

## PORTO DE PARANAGUÁ - CAIS OESTE (ESTADO DO PARANÁ) - 2023

Latitude 25° 30'1.5 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)	
01 DOM	0011 1.6 0417 0.5 1106 1.3 1517 0.7 1828 1.1 2117 0.7	17 TER	0549 0.8 0839 0.7 1245 1.4 1817 0.6	01 QUA	0136 1.6 0558 0.6 1258 1.4 1751 0.5	17 SEX	0109 1.7 0956 0.3 1423 1.7 2024 0.0	01 QUA	0024 1.4 0413 0.9 0604 1.0 0843 0.9 1156 1.2 1551 0.7 1836 0.9 2104 0.7	17 SEX	0211 1.3 0411 1.4 0854 0.2 1308 1.6 1921 0.2	01 SAB	0128 1.6 0719 0.5 1238 1.5 1823 0.4	17 SEG	0128 1.7 0923 0.4 1423 2.0 1945 0.0
02 SEG	0102 1.6 0513 0.5 1219 1.3 1656 0.6 1949 0.9 2149 0.7	18 QUA	0024 1.6 0928 0.6 1347 1.5 1919 0.3	02 QUI	0215 1.7 0702 0.5 1334 1.5 1904 0.4	18 SAB	0208 1.9 1038 0.3 1515 1.9 2100 -0.1	02 QUI	0115 1.5 0645 0.8 1236 1.4 1730 0.6 2049 0.6	18 SAB	0058 1.7 0926 0.2 1400 1.8 2000 0.0	02 DOM	0208 1.7 0736 0.3 1308 1.7 1909 0.2	18 TER	0221 1.8 0743 0.4 1511 2.0 2011 0.0
03 TER	0153 1.7 0608 0.4 1313 1.4 1808 0.4	19 QUI	0123 1.7 1013 0.5 1441 1.7 2013 0.1	03 SEX	0258 1.8 0754 0.4 1400 1.5 2000 0.2	19 DOM	0302 2.0 1119 0.5 1606 2.0 2132 -0.2	03 SEX	0200 1.7 0719 0.5 1306 1.5 1900 0.4	19 DOM	0154 1.8 0958 0.3 1454 1.9 2030 -0.1	03 SEG	0247 1.8 0758 0.1 1347 1.7 1951 0.1	19 QUA	0304 1.8 0751 0.2 1600 2.0 2041 0.0
04 QUA	0232 1.8 0700 0.3 1353 1.5 1906 0.3	20 SEX	0217 1.9 1104 0.5 1534 1.8 2100 0.0	04 SAB	0338 1.8 0836 0.2 1430 1.6 2041 0.1	20 SEG	0353 2.1 0838 0.5 1109 0.8 1219 0.7 1658 2.0 2158 -0.2	04 SAB	0239 1.8 0754 0.3 1338 1.6 1947 0.2	20 SEG	0245 1.9 1008 0.5 1543 2.0 2058 -0.2	04 TER	0321 1.9 0819 0.0 1436 1.8 2019 0.0	20 QUI	0347 1.8 0815 0.0 1649 2.0 2109 0.0
05 QUI	0309 1.8 0751 0.3 1417 1.5 1958 0.2	21 SAB	0311 2.0 0813 0.7 0921 0.8 1200 0.6 1624 1.8 2141 -0.1	05 DOM	0411 1.9 0908 0.2 1508 1.6 2111 0.0	21 TER	0441 2.0 0902 0.3 1221 1.0 1354 0.9 1747 2.0 2223 -0.1	05 DOM	0315 1.9 0821 0.2 1415 1.7 2021 0.0	21 TER	0332 2.0 0815 0.4 1632 2.0 2119 -0.2	05 QUA	0356 2.0 0847 -0.1 1530 1.8 2053 -0.1	21 SEX	0423 1.7 0854 -0.1 1351 1.2 1732 1.9 2147 0.1
06 SEX	0353 1.8 0834 0.3 1434 1.6 2043 0.1	22 DOM	0406 2.0 0841 0.6 1102 0.9 1308 0.7 1717 1.9 2219 -0.1	06 SEG	0451 1.9 0938 0.1 1541 1.7 2145 -0.1	22 QUA	0523 2.0 0936 0.1 1309 1.3 1509 1.1 1834 1.9 2253 0.0	06 SEG	0353 1.9 0851 0.0 1504 1.7 2054 -0.1	22 QUA	0413 1.9 0843 0.1 1713 2.0 2149 -0.1	06 QUI	0430 1.9 0908 -0.1 1615 1.8 2117 -0.1	22 SAB	0454 1.5 0928 -0.1 1454 1.2 1811 1.8 2217 0.2
