

TERMINAL PORTUÁRIO DA PONTA DO FÉLIX (ESTADO DO PARANÁ) - 2018

Latitude 25° 27.3 S

Longitude 048° 40.7 W

Fuso +03.0 horas

APPA

31 Componentes

Nível Médio 1.09 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 SEG 0358 2.4 0838 0.1 1606 2.0 2028 -0.1	17 QUA 0315 2.0 0851 0.2 1224 1.4 1402 1.4 1706 1.8 2158 -0.4	01 QUI 0511 2.4 0939 0.1 1711 2.1 2138 -0.3	17 SAB 0411 2.2 0936 0.0 1308 1.4 1404 1.3 1745 2.0 2245 -0.3	01 QUI 0406 2.4 0849 0.1 1604 2.1 2043 -0.2	17 SAB 0313 2.2 0839 0.1 1645 2.2 2147 -0.4	01 DOM 0502 2.1 0938 -0.1 1654 2.2 2126 -0.3	17 TER 0445 2.0 0926 -0.1 1251 1.3 1419 1.1 1753 2.3 2221 -0.2
Z				Z	&		
02 TER 0039 0.8 0449 2.4 0909 0.0 1654 2.0 2106 -0.2	18 QUI 0345 2.1 0921 1.0 1308 1.5 1421 1.4 1743 1.8 2238 -0.3	02 SEX 0102 1.0 0202 0.9 0600 2.2 1009 0.1 1445 1.3 1758 2.0 2209 -0.4	18 DOM 0500 2.2 1006 0.0 1339 1.4 1504 1.3 1824 2.0 2311 -0.2	02 SEX 0453 2.3 0915 0.0 1647 2.2 2111 -0.3	18 DOM 0402 2.2 0908 0.0 1349 1.2 1721 2.2 2211 -0.3	02 SEG 0109 1.3 0249 1.2 0553 1.9 1003 -0.2 1738 2.1 2202 -0.3	18 QUA 0539 1.9 1006 -0.2 1319 1.4 1521 1.1 1847 2.1 2300 0.0
03 QUA 0013 0.9 0145 0.8 0536 2.4 0954 0.1 1306 1.3 1426 1.2 1739 1.9 2154 -0.3	19 SEX 0423 2.1 0924 0.1 1339 1.5 1502 1.5 1809 1.7 2308 -0.2	03 SAB 0139 1.1 0313 1.0 0649 2.1 1056 0.1 1421 1.5 1551 1.4 1843 1.9 2256 -0.3	19 SEG 0551 2.0 0938 0.0 1409 1.5 1608 1.3 1915 1.9 2353 -0.1	03 SAB 0532 2.2 0958 -0.1 1723 2.1 2156 -0.4	19 SEG 0451 2.1 0951 -0.1 1308 1.4 1447 1.2 1804 2.2 2249 -0.2	03 TER 0147 1.5 0402 1.2 0641 1.7 1054 -0.1 1819 1.9 2247 -0.2	19 QUI 0356 1.3 0639 1.7 1054 -0.1 1402 1.5 1626 1.0 1945 2.0 2347 0.2
04 QUI 0102 1.0 0245 0.9 0621 2.2 1032 0.2 1347 1.4 1532 1.2 1823 1.8 2234 -0.2	20 SAB 0508 2.1 1034 0.1 1408 1.5 1558 1.4 1854 1.7 2349 -0.1	04 DOM 0219 1.3 0434 1.0 0739 1.9 1136 0.2 1504 1.5 1656 1.4 1932 1.8 2336 -0.2	20 TER 0651 1.9 1130 0.1 1453 1.6 1715 1.1 2017 1.8	04 DOM 0130 1.2 0256 1.1 0613 2.0 1036 0.0 1804 2.0 2232 -0.3	20 TER 0541 2.0 1026 -0.1 1351 1.5 1549 1.2 1900 2.0 2321 -0.1	04 QUA 0223 1.7 0509 1.1 0738 1.6 1138 0.0 1602 1.6 1708 1.6 1908 1.7 2321 -0.1	20 SEX 0304 1.4 0509 1.1 0747 1.5 1141 0.1 1449 1.5 1732 0.8 2049 1.9
05 SEX 0145 1.1 0347 0.9 0713 2.1 1108 0.3 1421 1.5 1632 1.2 1911 1.8 2309 -0.2	21 DOM 0600 2.0 1108 0.2 1441 1.5 1658 1.3 1951 1.7	05 SEG 0302 1.4 0545 0.9 0834 1.7 1211 0.3 1547 1.5 1756 1.3 2021 1.7	21 QUA 0028 0.1 0800 1.7 1209 0.2 1509 0.6 1813 0.9 2119 1.8	05 SEG 0208 1.4 0413 1.2 0706 1.8 1108 0.0 1521 1.6 1802 1.5 1856 1.9 2306 -0.3	21 QUA 0641 1.8 1106 0.0 1423 1.5 1654 1.1 2000 1.9	05 QUI 0304 1.8 0609 1.0 0839 1.4 1217 0.1 1626 1.6 1823 1.2 2006 1.6	21 SAB 0028 0.5 0338 1.4 0608 0.9 0853 1.5 1224 0.2 1521 1.4 1823 0.6 2149 1.9
