

PORTO DE FLORIANÓPOLIS (ESTADO DE SANTA CATARINA) - 2021

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 SEX	0404 1.2 0928 0.5 1600 1.0 2306 0.2	17 DOM	0458 1.0 0847 0.3 1217 0.9 1443 0.7 1730 1.0 2209 0.3	01 SEG	0002 0.2 0506 1.1 0913 0.5 1700 1.1 2119 0.3 2302 0.4	17 QUA	0539 1.0 0938 0.3 1349 0.7 1524 0.7 1836 0.9 2217 0.4	01 SEG	0409 1.2 0843 0.4 1602 1.2 2354 0.2	17 QUA	0436 1.1 0851 0.2 1715 1.1 2124 0.3	01 QUI	0121 0.4 0458 0.9 0839 0.2 1702 1.1 2034 0.4 2332 0.8	17 SAB	0058 0.7 0226 0.7 0519 0.9 0906 0.2 1204 0.4 1300 0.4 1749 1.0 2138 0.6		
02 SAB	0445 1.1 0939 0.6 1643 1.0 2109 0.3 2241 0.3	18 SEG	0526 1.0 0919 0.3 1306 0.9 1539 0.7 1815 1.0 2219 0.3	02 TER	0121 0.3 0547 1.0 0926 0.5 1743 1.0 2139 0.3 2358 0.5	18 QUI	0106 0.6 0249 0.5 0613 0.9 1002 0.3 1356 0.7 1606 0.6 1919 0.8 2253 0.5	02 TER	0449 1.1 0845 0.4 1639 1.2 2051 0.3 2258 0.4	18 QUI	0508 1.0 0908 0.2 1756 1.0 2153 0.4	02 SEX	0243 0.5 0539 0.8 0906 0.2 1347 0.6 1751 1.0 2100 0.5	18 DOM	0054 0.8 0334 0.6 0604 0.8 0949 0.3 1221 0.5 1413 0.4 1824 0.9 2128 0.7		
03 DOM	0023 0.2 0521 1.1 0923 0.6 1723 0.9 2134 0.3 2315 0.4	19 TER	0602 0.9 0958 0.3 1353 0.8 1623 0.6 1908 0.9 2254 0.4	03 QUA	0236 0.3 0623 0.5 1000 0.5 1341 0.7 1509 0.7 1828 1.0 2202 0.4	19 SEX	0132 0.7 0358 0.5 0702 0.9 1038 0.4 1356 0.7 1641 0.5 2011 0.8 2317 0.7	C	0117 0.8 0347 0.6 0643 0.3 1093 0.4 1802 1.0 2130 0.4	03 QUA	0117 0.3 0519 1.0 0904 0.3 1715 1.1 2104 0.4 2353 0.6	19 SEX	0100 0.7 0238 0.6 0553 0.9 0938 0.3 1830 0.9 2206 0.6	03 SAB	0015 1.0 0617 0.7 0943 0.3 1306 0.6 1506 0.5 1843 0.9 2134 0.5	19 SEG	0030 0.8 0413 0.6 0700 0.8 1026 0.4 1254 0.5 1523 0.4 1915 0.8 2117 0.8
04 SEG	0143 0.3 0602 1.0 0934 0.6 1223 0.7 1449 0.7 1808 0.9 2200 0.4	20 QUA	0113 0.5 0258 0.5 0647 0.9 1034 0.4 1415 0.8 1704 0.6 2004 0.8 2338 0.5	04 QUI	0043 0.6 0341 0.3 0708 0.8 1038 0.5 1358 0.7 1613 0.6 1917 0.9 2232 0.5	20 SAB	0153 0.7 0458 0.5 0758 0.8 1113 0.5 1402 0.6 1704 0.4 2343 0.8	V	0034 0.8 0347 0.4 0643 0.3 1006 0.8 1349 0.7 1551 0.6 1858 0.9 2200 0.5	04 QUI	0238 0.4 0600 0.9 0934 0.3 1802 1.0 2130 0.4	20 SAB	0106 0.7 0347 0.6 0638 0.9 1006 0.3 1308 0.6 1515 0.5 1908 0.8 2208 0.7	04 DOM	0100 1.2 0451 0.4 0713 0.6 1017 0.4 1321 0.6 1606 0.4 1938 0.8 2200 0.6	20 TER	0009 0.9 0456 0.5 0804 0.7 1123 0.5 1302 0.5 1621 0.3
