

Latitude 27° 35'.3 S

Longitude 048° 33'.4 W

Fuso +03.0 horas

DNPVN

57 Componentes

Nível Médio 0.64 m

Carta 1902

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 0558 1.0 0947 0.4 1326 0.8 1811 0.6 1900 0.9 2330 0.4	17 SEX 0043 0.6 0341 0.3 0708 0.8 1021 0.5 1404 0.8 1654 0.6 1941 0.9 2253 0.5	01 SAB 0100 0.5 0251 0.5 0700 0.9 1045 0.4 1400 0.7 1647 0.5 1956 0.8 2323 0.6	17 SEG 0206 1.0 0543 0.4 0843 0.7 1151 0.5 1436 0.6 1730 0.4 2109 0.8 2330 0.7	01 DOM 0045 0.6 0239 0.5 0624 0.9 1011 0.4 1336 0.6 1549 0.5 1904 0.9 2213 0.6	17 TER 0156 1.1 0536 0.4 0815 0.7 1123 0.5 1404 0.6 1658 0.4 2026 0.8 2245 0.7	01 QUA 0030 0.9 0434 0.4 0743 0.8 1054 0.5 1306 0.6 1619 0.3	17 SEX 0228 0.9 0649 0.4 1047 0.9 1738 0.3
02 QUI 0647 0.9 1023 0.5 1356 0.8 1654 0.6 1956 0.8	18 SAB 0124 0.7 0443 0.3 0806 0.8 1113 0.6 1438 0.8 1726 0.5 2039 0.9 2338 0.6	02 DOM 0054 0.6 0402 0.5 0753 0.9 1124 0.5 1413 0.7 1711 0.4 2056 0.8	18 TER 0253 1.0 0639 0.4 1004 0.7 1319 0.6 1800 0.3	02 SEG 0051 0.7 0353 0.5 0708 0.9 1053 0.4 1351 0.6 1628 0.5 2000 0.8 2217 0.7	18 QUA 0234 1.0 0624 0.4 0951 0.7 1353 0.6 1732 0.3	02 QUI 0034 1.0 0519 0.3 0851 0.8 1128 0.6 1321 0.6 1708 0.2	18 SAB 0004 0.9 0709 0.4 1143 1.0 1808 0.2
03 SEX 0315 0.4 0741 0.9 1109 0.5 1411 0.8 1719 0.5 2054 0.8	19 DOM 0209 0.8 0545 0.3 0915 0.7 1226 0.6 1451 0.7 1758 0.4 2149 0.9	03 SEG 0502 0.4 0847 0.9 1217 0.6 1423 0.6 1747 0.3 2323 0.9	19 QUA 0328 0.9 0728 0.4 1130 0.8 1832 0.2	03 TER 0054 0.8 0451 0.5 0804 0.8 1124 0.5 1354 0.6 1704 0.3	19 QUI 0254 0.9 0709 0.4 1109 0.8 1802 0.2	03 SEX 0043 1.1 0604 0.3 0958 0.8 1758 0.1	19 DOM 0017 1.0 0719 1.1 1232 0.4 1849 0.2
04 SAB 0423 0.4 0841 0.9 1211 0.6 1436 0.7 1753 0.4 2208 0.9	20 SEG 0045 0.7 0300 0.8 0645 0.3 1036 0.8 1821 0.3 2323 0.9	04 TER 0556 0.4 0943 0.9 1809 0.2	20 QUI 0043 1.0 0811 0.4 1238 1.0 1902 0.1	04 QUA 0045 0.9 0541 0.4 0906 0.8 1206 0.6 1351 0.6 1745 0.2	20 SEX 0036 0.9 0749 0.4 1209 1.0 1839 0.1	04 SAB 0100 1.2 0649 0.2 1111 0.9 1849 0.0	20 SEG 0047 1.1 0654 0.4 1313 1.2 1923 0.1
05 DOM 0517 0.4 0938 0.9 1811 0.3 2317 0.9	21 TER 0219 0.8 0351 0.8 0739 0.3 1151 0.9 1854 0.2	05 QUA 0017 1.0 0645 0.3 1041 0.9 1847 0.1	21 SEX 0109 1.0 0854 0.4 1324 1.1 1941 0.0	05 QUI 0049 1.1 0624 0.3 1011 0.8 1821 0.1	21 SAB 0051 1.0 0806 0.4 1302 1.1 1909 0.1	05 DOM 0123 1.3 0723 0.2 1226 1.0 1941 -0.1	21 TER 0115 1.1 0632 0.3 1358 1.2 1956 0.2
