

PORTO DE PARANAGUÁ - CAIS OESTE (ESTADO DO PARANÁ) - 2024

Latitude 25° 30'.1 S

Longitude 048° 31'.5 W

Fuso +03.0 horas

APPA

54 Componentes

Nível Médio 0.98 m

Carta 1822

| 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) | HORA ALT (m) | | |
| 01 SEG | 0000 0.2 | 17 | 0117 0.4 | 01 | 0008 0.3 | 17 | 0158 0.9 | 01 | 0345 1.3 | 17 | 0102 0.9 | 01 | 0000 0.6 | |
| | 0743 1.6 | QUA | 0808 1.5 | QUI | 0441 1.2 | SAB | 0502 1.2 | SEX | 0600 1.1 | DOM | 0417 1.4 | SEG | 0334 1.4 | |
| | 1151 0.3 | | 1202 0.3 | | 0556 1.1 | | 0802 0.9 | | 0804 1.3 | | 0754 0.7 | | 0708 0.6 | |
| | 1604 1.5 | | 1554 1.6 | | 0839 1.3 | | 1009 1.0 | | 1206 0.3 | | 1019 1.0 | | 1019 1.2 | |
| | | | 1908 0.7 | | 1238 0.4 | | 1338 0.5 | | 1724 1.4 | | 1328 0.5 | | 1421 0.6 | |
| | | 2208 1.4 | | 1709 1.4 | | 1711 1.4 | | | | 1700 1.2 | | 2106 1.4 | | |
| | | | | 2034 0.6 | | 2034 0.6 | | | | 2004 0.7 | | 2339 1.3 | | 0041 0.9 |
| 02 TER | 0009 0.3 | 18 | 0208 0.6 | 02 | 0051 0.5 | 18 | 0006 1.4 | 02 | 0000 0.4 | 18 | 0011 1.1 | 02 | 0041 0.9 | |
| | 0824 1.5 | QUI | 0858 1.3 | SEX | 0453 1.1 | DOM | 0319 1.0 | SAB | 0356 1.3 | SEG | 0449 1.3 | TER | 0351 1.4 | |
| | 1223 0.5 | | 1253 0.4 | | 0700 1.0 | | 0538 1.1 | | 0658 0.9 | | 0821 0.7 | | 0741 0.4 | |
| | 1638 1.4 | | 1641 1.6 | | 0941 1.2 | | 0847 0.8 | | 0915 1.1 | | 1128 1.2 | | 1119 1.4 | |
| | 2038 1.2 | | 2000 0.7 | | 1323 0.6 | | 1136 1.1 | | 1300 0.5 | | 1451 0.7 | | 1639 0.5 | |
| | | 2313 1.4 | | 1802 1.2 | | 1454 0.7 | | 1928 1.3 | | 1749 1.0 | | 2219 1.5 | | |
| | | | | 2124 1.2 | | 1800 1.1 | | | | 2041 0.6 | | | | |
| 03 QUA | 0058 0.4 | 19 | 0308 0.7 | 03 | 0134 0.7 | 19 | 0106 1.5 | 03 | 0038 0.6 | 19 | 0047 1.4 | 03 | 0121 1.1 | |
| | 0913 1.4 | SEX | 1002 1.2 | SAB | 0504 1.1 | SEG | 0902 0.8 | DOM | 0408 1.3 | TER | 0843 0.7 | QUA | 0402 1.4 | |
| | 1306 0.6 | | 1351 0.5 | | 0753 0.9 | | 1239 1.3 | | 0734 0.7 | | 1217 1.3 | | 0806 0.3 | |
| | 1711 1.3 | | 1628 0.7 | | 1053 1.2 | | 1628 0.7 | | 1034 1.2 | | 1621 0.6 | | 1209 1.6 | |
| | 1951 1.1 | | 1728 1.4 | | 1439 0.7 | | 1854 0.8 | | 1409 0.6 | | 1847 0.8 | | 1804 0.3 | |