05 TER	0000 0.5 0249 0.3 0654 0.9 1004 0.7 1300 0.8 1558 0.6 1900 0.9 2226 0.5	21 QUI	0153 0.6 0406 0.5 0736 0.9 1109 0.5 1434 0.7 1738 0.5 2109 0.8	05 SEX	0117 0.8 0447 0.4 0804 0.8 1117 0.5 1413 0.7 1702 0.5 2015 0.9 2302 0.6	21 DOM	0549 0.5 0858 0.8 1206 0.5 1413 0.6 1741 0.3	V	0034 0.8 0347 0.4 0643 0.3 1006 0.8 1349 0.7 1551 0.6 1858 0.9 2200 0.5	05 SEX	0034 0.8 0347 0.4 0643 0.3 1006 0.8 1349 0.7 1551 0.6 1858 0.9 2200 0.5	21 DOM	0106 0.8 0439 0.5 0726 0.8 1054 0.4 1326 0.6 1611 0.4 2006 0.8 2138 0.8	05 SEG	0143 1.2 0543 0.4 0839 0.6 1111 0.5 1323 0.6 1656 0.3 2049 0.7 2211 0.7	21 QUA	0019 1.0 0523 0.4 0915 0.8 1711 0.2
06 QUA	0036 0.6 0349 0.3 0751 0.8 1054 0.7 1338 0.8 1647 0.6 1954 0.9 2302 0.6	22 SEX	0053 0.6 0213 0.6 0506 0.5 0832 0.8 1200 0.5 1436 0.7 1756 0.4 2238 0.9	06 SAB	0200 0.9 0549 0.3 0915 0.7 1215 0.6 1426 0.6 1747 0.3 2130 0.8 2338 0.8	22 SEG	0015 0.9 0624 0.4 1002 0.8 1811 0.2	V	0109 1.0 0451 0.4 0736 0.7 1049 0.4 1400 0.6 1645 0.5 1956 0.8 2224 0.6	06 SAB	0109 1.0 0451 0.4 0736 0.7 1049 0.4 1400 0.6 1645 0.5 1956 0.8 2224 0.6	22 SEG	0026 0.9 0517 0.5 0830 0.8 1147 0.5 1349 0.6 1700 0.3	06 TER	0219 1.1 0626 0.4 1013 0.7 1732 0.2	22 QUI	0039 1.1 0534 0.3 1023 0.9 1800 0.1
07 QUI	0104 0.7 0449 0.2 0900 0.8 1204 0.7 1358 0.7 1721 0.5 2053 0.9 2354 0.7	23 SAB	0600 0.4 0930 0.9 1308 0.6 1424 0.6 1808 0.3 2351 1.0	07 DOM	0241 1.0 0649 0.3 1053 0.7 1819 0.2	23 TER	0054 1.1 0658 0.4 1113 0.9 1856 0.1	V	0154 1.1 0551 0.4 0851 0.6 1134 0.5 1404 0.6 1721 0.3 2106 0.8 2247 0.7	07 DOM	0154 1.1 0551 0.4 0851 0.6 1134 0.5 1404 0.6 1721 0.3 2106 0.8 2247 0.7	23 TER	0032 1.0 0556 0.4 0941 0.8 1749 0.2	07 QUA	0247 0.9 0708 0.4 1123 0.9 1802 0.2	23 SEX	0054 1.2 0624 0.3 1128 1.0 1851 0.0
08 SEX	0143 0.7 0549 0.2 1015 0.8 1800 0.4 2200 0.9	24 DOM	0649 0.4 1028 0.9 1839 0.2	08 SEG	0313 1.0 0741 0.3 1219 0.8 1858 0.1	24 QUA	0123 1.2 0726 0.3 1238 1.0 1939 0.0	V	0232 1.1 0643 0.4 1030 0.7 1800 0.2	08 SEG	0232 1.1 0643 0.4 1030 0.7 1800 0.2	24 QUA	0053 1.1 0626 0.3 1100 0.9 1828 0.1	08 QUI	0032 1.0 0749 0.4 1211 1.0 1841 0.1	24 SAB	0108 1.2 0658 0.2 1228 1.0 1941 0.0
09 SAB	0649 0.2 1126 0.8 1839 0.3 2330 1.0	25 SEG	0039 1.1 0717 0.4 1134 0.9 1909 0.1	09 TER	0100 1.0 0830 0.3 1309 0.9 1936 0.0	25 QUI	0158 1.2 0756 0.3 1338 1.1 2024 0.0	V	0300 1.0 0726 0.3 1202 0.8 1834 0.1	09 TER	0300 1.0 0726 0.3 1202 0.8 1834 0.1	25 QUI	0111 1.2 0656 0.3 1223 1.0 1913 0.0	09 SEX	0056 1.0 0813 0.4 1300 1.1 1913 0.1	25 DOM	0134 1.3 0730 0.2 1319 1.1 2036 0.0
10 DOM	0745 0.3 1228 0.9 1913 0.2	26 TER	0117 1.1 0749 0.4 1241 1.0 1954 0.1	10 QUA	0141 1.1 0923 0.4 1356 1.0 2008 0.0	26 SEX	0230 1.3 0824 0.3 1419 1.1 2109 -0.1	V	0058 1.0 0809 0.4 1253 1.0 1904 0.0	10 QUA	0058 1.0 0809 0.4 1253 1.0 1904 0.0	26 SEX	0139 1.3 0726 0.2 1315 1.1 2002 -0.1	10 SAB	0123 1.1 0541 0.4 1345 1.2 1954 0.1	26 SEG	0200 1.2 0756 0.3 1402 1.2 2134 0.1