06 SAB 0223 1.2 0453 0.9 0806 1.9 1156 0.4 1504 1.5 1724 1.1 2004 1.7 2358 -0.1	22 SEG 0019 0.1 0704 1.9 1154 0.2 1509 1.6 1756 1.1 2053 1.7	06 TER 0011 0.0 0345 1.6 0643 0.8 0926 1.6 1300 0.4 1621 1.5 1847 1.1 2113 1.7	22 QUI 0113 0.4 0456 1.2 0634 1.1 0906 1.6 1300 0.4 1604 1.5 1904 0.7 2221 1.8	06 TER 0247 1.6 0530 1.1 0802 1.6 1156 0.1 1549 1.6 1738 1.5 1951 1.7 2353 -0.1	22 QUI 0002 0.1 0354 1.3 0515 1.3 0753 1.6 1156 0.1 1504 1.6 1756 0.9 2102 1.9	06 SEX 0002 0.1 0347 1.9 0702 0.8 0941 1.4 1308 0.3 1704 1.5 1906 1.3 2104 1.5	22 DOM 0115 0.8 0406 1.4 0700 0.7 0953 1.5 1313 0.4 1604 1.3 1909 0.4 2247 1.9
07 DOM 0309 1.3 0556 0.8 0902 1.8 1241 0.5 1549 1.5 1811 1.0 2058 1.7	23 TER 0102 0.2 0813 1.7 1241 0.4 1553 1.5 1845 0.9 2151 1.7	07 QUA 0058 0.1 0423 1.6 0730 0.7 1023 1.6 1354 0.6 1702 1.4 1919 1.0 2206 1.7	23 SEX 0206 0.6 0721 0.9 1011 1.5 1358 0.6 1647 1.4 1954 0.5 2324 1.9	07 QUA 0324 1.7 0628 0.9 0902 1.5 1243 0.3 1619 1.5 1832 1.3 2049 1.6	23 SEX 0054 0.4 0405 1.3 0626 1.0 0900 1.5 1247 0.3 1549 1.5 1851 0.7 2204 1.9	07 SAB 0051 0.4 0421 0.8 0751 0.7 1039 1.4 1406 0.5 1754 1.3 1928 1.2 2200 1.4	23 SEG 0211 1.0 0443 1.7 0743 0.6 1047 1.6 1409 0.6 1649 1.2 1956 0.3 2345 2.0
08 SEG 0043 0.1 0356 1.4 0653 0.7 0958 1.8 1323 0.7 1623 1.4 1858 0.9 2151 1.7	24 QUA 0154 0.4 0923 1.7 1326 0.5 1623 1.5 1924 0.7 2249 1.8	08 QUI 0147 0.3 0504 1.6 0811 0.6 1119 1.6 1453 0.7 1751 1.2 1958 0.9 2300 1.6	24 SAB 0530 1.0 0802 0.7 1117 1.5 1500 0.8 1715 1.2 2034 0.4	08 QUI 0034 0.1 0406 1.8 0715 0.7 1002 1.5 1328 0.4 1700 1.4 1908 1.2 2143 1.5	24 SAB 0145 0.7 0438 1.3 0711 0.8 1004 1.5 1339 0.5 1621 1.4 1934 0.5 2306 1.9	08 DOM 0136 0.6 0502 1.7 0823 0.6 1132 1.5 1521 0.6 2247 1.5	24 TER 0326 1.1 0500 1.2 0809 0.5 1136 1.7 1513 0.7 1717 1.0 2034 0.3
09 TER 0123 0.3 0438 1.4 0741 0.6 1053 1.7 1413 0.7 1704 1.3 1939 0.8 2238 1.7	25 QUI 0253 0.6 0602 0.9 0700 0.9 1024 1.7 1421 0.7 1742 1.3 2004 0.5 2349 1.9	09 SEX 0234 0.5 0551 1.5 0900 0.6 1213 1.7 1609 0.7 1845 1.0 2009 0.9 2353 1.6	25 DOM 0030 2.0 0849 0.6 1226 1.6 1621 0.8 1753 0.9 2106 0.3	09 SEX 0111 0.3 0449 1.8 0802 0.6 1100 1.5 1426 0.6 1747 1.3 1949 1.1 2236 1.5	25 DOM 0247 1.0 0500 1.2 0758 0.6 1106 1.5 1439 0.7 1700 1.2 2009 0.3	09 SEG 0219 0.8 0541 1.5 0858 0.7 1219 1.6 1654 0.5 2319 1.6	25 QUA 0039 2.0 0847 0.5 1226 1.8 1653 0.7 1758 0.7 2102 0.3