| 2145 1.2 | | 2049 0.6 | | 2239 1.3 | | 2128 0.6 | | 2147 1.3 | | 2056 0.6 | | 2328 1.6 | | |
| 04 QUI | 0153 0.5 | 20 | 0017 1.5 | 04 | 0226 0.8 | 20 | 0154 1.7 | 04 | 0113 0.9 | 20 | 0134 1.6 | 04 | 0236 1.7 | |
| | 1011 1.3 | SAB | 0417 0.8 | DOM | 0519 1.0 | TER | 0721 0.7 | SEG | 0421 1.3 | QUA | 0745 0.7 | QUI | 0358 1.3 | |
| | 1409 0.7 | | 0709 1.0 | | 0824 0.7 | | 1323 1.4 | | 0802 0.5 | | 1258 1.5 | | 0838 0.2 | |
| | 1811 1.1 | | 0824 0.9 | | 1188 1.3 | | 1813 0.5 | | 1139 1.3 | | 1800 0.5 | | 1302 1.8 | |
| | 1939 1.1 | | 1128 1.2 | | 1639 0.7 | | 2011 0.6 | | 1628 0.6 | | 2300 1.4 | | 1900 0.0 | |
| 2239 1.3 | | 1506 0.7 | | 2341 1.4 | | 1813 0.5 | | 2300 1.4 | | 1800 0.5 | | 1900 0.0 | | |
| | | 1819 1.1 | | | | 2011 0.6 | | | | | | | | |
| | | 2119 0.6 | | | | | | | | | | | | |
| 05 SEX | 0256 0.6 | 21 | 0113 1.6 | 05 | 0347 1.0 | 21 | 0236 1.8 | 05 | 0206 1.1 | 21 | 0211 1.7 | 05 | 0036 1.7 | |
| | 1117 1.3 | DOM | 0524 0.8 | SEG | 0523 1.0 | QUA | 0734 0.5 | TER | 0430 1.2 | QUI | 0719 0.4 | SEX | 0902 0.2 | |
| | 1556 0.7 | | 0854 0.9 | | 0900 0.6 | | 1402 1.5 | | 0836 0.4 | | 1326 1.6 | | 1353 1.9 | |
| | 2324 1.4 | | 1247 1.3 | | 1258 1.4 | | 1926 0.3 | | 1236 1.5 | | 1900 0.3 | | 1945 -0.1 | |
| | | | 1649 0.6 | | 1828 0.5 | | | | 1834 0.4 | | | | | |
| | | 1915 0.9 | | | | | | | | | | | | |
| | | 2151 0.6 | | | | | | | | | | | | |
| 06 SAB | 0404 0.7 | 22 | 0202 1.7 | 06 | 0034 1.6 | 22 | 0311 1.9 | 06 | 0004 1.6 | 22 | 0251 1.8 | 06 | 0138 1.8 | |
| | 0711 0.9 | SEG | 0628 0.7 | TER | 0934 0.5 | QUI | 0806 0.3 | QUA | 0902 0.3 | SEX | 0749 0.2 | SAB | 0921 0.4 | |
| | 0811 0.8 | | 1341 1.4 | | 1354 1.6 | | 1434 1.6 | | 1328 1.7 | | 1351 1.7 | | 1445 2.0 | |
| | 1223 1.4 | | 1813 0.5 | | 1936 0.2 | | 2011 0.1 | | 1930 0.1 | | 1943 0.1 | | 2019 -0.2 | |
| | 1730 0.6 | | 2151 0.6 | | | | | | | | | | | |
| 07 DOM | 0009 1.5 | 23 | 0249 1.8 | 07 | 0126 1.7 | 23 | 0351 1.9 | 07 | 0106 1.7 | 23 | 0321 1.9 | 07 | 0234 1.9 | |
| | 0509 0.7 | TER | 0723 0.5 | QUA | 1002 0.5 | SEX | 0841 0.1 | QUI | 0936 0.3 | SAB | 0813 0.0 | DOM | 0802 0.4 | |