07 SAB	0430 1.8 0911 0.2 1458 1.6 2117 0.1	23 SEG	0458 2.0 0909 0.5 1211 1.1 1430 0.8 1808 1.8 2254 -0.1	07 TER	0523 1.9 1002 0.1 1628 1.6 2209 -0.1	23 QUI	0604 1.8 1009 0.0 1400 1.5 1623 1.1 1915 1.7 2321 0.1	07 TER	0424 2.0 0913 0.0 1551 1.7 2119 -0.1	23 QUI	0456 1.8 0911 0.0 1308 1.2 1441 1.2 1800 1.9 2213 0.0	07 SEX	0502 1.8 0936 -0.1 1651 1.8 2147 0.0	23 DOM	0309 1.4 1006 0.0 1551 1.2 1858 1.7 2256 0.3
08 DOM	0506 1.9 0949 0.2 1521 1.6 2156 0.0	24 TER	0547 2.0 0953 0.3 1309 1.3 1551 0.9 1900 1.8 2324 0.0	08 QUA	0558 1.9 1026 0.1 1643 1.6 2243 -0.1	24 SEX	0647 1.6 1054 0.0 1449 1.6 1734 1.1 2006 1.5 2358 0.3	08 QUA	0458 2.0 0939 0.0 1638 1.7 2151 -0.1	24 SEX	0538 1.7 0954 -0.1 1354 1.4 1551 1.2 1847 1.8 2249 0.1	08 SAB	0543 1.7 1004 0.0 1724 1.7 2208 0.1	24 SEG	0306 1.5 1054 0.2 1511 1.2 1651 1.2 1945 1.5 2330 0.5
09 SEG	0547 1.8 1015 0.2 1536 1.6 2224 0.0	25 QUA	0628 1.8 1028 0.2 1404 1.5 1658 0.9 1956 1.6	09 QUI	0634 1.8 1056 0.1 1624 1.6 2308 0.0	25 SAB	0724 1.4 1134 0.1 1534 1.6 1839 1.0 2104 1.3	09 QUI	0532 1.9 1002 0.0 1711 1.7 2211 -0.1	25 SAB	0611 1.5 1030 0.0 1436 1.4 1654 1.2 1932 1.6 2319 0.3	09 DOM	0624 1.5 1041 0.1 1756 1.7 2238 0.3	25 TER	0328 1.5 1143 0.4 1558 1.2 1751 1.1 2036 1.4
10 TER	0623 1.8 1049 0.2 1545 1.5 2300 0.1	26 QUI	0002 0.1 0708 1.7 1106 0.1 1456 1.7 1800 0.9 2051 1.5	10 SEX	0708 1.6 1124 0.2 1626 1.5 2343 0.2	26 DOM	0039 0.5 0436 1.3 0706 1.1 0811 1.1 1217 0.2 1615 1.6 1932 0.8 2209 1.2	10 SEX	0604 1.8 1030 0.0 1734 1.7 2243 0.0	26 DOM	0332 1.4 0645 1.2 1109 0.1 1517 1.4 1758 1.1 2019 1.4 2358 0.5	10 SEG	0223 1.3 0500 1.0 0723 1.3 1119 0.2 1841 1.6 2302 0.4	26 QUA	0004 0.6 0354 1.4 0730 0.9 0911 0.9 1241 0.5 1641 1.1 1838 1.0 2128 1.3
11 QUA	0700 1.7 1113 0.2 1554 1.5 2338 0.1	27 SEX	0043 0.3 0751 1.5 1153 0.2 1547 1.7 1900 0.8 2151 1.4	11 SAB	0756 1.5 1200 0.3 1658 1.4	27 SEG	0124 0.7 0502 1.3 0804 1.0 0939 1.0 1309 0.4 1702 1.4 2011 0.7 2321 1.3	11 SAB	0647 1.6 1100 0.1 1747 1.6 2304 0.2	27 SEG	0354 1.4 0711 1.0 0756 1.0 1200 0.3 1602 1.4 1856 1.0 2121 1.2	11 TER	0243 1.4 0800 0.8 0845 1.1 1217 0.4 1938 1.5 2336 0.6	27 QUI	0049 0.8 0409 1.3 0747 0.8 1015 1.0 1351 0.6 1723 1.0 1902 0.9 2226 1.3