06 SEG 0606 0.3 1030 0.9 1841 0.3	22 QUA 0036 1.0 0830 0.4 1251 0.9 1924 0.1	06 QUI 0100 1.1 0724 0.3 1151 0.9 1923 0.1	22 SAB 0147 1.1 0921 0.5 1406 1.2 2013 0.0	06 SEX 0108 1.2 0708 0.2 1132 0.9 1906 0.0	22 DOM 0113 1.1 0717 0.4 1349 1.2 1949 0.0	06 SEG 0154 1.3 0756 0.3 1321 1.1 2036 -0.1	22 QUA 0151 1.2 0645 0.3 1436 1.2 2034 0.2
07 TER 0006 1.0 0654 0.3 1123 1.0 1902 0.2	23 QUI 0119 1.1 0924 0.4 1341 1.0 2000 0.1	07 SEX 0145 1.2 0808 0.3 1306 1.0 2009 0.0	23 DOM 0215 1.2 0704 0.4 1451 1.2 2051 0.0	07 SAB 0143 1.3 0754 0.2 1258 1.0 1958 -0.1	23 SEG 0149 1.2 0649 0.3 1423 1.3 2023 0.0	07 TER 0217 1.3 0817 0.3 1406 1.2 2134 0.0	23 QUI 0224 1.2 0708 0.2 1506 1.2 2058 0.3
08 QUA 0054 1.1 0738 0.3 1221 1.0 1938 0.1	24 SEX 0200 1.1 0617 0.6 0708 0.6 1024 0.5 1421 1.1 2041 0.0	08 SAB 0224 1.3 0854 0.3 1400 1.1 2102 -0.1	24 SEG 0253 1.2 0726 0.3 1523 1.2 2123 0.0	08 DOM 0213 1.3 0832 0.3 1351 1.1 2053 -0.1	24 TER 0221 1.2 0711 0.3 1500 1.3 2054 0.1	08 QUA 0249 1.2 0747 0.4 1453 1.3 2236 0.1	24 SEX 0258 1.1 0734 0.2 1545 1.2 2121 0.3
09 QUI 0141 1.2 0817 0.3 1317 1.0 2017 0.1	25 SAB 0241 1.1 0656 0.5 0919 0.6 1119 0.6 1502 1.1 2111 0.0	09 DOM 0306 1.3 0939 0.4 1447 1.1 2158 -0.1	25 TER 0328 1.2 0756 0.3 1600 1.2 2149 0.1	09 SEG 0251 1.3 0904 0.4 1430 1.2 2147 -0.1	25 QUA 0258 1.2 0736 0.2 1536 1.3 2124 0.1	09 QUI 0317 1.1 0732 0.3 1534 1.3 1923 0.4 2100 0.5 2351 0.3	25 SAB 0332 1.1 0800 0.2 1611 1.2 2047 0.4
10 SEX 0226 1.3 0904 0.3 1406 1.1 2106 0.1	26 DOM 0311 1.1 0726 0.4 1043 0.6 1502 0.6 1547 1.1 2145 0.1	10 SEG 0347 1.3 1021 0.5 1524 1.2 2254 0.0	26 QUA 0402 1.2 0819 0.3 1636 1.2 2209 0.2	10 TER 0319 1.3 0909 0.4 1506 1.2 2245 0.0	26 QUI 0336 1.2 0800 0.2 1604 1.2 2138 0.2	10 SEX 0356 1.0 0751 0.3 1609 1.2 1954 0.4 2221 0.7	26 DOM 0404 1.0 0824 0.2 1651 1.1 2058 0.5
11 SAB 0311 1.3 0958 0.4 1454 1.1 2202 0.1	27 SEG 0351 1.2 0800 0.4 1245 0.7 1619 1.1 2208 0.1	11 TER 0417 1.2 0836 0.5 1604 1.2	27 QUI 0441 1.1 0849 0.3 1704 1.1 2211 0.3	11 QUA 0354 1.2 0806 0.4 1551 1.3 2006 0.3 2100 0.4 2354 0.2	27 SEX 0406 1.1 0823 0.2 1641 1.1 2126 0.3	11 SAB 0109 0.4 0434 0.9 0809 0.2 1654 1.1 2019 0.4 2323 0.9	27 SEG 0445 0.9 0856 0.2 1723 1.0 2108 0.6 2356 0.7
12 DOM 0358 1.2 1100 0.5 1538 1.1 2300 0.1	28 TER 0423 1.1 0830 0.3 1700 1.1 2223 0.2	12 QUA 0000 0.1 0453 1.1 0843 0.5 1651 1.2 2047 0.3 2247 0.4	28 SEX 0509 1.1 0911 0.3 1745 1.0 2202 0.4	12 QUI 0421 1.1 0813 0.3 1628 1.2 2015 0.3 2239 0.5	28 SAB 0443 1.1 0854 0.2 1709 1.1 2121 0.4	12 DOM 0226 0.5 0511 0.9 0849 0.2 1736 1.0 2056 0.4	28 TER 0213 0.6 0526 0.9 0915 0.3 1156 0.4 1328 0.4 1802 1.0 2117 0.7