| | 0854 0.8 | | 1424 1.5 | | 1447 1.7 | | 1458 1.6 | | 1421 1.8 | | 1424 1.7 | | 1536 2.0 | |
| | 1321 1.5 | | 1924 0.3 | | 2024 0.0 | | 2051 0.0 | | 2013 -0.1 | | 2015 0.0 | | 2049 -0.1 | |
| | 1830 0.4 | | | | | | | | | | | | | |
| 08 SEG | 0058 1.6 | 24 | 0328 1.9 | 08 | 0219 1.9 | 24 | 0423 2.0 | 08 | 0204 1.9 | 24 | 0354 1.9 | 08 | 0323 1.9 | |
| | 0609 0.7 | QUA | 0809 0.4 | QUI | 1039 0.5 | SAB | 0909 0.0 | SEX | 1000 0.4 | DOM | 0847 -0.1 | SEG | 0802 0.2 | |
| | 0819 0.7 | | 1500 1.5 | | 1539 1.8 | | 1530 1.7 | | 1513 1.9 | | 1511 1.8 | | 1623 2.0 | |
| | 0938 0.7 | | 2019 0.2 | | 2108 -0.2 | | 2117 -0.1 | | 2053 -0.3 | | 2049 -0.1 | | 2109 0.0 | |
| | 1411 1.6 | | | | | | | | | | | | | |
| 1921 0.2 | | | | | | | | | | | | | | |
| 09 TER | 0147 1.7 | 25 | 0406 1.9 | 09 | 0313 2.0 | 25 | 0456 2.0 | 09 | 0258 2.0 | 25 | 0424 1.9 | 09 | 0408 1.9 | |
| | 0706 0.6 | QUI | 0853 0.3 | SEX | 0849 0.6 | DOM | 0941 0.0 | SAB | 0847 0.5 | SEG | 0909 -0.1 | TER | 0830 0.0 | |
| | 0904 0.7 | | 1530 1.5 | | 1628 1.9 | | 1613 1.7 | | 1604 2.0 | | 1553 1.8 | | 1708 2.0 | |
| | 1015 0.7 | | 2102 0.1 | | 2147 -0.3 | | 2147 -0.1 | | 2123 -0.3 | | 2111 -0.1 | | 2134 0.1 | |
| | 1502 1.7 | | | | | | | | | | | | | |
| 2011 0.1 | | | | | | | | | | | | | | |
| 10 QUA | 0236 1.9 | 26 | 0447 1.9 | 10 | 0404 2.1 | 26 | 0528 1.9 | 10 | 0349 2.1 | 26 | 0456 1.9 | 10 | 0454 1.7 | |
| | 0753 0.6 | SEX | 0924 0.2 | SAB | 0854 0.4 | SEG | 1004 0.0 | DOM | 0834 0.3 | TER | 0938 -0.1 | QUA | 0904 -0.1 | |
| | 1051 0.7 | | 1530 1.5 | | 1717 1.9 | | 1638 1.7 | | 1654 2.1 | | 1636 1.8 | | 1300 1.2 | |
| | 1554 1.7 | | 2139 0.0 | | 2219 -0.3 | | 2208 -0.1 | | 2151 -0.2 | | 2141 0.0 | | 1424 1.1 | |
| | 2102 -0.1 | | | | | | | | | | | | 1756 1.9 | |
| | | | | | | | | | | | | 2202 0.2 | | |
| 11 QUI | 0324 2.0 | 27 | 0521 1.9 | 11 | 0454 2.1 | 27 | 0558 1.8 | 11 | 0434 2.0 | 27 | 0528 1.7 | 11 | 0539 1.5 | |
| | 0823 0.6 | SAB | 0958 0.1 | DOM | 0917 0.3 | TER | 1030 0.0 | SEG | 0858 0.1 | QUA | 1002 -0.1 | QUI | 0947 -0.1 | |
| | 1645 1.8 | | 1523 1.6 | | 1254 1.1 | | 1713 1.7 | | 1341 1.0 | | 1708 1.7 | | 1338 1.3 | |