10 QUA 0209 0.4 0519 1.4 0821 0.5 1145 1.8 1517 0.8 1753 1.1 2004 0.8 2323 1.8	26 SEX 0423 0.7 0638 0.8 0753 0.7 1124 1.7 1528 0.8 1745 1.1 2051 0.4	10 SAB 0324 0.7 0638 1.4 0945 0.6 1309 1.7 1758 0.6	26 SEG 0136 2.1 0908 0.6 1339 1.7 2141 0.3	10 SAB 0200 0.5 0524 1.7 0849 0.6 1158 1.6 1547 0.7 1956 1.0 2324 1.5	26 SEG 0008 2.0 0838 0.5 1206 1.6 1556 0.8 1732 0.9 2053 0.3	10 TER 0313 0.9 0609 1.3 0915 0.7 1231 1.8 1806 0.3 2343 1.7	26 QUI 0134 2.1 0851 0.6 1317 1.9 1843 0.5 1956 0.5 2124 0.5
11 QUI 0304 0.5 0606 1.3 0904 0.6 1238 1.8 1656 0.8 1853 0.9 2028 0.8	27 SAB 0053 2.1 0643 0.6 1236 1.7 1704 0.8 1808 0.8 2126 0.4	11 DOM 0043 1.7 0438 0.8 0736 1.2 1023 0.7 1404 1.8 1900 0.3	27 TER 0234 2.3 0747 0.5 1439 1.9 1943 0.3	11 DOM 0256 0.7 0604 1.5 0921 0.6 1254 1.7 1723 0.6	27 TER 0109 2.1 0900 0.5 1306 1.8 2119 0.3	11 QUA 0428 0.9 0649 1.0 0936 0.8 1353 1.9 1902 0.0	27 SEX 0221 2.1 0743 0.4 1408 2.0 1911 0.3
12 SEX 0013 1.8 0404 0.6 0702 1.2 0956 0.7 1332 1.8 1624 0.5	28 DOM 0154 2.2 0711 0.5 1402 1.8 2158 0.4	12 SEG 0134 1.7 0602 0.7 0856 1.1 1102 0.9 1454 1.9 1949 0.0	28 QUA 0323 2.3 0809 0.3 1524 2.0 2006 0.0	12 SEG 0013 1.6 0358 0.9 0654 1.3 0956 0.7 1343 1.8 1639 0.3	28 QUA 0206 2.2 0819 0.6 1400 1.9 1934 0.3	12 QUI 0019 1.8 0641 0.8 0821 0.8 0945 0.8 1428 2.0 1945 -0.1	28 SAB 0308 2.1 0804 0.2 1456 2.1 1953 0.1
13 SAB 0104 1.8 0519 0.7 0815 1.1 1047 0.8 1421 1.9 1915 0.2	29 SEG 0254 2.3 0753 0.3 1502 1.9 1945 0.2	13 TER 0215 1.8 0706 0.6 1013 1.1 1139 1.0 1534 2.0 2023 -0.2		13 TER 0041 1.7 0524 0.9 0758 1.0 1015 0.8 1423 1.9 1923 0.0	29 QUI 0258 2.2 0800 0.3 1449 2.1 1949 0.1	13 SEX 0109 2.0 0713 0.5 1502 2.1 2013 -0.3	29 DOM 0356 2.1 0841 0.0 1543 2.2 2023 -0.1
14 DOM 0154 1.8 0636 0.5 0947 1.1 1143 1.0 1508 1.9 2000 0.0	30 TER 0345 2.4 0821 0.2 1553 2.0 2017 0.0	14 QUA 0226 1.9 0754 0.4 1604 2.0 2102 -0.4		14 QUA 0119 1.8 0654 0.7 1502 2.0 2004 -0.2	30 SEX 0341 2.2 0824 0.1 1532 2.2 2015 -0.1	14 SAB 0206 2.1 0745 0.3 1545 2.3 2053 -0.3	30 SEG 0009 1.2 0113 1.2 0439 2.0 0811 -0.2 1623 2.1 2100 -0.2
15 SEG 0239 1.9 0728 0.4 1054 1.2 1241 1.1 1558 1.9 2043 -0.2	31 QUA 0428 2.4 0900 0.1 1634 2.1 2058 -0.2	15 QUI 0249 2.0 0828 2.0 1641 2.0 2141 -0.4		15 QUI 0139 1.9 0738 0.5 1539 2.1 2045 -0.3	31 SAB 0419 2.2 0900 0.0 1609 2.2 2056 -0.3	15 DOM 0300 2.1 0811 0.1 1619 2.3 2115 -0.3	
16 TER 0306 1.9 0808 0.2 1145 1.4 1324 1.3 1636 1.9 2117 -0.3	Z	16 SEX 0328 2.1 0900 0.1 1706 2.0 2208 -0.4		16 SEX 0226 2.1 0804 0.3 1608 2.2 2111 -0.4		16 SEG 0353 2.1 0853 0.0 1208 1.2 1317 1.1 1702 2.3 2151 -0.3	