13 SEG 0439 1.2 0845 0.6 1006 0.6 1209 0.6 1617 1.0	29 QUA 0500 1.1 0900 0.3 1300 0.7 1411 0.7 1741 1.0 2230 0.3	13 QUI 0113 0.2 0521 1.0 0902 0.4 1353 0.7 1734 1.1 2109 0.3 2351 0.6	29 SAB 0551 1.0 0945 0.3 1319 0.6 1451 0.6 1819 0.9 2204 0.5	13 SEX 0109 0.3 0458 1.0 0839 0.3 1708 1.1 2051 0.3 2341 0.7	29 DOM 0513 1.0 0917 0.3 1751 1.0 2132 0.5	13 SEG 0011 1.1 0332 0.5 0600 0.8 0921 0.2 1354 0.5 1811 0.9 2124 0.5	29 QUA 0002 0.8 0328 0.6 0617 0.8 0951 0.4 1204 0.5 1441 0.4 1854 0.9 2115 0.8
14 TER 0009 0.2 0509 1.1 0858 0.6 1145 0.7 1338 0.7 1704 1.0 2100 0.3 2254 0.4	30 QUI 0539 1.0 0930 0.3 1315 0.7 1509 0.7 1815 0.9 2243 0.4	14 SEX 0226 0.3 0600 0.9 0932 0.4 1345 0.8 1519 0.7 1815 1.0 2151 0.4	30 SAB 0600 0.9 0932 0.4 1345 0.8 1519 0.7 1815 1.0 2151 0.4	14 SAB 0226 0.4 0538 0.9 0906 0.2 1756 1.0 2117 0.4	30 SEG 0011 0.7 0224 0.6 0556 0.9 0951 0.3 1300 0.5 1417 0.5 1832 0.9 2145 0.6	14 TER 0058 1.1 0428 0.5 0658 0.7 1009 0.3 1315 0.5 1515 0.5 1900 0.8 2158 0.5	30 QUI 0009 0.9 0419 0.5 0717 0.7 1021 0.5 1232 0.6 1547 0.3 2000 0.8 2058 0.8
15 QUA 0128 0.2 0549 1.0 0913 0.6 1247 0.8 1500 0.7 1756 1.0 2128 0.3 2353 0.5	31 SEX 0613 1.0 1004 0.4 1339 0.7 1602 0.6 1902 0.9 2302 0.5	15 SAB 0041 0.8 0336 0.4 0645 0.8 1006 0.4 1402 0.8 1613 0.7 1906 0.9 2219 0.5	31 SAB 0041 0.8 0336 0.4 0645 0.8 1006 0.4 1402 0.8 1613 0.7 1906 0.9 2219 0.5	15 DOM 0028 0.9 0336 0.4 0615 0.8 0947 0.2 1351 0.7 1524 0.6 1843 0.9 2154 0.5	31 TER 0019 0.8 0339 0.5 0645 0.8 1013 0.4 1300 0.5 1526 0.4 1917 0.8 2147 0.7	15 QUA 0139 1.1 0521 0.4 0806 0.7 1121 0.5 1334 0.5 1609 0.4 1954 0.8 2219 0.6	15 QUA 0209 1.0 0606 0.4 0936 0.8 1658 0.3 2100 0.8 2234 0.7
16 QUI 0239 0.2 0623 0.9 0947 0.5 1332 0.8 1602 0.7 1849 0.9 2206 0.4	16 DOM 0123 0.9 0439 0.4 0736 0.8 1054 0.4 1421 0.7 1658 0.5 2002 0.8 2258 0.6	16 DOM 0123 0.9 0439 0.4 0736 0.8 1054 0.4 1421 0.7 1658 0.5 2002 0.8 2258 0.6	16 SEG 0109 1.0 0438 0.5 0708 0.7 1026 0.3 1358 0.6 1613 0.5 1932 0.8 2219 0.6	16 SEG 0109 1.0 0438 0.5 0708 0.7 1026 0.3 1358 0.6 1613 0.5 1932 0.8 2219 0.6	16 QUI 0109 1.0 0438 0.5 0708 0.7 1026 0.3 1358 0.6 1613 0.5 1932 0.8 2219 0.6	16 QUI 0209 1.0 0606 0.4 0936 0.8 1658 0.3 2100 0.8 2234 0.7	16 QUI 0209 1.0 0606 0.4 0936 0.8 1658 0.3 2100 0.8 2234 0.7