| | 2151 -0.2 | | 2208 0.0 | | 1413 1.0 | | 2238 0.0 | | 1739 2.0 | | 2204 0.0 | | 1528 1.1 | |
| | | | | | 1804 1.9 | | | | 2211 -0.1 | | | | 1843 1.8 | |
| | | | | 2253 -0.2 | | | | | | | | 2234 0.4 | | |
| 12 SEX | 0415 2.0 | 28 | 0556 1.9 | 12 | 0541 2.0 | 28 | 0636 1.6 | 12 | 0517 1.9 | 28 | 0600 1.6 | 12 | 0223 1.3 | |
| | 0900 0.5 | DOM | 1024 0.1 | SEG | 0954 0.1 | QUA | 1058 0.1 | TER | 0928 0.0 | QUI | 1030 0.0 | SEX | 0477 1.2 | |
| | 1208 0.9 | | 1534 1.6 | | 1328 1.3 | | 1711 1.6 | | 1313 1.3 | | 1734 1.7 | | 0626 1.3 | |
| | 1326 0.9 | | 2238 0.0 | | 1541 1.1 | | 2302 0.1 | | 1502 1.1 | | 2232 0.1 | | 1024 0.1 | |
| | 1738 1.8 | | | | 1854 1.8 | | | | 1821 1.9 | | | | 1419 1.3 | |
| 2234 -0.2 | | | | 2317 0.0 | | | | 2239 0.1 | | | | 1632 1.1 | | |
| | | | | | | | | | | | | 1932 1.6 | | |
| | | | | | | | | | | | | 2306 0.5 | | |
| 13 SAB | 0506 2.1 | 29 | 0630 1.8 | 13 | 0623 1.9 | 29 | 0711 1.4 | 13 | 0600 1.7 | 29 | 0253 1.3 | 13 | 0253 1.4 | |
| | 0932 0.4 | SEG | 1056 0.1 | TER | 1028 0.0 | QUI | 1128 0.2 | QUA | 1004 -0.1 | SEX | 0449 1.2 | SAB | 0600 1.0 | |
| | 1256 1.1 | | 1554 1.6 | | 1409 1.5 | | 1654 1.5 | | 1358 1.4 | | 0649 1.3 | | 0738 1.1 | |
| | 1458 1.0 | | 2304 0.1 | | 1651 1.1 | | 2331 0.2 | | 1608 1.1 | | 1104 0.2 | | 1113 0.2 | |
| | 1830 1.7 | | | | 1943 1.6 | | | | 1906 1.7 | | 1756 1.6 | | 1508 1.2 | |
| 2315 -0.1 | | | | 2351 0.2 | | | | 2304 0.3 | | 2300 0.3 | | 1738 1.0 | | |
| | | | | | | | | | | | | 2023 1.4 | | |
| | | | | | | | | | | | | 2351 0.7 | | |
| 14 DOM | 0556 2.0 | 30 | 0704 1.7 | 14 | 0704 1.6 | 30 | 0800 1.4 | 14 | 0651 1.5 | 30 | 0300 1.4 | 14 | 0321 1.5 | |
| | 1006 0.3 | TER | 1123 0.2 | QUA | 1104 0.0 | SAB | 0558 1.0 | QUI | 1049 0.0 | SEG | 0558 1.0 | DOM | 0658 0.8 | |
| | 1338 1.3 | | 1611 1.6 | | 1458 1.6 | | 1711 1.6 | | 1443 1.5 | | 0753 1.2 | | 0900 1.0 | |
| | 1608 0.9 | | 2338 0.2 | | 1628 1.5 | | 2302 0.1 | | 1715 1.1 | | 1151 0.3 | | 1211 0.4 | |
| | 1919 1.6 | | | | 1756 1.0 | | | | 2000 1.5 | | 1839 1.5 | | 1600 1.2 | |
| 2356 0.0 | | | | 2038 1.4 | | | | 2341 0.5 | | 2326 0.4 | | 1838 0.9 | | |
| | | | | | | | | | | | | | | |