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	0041 1.4 0239 1.3 0521 1.9 0956 -0.2 1702 2.0 2143 -0.2	17 QUI	0539 1.8 0956 -0.2 1302 1.3 1500 0.9 1832 2.2 2247 0.1	01 SEX	0130 1.7 0423 1.3 0645 1.6 1100 -0.2 1411 1.2 2236 0.1	17 DOM	0209 1.4 0424 1.1 0715 1.7 1106 -0.1 1411 1.2 1643 0.8 2008 2.0 2356 0.5	01 DOM	0154 1.7 0449 1.4 0654 1.6 1121 -0.2 1654 1.9 2249 0.2	17 TER	0243 1.4 0454 1.1 0745 1.8 1139 -0.1 1451 1.3 1723 0.8 2039 1.9	01 QUA	0238 1.5 0419 1.4 0721 1.7 1209 0.0 1819 1.9 2336 0.2	17 SEX	0045 0.4 0358 1.5 0608 1.1 0856 1.8 1239 0.1 1600 1.6 1902 0.7 2200 1.6	
02 QUA	0117 1.6 0351 1.3 0609 1.7 1036 -0.2 1745 1.9 2215 -0.1	18 SEX	0202 1.4 0353 1.2 0638 1.7 1041 -0.1 1347 1.3 1602 0.9 1928 2.1 2324 0.3	02 SAB	0215 1.8 0524 1.2 0738 1.5 1149 -0.1 1658 1.8 2309 0.2	18 SEG	0256 1.5 0519 1.0 0809 1.7 1158 0.0 1500 1.2 1745 0.7 2104 1.9	02 SEG	0234 1.6 0545 1.4 0739 1.5 1124 -0.1 1739 1.9 2321 0.3	18 QUA	0015 0.5 0321 1.4 0549 1.1 0834 1.8 1215 0.0 1532 1.3 1819 0.7 2132 1.8	02 QUI	0306 1.5 0524 1.3 0817 1.7 1254 0.1 1934 1.8	18 SAB	0128 0.5 0439 1.4 0658 1.0 0945 1.7 1317 0.3 1641 1.6 1954 0.5 2258 1.6	C
03 QUI	0200 1.8 0458 1.2 0706 1.5 1113 -0.1 1728 1.7 2258 0.0	19 SAB	0236 1.4 0456 1.1 0738 1.6 1121 0.0 1424 1.3 1702 0.8 2028 2.0	03 DOM	0300 1.8 0615 1.1 0832 1.4 1234 0.1 1743 1.7 2354 0.4	19 TER	0045 0.6 0334 1.4 0606 0.9 0902 1.7 1245 0.2 1543 1.2 1839 0.6 2200 1.9	03 TER	0311 1.6 0609 1.3 0823 1.5 1253 0.1 1839 1.8	19 QUI	0102 0.6 0452 1.4 0634 1.0 0919 1.8 1302 0.2 1613 1.4 1909 0.6 2221 1.8	03 SEX	0011 0.3 0338 1.5 0613 1.1 0915 1.7 1334 0.3 2051 1.7	19 DOM	0221 0.6 0513 1.2 0738 0.9 1039 1.7 1404 0.5 1721 1.6 2038 0.5 2353 1.7	
04 SEX	0241 1.8 0558 1.0 0808 1.4 1202 0.0 1647 1.7 2341 0.2	20 DOM	0008 0.5 0308 1.5 0554 0.9 0836 1.6 1208 0.1 1508 1.3 1800 0.6 2126 1.9	04 SEG	0339 1.7 0700 1.1 0921 1.4 1323 0.2 1858 1.6	20 QUA	0128 0.8 0409 1.4 0656 0.8 0954 1.7 1328 0.3 1623 1.2 1923 0.5 2251 1.9	04 QUA	0000 0.4 0341 1.5 0636 1.2 0909 1.5 1338 0.2 1958 1.7	20 SEX	0156 0.7 0449 1.3 0708 0.9 1008 1.8 1353 0.3 1658 1.4 2000 0.5 2313 1.7	04 SAB	0102 0.4 0408 1.4 0700 0.9 1013 1.8 1421 0.5 2156 1.7	20 SEG	0334 0.7 0600 1.0 0800 0.8 1128 1.7 1500 0.7 1804 1.5 2115 0.5	V
05 SAB	0321 1.9 0651 0.9 0908 1.4 1256 0.2 1723 1.6	21 SEG	0100 0.7 0351 1.5 0641 0.8 0926 1.6 1300 0.3 1554 1.3 1854 0.5 2221 1.9	05 TER	0036 0.5 0411 1.6 0723 1.0 1008 1.5 1419 0.3 2038 1.6	21 QUI	0219 0.9 0454 1.3 0734 0.7 1039 1.8 1415 0.4 1708 1.2 2006 0.5 2341 1.9	05 QUI	0049 1.5 0406 1.4 0658 1.1 1000 1.6 1424 0.3 2106 1.7	21 SAB	0254 0.8 0523 1.2 0751 0.8 1100 1.8 1441 0.5 1745 1.4 2049 0.5	05 DOM	0158 0.6 0449 1.3 0747 0.7 1113 1.9 1528 0.7 2258 1.7	21 TER	0047 1.7 0508 0.6 0706 0.8 0758 0.7 1221 1.7 1600 0.8 1858 1.3 2200 0.6	