Maio		Junho		Julho		Agosto											
HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)										
01	0013 1.0 0504 0.4 0826 0.8 1111 0.6 1256 0.6 1645 0.2	17	0639 0.4 1104 1.0 1749 0.3 2338 0.9	01	0023 1.0 0602 0.4 1002 0.9 1811 0.1	17	0651 0.3 1204 1.0 1856 0.4	01	0002 0.8 0613 0.4 1038 0.9 1400 0.7 1534 0.7 1919 0.3	17	0651 0.2 1245 1.0 1932 0.4	01	0041 0.9 0704 0.1 1341 1.0 2119 0.4	17	0056 1.0 0741 0.0 1423 1.2 2041 0.3		
SEX		DOM		SEG		QUA		QUA		SEX		SAB		SEG			
02	0024 1.1 0549 0.3 0934 0.8 1736 0.1	18	0653 0.4 1156 1.0 1826 0.3	02	0034 1.0 0630 0.3 1100 1.0 1913 0.1	18	0013 1.0 0704 0.2 1300 1.1 1941 0.4	02	0017 0.9 0647 0.3 1156 0.9 2024 0.3	18	0023 1.0 0711 0.1 1345 1.1 2011 0.4	02	0119 1.0 0745 0.1 1415 1.1 2206 0.4	18	0138 1.1 0826 0.0 1502 1.3 2111 0.3		
SAB		SEG		TER		QUI		QUI		SAB		DOM		TER			
03	0043 1.2 0621 0.3 1036 0.9 1824 0.0	19	0011 1.0 0700 0.3 1245 1.1 1904 0.3	03	0049 1.0 0653 0.3 1211 1.0 2017 0.2	19	0049 1.0 0719 0.2 1353 1.1 2021 0.4	03	0053 0.9 0715 0.2 1332 1.0 2126 0.4	19	0102 1.0 0747 0.1 1432 1.2 2056 0.4	03	0202 1.1 0815 0.0 1454 1.1 1847 0.6 2000 0.6 2253 0.5	19	0217 1.1 0924 0.0 1539 1.3 2138 0.4		
DOM		TER		QUA		SEX		SEX		DOM		SEG		QUA			
04	0100 1.2 0654 0.3 1139 1.0 1921 0.0	20	0049 1.1 0656 0.3 1326 1.1 1947 0.3	04	0108 1.0 0715 0.3 1326 1.1 2123 0.3	20	0121 1.1 0728 0.2 1438 1.2 2100 0.4	04	0128 1.0 0754 0.2 1423 1.1 1851 0.8 2224 0.4	20	0145 1.0 0834 0.1 1511 1.3 2132 0.4	04	0247 1.1 0854 0.1 1519 1.1 1917 0.5 2206 0.6 2334 0.6	20	0300 1.1 1036 0.0 1606 1.3 2117 0.4		
SEG		QUA		QUI		SAB		SAB		SEG		TER		QUI			
05	0117 1.2 0715 0.3 1247 1.1 2019 0.0	21	0117 1.1 0632 0.2 1408 1.2 2026 0.3	05	0145 1.0 0739 0.2 1421 1.1 1802 0.7 1906 0.7 2228 0.4	21	0156 1.1 0739 0.2 1515 1.2 2143 0.4	05	0209 1.0 0836 0.1 1504 1.1 1830 0.7 2008 0.7 2323 0.5	21	0228 1.1 0939 0.1 1554 1.3 2200 0.4	05	0326 1.1 0930 0.1 1553 1.2 1956 0.4	21	0347 1.1 1143 0.1 1639 1.2 2100 0.4		
TER		QUI		SEX		DOM		DOM		QUA		SEX		SEG			
06	0145 1.2 0732 0.3 1345 1.2 2123 0.1	22	0151 1.1 0651 0.2 1451 1.2 2100 0.4	06	0221 1.0 0730 0.2 1506 1.1 1836 0.6 2039 0.7 2341 0.5	22	0238 1.0 0930 0.2 1558 1.2 2211 0.5	06	0258 1.0 0917 0.1 1541 1.1 1911 0.6 2154 0.7	22	0313 1.0 1051 0.1 1628 1.2 2158 0.5	06	0406 1.1 0956 0.1 1617 1.2 2026 0.3	22	0426 1.1 0819 0.3 1000 0.4 1245 0.2 1706 1.1 2106 0.4		
QUA		SEX		SAB		SEG		SEG		QUA		SAB		QUA			
