TER 0100 0.5 0458 1.3 1106 1.5 1308 0.4 1743 1.4 2124 0.8 2256 0.9	<b>10</b> QUA 0202 0.7 0530 1.5 0941 0.3 1200 0.5 1408 0.3 1804 1.4 2143 0.6	<b>26</b> SEX 0224 0.5 0604 1.3 0947 0.6 1151 0.7 1453 0.3 1851 1.3 2153 0.8	<b>10</b> SEX 0006 0.8 0209 0.7 0556 1.5 0917 0.4 1213 0.5 1421 0.4 1823 1.4 2209 0.6	<b>26</b> DOM 0253 0.4 0634 1.4 1002 0.6 1221 0.9 1523 0.3 1902 1.3 2213 0.6	<b>10</b> SEG 0113 0.7 0300 0.7 0700 1.4 1100 0.6 1302 0.7 1624 0.5 1919 1.2 2300 0.5	<b>26</b> QUA 0134 0.9 0423 0.3 0800 1.3 1102 0.7 1358 1.2 1706 0.5 2015 1.2 2338 0.5
<b>11</b> SEG 0136 0.6 0502 1.5 0900 0.2 1136 0.5 1347 0.3 1739 1.5 2108 0.6	<b>27</b> QUA 0200 0.6 0543 1.2 0936 0.5 1149 0.6 1413 0.4 1824 1.3 2141 0.9 2345 1.0	<b>11</b> QUI 0028 1.0 0258 0.7 0615 1.4 1021 0.4 1249 0.6 1504 0.4 1856 1.3 2219 0.6	<b>27</b> SAB 0002 1.0 0319 0.4 0658 1.3 1013 0.6 1239 0.9 1551 0.2 1938 1.2 2224 0.8	<b>11</b> SAB 0058 0.8 0300 0.7 0645 1.4 1056 0.5 1254 0.6 1509 0.4 1908 1.3 2251 0.6	<b>27</b> SEG 0053 1.0 0351 0.4 0724 1.4 1047 0.6 1311 1.0 1623 0.3 1956 1.2 2302 0.6	<b>11</b> TER 0147 0.8 0400 0.6 0753 1.3 1128 0.7 1326 0.8 1624 0.5 2006 1.1 2339 0.6	<b>27</b> QUI 0211 0.9 0521 0.3 0900 1.2 1151 0.8 1445 1.3 1804 0.4 2119 1.1
<b>12</b> TER 0000 1.0 0236 0.7 0553 1.4 0951 0.3 1223 0.6 1447 0.4 1826 1.4 2156 0.6	<b>28</b> QUI 0300 0.5 0626 1.2 1000 0.5 1213 0.7 1515 0.4 1913 1.2 2200 0.9	<b>12</b> SEX 0108 1.0 0353 0.7 0708 1.3 1104 0.5 1308 0.7 1558 0.4 1947 1.2 2302 0.7	<b>28</b> DOM 0058 1.1 0411 0.4 0753 1.3 1100 0.7 1321 1.0 1647 0.2 2026 1.2 2309 0.8	<b>12</b> DOM 0123 0.8 0353 0.6 0734 1.3 1124 0.6 1306 0.7 1602 0.5 2000 1.2 2323 0.7	<b>28</b> TER 0141 1.0 0447 0.3 0819 1.3 1124 0.7 1402 1.1 1719 0.5 2051 1.2 2356 0.7	<b>12</b> QUA 0202 0.8 0454 0.6 0849 1.2 1202 0.9 1347 0.9 1719 0.5 2102 1.0	<b>28</b> SEX 0028 0.7 0254 0.9 0615 0.2 1011 1.2 1241 1.0 1519 1.2 1902 0.4 2238 1.1
<b>13</b> QUA 0054 1.1 0336 0.7 0643 1.3 1032 0.4 1306 0.7 1547 0.4 1917 1.2 2236 0.7	<b>29</b> SEX 0023 1.1 0356 0.5 0717 1.1 1030 0.6 1256 0.9 1611 0.3 2008 1.2 2236 0.9	<b>13</b> SAB 0145 0.9 0438 0.6 0802 1.3 1151 0.7 1321 0.7 1764 0.4 2039 1.2 2349 0.8	<b>29</b> SEG 0147 1.1 0504 0.3 0851 1.3 1149 0.8 1404 1.1 1764 0.4 2121 1.1	<b>13</b> SEG 0153 0.8 0438 0.6 0823 1.2 1206 0.8 1328 0.8 1654 1.1 2053 1.1	<b>29</b> QUA 0223 1.0 0541 0.2 0921 1.3 1209 0.9 1453 1.2 1817 0.3 2153 1.1	<b>13</b> QUI 0009 0.8 0211 0.8 0547 0.5 1004 1.1 1213 1.0 1545 1.1 1811 0.5 2215 1.0	<b>29</b> SAB 0200 0.8 0306 0.8 0711 0.1 1141 1.2 1402 1.1 1553 1.1 2000 0.4 2358 1.2