06 DOM	0017 0.4 0402 1.8 0724 0.8 1004 1.4 1353 0.3 2051 1.4	22 TER	0156 0.9 0421 1.4 0713 0.6 1017 1.7 1356 0.4 1634 1.2 1941 0.4 2315 1.9	06 QUA	0113 0.6 0439 1.4 0745 0.9 1056 1.6 1528 0.4 2143 1.7	22 SEX	0323 0.9 0528 1.1 0800 0.7 1051 1.7 1508 0.6 1758 1.1 2054 0.5	06 SEX	0136 0.6 0438 1.3 0726 0.9 1051 1.7 1528 0.5 2208 1.8	22 DOM	0006 1.8 0404 0.8 0606 0.9 0811 0.7 1151 1.8 1534 0.6 1834 1.3 2132 0.6	06 SEG	0258 0.7 0519 1.1 0823 0.5 1215 2.0 1800 0.7	22 QUA	0139 1.8 0630 0.4 1313 1.7 1710 0.8 2004 1.1 2245 0.8	
07 SEG	0102 0.6 0439 1.2 0800 0.8 1058 1.5 1456 0.4 2139 1.5	23 QUA	0256 1.0 0458 1.2 0754 0.6 1106 1.8 1453 0.6 1711 1.0 2015 0.4	07 QUI	0204 0.7 0512 1.3 0800 0.8 1138 1.7 1649 0.4 2232 1.8	23 SAB	0030 1.8 0339 0.8 0602 0.9 0828 0.7 1211 1.9 1609 0.6 1858 1.0 2139 0.6	07 SAB	0223 0.7 0508 1.2 0800 0.7 1143 1.9 1702 0.5 2306 1.8	23 SEG	0102 1.8 0554 0.6 1241 1.8 1638 0.7 1939 1.2 2217 0.7	07 TER	0002 1.7 0408 0.8 0600 0.9 0900 0.4 1319 2.1 1900 0.5	23 QUI	0226 1.9 0547 0.1 1402 1.8 1839 0.7 2138 1.1 2323 1.0	
08 TER	0154 0.7 0508 1.5 0821 0.8 1147 1.6 1613 0.4 2217 1.6	24 QUI	0008 2.0 0421 1.0 0513 1.0 0819 0.6 1156 1.9 1556 0.6 1802 0.9 2058 0.4	08 SEX	0300 0.8 0530 1.1 0824 0.7 1221 1.8 1758 0.3 2321 1.9	24 DOM	0121 1.9 0639 0.6 1302 1.9 1723 0.6 2017 1.0 2228 0.8	08 DOM	0324 0.7 0549 1.0 0843 0.6 1239 2.0 1817 0.4	24 TER	0158 1.8 0658 0.4 1336 1.8 1754 0.7 2058 1.1 2311 0.9	08 QUA	0123 1.7 0939 0.4 1421 2.2 1930 0.4	24 SEX	0309 2.0 0802 -0.2 1439 1.8 1934 0.5 2300 1.2	
09 QUA	0247 0.8 0538 1.3 0841 0.8 1226 1.7 1736 0.3 2304 1.8	25 SEX	0100 2.0 0843 0.6 1243 1.9 1709 0.6 1917 0.7 2136 0.6	09 SAB	0406 0.8 0604 0.9 0856 0.6 1309 2.0 1851 0.2	25 SEG	0213 1.9 0715 0.3 1356 1.9 1836 0.5 2153 1.1 2338 1.0	09 SEG	0006 1.8 0451 0.7 0624 0.8 0917 0.5 1341 2.1 1902 0.3	25 QUA	0253 1.9 0743 0.1 1428 1.8 1900 0.5 2208 1.2	09 QUI	0236 1.9 0723 0.3 1517 2.4 2004 0.2	25 SAB	0000 1.1 0354 2.0 0845 -0.3 1432 1.9 2008 0.3	
10 QUI	0347 0.9 0558 1.1 0856 0.7 1306 1.9 1834 0.1 2353 1.9	26 SAB	0153 2.0 0715 0.5 1334 2.0 1823 0.5	10 DOM	0017 1.9 0528 0.7 0709 0.7 0932 0.6 1402 2.2 1924 0.1	26 TER	0306 1.9 0800 0.0 1451 1.9 1926 0.3 2253 1.3	10 TER	0124 1.8 0624 0.6 0817 0.6 0954 0.8 1439 2.3 1945 0.2	26 QUI	0009 1.0 0338 1.9 0817 -0.1 1509 1.9 1953 0.4 2309 1.3	10 SEX	0328 2.0 0800 0.1 1606 2.4 2045 0.1	26 DOM	0423 2.0 0915 -0.4 1504 2.0 2047 0.2	Z