07	0209 1.1 0719 0.3 1436 1.2 2228 0.3	23	0221 1.1 0715 0.2 1524 1.2 2138 0.4	07	0304 1.0 0723 0.2 1551 1.1 1911 0.6 2158 0.8	23	0321 1.0 1100 0.2 1638 1.2 2230 0.6	07	0030 0.6 0345 1.0 1002 0.2 1606 1.1 1958 0.5 2309 0.8	23	0400 1.0 1153 0.1 1700 1.2 2132 0.5	07	0023 0.7 0139 0.7 0453 1.1 1030 0.2 1653 1.1 2058 0.3	23	0506 1.1 0853 0.3 1104 0.5 1349 0.3 1741 1.0 2123 0.3		
QUI		SAB		DOM		TER		TER		QUI		DOM		SEX			
08	0249 1.1 0708 0.2 1515 1.2 1858 0.5 2056 0.6 2347 0.4	24	0254 1.0 0743 0.2 1600 1.2 2143 0.5	08	0058 0.6 0356 0.9 0758 0.2 1621 1.1 1956 0.5 2306 0.9	24	0408 0.9 1202 0.2 1709 1.1 2138 0.6	08	0139 0.7 0426 1.0 1049 0.2 1639 1.1 2034 0.4	24	0451 1.0 0849 0.3 0958 0.4 1251 0.1 1734 1.1 2136 0.5	08	0054 0.8 0236 0.7 0528 1.0 1041 0.3 1723 1.1 2121 0.3	24	0119 0.8 0302 0.7 0556 1.0 0921 0.4 1204 0.7 1458 0.4 1815 0.9 2151 0.3		
SEX		DOM		SEG		QUA		QUA		SAB		SEG		SAB			
09	0326 1.0 0723 0.2 1558 1.2 1926 0.5 2206 0.8	25	0336 1.0 0806 0.2 1639 1.1 2058 0.6	09	0204 0.6 0447 0.9 0836 0.2 1006 0.3 1126 0.3 1656 1.1 2034 0.5	25	0011 0.7 0143 0.7 0500 0.9 0853 0.3 1008 0.4 1300 0.2 1751 1.0 2141 0.7	09	0004 0.9 0236 0.7 0509 1.0 1124 0.2 1708 1.1 1349 0.2 2104 0.3	25	0100 0.8 0243 0.7 0536 1.0 0909 0.4 1100 0.4 1349 0.2 1804 1.0 2149 0.5	09	0106 0.8 0313 0.7 0606 0.9 1113 0.4 1800 1.0 2153 0.3	25	0138 0.8 0358 0.7 0647 0.9 1000 0.4 1302 0.8 1608 0.4 1902 0.8 2215 0.4		
SAB		SEG		TER		QUI		QUI		DOM		TER		QUA			
10	0106 0.5 0408 0.8 0758 0.2 1639 1.1 2002 0.5 2309 1.0	26	0419 0.9 0828 0.3 1036 0.3 1209 0.3 1711 1.1 2106 0.6 2343 0.7	10	0000 1.0 0302 0.6 0534 0.8 1053 0.3 1204 0.3 1728 1.0 2108 0.4	26	0021 0.8 0304 0.6 0554 0.8 0919 0.4 1100 0.5 1358 0.2 1823 0.9 2149 0.7	10	0051 0.9 0319 0.7 0600 0.9 1139 0.3 1747 1.0 2138 0.3	10	0113 0.8 0341 0.7 0617 0.9 0956 0.4 1200 0.5 1454 0.3 1845 0.9 2204 0.5	26	0113 0.8 0341 0.7 0617 0.9 0956 0.4 1200 0.5 1454 0.3 1845 0.9 2204 0.5	10	0121 0.8 0358 0.6 0656 0.8 1134 0.5 1841 0.9 2215 0.4	26	0153 0.7 0439 0.5 0745 0.8 1043 0.5 1358 0.9 1715 0.4 1958 0.7 2254 0.4
DOM		TER		QUA		SEX		SEX		DOM		QUA		QUA			
11	0219 0.5 0458 0.8 0828 0.2 1711 1.0 2041 0.5	27	0208 0.7 0506 0.8 0858 0.3 1058 0.4 1308 0.3 1754 1.0 2115 0.7 2358 0.8	11	0049 1.0 0356 0.6 0624 0.8 1234 0.3 1804 1.0 2147 0.4	27	0049 0.8 0400 0.6 0649 0.8 1006 0.4 1156 0.5 1500 0.2 1906 0.9 2156 0.7	11	0113 0.9 0402 0.6 0653 0.9 1200 0.3 1823 1.0 2206 0.4	11	0141 0.8 0421 0.6 0709 0.9 1038 0.5 1304 0.6 1602 0.3 1926 0.8 2230 0.5	27	0141 0.8 0434 0.5 0751 0.8 1202 0.5 1539 0.6 1915 0.9 2251 0.4	11	0141 0.8 0434 0.5 0751 0.8 1202 0.5 1539 0.6 1915 0.9 2251 0.4	27	0200 0.7 0508 0.4 0851 0.8 1117 0.7 1445 1.0 1819 0.4 2119 0.7 2347 0.6