<b>14</b> QUI 0136 1.1 0426 0.7 0736 1.2 1111 0.5 1343 0.7 1639 0.4 2011 1.2 2309 0.8	<b>30</b> SAB 0104 1.2 0447 0.4 0813 1.1 1106 0.5 1336 1.0 1704 0.2 2106 1.1 2308 1.0	<b>14</b> DOM 0200 0.9 0513 0.6 0902 1.2 1724 0.4 2138 1.1	<b>30</b> TER 0002 0.8 0224 1.1 0558 0.2 0954 1.3 1243 0.9 1454 1.1 1836 0.2 2224 1.1	<b>14</b> TER 0008 0.7 0204 0.8 0517 0.5 0923 1.2 1743 0.4 2151 1.1	<b>30</b> QUI 0056 0.7 0302 0.9 0636 0.2 1038 1.2 1309 1.0 1536 1.2 1917 0.4 2302 1.2	<b>14</b> SEX 0147 0.9 0632 0.4 1330 1.2 1904 0.4	<b>30</b> DOM 0806 0.1 1251 1.4 2053 0.4
<b>15</b> SEX 0202 1.1 0513 0.6 0836 1.2 1202 0.7 1353 0.8 1721 0.3 2113 1.1	<b>31</b> DOM 0153 1.2 0534 0.3 0915 1.1 1158 0.9 1408 1.1 1800 0.1 2209 1.1	<b>15</b> SEG 0053 0.9 0202 0.9 0556 0.5 1011 1.2 1806 0.3 2247 1.1	<b>15</b> QUA 0604 0.5 1049 1.2 1832 0.4 2306 1.1	<b>15</b> QUA 0604 0.5 1049 1.2 1832 0.4 2306 1.1	<b>31</b> SEX 0732 0.1 1158 1.3 1458 1.1 1609 1.1 2015 0.4	<b>15</b> SAB 0017 1.0 0717 0.3 1341 1.4 1956 0.4	<b>31</b> SEG 0100 1.4 0856 0.0 1338 1.5 2136 0.4
<b>16</b> SAB 0000 0.9 0219 1.0 0558 0.5 0945 1.2 1802 0.3 2228 1.1	<b>16</b> TER 0636 0.4 1138 1.2 1854 0.3 2358 1.2	<b>16</b> TER 0636 0.4 1138 1.2 1854 0.3 2358 1.2	<b>16</b> QUI 0653 0.4 1228 1.3 1923 0.4	<b>16</b> QUI 0653 0.4 1228 1.3 1923 0.4	<b>16</b> DOM 0111 1.2 0804 0.2 1404 1.5 2041 0.3	<b>16</b> DOM 0111 1.2 0804 0.2 1404 1.5 2041 0.3	

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 TER	0151 1.6 0941 0.0 1415 1.6 2209 0.4	17 QUI	0224 1.6 1006 -0.1 1456 1.6 2228 0.2	01 QUI	0208 1.7 0945 0.1 1428 1.6 2206 0.3	17 SAB	0234 1.8 1043 0.1 1456 1.6 2254 0.1	01 DOM	0258 1.8 1021 0.3 1506 1.6 2000 0.3	17 TER	0341 1.8 0719 0.7 0923 0.9 1209 0.4 1554 1.6 1954 0.2 2200 0.5	01 TER	0317 1.7 1049 0.4 1524 1.5 2013 0.3	17 QUI	0000 0.1 0409 1.7 0751 0.6 1004 0.9 1249 0.5 1621 1.6 2024 0.3 2236 0.4