11 SEX	0506 0.8 0615 0.8 0913 0.7 1351 2.0 1913 0.0	27 DOM	0243 2.0 0747 0.2 1423 2.0 1911 0.3 2341 1.0	11 SEG	0124 1.9 0649 0.5 1456 2.3 2000 0.0	27 QUA	0049 1.1 0358 1.9 0839 -0.1 1538 1.9 2008 0.2 2339 1.4	11 QUA	0245 1.9 0723 0.3 1534 2.4 2015 0.1	27 SEX	0104 1.2 0415 1.9 0900 -0.3 1534 1.9 2034 0.2	11 SAB	0411 2.1 0839 -0.1 1656 2.4 2113 0.1	27 SEG	0456 2.0 0956 -0.4 1541 2.1 2115 0.1	
12 SAB	0041 2.0 0638 0.6 1434 2.2 1954 -0.1	28 SEG	0328 2.0 0813 0.0 1511 2.1 1956 0.1 2326 1.3	12 TER	0245 1.9 0736 0.2 1549 2.4 2036 0.0	28 QUI	0153 1.2 0445 1.9 0913 -0.3 1608 1.9 2054 0.1	12 QUI	0345 1.9 0806 0.1 1109 0.7 1158 0.7 1623 2.4 2056 0.1	28 SAB	0004 1.4 0156 1.3 0458 1.9 0943 -0.4 1528 1.9 2106 0.2	12 DOM	0456 2.1 0911 -0.3 1345 0.9 1741 2.3 2158 0.0	28 TER	0523 2.0 1028 -0.3 1621 2.1 2153 0.0	
13 DOM	0139 2.0 0715 0.4 1515 2.3 2021 -0.2	29 TER	0104 1.2 0411 1.9 0858 -0.2 1558 2.0 2038 0.0	13 QUA	0351 1.9 0815 0.0 1121 0.9 1239 0.8 1638 2.4 2106 0.0	29 SEX	0021 1.6 0249 1.3 0523 1.8 1000 -0.3 1617 1.9 2132 0.1	13 SEX	0434 2.0 0853 -0.1 1200 0.8 1306 0.8 1711 2.4 2134 0.1	29 DOM	0053 1.5 0228 1.4 0534 1.8 1015 -0.4 1600 2.0 2147 0.1	13 SEG	0115 1.3 0204 1.3 0539 2.1 0956 -0.3 1313 1.1 1451 0.9 1824 2.1 2238 0.1	29 QUA	0558 1.9 1100 -0.2 1708 2.1 2224 0.0	
14 SEG	0247 2.0 0754 0.2 1602 2.4 2056 -0.2	30 QUA	0008 1.5 0211 1.2 0502 1.8 0936 -0.2 1639 1.9 2111 0.0	14 QUI	0445 1.9 0900 -0.1 1204 1.0 1343 0.9 1726 2.4 2151 0.0	30 SAB	0108 1.6 0347 1.3 0606 1.7 1043 -0.3 1615 1.9 2206 0.1	14 SAB	0045 1.2 0156 1.0 0519 2.0 0928 -0.2 1239 0.9 1408 0.8 1802 2.3 2208 0.1	30 SEG	0128 1.5 0300 1.5 0600 1.8 1058 -0.3 1641 2.0 2215 0.1	14 TER	0158 1.4 0306 1.3 0619 2.0 1036 -0.3 1358 1.2 1600 1.0 1915 1.9 2311 0.2	30 QUI	0204 1.5 0336 1.4 0647 1.9 1138 -0.1 1802 1.9 2304 0.1	
15 TER	0349 2.0 0832 0.0 1153 1.0 1300 1.0 1653 2.4 2126 -0.2	31 QUI	0051 1.6 0317 1.3 0554 1.7 1011 -0.3 1654 1.8 2156 0.0	15 SEX	0102 1.3 0215 1.2 0536 1.9 0947 -0.2 1251 1.1 1441 0.8 1817 2.3 2226 0.2	15 SEX	0021 1.6 0249 1.3 0523 1.8 1000 -0.3 1617 1.9 2132 0.1	15 DOM	0113 1.3 0258 1.2 0604 2.0 1008 -0.3 1317 1.1 1509 0.9 1854 2.2 2256 0.2	31 TER	0211 1.5 0321 1.5 0638 1.7 1138 -0.2 1723 2.0 2256 0.2	15 QUA	0238 1.4 0411 1.3 0706 1.9 1109 -0.2 1438 1.4 1706 0.9 2008 1.8 2358 0.3	31 SEX	0236 1.5 0447 1.3 0749 1.8 1209 0.1 1911 1.7 2353 0.2	
16 QUA	0445 2.0 0909 -0.1 1219 1.2 1400 1.0 1741 2.3 2202 -0.1			16 SAB	0136 1.4 0323 1.2 0624 1.8 1023 -0.2 1326 1.2 1539 0.8 1911 2.1 2306 0.3	16 SEG	0200 1.4 0356 1.2 0654 1.9 1056 -0.2 1404 1.2 1615 0.9 1947 2.0 2338 0.3	16 SEG		16 QUI	0315 1.5 0513 1.3 0800 1.8 1156 -0.1 1517 1.5 1808 0.8 2104 1.7					

