

PORTO DE BELÉM (ESTADO DO PARÁ) - 2018

Latitude 01° 26'.2 S

Longitude 048° 29'.6 W

Fuso +03.0 horas

IAGS

100 Componentes

Nível Médio 1.81 m

Carta 320

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	0013 3.3 0730 0.4 1215 3.4 1956 0.3	17 QUI	0041 3.4 0747 0.3 1251 3.4 2047 0.1	01 SEX	0100 3.1 0743 0.6 1302 3.2 2038 0.5	17 DOM	0158 3.3 0849 0.4 1402 3.4 2156 0.3	01 DOM	0108 3.0 0739 0.7 1306 3.1 2041 0.6	17 TER	0228 3.2 0939 0.4 1428 3.3 2228 0.4	01 QUA	0121 3.0 0821 0.7 1347 3.1 2106 0.6	17 SEX	0323 3.0 1021 0.7 1543 2.9 2211 0.8
02 QUA	0051 3.3 0743 0.5 1258 3.3 2034 0.4	18 SEX	0126 3.4 0832 0.3 1330 3.4 2134 0.3	02 SAB	0134 3.0 0817 0.7 1334 3.1 2049 0.6	18 SEG	0241 3.2 0932 0.5 1454 3.3 2249 0.4	02 SEG	0124 3.0 0821 0.7 1332 3.1 2036 0.6	18 QUA	0326 3.1 1026 0.6 1526 3.1 2236 0.6	02 QUI	0202 3.0 0906 0.7 1423 3.1 2132 0.7	18 SAB	0415 2.9 1051 0.8 1645 2.7 2253 1.0
03 QUI	0123 3.2 0809 0.6 1330 3.2 2051 0.5	19 SAB	0211 3.3 0908 0.5 1413 3.4 2209 0.4	03 DOM	0153 2.9 0830 0.8 1404 3.1 2121 0.7	19 TER	0339 3.1 1021 0.7 1549 3.1 2339 0.6	03 TER	0202 2.9 0834 0.8 1408 3.1 2115 0.7	19 QUI	0421 3.0 1034 0.7 1634 3.0 2309 0.8	03 SEX	0245 2.9 0943 0.8 1509 3.0 2211 0.8	19 DOM	0509 2.8 1136 0.9 1756 2.5 2330 1.1
04 SEX	0156 3.1 0838 0.7 1400 3.1 2121 0.7	20 DOM	0302 3.2 0930 0.6 1506 3.2 2247 0.6	04 SEG	0226 2.8 0902 3.0 1436 3.0 2123 0.8	20 QUA	0447 3.0 1124 0.8 1708 3.0	04 QUA	0232 2.8 0913 0.9 1456 3.0 2156 0.7	20 SEX	0506 2.9 1126 0.8 1741 2.8 2332 0.9	04 SAB	0328 2.9 1036 0.9 1608 2.8 2300 0.8	20 SEG	0611 2.7 1253 1.0 1904 2.5
05 SAB	0226 2.9 0853 0.8 1426 3.0 2119 0.8	21 SEG	0354 3.0 1011 0.8 1613 3.1 2349 0.7	05 TER	0319 2.7 0936 1.0 1521 2.8 2209 0.9	21 QUI	0030 0.7 0551 3.0 1238 0.8 1813 2.9	05 QUI	0323 2.8 1004 0.9 1543 2.9 2241 0.8	21 SAB	0600 2.9 1236 0.9 1845 2.7	05 DOM	0426 2.9 1145 0.9 1719 2.7 2358 0.9	21 TER	0032 1.2 0717 2.8 1408 0.9 2017 2.6