12 QUI	0745 1.6 1151 0.3 1611 1.4	28 SAB	0124 0.5 0836 1.3 1239 0.3 1632 1.6 1954 0.7 2253 1.3	12 DOM	0009 0.4 0426 1.1 0558 1.1 0853 1.3 1245 0.4 1745 1.3 2051 0.7	28 TER	0234 0.9 0538 1.2 0836 0.9 1056 1.1 1419 0.6 1749 1.2 2051 0.7	12 DOM	0321 1.2 0458 1.2 0736 1.4 1139 0.2 1828 1.5 2334 0.4	28 TER	0039 0.7 0415 1.4 0749 0.9 0938 1.0 1256 0.5 1649 1.3 1941 0.9 2236 1.2	12 QUA	0300 1.5 0647 0.5 0958 1.2 1351 0.6 2047 1.4	28 SEX	0143 1.0 0413 1.1 0749 0.8 1100 1.2 1504 0.6 2328 1.4
13 SEX	0013 0.3 0826 1.5 1223 0.5 1643 1.3 1908 1.2 2030 1.2	29 DOM	0221 0.6 0608 1.2 0804 1.1 0938 1.1 1334 0.5 1717 1.4 2038 0.7 2354 1.4	13 SEG	0049 0.6 0423 1.1 0702 0.9 1000 1.2 1339 0.6 2139 1.3	29 SEG	0128 0.9 0502 1.3 0804 1.0 0939 1.0 1309 0.4 1702 1.4 2011 0.7 2321 1.3	13 SEG	0319 1.2 0604 0.9 0843 1.2 1223 0.4 1934 1.4	29 QUA	0128 0.9 0443 1.3 0802 0.8 1047 1.1 1402 0.6 1726 1.1 2006 0.8 2345 1.3	13 QUI	0006 0.9 0324 1.5 0721 0.3 1102 1.4 1611 0.5 2200 1.4	29 SAB	0728 0.7 1136 1.4 1624 0.5
14 SAB	0100 0.4 0915 1.4 1308 0.6 1721 1.2 1906 1.2 2132 1.3	30 SEG	0328 0.7 0656 1.1 0856 1.0 1058 1.1 1447 0.6 1806 1.2 2108 0.6	14 TER	0123 0.8 0426 1.1 0754 0.7 1113 1.2 1508 0.7 2258 1.4	30 TER	0234 0.9 0538 1.2 0836 0.9 1056 1.1 1419 0.6 1749 1.2 2051 0.7	14 TER	0000 1.6 0334 0.3 0658 0.7 0958 1.2 1324 0.6 2100 1.3	30 QUI	0309 1.1 0432 1.1 0806 0.8 1152 1.2 1526 0.7 1811 0.9 2021 0.8	14 SEX	0054 1.1 0351 1.5 0758 0.2 1158 1.6 1738 0.3 2309 1.5	30 DOM	0028 1.5 0704 0.5 1204 1.6 1734 0.4
15 DOM	0153 0.6 1017 1.3 1409 0.7 2228 1.3	31 TER	0051 1.5 0447 0.7 0856 1.0 1206 1.2 1611 0.6 1902 0.9 2136 0.7	15 QUA	0213 1.0 0438 1.1 0836 0.5 1224 1.4 1843 0.6	31 SEX	0036 0.9 0351 1.4 0741 0.5 1108 1.3 1528 0.7 2228 1.4	15 QUA	0036 0.9 0351 1.4 0741 0.5 1108 1.3 1528 0.7 2228 1.4	31 SEX	0041 1.5 0743 0.7 1204 1.4 1706 0.6	15 SAB	0151 1.3 0402 1.4 0832 0.2 1249 1.8 1832 0.2	15 SAB	0023 1.6 0900 0.2 1336 1.9 1911 0.0
16 SEG	0258 0.7 0600 0.8 0739 0.8 1134 1.3 1617 0.7 2326 1.4			16 QUI	0006 1.5 0911 0.3 1326 1.5 1943 0.3			16 QUI	0111 1.1 0404 1.4 0813 0.3 1211 1.4 1830 0.5 2351 1.5			16 DOM			

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Latitude 25° 30'1 S