TERMINAL PORTUÁRIO DA PONTA DO FÉLIX (ESTADO DO PARANÁ) - 2018

Latitude 25° 27.3 S

Longitude 048° 40.7 W

Fuso +03.0 horas

APPA

31 Componentes

Nível Médio 1.09 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 SAB	0308 1.5	17	0202 0.5	01	0013 0.2	17	0253 0.5	01	0153 0.5	17	0008 1.7	01	0217 0.5	17	0004 1.7
	0551 1.1	SEG	0508 1.3	SEG	0321 1.5	QUA	0606 1.1	QUI	0421 1.2	SAB	0454 0.3	SAB	0456 1.1	SEG	0521 0.4
	0853 1.8		0719 1.0		0617 0.8		0723 1.1		0736 1.0		1100 1.6		0800 0.3		1100 1.8
	1258 0.3		1013 1.6		0936 1.8		1049 1.5		1117 2.0		1515 0.9		1147 1.9		1538 0.8
	1751 1.2		1343 0.5		1313 0.6		1400 0.7		1500 1.1		1754 1.1		1545 1.0		1747 1.0
2034 1.6		1700 1.7		1611 1.3		1715 1.6		1649 1.2		2053 0.8		1700 1.1		2043 0.7	
		2017 0.5		1854 0.8		2039 0.6		1954 0.5				2002 0.5			
		2330 1.6		2138 1.5				2313 1.7				2332 1.8			
02 DOM	0041 0.3	18	0308 0.6	02	0106 0.4	18	0000 1.7	02	0254 0.7	18	0054 1.8	02	0317 0.7	18	0051 1.9
	0349 1.5	TER	0600 1.0	TER	0402 1.4	QUI	0406 0.5	SEX	0500 1.0	DOM	0600 0.2	DOM	0539 1.0	TER	0623 0.3
	0643 0.8		0751 0.9		0704 0.5		1134 1.6		0809 0.3		1126 1.8		0843 0.4		1154 1.8
	0954 1.3		1108 1.6		1038 1.9		1458 0.9		1215 2.0		1626 0.8		1239 2.0		1656 0.8
	1349 0.6		1428 0.7		1411 0.9		1756 1.4		2023 0.5		1806 0.9		2030 0.5		1806 0.8
1658 1.1		1743 1.6		1645 1.2		2104 0.6				2100 0.7				2102 0.6	
1856 1.0		2100 0.5		1936 0.6											
2147 1.5				2239 1.5											
03 SEG	0132 0.5	19	0023 1.7	03	0204 0.6	19	0049 1.8	03	0006 1.8	19	0134 1.9	03	0019 1.9	19	0139 2.0
	0419 1.4	QUA	0441 0.6	QUA	0441 1.2	SEX	0452 0.3	SAB	0406 0.7	SEG	0654 0.0	SEG	0630 0.8	QUA	0706 0.1
	0724 0.6		1200 1.6		0753 0.3		1211 1.7		0541 0.8		1211 1.9		0917 0.5		1253 1.9
	1056 1.9		1526 0.9		1139 2.0		1604 0.9		0849 0.3		1853 0.7		1328 2.0		1832 0.6
	1451 0.8		1824 1.3		1534 1.0		1839 1.1		1309 2.1				2023 0.5		
1711 1.0		2138 0.6		1700 1.1		2126 0.7		2045 0.5							
1947 0.7				2006 0.5											
2251 1.6				2338 1.7											
04 TER	0232 0.7	20	0111 1.8	04	0311 0.7	20	0130 1.9	04	0056 2.0	20	0209 2.1	04	0109 2.0	20	0230 2.2
	0500 1.2	QUI	0602 0.4	QUI	0508 1.0	SAB	0632 0.1	DOM	0913 0.4	TER	0734 -0.1	TER	0600 0.6	QUI	0749 0.0
	0804 0.4		1249 1.7		0828 0.3		1747 0.8		1402 2.1		1306 2.0		0956 0.7		1415 1.9
	1158 2.0		1643 0.9		1241 2.1		1958 0.9		1934 0.4		1906 0.5		1419 2.0		1917 0.3
	2017 0.6		1921 1.1		2045 0.5		2138 0.8						1934 0.3		
2354 1.6		2204 0.7													
05 QUA	0349 1.0	21	0202 1.9	05	0038 1.8	21	0208 2.0	05	0147 2.1	21	0253 2.2	05	0202 2.1	21	0319 2.3
	0536 1.8	SEX	0700 0.1	SEX	0900 0.3	DOM	0715 -0.1	SEG	0658 0.3	QUA	0804 -0.2	QUA	0656 0.4	SEX	0815 0.0
	0849 0.3		1332 1.8		1339 2.2		1241 1.9		1451 2.1		1409 2.0		1506 2.0		1521 2.0
	1302 2.1		1819 0.7		2051 0.5		1900 0.6		1954 0.2		1936 0.2		2002 0.0		1958 0.1
	2053 0.6		2100 0.9												
		2223 0.9													
06 QUI	0106 1.8	22	0247 2.0	06	0134 1.9	22	0249 2.1	06	0236 2.1	22	0336 2.3	06	0254 2.1	22	0408 2.4
	0917 0.3	SAB	0745 -0.2	SAB	0913 0.4	SEG	0758 -0.3	TER	0732 0.1	QUI	0841 -0.2	QUI	0739 0.2	SAB	0854 0.0