PORTO DE PARANAGUÁ - CAIS OESTE (ESTADO DO PARANÁ) - 2024

Latitude 25° 30'.1 S Longitude 048° 31'.5 W Fuso +03.0 horas

APPA 54 Componentes Nível Médio 0.98 m Carta 1822

| 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 | 0017 0.8 0334 1.5 0717 0.4 1102 1.4 1619 1.3 2147 1.6 | 17 | 0711 0.8 1153 1.4 1636 0.4 | 01 | 0147 0.9 0436 1.2 0808 0.5 1211 1.7 1730 0.2 2309 1.5 | 17 | 0047 1.4 0609 0.4 1215 1.6 1711 0.5 | 01 | 0239 0.7 0547 1.1 0851 0.6 1251 1.7 1723 0.6 | 17 | 0109 1.4 0624 0.4 1230 1.6 1706 0.8 1932 0.9 2156 0.8 | 01 | 0124 1.3 0608 0.5 0741 0.6 0919 0.5 1417 1.8 1926 0.7 | 17 | 0226 1.7 0758 -0.1 1345 1.8 2223 0.5 |
| 02 | 0102 1.0 0356 1.4 0751 0.3 1153 1.6 1724 0.2 2249 1.6 | 18 | 0039 1.5 0621 0.5 1213 1.6 1724 0.4 | 02 | 0324 0.9 0458 1.0 0841 0.5 1300 1.8 1811 0.3 | 18 | 0143 1.5 0647 0.2 1253 1.6 1800 0.5 | 02 | 0011 1.3 0445 0.7 0656 0.8 0913 0.6 1339 1.7 1813 0.6 | 18 | 0202 1.6 0709 0.2 1309 1.7 1815 0.8 1954 0.8 2224 0.7 | 02 | 0213 1.5 0715 0.3 1506 1.8 2011 0.6 | 18 | 0311 1.9 0838 -0.3 1441 1.9 2243 0.5 |
| 03 | 0202 1.1 0406 1.3 0815 0.3 1236 1.8 1817 0.1 2356 1.6 | 19 | 0134 1.6 0649 0.2 1243 1.7 1808 0.3 | 03 | 0032 1.5 0853 0.6 1351 1.9 1853 0.3 | 19 | 0223 1.6 0717 0.1 1332 1.7 1851 0.5 | 03 | 0134 1.4 0608 0.5 1426 1.8 1908 0.7 | 19 | 0247 1.7 0756 0.0 1400 1.8 2253 0.7 | 03 | 0254 1.6 0800 0.1 1554 1.9 2049 0.4 | 19 | 0358 2.0 0913 -0.4 1539 2.0 2058 0.5 |
| 04 | 0843 0.4 1321 1.9 1902 0.0 | 20 | 0213 1.7 0713 0.1 1317 1.7 1853 0.3 | 04 | 0147 1.5 0638 0.4 1443 1.9 1926 0.4 | 20 | 0302 1.7 0756 0.0 1421 1.7 1938 0.5 | 04 | 0224 1.5 0704 0.3 1517 1.8 2000 0.6 | 20 | 0330 1.8 0839 -0.1 1458 1.9 2034 0.7 2204 0.7 2309 0.7 | 04 | 0324 1.6 0839 0.0 1639 1.9 2117 0.2 | 20 | 0445 2.0 0951 -0.3 1634 2.1 2109 0.3 |
| 05 | 0104 1.7 0845 0.5 1411 2.0 1938 0.0 | 21 | 0251 1.8 0745 -0.1 1358 1.7 1928 0.3 | 05 | 0241 1.6 0709 0.2 1536 1.9 2004 0.5 | 21 | 0345 1.7 0834 -0.1 1515 1.8 2019 0.5 | 05 | 0308 1.5 0753 0.2 1608 1.9 2049 0.5 | 21 | 0413 1.8 0921 -0.2 1556 2.0 2102 0.5 | 05 | 0341 1.6 0911 0.0 1713 1.9 2153 0.1 | 21 | 0530 1.9 1021 -0.2 1719 2.1 2141 0.2 |
| 06 | 0206 1.7 0713 0.4 1504 2.0 2006 0.1 | 22 | 0324 1.8 0809 -0.1 1449 1.8 2004 0.3 | 06 | 0323 1.6 0753 0.1 1624 1.9 2047 0.5 | 22 | 0424 1.7 0915 -0.1 1609 1.9 2100 0.5 | 06 | 0345 1.5 0836 0.1 1658 1.9 2124 0.4 | 22 | 0502 1.8 1006 -0.2 1651 2.0 2126 0.4 | 06 | 0330 1.6 0945 0.0 1753 1.9 2217 0.0 | 22 | 0253 1.1 0615 1.8 1054 0.0 1802 2.0 2209 0.0 |