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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)
<b>01</b> SEG 0124 1.6 0708 0.3 1238 1.7 1823 0.2	<b>17</b> QUA 0153 1.6 0658 0.4 1447 1.9 1926 0.2	<b>01</b> QUI 0217 1.7 0719 0.1 1324 1.8 1900 0.3	<b>17</b> SAB 0251 1.5 0745 0.1 1558 1.8 2028 0.4	<b>01</b> SAB 0239 1.7 0739 0.1 1354 1.8 1908 0.7 2102 0.8 2300 0.7	<b>17</b> SEG 0251 1.6 0823 0.1 1624 1.8 2111 0.3	<b>01</b> TER 0358 1.9 0915 -0.2 1541 2.0 2056 0.7 2158 0.7	<b>17</b> QUI 0323 1.7 0917 -0.1 1715 1.9 2158 0.0
<b>02</b> TER 0209 1.7 0726 0.1 1313 1.8 1904 0.2	<b>18</b> QUI 0239 1.6 0721 0.1 1534 1.9 2004 0.2	<b>02</b> SEX 0300 1.8 0751 0.0 1415 1.8 1941 0.4	<b>18</b> DOM 0313 1.5 0821 0.1 1645 1.8 2111 0.3	<b>02</b> DOM 0323 1.7 0817 0.0 1454 1.9 2000 0.7 2156 0.8 2353 0.7	<b>18</b> TER 0304 1.6 0902 0.0 1704 1.9 2151 0.2	<b>02</b> QUA 0013 0.6 0447 1.9 0954 -0.2 1639 2.1 2106 0.6 2358 0.9	<b>18</b> SEX 0347 1.7 0949 -0.1 1751 1.9 2219 0.0
<b>03</b> QUA 0251 1.8 0751 0.0 1358 1.8 1945 0.1	<b>19</b> SEX 0315 1.6 0758 0.0 1619 1.9 2045 0.2	<b>03</b> SAB 0341 1.8 0819 -0.1 1511 1.8 2013 0.4	<b>19</b> SEG 0315 1.5 0902 0.1 1724 1.8 2154 0.3	<b>03</b> SEG 0408 1.8 0902 -0.1 1554 1.9 2039 0.7 2300 0.8	<b>19</b> QUA 0315 1.6 0936 0.0 1743 1.9 2215 0.2	<b>03</b> QUI 0126 0.8 0538 1.8 1028 -0.1 1726 2.1 2141 0.4	<b>19</b> SAB 0409 1.7 1011 -0.1 1823 1.9 2247 0.0
<b>04</b> QUI 0326 1.9 0811 -0.1 1451 1.8 2013 0.1	<b>20</b> SAB 0345 1.6 0832 0.0 1704 1.8 2121 0.2	<b>04</b> DOM 0421 1.7 0858 -0.1 1608 1.9 2053 0.5	<b>20</b> TER 0306 1.5 0943 0.1 1802 1.8 2226 0.3	<b>04</b> TER 0053 0.7 0500 1.7 0951 0.0 1653 2.0 2111 0.6	<b>20</b> QUI 0328 1.6 1006 0.0 1813 1.9 2245 0.1	<b>04</b> SEX 0100 1.1 0300 1.0 0626 1.7 1104 0.0 1809 2.0 2211 0.2	<b>20</b> DOM 0404 1.6 1047 0.0 1856 1.7 2309 0.1
<b>05</b> SEX 0402 1.9 0843 -0.1 1543 1.8 2049 0.1	<b>21</b> DOM 0351 1.5 0908 0.0 1751 1.8 2200 0.3	<b>05</b> SEG 0008 0.9 0111 0.9 0508 1.6 0941 0.0 1700 1.9 2121 0.5	<b>21</b> QUA 0313 1.6 1019 0.2 1843 1.8 2258 0.3	<b>05</b> QUA 0004 1.0 0208 0.8 0556 1.6 1041 0.0 1743 2.0 2153 0.5	<b>21</b> SEX 0341 1.6 1041 0.1 1851 1.9 2306 0.1	<b>05</b> SAB 0151 1.4 0421 1.0 0721 1.6 1141 0.2 1854 1.9 2253 0.1	<b>21</b> SEG 0406 1.6 1111 0.2 1936 1.6 2345 0.2