	1402 2.2		1330 1.9		1432 2.2		1324 2.0		1534 2.1		1513 2.0		1106 1.1		1613 2.0
	1930 0.5		1913 0.5		1947 0.4		1930 0.4		2019 0.0		2008 0.0		1228 1.2		2041 -0.1
													1558 2.0		
												2041 -0.2			
07 SEX	0208 1.9	23	0317 2.1	07	0224 2.1	23	0317 2.2	07	0319 2.2	23	0419 2.3	07	0343 2.1	23	0000 0.9
	0736 0.3	DOM	0817 -0.3	DOM	0730 0.2	TER	0832 -0.3	QUA	0804 0.0	SEX	0908 -0.2	SEX	0831 0.1	DOM	0058 0.9
	1458 2.3		1358 2.0		1517 2.3		1417 2.1		1613 2.0		1609 2.0		1151 1.4		0500 2.4
	1958 0.3		1953 0.3		2008 0.1		1958 0.2		2058 -0.2		2053 -0.1		1347 1.2		0928 0.0
													1645 1.9		1704 2.0
												2113 -0.3		2117 -0.2	
08 SAB	0300 2.0	24	0354 2.1	08	0308 2.2	24	0356 2.2	08	0402 2.2	24	0009 1.1	08	0424 2.0	24	0032 1.0
	0751 0.1	SEG	0858 -0.4	SEG	0800 -0.1	QUA	0900 -0.4	QUI	0845 -0.1	SAB	0119 1.0	SAB	0856 0.0	SEG	0200 0.9
	1547 2.4		1436 2.1		1602 2.2		1511 2.1		1217 1.4		0506 2.3		1224 1.6		0551 2.3
	2024 0.1		2019 0.2		2045 0.0		2028 0.0		1402 1.2		0949 -0.1		1451 1.2		1004 0.1
									1702 1.9		1704 1.9		1726 1.8		1313 1.3
								2136 -0.3		2132 -0.2		2158 -0.4		1453 1.2	
														1756 1.9	
														2202 -0.3	
09 DOM	0347 2.1	25	0421 2.1	09	0354 2.2	25	0436 2.3	09	0451 2.1	25	0053 1.2	09	0502 1.9	25	0109 1.1
	0819 -0.1	TER	0928 -0.4	TER	0834 -0.2	QUI	0934 -0.3	SEX	0917 -0.1	DOM	0224 1.0	DOM	0938 0.0	TER	0302 0.9
	1628 2.3		1523 2.1		1645 2.1		1604 2.1		1256 1.6		0600 2.2		1308 1.7		0645 2.2
	2100 0.0		2054 0.0		2113 -0.1		2102 -0.1		1509 1.2		1019 0.0		1554 1.2		1053 0.2
									1754 1.8		1347 1.4		1815 1.7		1356 1.4
								2209 -0.3		1504 0.3		2241 -0.3		1554 1.1	
														1849 1.8	
														2251 -0.2	
10 SEG	0424 2.2	26	0456 2.1	10	0436 2.2	26	0151 1.2	10	0534 1.9	26	0123 1.3	10	0536 1.8	26	0158 1.2
	0858 -0.3	QUA	1000 -0.4	QUA	0906 -0.3	SEX	0517 2.2	SAB	0958 -0.1	SEG	0328 1.0	SEG	1011 0.1	QUA	0404 0.9
	1711 2.2		1609 2.1		1251 1.3		1002 -0.2		1334 1.8		0656 2.1		1356 1.8		0741 2.0
	2139 -0.1		2124 -0.1		1735 1.2		1700 1.9		1619 1.2		1102 0.2		1809 1.6		1132 0.4
					1726 2.0		2149 -0.2		1849 1.6		1409 1.4		1919 1.6		1430 1.5
				2156 -0.2				2258 -0.2		1613 1.2		2319 -0.2		1654 1.1	
										1902 1.7				1943 1.8	
										2300 -0.1				2332 -0.1	
11 TER	0504 2.2	27	0106 1.4	11	0513 2.1	27	0106 1.3	11	0617 1.8	27	0206 1.3	11	0432 1.7	27	0241 1.2
	0934 -0.3	QUI	0201 1.3	QUI	0949 -0.3	SAB	0253 1.2	DOM	1039 0.0	TER	0436 0.9	TER	1056 0.2	QUI	0509 0.8
	1306 1.2		0538 2.1		1319 1.5		0608 2.1		1413 1.9		0800 2.0		1438 1.8		0838 1.9
	1434 1.1		1032 -0.2		1538 1.2		1043 0.0		1721 1.1		1153 0.4		1536 1.8		1211 0.5
	1758 2.0		1700 2.0		1813 1.8		1800 1.8		1949 1.5		1453 1.5		1756 1.1		1508 1.5
2209 -0.1		2202 -0.1		2234 -0.2		2226 -0.1		2345 -0.1		1715 1.0		2008 1.5		1749 1.0	
										2002 1.6				2036 1.7	
										2351 0.0					
12 QUA	0551 2.1	28	0134 1.4	12	0600 2.0	28	0149 1.4	12	0417 1.6	28	0253 1.3	12	0006 -0.1	28	0011 0.1
	1006 -0.3	SEX	0306 1.3	SEX	1019 -0.2	DOM	0356 1.1	SEG	0556 1.5	QUA	0538 0.7	QUA	0504 1.7	SEX	