| 07 | 0258 1.7 0736 0.2 1556 2.0 2032 0.2 | 23 | 0400 1.7 0845 -0.1 1541 1.8 2041 0.3 | 07 | 0402 1.5 0832 0.1 1711 1.9 2123 0.5 | 23 | 0511 1.6 1004 -0.1 1702 1.9 2138 0.4 | 07 | 0408 1.5 0915 0.1 1741 1.9 2200 0.3 | 23 | 0554 1.7 1051 -0.1 1739 2.1 2200 0.3 | 07 | 0326 1.6 1009 0.0 1821 1.9 2249 0.0 | 23 | 0200 1.4 0411 1.1 0704 1.6 1121 0.2 1849 1.8 2251 0.0 |
| 08 | 0345 1.7 0804 0.0 1647 1.9 2102 0.3 | 24 | 0438 1.6 0917 -0.1 1628 1.8 2111 0.3 | 08 | 0438 1.4 0911 0.1 1758 1.9 2202 0.4 | 24 | 0117 1.1 0251 1.1 0608 1.5 1100 0.0 1751 2.0 2208 0.4 | 08 | 0258 1.5 1000 0.1 1815 1.9 2234 0.2 | 24 | 0139 1.2 0338 1.1 0651 1.6 1134 0.0 1821 2.1 2232 0.2 | 08 | 0339 1.6 1043 0.1 1856 1.8 2311 0.1 | 24 | 0239 1.6 0524 1.0 0802 1.4 1158 0.5 1932 1.6 2324 0.0 |
| 09 | 0426 1.6 0845 0.0 1343 1.0 1734 1.9 2138 0.4 | 25 | 0519 1.5 1000 0.0 1711 1.8 2149 0.3 | 09 | 0219 1.4 1002 0.2 1843 1.8 2243 0.4 | 25 | 0147 1.3 0417 1.0 0711 1.4 1200 0.1 1836 2.0 2247 0.4 | 09 | 0302 1.6 1039 0.2 1853 1.8 2304 0.2 | 25 | 0209 1.4 0454 1.0 0747 1.5 1219 0.2 1902 1.9 2304 0.1 | 09 | 0358 1.6 1109 0.2 1930 1.6 2345 0.2 | 25 | 0315 1.6 0626 0.9 0908 1.3 1238 0.7 1611 1.1 1723 1.0 2019 1.3 |
| 10 | 0506 1.4 0923 0.0 1317 1.0 1439 1.0 1815 1.8 2209 0.4 | 26 | 0139 1.2 0351 1.1 0615 1.3 1053 0.1 1758 1.3 2217 0.4 | 10 | 0249 1.5 1056 0.3 1917 1.7 2315 0.4 | 26 | 0215 1.4 0521 0.9 0815 1.3 1306 0.2 1915 1.9 2317 0.3 | 10 | 0324 1.6 1113 0.2 1923 1.7 2338 0.2 | 26 | 0253 1.6 0556 0.9 0845 1.4 1306 0.4 1945 1.7 2345 0.1 | 10 | 0415 1.6 1149 0.3 2006 1.4 | 26 | 0006 0.2 0358 1.6 0715 0.7 1023 1.3 1326 0.9 1628 1.2 1913 0.9 2134 1.1 |
| 11 | 0206 1.3 0553 1.2 1008 0.1 1408 1.0 1524 1.0 1902 1.7 2254 0.5 | 27 | 0200 1.4 0502 0.9 0736 1.2 1158 0.3 1845 1.8 2256 0.4 | 11 | 0317 1.6 0745 1.0 1149 0.4 1958 1.6 2356 0.4 | 27 | 0256 1.6 0609 0.7 0915 1.4 1408 0.3 2000 1.8 2358 0.4 | 11 | 0356 1.6 1158 0.3 2000 1.6 | 27 | 0328 1.6 0651 0.8 0947 1.3 1356 0.5 2024 1.5 | 11 | 0013 0.3 0443 1.4 1224 0.5 1636 1.2 1843 1.1 2102 1.3 | 27 | 0058 0.4 0439 1.4 0800 0.5 1138 1.4 1443 1.1 1658 1.2 2015 0.8 2300 1.1 |