11 SEG	0045 1.1 0843 0.3 1317 0.9 1956 0.1	27 QUA	0200 1.2 0808 0.4 1341 1.1 2039 0.0	11 QUI	0213 1.2 1019 0.5 1432 1.1 2049 0.0	27 SAB	0302 1.3 0856 0.3 1458 1.2 2200 0.0	V	0119 1.1 0854 0.4 1332 1.1 1943 0.0	11 QUI	0119 1.1 0854 0.4 1332 1.1 1943 0.0	27 SAB	0204 1.3 0800 0.2 1358 1.2 2054 -0.1	11 DOM	0154 1.1 0619 0.3 1421 1.3 2034 0.1	27 TER	0238 1.2 0738 0.3 1447 1.2 2238 0.2
12 TER	0139 1.1 0949 0.4 1402 1.0 2036 0.1	28 QUI	0241 1.2 0838 0.4 1428 1.1 2123 0.0	12 SEX	0256 1.2 0653 0.5 0906 0.6 1113 0.5 1506 1.2 2123 0.0	28 DOM	0339 1.3 0917 0.4 1532 1.2 2251 0.1	V	0154 1.1 0608 0.5 0743 0.5 0930 0.5 1408 1.2 2017 0.0	12 SEX	0154 1.1 0608 0.5 0743 0.5 0930 0.5 1408 1.2 2017 0.0	28 DOM	0238 1.3 0830 0.3 1436 1.2 2147 0.0	12 SEG	0221 1.1 0700 0.2 1502 1.3 2056 0.2	28 QUA	0309 1.1 0724 0.2 1524 1.2 1913 0.5 2100 0.6 2356 0.4
13 QUA	0224 1.1 0602 0.7 0719 0.8 1056 0.5 1447 1.0 2108 0.1	29 SEX	0317 1.3 0908 0.4 1508 1.1 2208 0.0	13 SAB	0332 1.2 0724 0.4 1028 0.6 1202 0.6 1551 1.2 2156 0.1	29 SAB	0402 1.1 0802 0.3 1253 0.7 1624 1.2 2221 0.2	V	0226 1.2 0639 0.4 1451 1.3 2056 0.0	13 SAB	0226 1.2 0639 0.4 1451 1.3 2056 0.0	29 SEG	0308 1.2 0838 0.3 1506 1.3 2243 0.1	13 TER	0253 1.1 0730 0.2 1543 1.2 2028 0.3	29 QUI	0354 1.0 0749 0.2 1606 1.2 1941 0.5 2211 0.8
14 QUI	0308 1.1 0645 0.6 0902 0.8 1158 0.5 1521 1.0 2147 0.1	30 SAB	0358 1.2 0938 0.4 1551 1.1 2258 0.1	14 DOM	0402 1.1 0802 0.3 1253 0.7 1624 1.2 2221 0.2	30 TER	0258 1.2 0713 0.2 1523 1.3 2130 0.1	V	0258 1.2 0713 0.2 1523 1.3 2130 0.1	14 DOM	0258 1.2 0713 0.2 1523 1.3 2130 0.1	30 TER	0347 1.2 0804 0.3 1545 1.3 2006 0.4 2104 0.4 2354 0.3	14 QUA	0324 1.1 0758 0.2 1613 1.2 2036 0.4	30 SEX	0124 0.5 0434 0.9 0811 0.2 1654 1.1 2006 0.5 2311 1.0
15 SEX	0353 1.1 0721 0.5 1015 0.8 1253 0.6 1602 1.1 2213 0.1	31 DOM	0434 1.2 0930 0.5 1623 1.1	15 SEG	0434 1.1 0839 0.2 1343 0.7 1704 1.1 2147 0.3	31 QUA	0419 1.1 0811 0.3 1619 1.2 2008 0.4 2239 0.6	V	0332 1.1 0754 0.2 1602 1.3 2136 0.2	15 SEG	0332 1.1 0754 0.2 1602 1.3 2136 0.2	31 QUA	0419 1.1 0811 0.3 1619 1.2 2008 0.4 2239 0.6	15 QUI	0400 1.0 0815 0.2 1649 1.1 2100 0.4		
16 SAB	0424 1.1 0802 0.4 1119 0.8 1347 0.7 1649 1.1 2238 0.2			16 TER	0502 1.1 0908 0.3 1311 0.7 1436 0.7 1753 1.0 2158 0.3			16 TER	0400 1.1 0821 0.2 1643 1.2 2113 0.3			16 SEX	0441 1.0 0841 0.2 1713 1.0 2121 0.5				

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 SAB	0245 0.5	17 SEG	0051 0.8	01 TER	0053 1.1	17 QUI	0002 0.8	01 QUI	0138 1.0	17 SAB	0106 0.7	01 DOM	0213 0.7	17 TER	0149 0.7
	0513 0.8		0317 0.7		0415 0.5		0404 0.6		0445 0.6		0408 0.6		0528 0.5		0513 0.3
	0849 0.2		0551 0.8		0656 0.8		0709 0.8		0726 0.9		0723 0.9		0900 0.8		0858 0.8