SEG		QUA		QUI		SAB		SAB		TER		QUI		QUI			
12	0002 1.1 0319 0.5 0553 0.8 0911 0.3 1253 0.4 1754 0.9 2109 0.5	28	0321 0.6 0602 0.8 0924 0.4 1123 0.5 1409 0.3 1838 0.9 2113 0.8	12	0121 0.9 0439 0.5 0724 0.8 1247 0.4 1851 0.9 2217 0.5	28	0102 0.8 0447 0.5 0745 0.8 1102 0.5 1254 0.6 1604 0.3 2000 0.8 2202 0.7	12	0143 0.8 0443 0.6 0747 0.8 1230 0.4 1904 0.9 2241 0.5	12	0156 0.8 0500 0.5 0808 0.9 1117 0.5 1402 0.8 1709 0.4 2021 0.7 2302 0.6	28	0156 0.8 0443 0.6 0747 0.8 1230 0.4 1402 0.8 1709 0.4 2021 0.7 2302 0.6	12	0156 0.7 0502 0.4 0854 0.8 1247 0.6 1419 0.7 1658 0.6 2002 0.8 2321 0.5	28	0153 0.6 0545 0.3 1011 0.8 1158 0.8 1523 1.0 1917 0.4 2338 0.8
TER		QUI		SEX		DOM		DOM		QUA		SEX		SEX			
13	0051 1.1 0411 0.5 0651 0.7 1017 0.4 1213 0.4 1353 0.4 1834 0.9 2149 0.5	29	0009 0.9 0409 0.5 0702 0.8 1008 0.5 1202 0.5 1515 0.3 1928 0.8 2104 0.8	13	0154 0.9 0511 0.5 0834 0.8 1324 0.4 1939 0.9 2258 0.6	29	0104 0.8 0517 0.5 0843 0.9 1200 0.6 1353 0.6 1709 0.3	13	0200 0.8 0508 0.5 0847 0.8 1306 0.5 1956 0.9 2313 0.6	29	0200 0.7 0534 0.4 0909 0.9 1204 0.6 1454 0.9 1817 0.4 2209 0.7	13	0200 0.7 0534 0.4 0909 0.9 1204 0.6 1454 0.9 1817 0.4 2209 0.7	13	0200 0.7 0534 0.4 1008 0.8 1751 0.5 2102 0.8	29	0611 0.2 1356 0.9 1554 0.9 2011 0.4
QUA		SEX		SAB		SEG		SEG		QUA		SAB		SAB			
14	0124 1.0 0502 0.5 0758 0.7 1504 0.8 1915 0.8 2217 0.6	30	0013 0.9 0456 0.4 0804 0.8 1109 0.6 1245 0.6 1617 0.2	14	0208 0.8 0547 0.5 0934 0.9 1621 0.4 2038 0.8	30	0036 0.8 0551 0.4 0938 0.9 1258 0.6 1447 0.7 1811 0.3	14	0209 0.7 0541 0.4 0943 0.8 1400 0.5 1502 0.6 1704 0.5 2053 0.8	14	0600 0.3 1019 0.9 1258 0.8 1538 0.9 1923 0.4 2358 0.8	30	0600 0.3 1219 0.9 1424 0.9 1611 0.9 2024 0.4	14	0600 0.3 1139 0.9 1834 0.4 2234 0.8	30	0623 0.9 0649 0.1 1313 1.0 2100 0.4
QUI		SAB		DOM		TER		TER		QUI		DOM		DOM			
15	0158 0.9 0545 0.4 0909 0.8 1608 0.4 2009 0.8 2258 0.7	31	0015 1.0 0534 0.4 0906 0.9 1715 0.1	15	0002 0.7 0200 0.7 0604 0.4 1024 0.9 1723 0.4 2204 0.9	15	0002 0.7 0200 0.7 0604 0.4 1024 0.9 1723 0.4 2204 0.9	15	0153 0.7 0602 0.3 1036 0.9 1800 0.5 2206 0.8	31	0636 0.2 1219 0.9 1424 0.9 1611 0.9 2024 0.4	15	0626 0.2 1254 1.0 1913 0.4	31	0102 1.1 0715 0.0 1351 1.0 2138 0.4		
SEX		DOM		SEG		QUA		QUA		SAB		SEG		SEG			
16	0211 0.8 0611 0.4 1011 0.9 1700 0.3 2132 0.8	16	0628 0.3 1113 1.0 1808 0.4 2332 0.9	16	0628 0.3 1113 1.0 1808 0.4 2332 0.9	16	0626 0.3 1136 0.9 1849 0.4 2334 0.9	16	0626 0.3 1136 0.9 1849 0.4 2334 0.9	16	0626 0.3 1136 0.9 1849 0.4 2334 0.9	16	0011 0.9 0700 0.1 1345 1.1 1958 0.3	16		16	
SAB		TER		TER		QUI		QUI		DOM		QUA		QUA			