| 12 | 0241 1.5 0606 1.0 0706 1.0 1102 0.3 1508 1.0 1611 1.0 1953 1.6 2330 0.5 | 28 | 0224 1.5 0554 0.7 0851 1.2 1323 0.3 1932 1.8 2330 0.5 | 12 | 0354 1.5 0717 0.9 0858 1.0 1245 0.4 2039 1.5 | 28 | 0334 1.6 0658 0.6 1011 1.4 1504 0.3 2045 1.6 | 12 | 0008 0.3 0421 1.5 1243 0.4 2041 1.5 | 28 | 0021 0.2 0408 1.6 0736 0.7 1051 1.4 1449 0.7 2115 1.3 | 12 | 0058 0.5 0509 1.3 0756 1.1 0932 1.1 1309 0.7 1656 1.2 1943 1.0 2118 1.2 | 28 | 0204 0.7 0513 1.1 0834 0.5 1234 1.5 1623 1.1 1715 1.1 2058 0.7 |
| 13 | 0313 1.5 0654 0.8 0847 1.0 1204 0.4 1609 1.0 1706 1.0 2041 1.4 | 29 | 0258 1.5 0630 0.6 0951 1.3 1441 0.3 2019 1.8 | 13 | 0034 0.5 0423 1.4 0743 0.9 0954 1.1 1343 0.5 2121 1.4 | 29 | 0039 0.5 0409 1.5 0739 0.6 1106 1.5 1554 0.4 2134 1.5 | 13 | 0047 0.4 0456 1.3 0754 1.1 0936 1.1 1330 0.5 2132 1.3 | 29 | 0108 0.4 0454 1.4 0811 0.6 1151 1.4 1547 0.8 1847 1.0 1958 1.0 2243 1.1 | 13 | 0158 0.7 0558 1.0 0730 1.0 1036 1.2 1402 0.8 1713 1.1 2019 0.8 2338 1.2 | 29 | 0013 1.2 0358 0.7 0554 0.8 0856 0.5 1321 1.7 2109 0.7 |
| 14 | 0009 0.7 0353 1.5 0719 0.8 0954 1.0 1313 0.5 1713 1.0 2132 1.4 | 30 | 0006 0.6 0328 1.5 0704 0.5 1041 1.5 1547 0.2 2108 1.7 | 14 | 0117 0.7 0500 1.2 0753 0.9 1038 1.2 1441 0.5 2213 1.4 | 30 | 0124 0.6 0456 1.3 0811 0.6 1158 1.6 1639 0.5 2243 1.3 | 14 | 0132 0.6 0532 1.1 0753 1.0 1026 1.2 1423 0.6 1945 1.0 2243 1.3 | 30 | 0211 0.6 0538 1.2 0851 0.5 1243 1.6 1651 0.9 1854 1.0 2102 0.9 | 14 | 0421 0.7 1123 1.4 1500 0.9 1739 1.1 2058 0.7 | 30 | 0111 1.4 0847 0.5 1404 1.8 1945 0.7 |
| 15 | 0058 0.8 0421 1.3 0751 0.7 1045 1.2 1423 0.6 2226 1.3 | 31 | 0054 0.7 0402 1.4 0741 0.4 1126 1.6 1641 0.2 2204 1.6 | 15 | 0239 0.8 0549 1.0 0736 0.9 1109 1.3 1538 0.5 2328 1.4 | 15 | 0300 0.8 1109 1.3 1517 0.7 1851 1.0 2045 0.9 | 15 | 0300 0.8 1109 1.3 1517 0.7 1851 1.0 2045 0.9 | 31 | 0013 1.2 0402 0.7 0619 0.9 0911 0.5 1332 1.7 1806 0.9 1915 0.9 2136 0.8 | 15 | 0045 1.4 0630 0.5 1206 1.5 1608 1.0 1745 1.1 2124 0.5 | 31 | 0156 1.5 0715 0.2 1449 1.8 1958 0.4 |
| 16 | 0204 0.9 0453 1.1 0758 0.8 1117 1.3 1534 0.5 2334 1.4 | 16 | 0526 0.7 1147 1.5 1626 0.5 | 16 | 0526 0.7 1147 1.5 1626 0.5 | 16 | 0004 1.3 0526 0.6 1154 1.5 1609 0.7 1904 1.0 2117 0.8 | 16 | 0004 1.3 0526 0.6 1154 1.5 1609 0.7 1904 1.0 2117 0.8 | 16 | 0139 1.6 0717 0.2 1254 1.7 2156 0.5 | 16 | 0139 1.6 0717 0.2 1254 1.7 2156 0.5 | 16 | 0139 1.6 0717 0.2 1254 1.7 2156 0.5 |