	1151 0.4		0923 0.3		1400 0.4		1513 0.3		1206 0.4		1111 0.3		1213 0.6		1121 0.7
	1304 0.4		1141 0.4		1847 0.8		1938 0.9		1853 0.9		1253 0.5		1453 0.7		1434 0.9
1739 1.0	1345 0.3	2158 0.5	2156 0.8	1604 0.3	1604 0.3	1700 0.6	1824 0.4								
2047 0.5	1802 0.9			2002 0.8	2002 0.8	1954 0.8									
	2111 0.7			2254 0.7	2254 0.7	2306 0.5									
02 DOM	0004 1.1	18 TER	0002 0.8	02 QUA	0139 1.1	18 SEX	0013 0.9	02 SEX	0211 0.9	18 DOM	0115 0.7	02 SEG	0209 0.7	18 QUA	0053 0.7
	0347 0.5		0400 0.6		0502 0.5		0439 0.5		0521 0.5		0454 0.5		0553 0.4		0558 0.2
	0604 0.7		0645 0.7		0800 0.8		0804 0.8		0828 0.9		0819 0.9		1002 0.8		1015 0.8
	0921 0.3		1009 0.4		1504 0.4		1619 0.3		1226 0.5		1149 0.6		1306 0.6		1351 0.8
	1206 0.5		1200 0.5		1924 0.8		2058 0.8		1547 0.5		1347 0.7		1511 0.7		1506 1.0
1411 0.4	1447 0.3	2243 0.5	2156 0.8	1936 0.8	1713 0.3	1758 0.5	1924 0.3								
1821 0.9	1856 0.9			2309 0.5	2113 0.8	2053 0.8									
2115 0.5	2109 0.8				2315 0.7	2358 0.6									
	2358 0.9														
03 SEG	0054 1.2	19 QUA	0434 0.5	03 QUI	0219 0.9	19 SAB	0019 0.9	03 SAB	0249 0.8	19 SEG	0043 0.7	03 TER	0153 0.6	19 QUI	0032 0.8
	0438 0.4		0747 0.7		0549 0.5		0508 0.4		0600 0.5		0532 0.4		0602 0.3		0638 1.0
	0706 0.7		1551 0.3		0904 0.9		0900 0.9		0928 0.9		0915 0.9		1109 0.9		1152 0.1
	1013 0.4		2002 0.8		1609 0.4		1719 0.2		1306 0.5		1217 0.7		1419 0.7		1532 1.0
	1221 0.5		2109 0.8		2013 0.8		2349 0.6		1502 0.6		1430 0.8		1543 0.7		2023 0.3
1515 0.4				1700 0.5	1821 0.3	1849 0.5									
1909 0.8				2023 0.8	2023 0.8	2211 0.8									
2156 0.6															
04 TER	0136 1.1	20 QUI	0008 1.0	04 SEX	0300 0.8	20 DOM	0004 0.9	04 DOM	0021 0.6	20 TER	0608 0.2	04 QUA	0623 0.2	20 SEX	0100 0.9
	0523 0.4		0500 0.4		0619 0.4		0549 0.3		0624 0.4		1021 0.9		1221 1.0		0708 0.0
	0824 0.7		0849 0.8		1002 1.0		0951 0.9		1024 0.9		1300 0.8		1923 0.5		1354 1.0
	1608 0.3		1647 0.2		1706 0.4		1819 0.2		1400 0.6		1506 0.9		2347 0.9		2111 0.4
	2006 0.7				2132 0.8				1541 0.6		1926 0.3				
2223 0.7				1758 0.5											
				2136 0.8											
05 QUA	0215 1.0	21 SEX	0021 1.0	05 SAB	0653 0.4	21 SEG	0011 1.0	05 SEG	0638 1.0	21 QUA	0032 0.9	05 QUI	0656 0.1	21 SAB	0132 1.0
	0606 0.4		0530 0.4		1058 1.0		0621 0.3		1123 0.4		0653 0.2		1323 1.0		0749 0.0
	0945 0.8		0941 0.9		1758 0.4		1043 1.0		1508 0.6		1230 0.9		1958 0.5		1417 1.1
	1656 0.3		1739 0.1		2338 0.9		1923 0.2		1600 0.6		2032 0.3				2158 0.4
									1853 0.5						
				2313 0.9											
06 QUI	0256 0.8	22 SAB	0028 1.1	06 DOM	0700 0.4	22 TER	0041 1.0	06 TER	0643 0.3	22 QUI	0106 0.9	06 SEX	0039 1.0	22 DOM	0206 1.1
	0649 0.4		0600 0.3		1153 1.0		0700 0.2		1224 1.0		0732 0.1		0728 0.1		0821 0.0