06 DOM	0308 2.7 0913 1.0 1508 2.9 2149 0.9	22 TER	0511 2.9 1113 0.9 1734 3.0	06 QUA	0426 2.7 1023 1.1 1628 2.8 2309 0.9	22 SEX	0115 0.8 0649 3.0 1347 0.8 1915 2.9	06 SEX	0426 2.8 1108 1.0 1645 2.8 2334 0.9	22 DOM	0030 1.0 0700 2.9 1347 0.8 1945 2.7	06 SEG	0536 2.9 1304 0.8 1838 2.7	22 QUA	0221 1.1 0821 2.9 1521 0.8 2119 2.8
07 SEG	0347 2.6 0958 1.1 1609 2.7 2232 1.0	23 QUA	0100 0.7 0621 3.0 1323 0.9 1847 3.0	07 QUI	0534 2.7 1138 1.1 1747 2.7	23 SAB	0200 0.8 0739 3.1 1439 0.7 2017 3.0	07 SAB	0534 2.8 1228 0.9 1756 2.8	23 SEG	0149 1.0 0758 3.0 1508 0.8 2043 2.8	07 TER	0106 0.9 0649 3.0 1417 0.7 1954 2.8	23 QUI	0319 0.9 0919 3.1 1634 0.6 2204 2.9
08 TER	0515 2.5 1058 1.2 1734 2.6	24 QUI	0211 0.7 0723 3.1 1434 0.7 1951 3.1	08 SEX	0024 0.9 0626 2.8 1336 1.0 1853 2.8	24 DOM	0245 0.8 0826 3.1 1623 0.6 2115 3.0	08 DOM	0036 0.9 0630 2.9 1345 0.8 1904 2.8	24 TER	0254 0.9 0853 3.0 1636 0.7 2138 2.8	08 QUA	0221 0.8 0802 3.1 1523 0.6 2106 3.0	24 SEX	0415 0.8 1008 3.2 1730 0.5 2243 3.0
09 QUA	0039 1.0 0619 2.6 1319 1.2 1847 2.7	25 SEX	0323 0.6 0819 3.2 1543 0.6 2045 3.1	09 SAB	0147 0.9 0713 3.0 1441 0.8 1953 2.9	25 SEG	0319 0.8 0915 3.2 1708 0.6 2209 3.0	09 SEG	0149 0.8 0724 3.1 1449 0.7 2011 2.9	25 QUA	0349 0.9 0941 3.1 1732 0.6 2226 2.9	09 QUI	0323 0.7 0908 3.3 1639 0.5 2204 3.1	25 SAB	0509 0.7 1049 3.2 1804 0.5 2319 3.1
10 QUI	0204 0.9 0719 2.8 1438 1.0 1945 2.8	26 SAB	0424 0.6 0909 3.3 1649 0.4 2136 3.2	10 DOM	0253 0.7 0806 3.1 1538 0.6 2049 3.0	26 TER	0408 0.8 1004 3.2 1753 0.5 2247 3.0	10 TER	0258 0.7 0823 3.2 1608 0.6 2119 3.0	26 QUI	0434 0.8 1024 3.2 1756 0.6 2306 3.0	10 SEX	0421 0.5 1006 3.4 1809 0.4 2256 3.2	26 DOM	0553 0.6 1121 3.2 1849 0.4 2345 3.1