<b>06</b> SAB 0441 1.8 0908 -0.1 1628 1.8 2111 0.2	<b>22</b> SEG 0256 1.5 0953 0.1 1828 1.7 2239 0.3	<b>06</b> TER 0041 1.1 0253 0.9 0604 1.5 1028 1.1 1753 1.9 2158 0.5	<b>22</b> QUI 0328 1.6 1100 0.2 1915 1.7 2326 0.3	<b>06</b> QUI 0102 1.2 0341 0.9 0656 1.5 1136 0.1 1826 2.0 2224 0.4	<b>22</b> SAB 0353 1.6 1113 0.1 1923 1.7 2338 0.2	<b>06</b> DOM 0234 1.6 0534 0.9 0817 1.5 1219 0.3 1934 1.6 2328 0.1	<b>22</b> TER 0421 1.5 1151 0.4 1608 1.2 1732 1.1 2017 1.4
<b>07</b> DOM 0521 1.6 0947 0.0 1709 1.8 2145 0.3	<b>23</b> TER 0304 1.5 1034 0.2 1906 1.7 2309 0.4	<b>07</b> QUA 0113 1.3 0409 0.8 0709 1.3 1136 0.2 1839 1.9 2236 0.5	<b>23</b> SEX 0347 1.5 1149 0.3 1956 1.7	<b>07</b> SEX 0154 1.4 0456 1.5 0758 1.8 1228 0.2 1908 1.9 2302 0.3	<b>23</b> DOM 0404 1.5 1156 0.3 2000 1.6	<b>07</b> SEG 0315 1.7 0634 0.8 1021 1.4 1304 0.5 2008 1.4	<b>23</b> QUA 0015 0.3 0451 1.4 1224 0.6 1613 1.2 1849 1.0 2121 1.2
<b>08</b> SEG 0124 1.2 0315 1.1 0609 1.4 1024 0.1 1754 1.8 2209 0.4	<b>24</b> QUA 0321 1.5 1119 0.3 1953 1.6 2349 0.5	<b>08</b> QUI 0158 1.5 0515 1.7 0823 1.3 1258 0.3 1923 1.8 2309 0.5	<b>24</b> SAB 0000 0.4 0402 1.4 1239 0.4 2038 1.6	<b>08</b> SAB 0239 1.6 0556 0.7 0858 1.4 1319 0.3 1951 1.7 2347 0.3	<b>24</b> SEG 0006 0.3 0423 1.4 1239 0.4 2045 1.5	<b>08</b> TER 0008 0.2 0402 1.7 0721 0.7 1024 1.3 1400 0.7 1806 1.2 1900 1.2 2054 1.2	<b>24</b> QUI 0102 0.5 0519 1.2 0700 1.1 0934 1.2 1306 0.8 1628 1.2 1941 0.8 2245 1.2
<b>09</b> TER 0147 1.3 0445 0.9 0719 1.2 1117 0.3 1843 1.7 2247 0.5	<b>25</b> QUI 0347 1.5 1213 0.4 2038 1.5	<b>09</b> SEX 0241 1.6 0608 0.5 0928 1.4 1408 0.3 2006 1.7 2354 0.6	<b>25</b> DOM 0034 0.5 0423 1.3 0717 1.0 0928 1.1 1336 0.5 2117 1.5	<b>09</b> DOM 0321 1.7 0651 0.6 0958 1.4 1408 0.4 2028 1.5	<b>25</b> TER 0045 0.5 0454 1.3 0724 1.1 0919 1.2 1326 0.5 2139 1.3	<b>09</b> QUA 0058 0.3 0449 1.5 0804 0.6 1126 1.4 1458 0.8 1813 1.2 2049 1.0 2213 1.1	<b>25</b> SEX 0211 0.7 1043 1.4 1400 0.9 1645 1.2 2019 0.6
<b>10</b> QUA 0209 1.5 0543 0.7 0841 1.2 1239 0.4 1934 1.7 2317 0.6	<b>26</b> SEX 0017 0.6 0402 1.4 0726 0.9 0938 1.0 1317 0.5 2119 1.4	<b>10</b> SAB 0319 1.6 0658 0.4 1023 1.5 1502 0.3 2056 1.6	<b>26</b> SEG 0111 0.7 0449 1.1 0715 1.0 1015 1.3 1436 0.5 2209 1.4	<b>10</b> SEG 0023 0.4 0406 1.6 0736 0.5 1056 1.5 1458 0.5 2108 1.3	<b>26</b> QUA 0128 0.6 0524 1.1 0709 1.0 1015 1.3 1419 0.7 1804 1.0 1947 1.0 2256 1.2	<b>10</b> QUI 0200 0.6 0530 1.3 0845 0.5 1219 1.5 1602 0.8 1858 1.1 2111 1.0 2354 1.1	<b>26</b> SAB 0002 1.3 0643 0.6 1139 1.5 1500 1.1 1654 1.2 2100 0.4