PORTO DE PARANAGUÁ - CAIS OESTE (ESTADO DO PARANÁ) - 2024

Latitude 25° 30'1 S

Longitude 048° 31'5 W

Fuso +03.0 horas

APPA

54 Componentes

Nível Médio 0.98 m

Carta 1822

| 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 | 0230 | 1.6 | 17 TER | 0336 | 2.1 | 01 SEX | 0302 | 1.8 | 17 DOM | 0500 | 1.9 | 01 DOM | 0319 | 1.8 | 17 TER | 0532 | 1.9 | | | | |
| | 0751 | 0.0 | | 0854 | -0.4 | | 0753 | -0.1 | | 0845 | -0.1 | | 0906 | 0.3 | | 0813 | 0.2 | 0939 | 0.4 | | |
| | 1530 | 1.9 | | 1515 | 2.0 | | 1536 | 1.9 | | 1545 | 1.9 | | 1349 | 1.1 | | 1626 | 1.6 | 1519 | 1.2 | 1626 | 1.6 |
| | 2026 | 0.2 | | 2026 | 0.4 | | 2028 | -0.1 | | 2011 | 0.1 | | 2058 | -0.1 | | 2106 | 0.0 | 2111 | -0.1 | 2178 | 1.3 |
| | | | | | | | | | | | | | | | | | | | | | |
| 02 SEG | 0254 | 1.7 | 18 QUA | 0417 | 2.1 | 02 SAB | 0341 | 1.8 | 18 SEG | 0551 | 1.8 | 02 SEG | 0358 | 1.8 | 18 QUA | 0615 | 1.8 | | | | |
| | 0819 | -0.1 | | 0919 | -0.3 | | 0817 | -0.1 | | 0904 | 2.0 | | 1321 | 1.3 | | 0853 | 0.2 | 1413 | 1.4 | | |
| | 1608 | 1.9 | | 1608 | 2.0 | | 1609 | 1.9 | | 1634 | 1.8 | | 1543 | 1.1 | | 1709 | 1.5 | 1700 | 1.2 | 1832 | 1.2 |
| | 2100 | 0.0 | | 2047 | 0.2 | | 2100 | -0.1 | | 2051 | 0.0 | | 2126 | -0.1 | | 2158 | 0.1 | 2156 | 0.0 | 2245 | 0.2 |
| | | | | | | | | | | | | | | | | | | | | | |
| 03 TER | 0319 | 1.7 | 19 QUI | 0500 | 2.0 | 03 DOM | 0417 | 1.8 | 19 TER | 0253 | 1.0 | 03 TER | 0441 | 1.8 | 19 QUI | 0700 | 1.7 | | | | |
| | 0853 | -0.1 | | 0945 | -0.1 | | 0849 | -0.1 | | 0932 | 0.2 | | 0641 | 1.7 | | 0921 | 0.3 | 1058 | 0.3 | | |
| | 1647 | 1.9 | | 1658 | 2.0 | | 1647 | 1.9 | | 1721 | 1.6 | | 1021 | 0.5 | | 1321 | 1.3 | 1456 | 1.6 | | |
| | 2126 | 0.0 | | 2111 | 0.0 | | 2126 | -0.1 | | 2123 | 0.0 | | 1451 | 1.5 | | 1515 | 1.2 | 1804 | 1.1 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 04 QUA | 0336 | 1.8 | 20 SEX | 0113 | 1.2 | 04 SEG | 0449 | 1.8 | 20 QUA | 0245 | 1.0 | 04 QUA | 0523 | 1.8 | 20 SEX | 0747 | 1.6 | | | | |
| | 0915 | -0.1 | | 0549 | 1.9 | | 0909 | -0.1 | | 0606 | 1.8 | | 0400 | 1.0 | | 0958 | 0.3 | 1139 | 0.4 | | |
| | 1719 | 1.9 | | 1006 | 1.1 | | 1717 | 1.8 | | 1002 | 0.4 | | 0732 | 1.5 | | 1349 | 1.4 | 1538 | 1.6 | | |
| | 2158 | -0.1 | | 1745 | 1.8 | | 2156 | -0.1 | | 1536 | 1.1 | | 1451 | 1.5 | | 1636 | 1.0 | 1858 | 1.0 | | |
| | | | | | | | | | | | | | | | | | | | | | |