11 SEX	0304 0.7 0815 3.0 1534 0.7 2036 3.0	27 DOM	0447 0.6 0949 3.3 1747 0.4 2226 3.2	11 SEG	0347 0.6 0900 3.2 1641 0.5 2145 3.1	27 QUA	0504 0.7 1051 3.2 1841 0.5 2326 3.0	11 QUA	0400 0.6 0923 3.3 1732 0.5 2219 3.1	27 SEX	0526 0.7 1106 3.2 1843 0.5 2343 3.0	11 SAB	0528 0.5 1102 3.5 1900 0.2 2341 3.3	27 SEG	0643 0.5 1147 3.2 1923 0.5
12 SAB	0354 0.6 0904 3.1 1628 0.5 2126 3.1	28 SEG	0541 0.6 1026 3.3 1830 0.4 2315 3.2	12 TER	0441 0.5 0951 3.3 1749 0.4 2241 3.2	28 QUI	0554 0.7 1126 3.2 1906 0.5	12 QUI	0509 0.5 1021 3.4 1838 0.3 2313 3.3	28 SAB	0617 0.7 1145 3.2 1911 0.5	12 DOM	0651 0.4 1153 3.5 1956 0.1	28 TER	0017 3.1 0734 0.5 1217 3.3 1947 0.4
13 DOM	0445 0.5 0938 3.2 1724 0.4 2217 3.2	29 TER	0623 0.6 1109 3.3 1858 0.4 2351 3.1	13 QUA	0539 0.4 1045 3.4 1851 0.2 2334 3.3	29 SEX	0004 3.0 0638 0.7 1204 3.2 1945 0.5	13 SEX	0621 0.4 1111 3.4 1928 0.2	29 DOM	0015 3.0 0647 0.6 1211 3.2 1949 0.5	13 SEG	0030 3.4 0753 0.3 1234 3.5 2045 0.1	29 QUA	0023 3.1 0738 0.6 1251 3.2 2024 0.5
14 SEG	0538 0.4 1024 3.3 1813 0.3 2306 3.3	30 QUA	0630 0.6 1154 3.3 1941 0.4	14 QUI	0639 0.4 1138 3.4 1947 0.1	30 SAB	0039 3.0 0723 0.6 1239 3.2 2008 0.6	14 SAB	0006 3.3 0721 0.4 1204 3.5 2008 0.1	30 SEG	0034 3.0 0736 0.6 1236 3.2 2019 0.5	14 TER	0123 3.3 0847 0.2 1321 3.4 2117 0.3	30 QUI	0102 3.1 0828 0.6 1326 3.2 2039 0.6
15 TER	0628 0.4 1115 3.4 1900 0.2 2354 3.4	31 QUI	0024 3.1 0709 0.6 1228 3.2 2002 0.5	15 SEX	0023 3.4 0736 0.3 1223 3.5 2038 0.1	15 SEX	0023 3.4 0736 0.3 1223 3.5 2038 0.1	15 DOM	0049 3.3 0808 0.3 1258 3.5 2058 0.1	31 TER	0053 3.0 0819 0.7 1308 3.2 2034 0.5	15 QUA	0213 3.3 0932 0.4 1413 3.3 2143 0.4	31 SEX	0136 3.1 0843 0.7 1404 3.1 2115 0.6
16 QUA	0706 0.3 1202 3.4 1954 0.1			16 SAB	0113 3.4 0824 0.3 1309 3.5 2113 0.2	16 SAB	0113 3.4 0824 0.3 1309 3.5 2113 0.2	16 SEG	0134 3.3 0849 0.3 1343 3.4 2149 0.2			16 QUI	0232 3.2 0943 0.5 1504 3.1 2153 0.7		