	1043 0.9		1026 0.9		1851 0.4		1158 1.0		1938 0.5		1402 1.0		1408 1.1		1454 1.2
	1736 0.2		1830 0.1				2030 0.3				2128 0.3		2015 0.4		0915 0.3
	2356 0.9														2002 0.6
								2241 0.5							
07 SEX	0715 0.4	23 DOM	0041 1.1	07 SEG	0009 1.0	23 QUA	0111 1.0	07 QUA	0006 0.9	23 SEX	0147 1.0	07 SAB	0123 1.0	23 SEG	0249 1.2
	1134 1.0		0638 0.3		0632 0.3		0741 0.2		0700 0.2		0808 0.0		0806 0.1		0900 0.0
	1811 0.2		1119 1.0		1249 1.1		1339 1.0		1324 1.1		1441 1.1		1451 1.2		1523 1.2
			1924 0.1		1938 0.4		2134 0.3		2009 0.5		2221 0.4		2034 0.4		1906 0.4
															2202 0.6
							2324 0.6								
08 SAB	0021 1.0	24 SEG	0100 1.1	08 TER	0041 1.0	24 QUI	0153 1.0	08 QUI	0049 1.0	24 SAB	0223 1.0	08 DOM	0206 1.1	24 TER	0324 1.2
	0738 0.4		0706 0.2		0638 0.2		0821 0.2		0738 0.1		0854 0.0		0854 0.1		0939 0.1
	1223 1.1		1228 1.1		1341 1.1		1438 1.1		1413 1.1		1511 1.2		1521 1.3		1556 1.2
	1856 0.2		2026 0.1		2013 0.4		2238 0.4		2038 0.5		1954 0.8		2054 0.4		1951 0.3
09 DOM	0053 1.1	25 TER	0132 1.1	09 QUA	0109 1.1	25 SEX	0234 0.9	09 SEX	0130 1.0	25 DOM	0304 1.0	09 SEG	0253 1.1	25 QUA	0406 1.2
	0526 0.3		0739 0.2		0715 0.2		0908 0.2		0813 0.1		0941 0.1		0951 0.1		1011 0.2
	1311 1.2		1338 1.1		1424 1.1		1824 0.8		1458 1.2		1551 1.2		1554 1.3		1623 1.1
	1941 0.2		2130 0.2		2045 0.4		2347 0.5		2045 0.4		1911 0.6		2117 0.4		2023 0.2
10 SEG	0115 1.1	26 QUA	0204 1.1	10 QUI	0149 1.1	26 SAB	0313 0.9	10 SAB	0211 1.1	26 SEG	0019 0.6	10 TER	0334 1.1	26 QUI	0013 0.8
	0609 0.2		0741 0.2		0738 0.2		1008 0.2		0902 0.1		0351 1.1		1054 0.1		0145 0.7
	1400 1.2		1430 1.2		1506 1.2		1558 1.1		1536 1.2		1026 0.1		1621 1.2		0453 1.1
	2019 0.3		2238 0.4		2036 0.5		1906 0.7		2102 0.4		1617 1.1		2136 0.4		0915 0.3
							2145 0.9				1956 0.4				1654 1.1
					2306 0.8		2058 0.2								
11 TER	0145 1.1	27 QUI	0249 1.0	11 SEX	0226 1.0	27 DOM	0100 0.6	11 DOM	0258 1.0	27 TER	0128 0.7	11 QUA	0406 1.1	27 SEX	0056 0.8
	0647 0.2		0709 0.2		0730 0.2		0400 0.9		1006 0.1		0434 1.1		1151 0.1		0245 0.7
	1447 1.2		1513 1.2		1545 1.2		1104 0.2		1606 1.2		1109 0.2		1654 1.2		0536 1.0
	2045 0.4		1847 0.7		2047 0.5		1638 1.1		2128 0.4		1653 1.1		2136 0.4		0932 0.3
			2041 0.8				1954 0.6				2036 0.3				1721 1.0
	2356 0.5		2302 1.0				2124 0.2								
12 QUA	0213 1.1	28 SEX	0326 0.9	12 SAB	0308 1.0	28 SEG	0206 0.6	12 SEG	0349 1.0	28 QUA	0004 0.9	12 QUI	0445 1.0	28 SAB	0117 0.8
	0715 0.2		0728 0.2		0745 0.2		0453 0.9		1109 0.1		0230 0.7		0906 0.3		0326 0.7
	1519 1.2		1600 1.2		1026 0.2		1153 0.2		1639 1.2		0513 1.0		1011 0.3		0617 0.9
	2006 0.4		1911 0.6		1613 1.2		1706 1.0		2154 0.5		1151 0.3		1245 0.2		1004 0.4