PORTO DE FLORIANÓPOLIS (ESTADO DE SANTA CATARINA) - 2020

Latitude 27° 35'.3 S

Longitude 048° 33'.4 W

Fuso +03.0 horas

DNPVN

57 Componentes

Nível Médio 0.64 m

Carta 1902

Setembro		Outubro		Novembro		Dezembro									
HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)								
01	0147 1.2	17	0200 1.2	01	0158 1.3	17	0213 1.3	01	0241 1.2	17	0328 1.2	01	0256 1.2	17	0400 1.1
TER	0751 0.0	QUI	0908 0.0	QUI	0741 0.1	SAB	1006 0.1	DOM	0730 0.3	TER	0702 0.5	TER	0738 0.4	QUI	0723 0.5
	1419 1.1		1508 1.3		1413 1.1		1502 1.2		1451 1.1		1239 0.5		1453 1.1		1324 0.6
	1832 0.5		2058 0.4		1841 0.3		1938 0.3		1913 0.2		1551 1.0		1930 0.1		1613 1.0
	2151 0.5	&		Z							1941 0.2				2023 0.2
02	0221 1.2	18	0243 1.2	02	0236 1.3	18	0300 1.3	02	0313 1.2	18	0409 1.1	02	0336 1.2	18	0438 1.0
QUA	0817 0.0	SEX	1019 0.0	SEX	0753 0.1	DOM	0854 0.5	SEG	0747 0.3	QUA	0738 0.5	QUA	0800 0.5	SEX	0802 0.4
	1453 1.2		1541 1.2		1451 1.2		1128 0.3		1519 1.1		1041 1.0		1526 1.0		1126 1.0
	1906 0.4		2026 0.4		1911 0.2		1538 1.1		1947 0.1		1349 0.5		2004 0.1		1424 0.6
Z							1943 0.3				1634 0.9				1704 0.9
											2013 0.2				2106 0.2
03	0302 1.3	19	0323 1.2	03	0308 1.2	19	0349 1.2	03	0354 1.1	19	0456 1.0	03	0413 1.1	19	0508 1.0
QUI	0841 0.1	SAB	0856 0.3	SAB	0811 0.2	SEG	0958 0.7	TER	0804 0.4	QUI	0808 0.4	QUI	0819 0.5	SAB	0823 0.6
	1521 1.2		1136 0.1		1521 1.2		1247 0.4		1553 1.0		1134 1.1		1602 1.0		1523 1.0
	1941 0.3		1606 1.2		1945 0.2		1608 1.0		2013 0.1		2100 0.2		2028 0.2		1758 0.9
			2019 0.3				2002 0.2								2154 0.3
04	0345 1.2	20	0404 1.2	04	0349 1.2	20	0432 1.1	04	0428 1.1	20	0536 0.9	04	0456 1.1	20	0551 0.9
SEX	0902 0.1	DOM	0756 0.3	DOM	0823 0.2	TER	1054 0.9	QUA	0823 0.5	SEX	0851 0.5	SEX	0849 0.6	DOM	0921 0.4
	1554 1.2		1247 0.3		1556 1.1		1354 0.5		1623 1.0		1224 1.1		1602 0.7		1311 1.0
	2009 0.2		1641 1.1		2009 0.2		1654 0.9		2047 0.2		1556 0.5		2058 0.2		1613 0.6
			2034 0.3				2032 0.2				1813 0.8				1856 0.9
											2147 0.3				2241 0.4
05	0417 1.2	21	0451 1.1	05	0417 1.1	21	0509 1.0	05	0504 1.0	21	0041 0.5	05	0536 1.0	21	0109 0.5
SAB	0919 0.2	SEG	0817 0.4	SEG	0839 0.3	QUA	1147 1.0	QUI	0851 0.5	SAB	0230 0.4	SAB	0908 0.7	SEG	0236 0.4
	1626 1.2		1102 0.7		1624 1.1		1502 0.5		1204 0.7		0611 0.8		1149 0.7		0634 0.9
	2039 0.2		1354 0.4		2041 0.2		1741 0.8		1308 0.7		0926 0.5		1441 0.7		1004 0.4
			2058 0.2				2104 0.2		1702 0.9		1315 1.1		1741 0.8		1358 0.9
									2108 0.2		1651 0.5		2349 0.5		1700 0.6
											1915 0.8				1954 0.8
											2239 0.4				2345 0.4
06	0456 1.1	22	0111 0.7	06	0456 1.0	22	0240 0.6	06	0549 0.9	22	0100 0.5	06	0200 0.3	22	0141 0.5
DOM	0932 0.3	TER	0217 0.7	TER	0858 0.4	QUI	0323 0.4	SEX	0906 0.6	DOM	0324 0.4	DOM	0617 0.9	TER	0339 0.4
	1658 1.1		0534 1.0		1658 1.0		0558 0.9		1202 0.8		0702 0.8		0921 0.7		0721 0.9
	2104 0.2		0856 0.4		2106 0.2		0900 0.8		1756 0.8		1009 0.5		1200 0.8		1056 0.5