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 SAB	0208 3.0 0924 0.7 1449 3.0 2154 0.7	17 SEG	0419 2.7 1058 1.0 1700 2.4 2253 1.2	01 SEG	0239 3.1 1002 0.7 1532 2.8 2209 0.8	17 QUA	0432 2.6 1124 1.1 1741 2.4 2308 1.3	01 QUI	0445 2.9 1238 0.8 1800 2.8	17 SAB	0036 1.3 0609 2.7 1336 0.9 1900 2.7	01 SAB	0030 0.9 0600 3.0 1330 0.7 1853 3.0	17 SEG	0104 1.1 0617 2.7 1321 0.9 1858 2.9
02 DOM	0245 3.0 1013 0.8 1539 2.8 2239 0.8	18 TER	0536 2.6 1221 1.1 1815 2.4 2351 1.3	02 TER	0334 3.0 1100 0.8 1639 2.7 2302 0.9	18 QUI	0558 2.6 1304 1.0 1853 2.5	02 SEX	0008 1.0 0626 2.9 1353 0.7 1915 2.9	18 DOM	0204 1.0 0717 2.8 1439 0.8 1953 2.9	02 DOM	0151 0.8 0708 3.1 1428 0.6 1949 3.1	18 TER	0223 0.9 0719 2.8 1430 0.8 1947 3.0
03 SEG	0341 2.9 1111 0.8 1647 2.7 2330 0.9	19 QUA	0651 2.7 1354 1.0 1934 2.5	03 QUA	0447 2.9 1219 0.8 1813 2.7	19 SEX	0138 1.3 0709 2.7 1424 0.8 1956 2.7	03 SAB	0158 0.8 0738 3.1 1504 0.6 2017 3.1	19 SEG	0304 0.8 0817 2.9 1528 0.6 2034 3.1	03 SEG	0306 0.6 0811 3.2 1530 0.6 2036 3.3	19 QUA	0321 0.7 0819 2.9 1526 0.7 2032 3.2
04 TER	0451 2.9 1228 0.8 1819 2.6	20 QUI	0158 1.2 0800 2.8 1506 0.8 2041 2.7	04 QUI	0011 1.0 0638 2.9 1356 0.7 1938 2.8	20 SAB	0249 1.0 0817 2.9 1523 0.6 2049 3.0	04 DOM	0323 0.6 0836 3.2 1615 0.5 2111 3.3	20 TER	0356 0.6 0908 3.1 1613 0.5 2121 3.2	04 TER	0419 0.5 0909 3.2 1636 0.6 2121 3.4	20 QUI	0419 0.6 0919 3.0 1619 0.6 2124 3.3
05 QUA	0036 0.9 0639 2.9 1356 0.7 1947 2.8	21 SEX	0306 1.0 0856 3.0 1604 0.6 2134 3.0	05 SEX	0145 0.9 0754 3.1 1526 0.6 2041 3.1	21 DOM	0343 0.7 0909 3.1 1609 0.5 2136 3.1	05 SEG	0438 0.4 0926 3.3 1658 0.4 2153 3.4	21 QUA	0449 0.5 0949 3.2 1654 0.5 2204 3.3	05 QUA	0511 0.4 1004 3.2 1621 0.6 2208 3.4	21 SEX	0523 0.5 1015 3.1 1713 0.5 2217 3.4
06 QUI	0156 0.9 0800 3.1 1524 0.6 2056 3.0	22 SAB	0402 0.7 0945 3.1 1649 0.5 2213 3.1	06 SAB	0319 0.7 0856 3.3 1641 0.4 2134 3.3	22 SEG	0434 0.5 0947 3.2 1654 0.4 2215 3.2	06 TER	0541 0.3 1019 3.4 1751 0.4 2228 3.4	22 QUI	0545 0.4 1036 3.2 1743 0.4 2239 3.4	06 QUI	0558 0.4 1043 3.2 1723 0.6 2247 3.4	22 SAB	0621 0.4 1106 3.2 1809 0.4 2308 3.4
07 SEX	0309 0.7 0902 3.3 1647 0.5 2151 3.2	23 DOM	0453 0.6 1023 3.2 1738 0.4 2247 3.2	07 DOM	0436 0.5 0947 3.4 1741 0.3 2221 3.4	23 TER	0521 0.5 1026 3.2 1741 0.4 2232 3.3	07 QUA	0628 0.3 1109 3.3 1841 0.4 2311 3.4	23 SEX	0643 0.3 1124 3.3 1836 0.4 2328 3.4	07 SEX	0653 0.3 1124 3.1 1821 0.6 2324 3.3	23 DOM	0709 0.3 1156 3.3 1847 0.4
08 SAB	0419 0.6 1000 3.4 1754 0.3 2238 3.3	24 SEG	0543 0.5 1054 3.3 1811 0.4 2324 3.2	08 SEG	0549 0.3 1032 3.4 1828 0.3 2306 3.4	24 QUA	0602 0.4 1102 3.3 1824 0.4 2315 3.3	08 QUI	0700 0.3 1143 3.3 1908 0.5 2353 3.4	24 SAB	0736 0.3 1209 3.3 1921 0.4	08 SAB	0734 0.4 1208 3.1 1843 0.6	24 SEG	0000 3.5 0758 0.2 1241 3.3 1941 0.3