02 QUA	0228 1.7 1017 0.1 1456 1.7 1915 0.6 2011 0.6 2251 0.4	18 SEX	0256 1.7 1058 0.0 1521 1.6 2313 0.2	02 SEX	0247 1.8 1019 0.2 1500 1.7 1949 0.4 2111 0.4 2238 0.4	18 DOM	0309 1.8 1136 0.2 1532 1.6 1934 0.4 2102 0.5 2347 0.2	02 SEG	0336 1.7 0913 0.4 1549 1.6 2019 0.3	18 QUA	0017 0.2 0424 1.7 0800 0.6 1028 0.9 1306 0.5 1639 1.5 2036 0.2 2300 0.5	02 QUA	0400 1.6 1138 0.5 1604 1.5 2030 0.3	18 SEX	0054 0.2 0458 1.6 0834 0.6 1104 0.7 1339 0.6 1706 1.5 2111 0.3 2334 0.5
03 QUI	0306 1.8 1056 0.1 1526 1.7 1956 0.5 2138 0.5 2319 0.4	19 SAB	0332 1.8 1151 0.1 1558 1.6 2000 0.5 2108 0.6	03 SAB	0317 1.8 1045 0.3 1536 1.7 2015 0.3	19 SEG	0356 1.8 0747 0.6 0947 0.8 1226 0.4 1609 1.6 2004 0.3 2213 0.5	03 TER	0411 1.7 0858 0.5 1136 0.5 1623 1.5 2045 0.3	19 QUI	0113 0.3 0514 1.8 0847 0.6 1128 1.0 1404 0.6 1724 1.4 2117 0.2 2358 0.6	03 QUI	0443 1.5 0958 0.7 1232 0.5 1645 1.4 2102 0.4 2304 0.5	19 SAB	0149 0.3 0547 1.5 0915 0.6 1202 1.0 1434 0.7 1758 1.5 2200 0.4
04 SEX	0345 1.8 1130 0.2 1602 1.7 2030 0.4 2345 0.5	20 DOM	0002 0.2 0411 1.8 0809 0.6 0954 0.7 1247 0.3 1638 1.5 2021 0.4 2234 0.6	04 DOM	0356 1.8 0908 0.3 1608 1.6 2043 0.3	20 TER	0039 0.3 0443 1.7 0817 0.6 1053 0.9 1324 0.5 1658 1.5 2051 0.2 2317 0.6	04 QUA	0458 1.5 0911 0.6 1104 0.6 1251 0.6 1704 1.3 2111 0.3	20 SEX	0213 0.3 0602 1.4 0926 0.6 1221 1.1 1504 0.7 1813 1.3 2204 0.3	04 SEX	0041 0.4 0521 1.4 0921 0.7 1053 0.8 1334 0.6 1721 1.3 2130 0.4 2345 0.6	20 DOM	0021 0.6 0247 0.4 0630 1.4 1002 0.6 1258 1.0 1526 0.7 1849 1.4 2247 0.5
05 SAB	0417 1.7 0923 0.3 1145 0.3 1641 1.6 2104 0.4	21 SEG	0058 0.3 0500 1.7 0845 0.5 1100 0.8 1347 0.4 1747 1.4 2102 0.3 2339 0.7	05 SEG	0436 1.7 0917 0.4 1653 1.5 2106 0.3	21 QUA	0139 0.3 0530 1.6 0900 0.5 1153 1.1 1430 0.6 1747 1.4 2132 0.2	05 QUI	0545 1.4 0939 0.7 1149 0.8 1402 0.6 1749 1.2 2149 0.4	21 SAB	0049 0.7 0315 0.3 0658 1.3 1008 0.6 1308 1.2 1602 0.7 1908 1.3 2254 0.5	05 SAB	0151 0.4 0606 1.3 0945 0.8 1128 0.9 1436 0.6 1804 1.2 2158 0.5	21 SEG	0102 0.7 0341 0.4 0717 1.3 1047 0.6 1338 1.0 1615 0.7 1941 1.3 2323 0.6