<b>11</b> QUI 0247 1.6 0626 0.4 0953 1.3 1424 0.4 2026 1.6	<b>27</b> SAB 0100 0.8 0417 1.2 0726 0.9 1019 1.2 1424 0.5 2209 1.4	<b>11</b> DOM 0038 0.7 0402 1.6 0741 0.4 1113 1.6 1553 0.3 2147 1.4	<b>27</b> TER 0219 0.8 0502 0.9 0653 0.9 1100 1.4 1538 0.5 2324 1.3	<b>11</b> TER 0111 0.5 0456 1.2 0813 0.5 1149 1.5 1549 0.5 2206 1.2	<b>27</b> QUI 0300 0.8 1106 1.4 1515 0.8 1806 1.0 2043 0.8	<b>11</b> SEX 0338 0.7 0613 0.9 0904 0.6 1308 1.6 1713 0.8 2000 1.0 2113 0.9	<b>27</b> DOM 0106 1.5 0719 0.2 1232 1.7 2139 0.3
<b>12</b> SEX 0000 0.8 0315 1.6 0706 0.3 1051 1.5 1543 0.4 2124 1.5	<b>28</b> DOM 0200 0.9 0406 1.0 0715 0.8 1100 1.4 1536 0.5 2309 1.4	<b>12</b> SEG 0126 0.8 0447 1.3 0813 0.4 1204 1.7 1638 0.3 2249 1.4	<b>28</b> QUA 0602 0.7 1138 1.5 1632 0.6	<b>12</b> QUA 0219 0.7 0549 1.2 0856 0.6 1238 1.6 1641 0.6 2356 1.2	<b>28</b> SEX 0017 1.3 0624 0.6 1156 1.5 1613 0.9 1811 1.0 2123 0.7	<b>12</b> SAB 0058 1.3 0538 0.6 0726 0.6 0902 0.6 1354 1.7 1839 0.7	<b>28</b> SEG 0202 1.7 0758 0.0 1324 1.8 2211 0.3
<b>13</b> SAB 0045 0.9 0353 1.5 0747 0.2 1139 1.6 1643 0.3 2228 1.5	<b>29</b> SEG 0649 0.7 1134 1.5 1639 0.4	<b>13</b> TER 0256 0.9 0538 1.0 0853 0.5 1253 1.8 1721 0.4	<b>29</b> QUI 0051 1.4 0626 0.4 1215 1.6 1723 0.6	<b>13</b> QUI 0409 0.7 0654 0.9 0919 1.6 1321 1.7 1736 0.6	<b>29</b> SAB 0126 1.5 0709 0.3 1247 1.7 2202 0.5	<b>13</b> DOM 0143 1.4 0658 0.3 1436 1.7 1945 0.5	<b>29</b> TER 0253 1.9 0832 -0.2 1423 1.9 2253 0.4
<b>14</b> DOM 0139 1.1 0415 1.3 0817 0.3 1223 1.8 1732 0.2 2339 1.5	<b>30</b> TER 0023 1.5 0639 0.5 1206 1.6 1732 0.4	<b>14</b> QUA 0011 1.3 0513 0.7 0708 0.8 0911 0.7 1338 1.8 1806 0.4	<b>30</b> SEX 0153 1.5 0700 0.2 1300 1.7 1813 0.6 2051 0.8 2211 0.7	<b>14</b> SEX 0111 1.3 0553 0.5 1406 1.7 1834 0.6	<b>30</b> DOM 0221 1.6 0753 0.1 1341 1.8 2247 0.5	<b>14</b> SEG 0211 1.6 0743 0.1 1517 1.8 2028 0.3	<b>30</b> QUA 0339 2.0 0904 -0.3 1523 2.0 2102 0.6 2156 0.6 2328 0.6