			2158 0.9		2121 0.5		2038 0.4				1717 1.0		1726 1.1		1758 1.0
					2109 0.3	2136 0.4	2153 0.3								
13 QUI	0253 1.1	29 SAB	0119 0.5	13 DOM	0356 1.0	29 TER	0002 1.0	13 TER	0432 1.0	29 QUI	0054 0.9	13 SEX	0517 1.0	29 DOM	0139 0.7
	0732 0.2		0409 0.8		0809 0.2		0302 0.6		1202 0.2		0319 0.7		0921 0.4		0404 0.6
	1558 1.2		0802 0.2		0954 0.3		0539 0.9		1708 1.1		0602 1.0		1111 0.4		0708 0.8
	2021 0.4		1008 0.3		1134 0.2		1228 0.3				1024 0.3		1343 0.3		1049 0.5
			1139 0.3		1647 1.1		1745 1.0				1753 1.0		1802 1.0		1353 0.7
	1645 1.1	2151 0.5	2113 0.4		2147 0.3	2153 0.4	1547 0.6								
	1956 0.6						1843 0.9								
	2304 1.0						2211 0.3								
14 SEX	0332 1.0	30 DOM	0234 0.6	14 SEG	0447 0.9	30 QUA	0054 1.0	14 QUA	0508 0.9	30 SEX	0126 0.9	14 SAB	0249 0.7	30 SEG	0141 0.7
	0754 0.2		0500 0.8		0851 0.3		0358 0.6		1256 0.2		0408 0.6		0600 1.0		0438 0.5
	1624 1.1		08												

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)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)	HORA ALT (m)
01 QUA 0151 0.6 0523 0.3 1124 0.9 1821 0.5 2139 0.7	17 SEX 0019 0.8 0611 0.1 1523 0.9 2004 0.4	01 SEX 0524 0.2 1217 1.0 1817 0.4 2311 0.8	17 DOM 0000 1.0 0623 0.1 1228 1.0 2013 0.4	01 SEG 0624 0.1 1243 1.1 1838 0.3	17 QUA 0049 1.2 0709 0.2 1254 1.0 1738 0.3	01 QUA 0658 0.1 1230 1.1 1854 0.2	17 SEX 0106 1.2 0747 0.4 1253 1.0 1921 0.2
02 QUI 0558 0.2 1230 1.0 1858 0.4 2336 0.8	18 SAB 0039 1.0 0651 0.0 1311 1.0 2049 0.4	02 SAB 0606 0.1 1254 1.1 1843 0.3	18 SEG 0038 1.2 0656 0.1 1302 1.0 1706 0.4 1900 0.5 2049 0.5	02 TER 0011 1.1 0706 0.0 1309 1.2 1906 0.2	18 QUI 0126 1.2 0738 0.3 1334 1.1 1819 0.2	02 QUI 0009 1.1 0753 0.1 1308 1.1 1932 0.2	18 SAB 0153 1.2 0730 0.4 1339 1.0 2002 0.2
03 SEX 0636 0.1 1313 1.1 1923 0.4	19 DOM 0106 1.1 0717 0.0 1349 1.1 1849 0.6 2126 0.5	03 DOM 0009 1.0 0651 0.0 1321 1.2 1904 0.3	19 TER 0111 1.3 0726 0.1 1343 1.1 1751 0.3	03 QUA 0049 1.2 0754 0.1 1345 1.2 1938 0.2	19 SEX 0208 1.2 0643 0.3 1406 1.1 1858 0.2	03 SEX 0058 1.2 0853 0.2 1353 1.1 2011 0.2	19 DOM 0236 1.2 0713 0.4 1417 1.1 2051 0.1
04 SAB 0032 1.0 0709 0.0 1354 1.2 1945 0.3	20 SEG 0143 1.2 0753 0.0 1417 1.1 1808 0.4 2154 0.5	04 SEG 0051 1.1 0730 0.0 1354 1.3 1936 0.3	20 QUA 0154 1.3 0749 0.2 1411 1.1 1826 0.2	04 QUI 0124 1.2 0849 0.2 1417 1.2 1949 0.2	20 SAB 0254 1.2 0708 0.4 1445 1.1 1923 0.2	04 SAB 0149 1.2 1004 0.4 1400 1.0 2053 0.2	20 SEG 0311 1.2 0751 0.4 1500 1.1 2139 0.1