09 DOM	0543 0.4 1051 3.5 1851 0.2 2326 3.4	25 TER	0636 0.5 1126 3.3 1851 0.4 2330 3.2	09 TER	0647 0.2 1119 3.5 1900 0.3 2334 3.4	25 QUI	0653 0.4 1141 3.3 1854 0.4 2349 3.3	09 SEX	0751 0.3 1223 3.2 1926 0.5	25 DOM	0013 3.4 0813 0.3 1258 3.3 1951 0.4	09 DOM	0006 3.3 0754 0.5 1243 3.0 1926 0.6	25 TER	0053 3.5 0853 0.1 1324 3.3 2034 0.4
10 SEG	0653 0.3 1132 3.5 1941 0.2	26 QUA	0709 0.5 1158 3.3 1934 0.4	10 QUA	0736 0.2 1209 3.4 1947 0.3	26 SEX	0745 0.4 1224 3.3 1938 0.4	10 SAB	0026 3.3 0824 0.4 1304 3.1 1951 0.6	26 SEG	0102 3.4 0854 0.3 1339 3.2 2028 0.5	10 SEG	0049 3.3 0828 0.5 1317 3.0 1953 0.7	26 QUA	0132 3.5 0943 0.2 1417 3.3 2126 0.5
11 TER	0015 3.4 0749 0.2 1219 3.5 2008 0.2	27 QUI	0009 3.2 0747 0.5 1236 3.3 1951 0.4	11 QUI	0015 3.4 0800 0.3 1245 3.3 2013 0.5	27 SAB	0030 3.3 0830 0.4 1308 3.3 2015 0.5	11 DOM	0106 3.3 0845 0.5 1339 3.0 2023 0.7	27 TER	0151 3.4 0945 0.4 1423 3.1 2108 0.6	11 TER	0119 3.2 0849 0.6 1343 2.9 2028 0.8	27 QUI	0217 3.4 1026 0.4 1513 3.1 2215 0.6
12 QUA	0039 3.4 0836 0.2 1309 3.4 2047 0.3	28 SEX	0043 3.2 0834 0.5 1315 3.2 2028 0.5	12 SEX	0058 3.3 0845 0.4 1323 3.2 2024 0.5	28 DOM	0109 3.3 0845 0.5 1353 3.2 2041 0.6	12 SEG	0143 3.1 0911 0.7 1413 2.9 2039 0.8	28 QUA	0232 3.3 1036 0.6 1519 3.0 2147 0.7	12 QUA	0145 3.1 0919 0.7 1421 2.8 2032 0.9	28 SEX	0313 3.3 1051 0.6 1613 3.0 2223 0.8
13 QUI	0121 3.3 0856 0.4 1349 3.3 2111 0.5	29 SAB	0119 3.2 0836 0.6 1358 3.1 2100 0.6	13 SAB	0132 3.2 0911 0.5 1402 3.0 2049 0.7	29 SEG	0156 3.2 0928 0.6 1436 3.0 2113 0.7	13 TER	0215 3.0 0932 0.8 1441 2.7 2108 1.0	29 QUI	0323 3.2 1130 0.7 1630 2.9 2230 0.9	13 QUI	0217 3.0 0921 0.8 1451 2.7 2108 1.0	29 SAB	0424 3.1 1143 0.7 1713 3.0
14 SEX	0206 3.2 0934 0.5 1426 3.1 2115 0.7	30 DOM	0153 3.1 0917 0.6 1443 3.0 2134 0.7	14 DOM	0208 3.1 0928 0.7 1438 2.8 2109 0.9	30 TER	0243 3.1 1008 0.7 1524 2.9 2158 0.8	14 QUA	0245 2.9 0932 0.9 1534 2.6 2138 1.1	30 SEX	0436 3.0 1230 0.7 1747 2.9	14 SEX	0304 2.9 0951 0.8 1545 2.7 2200 1.1	30 DOM	0015 0.8 0541 3.0 1243 0.8 1809 3.0
15 SAB	0239 3.0 0943 0.7 1511 2.8 2143 0.9	31 QUA	0153 3.1 0917 0.6 1443 3.0 2134 0.7	15 SEG	0243 2.9 0943 0.8 1523 2.6 2130 1.0	31 QUA	0332 3.0 1039 0.8 1634 2.8 2254 0.9	15 QUI	0330 2.7 1019 1.0 1649 2.5 2228 1.2	31 SEG	0402 2.8 1041 0.9 1656 2.7 2317 1.2	15 SAB	0402 2.8 1041 0.9 1656 2.7 2317 1.2	31 SEG	0123 0.8 0647 2.9 1338 0.8 1908 3.1
16 DOM	0321 2.9 1015 0.9 1554 2.6 2206 1.0	16 DOM	0321 2.9 1015 0.9 1554 2.6 2206 1.0	16 TER	0323 2.8 1019 1.0 1626 2.5 2208 1.2	16 TER	0323 2.8 1019 1.0 1626 2.5 2208 1.2	16 SEX	0449 2.6 1130 1.0 1758 2.6	16 DOM	0513 2.7 1147 0.9 1800 2.8	16 DOM	0513 2.7 1147 0.9 1800 2.8	16 DOM	0513 2.7 1147 0.9 1800 2.8