<b>15</b> SEG 0851 0.4 1309 1.9 1813 0.2	<b>31</b> QUA 0128 1.6 0656 0.2 1243 1.7 1815 0.3	<b>15</b> QUI 0128 1.4 0615 0.4 1423 1.8 1856 0.4		<b>15</b> SAB 0200 1.4 0654 0.3 1454 1.7 1936 0.5	<b>31</b> SEG 0308 1.8 0834 -0.1 1439 1.9 2326 0.5	<b>15</b> TER 0234 1.6 0817 0.0 1600 1.9 2104 0.2	<b>31</b> QUI 0423 2.0 0930 -0.3 1617 2.0 2054 0.4
<b>16</b> TER 0053 1.5 0858 0.6 1358 1.9 1854 0.1		<b>16</b> SEX 0215 1.5 0702 0.2 1508 1.8 1943 0.4		<b>16</b> DOM 0234 1.5 0743 0.2 1541 1.8 2030 0.4		<b>16</b> QUA 0256 1.7 0853 -0.1 1641 1.9 2134 0.1	

PORTO DE PARANAGUÁ - CAIS OESTE (ESTADO DO PARANÁ) - 2023

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 SEX	0508	2.0	17 DOM	0428	1.8	01 DOM	0524	1.9	17 TER	0443	1.8	01 QUA	0208	1.2	17 SEX	0604	1.7	01 SEX	0651	1.6	17 DOM	0013	0.2
	0217	1.1		0949	-0.1		0945	0.1		0313	1.2		0702	1.6		0556	1.8		0656	1.8			
	0958	-0.2		1756	1.8		1358	1.3		0632	1.6		1021	0.4		1054	0.5		1054	0.5			
	1704	2.0		2217	-0.1		1513	1.2		1023	0.4		1358	1.5		1500	1.5		1419	1.5			
	2117	0.2					1808	1.5		1424	1.4		1709	0.8		1745	0.7		1745	0.7			
02 SAB	0100	1.1	18 SEG	0438	1.7	02 SEG	0130	1.3	18 QUA	0513	1.7	02 QUI	0251	1.2	18 SAB	0002	0.3	02 SAB	0739	1.5	18 SEG	0119	0.3
	0558	1.9		1009	0.0		1404	1.3		0721	1.5		1100	0.6		1130	0.5		1136	0.5			
	1021	0.0		1832	1.6		1638	1.1		1104	0.5		1428	1.5		1532	1.5		1502	1.6			
	1751	1.9		2249	0.0		1900	1.3		1500	1.5		1802	0.6		1953	1.0		1832	0.6			
	2156	0.0					2302	0.2		1819	1.0		2108	1.3					2151	1.4			
03 DOM	0143	1.4	19 TER	0430	1.6	03 TER	0208	1.4	19 QUI	0554	1.6	03 SEX	0324	1.3	19 DOM	0124	0.4	03 DOM	0000	0.3	19 TER	0226	0.3
	0353	1.1		1041	0.2		1041	0.4		0541	1.0		0802	1.6		0824	1.4		0839	1.6			
	0649	1.7		1454	1.3		1421	1.4		0819	1.3		1143	0.7		1208	0.6		1215	0.6			
	1056	0.2		1639	1.2		1053	0.4		1151	0.6		1502	1.6		1602	1.4		1551	1.6			
	1834	1.7		2317	0.1		1449	1.3		1536	1.5		1849	0.5		1921	1.0		1915	0.5			
04 SEG	0221	1.5	20 QUA	0438	1.5	04 QUA	0254	1.4	20 SEX	0702	1.5	04 SAB	0013	0.4	20 SEG	0317	0.4	04 SEG	0051	0.4	20 QUA	0332	0.4
	0502	1.1		1106	0.3		1109	0.6		0402	1.1		0904	1.5		0551	1.0		0932	1.5			
	0743	1.5		1502	1.3		1451	1.5		0624	0.9		1224	0.9		0915	1.4		1306	0.7			
	1126	0.4		1749	1.0		1819	0.7		0921	1.3		1541	1.5		1256	0.7		1636	1.4			
	1911	1.5		2006	1.3		2117	1.2		1236	0.8		1924	0.4		1836	1.3		2000	0.5			