05 DOM 0111 1.1 0754 0.0 1426 1.2 2008 0.3	21 TER 0217 1.3 0821 0.1 1453 1.1 1851 0.3	05 TER 0126 1.2 0809 0.0 1421 1.3 2004 0.3	21 QUI 0236 1.3 0728 0.2 1447 1.1 1906 0.2	05 SEX 0204 1.3 1002 0.3 1456 1.1 1926 0.2	21 DOM 0334 1.1 0741 0.4 1517 1.0 1947 0.2	05 DOM 0239 1.2 0623 0.6 0817 0.7 1130 0.5 1508 1.0 1930 0.2	21 TER 0353 1.2 0826 0.4 1545 1.0 2013 0.2
06 SEG 0154 1.2 0838 0.0 1458 1.3 2036 0.3	22 QUA 0300 1.3 0836 0.2 1519 1.1 1926 0.2	06 QUA 0200 1.2 0900 0.1 1456 1.3 2028 0.3	22 SEX 0311 1.2 0728 0.3 1511 1.1 1941 0.1	06 SAB 0251 1.2 0700 0.5 0900 0.6 1134 0.4 1532 1.0 1941 0.2	22 SEG 0406 1.1 0811 0.4 1558 1.0 2009 0.2	06 SEG 0330 1.1 0656 0.6 0932 0.9 1247 0.5 1554 0.9 2000 0.2	22 QUA 0424 1.1 0906 0.5 1624 1.0 2047 0.2
07 TER 0234 1.2 0930 0.0 1526 1.3 2056 0.3	23 QUI 0343 1.2 0813 0.2 1551 1.1 2004 0.2	07 QUI 0238 1.3 1013 0.2 1524 1.2 2019 0.3	23 SAB 0356 1.1 0758 0.3 1549 1.1 2006 0.1	07 DOM 0339 1.2 0713 0.5 0956 0.8 1253 0.5 1606 0.9 2006 0.2	23 TER 0441 1.0 0849 0.5 1641 0.9 2045 0.2	07 TER 0413 1.1 0726 0.6 1030 1.0 1353 0.6 1638 0.8 2030 0.2	23 QUI 0500 1.1 0941 0.5 1706 0.9 2115 0.3 2321 0.3
08 QUA 0306 1.2 1036 0.1 1558 1.3 2104 0.3	24 SEX 0419 1.2 0824 0.3 1617 1.1 2036 0.2	08 SEX 0311 1.2 0738 0.3 0915 0.4 1138 0.3 1600 1.1 2013 0.2	24 DOM 0434 1.1 0823 0.4 1619 1.0 2028 0.2	08 SEG 0423 1.1 0747 0.5 1049 1.0 1402 0.5 1654 0.8 2038 0.2	24 QUA 0509 1.0 0911 0.6 1304 0.8 1456 0.7 1726 0.8 2113 0.3	08 QUA 0500 1.0 0804 0.5 1128 1.1 1456 0.6 1723 0.8 2108 0.3 2354 0.4	24 SEX 0539 1.0 1017 0.6 1758 0.9 2156 0.3 2358 0.4
09 QUI 0345 1.2 0819 0.3 0919 0.3 1143 0.2 1630 1.2 2054 0.3	25 SAB 0500 1.1 0856 0.3 1654 1.0 2100 0.2	09 SAB 0356 1.2 0753 0.4 1009 0.6 1253 0.4 1638 1.0 2032 0.2	25 SEG 0502 1.0 0856 0.5 1239 0.7 1400 0.7 1700 0.9 2058 0.2	09 TER 0508 1.0 0813 0.5 1138 1.1 1509 0.5 1743 0.7 2108 0.3	25 QUI 0000 0.4 0136 0.4 0553 0.9 0917 0.7 1302 0.7 1556 0.7 1817 0.8 2156 0.3	09 QUI 0121 0.4 0545 0.9 0853 0.4 1226 1.1 1556 0.6 1817 0.8 2156 0.4	25 SAB 0204 0.3 0623 0.9 1015 0.7 1538 0.6 1849 0.8 2226 0.4
10 SEX 0415 1.1 0823 0.3 1021 0.4 1247 0.3 1702 1.1 2102 0.3	26 DOM 0543 1.0 0923 0.4 1258 0.7 1402 0.7 1730 1.0 2121 0.2	10 DOM 0439 1.1 0806 0.4 1100 0.8 1402 0.5 1711 0.9 2058 0.2	26 TER 0538 0.9 0919 0.6 1300 0.8 1521 0.7 1751 0.8 2126 0.2	10 QUA 0013 0.5 0215 0.4 0600 0.9 0854 0.5 1228 1.2 1611 0.5 1841 0.7 2151 0.4	26 SEX 0015 0.5 0245 0.4 0645 0.8 0908 0.8 1121 0.8 1636 0.6 1913 0.8 2236 0.5	10 SEX 0009 0.5 0236 0.8 0623 0.8 0938 0.4 1321 1.1 1649 0.6 1917 0.8 2249 0.5	26 DOM 0013 0.5 0306 0.3 0719 0.9 1139 0.7 1613 0.6 1934 0.8 2306 0.5