			1502 0.5				1238 1.1		2139 0.3		1402 1.0		1553 0.6		1428 0.8
			1758 0.8				1606 0.5				1730 0.5		1838 0.8		1738 0.5
			2123 0.2				1834 0.7				2026 0.8		2156 0.4		2056 0.9
							2149 0.3								
07	0530 1.0	23	0111 0.7	07	0532 1.0	23	0058 0.6	07	0021 0.5	23	0009 0.5	07	0004 0.5	23	0434 0.4
SEG	0949 0.4	QUA	0317 0.6	QUA	0911 0.5	SEX	0649 0.8	SAB	0236 0.4	SEG	0409 0.4	SEG	0302 0.3	QUA	0821 0.9
	1734 1.0		0615 0.9		1738 0.9		0938 0.5		0909 0.7		0802 0.8		0906 0.8		1158 0.6
	2130 0.2		0924 0.5		2136 0.2		1324 1.1		1202 0.8		1111 0.6		1145 0.8		1454 0.7
			1254 1.0				1704 0.5		1606 0.6		1445 0.9		1641 0.5		1800 0.4
			1611 0.5				1939 0.7		1854 0.8		1804 0.5		1934 0.8		2202 0.9
			1849 0.7				2228 0.4		2202 0.4		2145 0.9		2234 0.5		
			2200 0.3												
08	0108 0.7	24	0123 0.7	08	0104 0.6	24	0109 0.6	08	0034 0.6	24	0458 0.3	08	0038 0.6	24	0519 0.4
TER	0258 0.6	QUI	0402 0.5	QUI	0232 0.6	SAB	0406 0.4	DOM	0328 0.3	TER	0909 0.8	TER	0358 0.2	QUI	0924 0.9
	0606 0.9		0709 0.8		0609 0.9		0745 0.7		1149 0.9		1253 0.7		1136 0.9		1321 0.6
	1004 0.5		1000 0.6		0932 0.6		1011 0.6		1656 0.5		1506 0.7		1711 0.5		1500 0.6
	1806 0.9		1343 1.1		1226 0.7		1409 1.1		1956 0.8		1836 0.4		2028 0.8		1821 0.4
	2158 0.3		1715 0.5		1517 0.6		1758 0.4		2245 0.5		2251 1.0		2324 0.6		2304 1.0
			1949 0.7		1817 0.8		2058 0.7								
			2238 0.4		2200 0.3		2356 0.6								
09	0115 0.7	25	0139 0.7	09	0100 0.6	25	0106 0.6	09	0047 0.6	25	0541 0.3	09	0056 0.6	25	0602 0.4
QUA	0343 0.6	SEX	0447 0.4	SEX	0319 0.5	DOM	0853 0.3	SEG	0417 0.2	QUA	1017 0.9	QUA	0456 0.1	SEX	1024 0.9
	0656 0.8		0817 0.7		0706 0.8		0856 0.8		1151 1.0		1856 0.4		1141 0.9		1849 0.3
	1021 0.6		1036 0.6		0943 0.7		1109 0.7		1732 0.4		2341 1.1		1749 0.4		2354 1.0
	1317 0.7		1424 1.1		1224 0.8		1454 0.9		2100 0.8				2134 0.9		
	1534 0.6		1809 0.4		1621 0.6		1839 0.4								
	1851 0.9		2106 0.7		1908 0.8		2226 0.8								
	2221 0.4		2334 0.6		2223 0.4										
10	0128 0.7	26	0139 0.6	10	0100 0.6	26	0524 0.2	10	0039 0.7	26	0613 0.3	10	0553 0.1	26	0645 0.4
QUI	0413 0.5	SAB	0515 0.3	SAB	0404 0.3	SEG	1015 0.8	TER	0508 0.1	QUI	1119 1.0	QUI	1151 1.0	SAB	1123 1.0
	0800 0.9		0947 0.8		1202 0.9		1347 0.7		1206 1.1		1904 0.4		1811 0.3		1906 0.3
	1049 0.7		1106 0.7		1706 0.4		1708 0.8		1802 0.3				2247 1.0		
	1309 0.7		1504 1.0		2008 0.7		1909 0.4		2217 0.9						
	1645 0.6		1902 0.4		2256 0.6		2326 1.0								
	1938 0.8		2306 0.8												
	2254 0.5														
11	0134 0.6	27	0554 0.2	11	0100 0.7	27	0600 0.2	11	0600 0.0	27	0019 1.1	11	0649 0.1	27	0038 1.1
SEX	0453 0.4	DOM	1154 0.8	DOM	0451 0.2	TER	1121 0.9	QUA	1232 1.1	SEX	0649 0.3	SEX	1211 1.0	DOM	0713 0.4
	1204 0.8		1358 0.8		1204 1.0		1939 0.4		1836 0.3		1211 1.0		1845 0.3		1217 1.0
	1728 0.5		1541 0.8		1753 0.4				2328 1.0		1915 0.3		2354 1.1		1932 0.2
	2034 0.														