06 DOM	0500 1.6 0945 0.4 1717 1.5 2132 0.4	22 TER	0158 0.4 0551 1.6 0919 0.5 1202 1.0 1451 0.5 1806 1.3 2149 0.3	06 TER	0515 1.5 0936 0.5 1204 0.6 1257 0.6 1732 1.4 2138 0.3	22 QUI	0241 0.7 0245 1.4 0621 1.4 0947 0.6 1245 1.2 1536 0.6 1838 1.3 2213 0.3	06 SEX	0034 0.6 0219 0.6 0632 1.3 1000 0.8 1208 0.9 1508 0.6 1836 1.1 2209 0.5	22 DOM	0121 0.8 0411 0.3 0754 1.2 1058 0.7 1354 1.1 1658 0.6 1858 1.2 2339 0.7	06 DOM	0004 0.7 0254 0.4 0656 1.2 0958 0.9 1204 1.0 1532 0.5 1858 1.2 2215 0.6	22 TER	0136 0.7 0430 0.4 0808 1.2 1123 0.7 1400 0.9 1702 0.6 2038 1.2
07 SEG	0545 1.5 1004 0.5 1338 0.6 1800 1.4 2202 0.4	23 QUA	0034 0.8 0302 0.4 0643 1.4 1002 0.6 1258 1.2 1554 0.6 1900 1.2 2232 0.3	07 QUA	0602 1.4 1000 0.6 1221 0.7 1432 0.7 1811 1.2 2206 0.4	23 SEX	0102 0.8 0349 0.3 0715 1.3 1023 0.7 1328 1.3 1636 0.6 1934 1.2 2300 0.5	07 SAB	0053 0.7 0328 0.5 0723 1.2 1009 0.9 1239 1.1 1606 0.6 1923 1.0 2236 0.6	23 SEG	0153 0.8 0504 0.3 0853 1.1 1139 0.8 1415 1.1 1745 0.5 2111 1.2	07 SEG	0039 0.8 0354 0.3 0749 1.1 1013 0.9 1249 1.1 1619 0.5 1954 1.1 2254 0.7	23 QUA	0008 0.8 0514 0.8 0511 0.4 0904 1.1 1209 0.8 1413 0.9 1745 0.5 2143 1.2
08 TER	0113 0.7 0204 0.7 0630 1.4 1026 0.6 1256 0.7 1456 0.6 1849 1.2 2234 0.5	24 QUI	0117 0.9 0404 0.3 0739 1.3 1047 0.7 1349 1.3 1656 0.6 1956 1.2 2313 0.5	08 QUI	0106 0.7 0256 0.6 0656 1.3 1023 0.7 1253 0.9 1545 0.6 1900 1.1 2238 0.5	24 SAB	0149 0.8 0447 0.3 0813 1.2 1104 0.8 1406 1.2 1724 0.6 2036 1.1 2354 0.7	08 DOM	0102 0.8 0423 0.4 0821 1.1 1021 1.0 1302 1.2 1658 0.5 2023 1.0 2300 0.8	24 TER	0153 0.8 0553 0.3 0958 1.1 1241 0.9 1424 1.0 1821 0.5 2228 1.2	08 TER	0108 1.0 0447 0.3 0843 1.1 1054 0.9 1324 1.2 1706 0.3 2054 1.1 2326 0.9	24 QUI	0556 0.4 1009 1.1 1821 0.5 2304 1.2
09 QUA	0130 0.7 0326 0.7 0717 1.3 1058 0.7 1311 0.8 1602 0.6 1934 1.1 2302 0.6	25 SEX	0200 0.9 0504 0.3 0841 1.2 1123 0.8 1426 1.3 1753 0.5 2058 1.1	09 SEX	0123 0.8 0400 0.6 0753 1.1 1045 0.9 1304 1.0 1645 0.6 1956 1.0 2258 0.6	25 DOM	0209 0.9 0539 0.2 0923 1.1 1153 0.9 1443 1.2 1813 0.5 2151 1.1	09 SEG	0126 1.0 0509 0.3 1041 1.0 1338 1.3 1741 0.4 2134 1.0 2338 0.9	25 QUA	0632 0.3 1109 1.2 1858 0.4 2351 1.3	09 QUA	0151 1.1 0536 0.2 0945 1.1 1134 1.0 1402 1.2 1756 0.2 2200 1.2	25 SEX	0641 0.4 1126 1.2 1904 0.4
10 QUI	0154 0.8 0428 0.6 0813 1.1 1113 0.9 1334 1.0 1702 0.5 2024 1.0 2328 0.7	26 SAB	0004 0.7 0238 0.9 0600 0.2 0954 1.1 1206 0.9 1502 1.2 1847 0.5 2211 1.1	10 SAB	0138 0.9 0458 0.4 0900 1.1 1047 1.0 1323 1.2 1730 0.5 2100 0.9 2311 0.8	26 SEG	0102 0.9 0208 0.9 0623 0.2 1047 1.1 1300 1.0 1449 1.1 1900 0.4 2309 1.2	10 TER	0156 1.1 0600 0.1 1404 1.3 1821 0.2 2304 1.1	26 QUI	0708 0.3 1213 1.3 1936 0.4	10 QUI	0013 1.0 0223 1.1 0624 0.1 1059 1.1 1228 1.1 1439 1.1 1847 0.1 2315 1.3	26 SAB	0023 1.3 0728 0.4 1230 1.2 1953 0.3