11 SAB 0456 1.1 0845 0.4 1111 0.6 1354 0.4 1741 1.0 2121 0.3	27 SEG 0238 0.6 0617 0.9 0958 0.5 1317 0.8 1536 0.7 1809 0.9 2153 0.3	11 SEG 0523 1.0 0838 0.5 1153 1.0 1515 0.5 1758 0.8 2123 0.2	27 QUA 0036 0.5 0215 0.5 0611 0.8 0926 0.7 1315 0.8 1615 0.6 1843 0.8 2202 0.3	11 QUI 0032 0.5 0313 0.4 0654 0.8 0936 0.6 1319 1.1 1704 0.5 1949 0.7 2238 0.5	27 SAB 0039 0.5 0341 0.3 0806 0.8 0900 0.8 1132 0.9 1658 0.5 2009 0.8	11 SAB 0047 0.5 0326 0.4 0709 0.8 1028 0.5 1411 1.0 1726 0.5 2019 0.8	27 SEG 0032 0.5 0402 0.3 0834 0.9 0834 0.9 1654 0.5 2019 0.9
12 DOM 0121 0.7 0541 1.0 0904 0.4 1204 0.8 1508 0.5 1815 0.8 2151 0.3	28 TER 0104 0.6 0317 0.5 0706 0.8 1034 0.7 1349 0.8 1638 0.6 1900 0.8 2219 0.3	12 TER 0051 0.6 0258 0.5 0611 0.9 0904 0.5 1239 1.1 1624 0.5 1854 0.7 2156 0.3	28 QUI 0053 0.6 0315 0.4 0709 0.8 0900 0.8 1151 0.8 1700 0.6 1943 0.7 2249 0.5	12 SEX 0045 0.6 0402 0.3 0758 0.7 1021 0.6 1409 1.1 1753 0.4 2102 0.8	28 DOM 0430 0.2 1139 0.9 1717 0.4 2113 0.8	12 DOM 0004 0.5 0058 0.5 0413 0.4 0806 0.8 1138 0.5 1500 0.9 1804 0.5 2128 0.9	28 TER 0500 0.2 0956 0.9 1726 0.4 2117 0.9
13 SEG 0111 0.7 0323 0.6 0628 0.9 0938 0.5 1254 0.9 1623 0.5 1902 0.7 2211 0.4	29 QUA 0109 0.6 0400 0.4 1104 0.8 1717 0.5 2000 0.7 2300 0.5	13 QUA 0100 0.6 0354 0.4 0709 0.8 0941 0.6 1324 1.2 1721 0.4 2000 0.6 2219 0.5	29 SEX 0100 0.6 0406 0.3 1147 0.9 1724 0.5 2049 0.8	13 SAB 0447 0.3 0913 0.8 1149 0.7 1500 0.9 1828 0.4 2219 0.9	29 SEG 0517 0.2 1136 1.0 1749 0.3 2223 0.9	13 SEG 0502 0.4 0908 0.8 1300 0.6 1545 0.7 1845 0.4 2239 1.0	29 QUA 0558 0.2 1100 0.9 1802 0.3 2226 1.0
14 TER 0126 0.7 0411 0.5 0728 0.8 1004 0.6 1339 1.0 1728 0.4 2002 0.6 2238 0.5	30 QUI 0123 0.6 0447 0.3 1149 0.9 1756 0.5 2109 0.7	14 QUI 0104 0.6 0439 0.3 0832 0.7 1008 0.7 1409 1.1 1809 0.4 2149 0.7	30 SAB 0458 0.2 1200 1.0 1749 0.4 2221 0.8	14 DOM 0523 0.2 1032 0.8 1356 0.7 1554 0.7 1904 0.4 2315 1.0	30 TER 0606 0.1 1156 1.1 1817 0.3 2323 1.0	14 TER 0553 0.3 1011 0.9 1500 0.5 1806 0.5 1906 0.4 2336 1.1	30 QUI 0656 0.2 1156 1.0 1847 0.2 2349 1.0
15 QUA 0136 0.7 0500 0.3 0849 0.8 1039 0.7 1419 1.1 1823 0.4	31 DOM 0545 0.1 1219 1.1 1806 0.3 2335 1.0	15 SEX 0036 0.7 0513 0.2 1456 1.0 1856 0.4 2328 0.9	31 DOM 0545 0.1 1219 1.1 1806 0.3 2335 1.0	15 SEG 0600 0.2 1128 0.9 1547 0.5 1658 0.6 1941 0.4	15 SEG 0600 0.2 1128 0.9 1547 0.5 1658 0.6 1941 0.4	15 QUA 0636 0.3 1109 0.9 1911 0.4	31 SEX 0753 0.2 1249 1.0 1928 0.1
16 QUI 0109 0.7 0541 0.2 1458 1.1 1915 0.4	16 SAB 0553 0.1 1154 0.9 1421 0.8 1541 0.8 1938 0.4	16 SAB 0553 0.1 1154 0.9 1421 0.8 1541 0.8 1938 0.4	16 SAB 0553 0.1 1154 0.9 1421 0.8 1541 0.8 1938 0.4	16 TER 0002 1.2 0641 0.2 1215 1.0 1654 0.4 1951 0.4	16 TER 0002 1.2 0641 0.2 1215 1.0 1654 0.4 1951 0.4	16 QUI 0021 1.1 0709 0.4 1202 1.0 1845 0.3	16 QUI 0021 1.1 0709 0.4 1202 1.0 1845 0.3