11 SEX	0200 0.9 0521 0.5 0932 1.1 1109 1.0 1343 1.1 1758 0.5 2139 0.9 2351 0.8	27 DOM	0123 0.8 0243 0.9 0654 0.1 1117 1.2 1321 1.1 1519 1.1 1834 0.4 2339 1.2	11 DOM	0151 1.0 0545 0.3 1349 1.3 1811 0.4	27 TER	0706 0.2 1200 1.2 1941 0.4	11 QUA	0013 1.1 0215 1.1 0649 0.1 1424 1.3 1906 0.1	27 SEX	0049 1.4 0753 0.3 1300 1.4 2015 0.3	11 SEX	0245 1.2 0717 0.1 1200 1.2 1939 0.1	27 DOM	0113 1.4 0821 0.4 1315 1.3 2041 0.3
12 SAB	0200 0.9 0608 0.4 1354 1.3 1845 0.4	28 SEG	0743 0.1 1230 1.3 2015 0.4	12 SEG	0202 1.1 0624 0.2 1409 1.4 1854 0.3	28 QUA	0021 1.4 0749 0.2 1253 1.4 2013 0.3	12 QUI	0017 1.3 0739 0.0 1308 1.3 1958 0.1	28 SAB	0128 1.5 0839 0.3 1338 1.5 2054 0.3	12 SAB	0021 1.4 0815 0.1 1247 1.3 2034 0.0	28 SEG	0154 1.5 0913 0.4 1356 1.4 2126 0.3
13 DOM	0200 1.0 0654 0.2 1408 1.4 1924 0.3	29 TER	0047 1.4 0824 0.1 1315 1.5 2058 0.4	13 TER	0154 1.1 0709 0.1 1415 1.4 1938 0.2	29 QUI	0109 1.5 0826 0.2 1328 1.5 2053 0.3	13 SEX	0058 1.5 0836 0.0 1323 1.4 2053 0.0	29 DOM	0204 1.6 0926 0.3 1409 1.5 2134 0.3	13 DOM	0111 1.6 0915 0.2 1326 1.4 2128 0.0	29 TER	0230 1.6 0958 0.4 1434 1.5 2202 0.3
14 SEG	0121 1.1 0738 0.1 1409 1.5 2008 0.3	30 QUA	0132 1.6 0904 0.1 1356 1.6 2136 0.3	14 QUA	0108 1.3 0800 0.0 1353 1.4 2023 0.1	30 SEX	0151 1.7 0906 0.2 1402 1.6 2128 0.3	14 SAB	0136 1.6 0932 0.1 1356 1.5 2145 0.0	30 SEG	0243 1.7 1008 0.4 1451 1.6 2002 0.3	14 SEG	0158 1.7 1009 0.2 1408 1.6 2219 0.0	30 QUA	0306 1.6 1039 0.4 1509 1.5 2243 0.2
15 TER	0132 1.3 0824 0.0 1415 1.5 2054 0.2			15 QUI	0130 1.5 0854 -0.1 1402 1.5 2111 0.1	31 SAB	0223 1.7 0945 0.3 1436 1.6 1938 0.3 2139 0.3	15 DOM	0211 1.8 1024 0.2 1430 1.6 2238 0.1			15 TER	0243 1.8 0623 0.8 0756 0.9 1104 0.3 1456 1.6 1902 0.4 2021 0.4 2308 0.0	31 QUI	0351 1.6 1119 0.4 1551 1.5 2328 0.2
16 QUA	0158 1.5 0915 0.0 1436 1.6 2143 0.2			16 SEX	0200 1.6 0949 0.0 1423 1.5 2202 0.1			16 SEG	0256 1.8 0656 0.7 0806 0.8 1117 0.3 1508 1.6 1911 0.3 2054 0.4 2326 0.1			16 QUA	0324 1.8 0702 0.7 0902 0.9 1156 0.4 1539 1.6 1943 0.3 2134 0.4		