

PORTO DE SANTOS (CAPITANIA DOS PORTOS DE SP) - 2023

Latitude 23° 57' 4 S
DHN

Longitude 046° 18' 5 W

Fuso +03.0 horas

24 Componentes

Nível Médio 0.78 m

Carta 1713

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	0000	1.1	17 TER	0719	0.5	01 QUA	0141	1.1	17 SEX	0121	1.3	01 SAB	0141	1.2	17 SEG	0134	1.3				
	0428	0.5		1317	1.1		0804	0.7		0843	0.4		0811	0.4		0708	0.6	0754	0.4		
	1245	0.9		1749	0.3		1247	1.0		1417	1.2		1324	1.1		1253	1.1	1351	1.3		
	1745	0.6		2358	1.2		1856	0.4		1915	0.0		1809	0.5		1809	0.1	1900	0.3	1921	0.0
02 SEG	0036	1.1	18 QUA	0800	0.5	02 QUI	0215	1.2	18 SAB	0204	1.4	02 DOM	0156	1.3	18 TER	0143	1.3				
	0530	0.6		1356	1.2		0738	0.6		0900	0.4		0824	0.4		0708	0.4	0754	0.4		
	1208	0.9		1836	0.1		1311	1.1		1449	1.3		1258	1.0		1354	1.2	1308	1.2	1421	1.4
	1817	0.5					1934	0.3		2004	-0.1		1853	0.4		1900	0.0	1928	0.2	2002	0.0
03 TER	0126	1.2	19 QUI	0100	1.4	03 SEX	0249	1.3	19 DOM	0238	1.5	03 SEG	0204	1.2	19 QUA	0200	1.4				
	0624	0.5		0838	0.4		0743	0.5		0913	0.4		0836	0.4		0728	0.3	0809	0.3		
	1228	1.0		1434	1.2		1339	1.2		1515	1.3		1313	1.1		1421	1.3	1323	1.4	1449	1.5
	1854	0.3		1923	0.0		2009	0.2		2049	-0.2		1926	0.3		1947	-0.1	1958	0.1	2036	0.0
04 QUA	0208	1.2	20 SEX	0154	1.5	04 SAB	0308	1.3	20 SEG	0308	1.5	04 TER	0228	1.3	20 QUI	0221	1.4				
	0708	0.5		0906	0.4		0813	0.4		0923	0.4		0839	0.4		0756	0.1	0836	0.2		
	1304	1.1		1504	1.2		1408	1.3		1543	1.4		1334	1.2		1449	1.4	1349	1.5	1521	1.5
	1932	0.2		2011	-0.1		2043	0.1		2132	-0.2		1956	0.2		2028	-0.2	2028	0.1	2108	0.1

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DHN

24 Componentes

Nível Médio 0.78 m

Carta 1713

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 SEG	0117 1.2 0624 0.4 1221 1.2 1853 0.3	17 QUA	0102 1.2 0713 0.3 1356 1.4 1930 0.2	01 QUI	0151 1.3 0653 0.1 1249 1.4 1949 0.3	17 SAB	0124 1.2 0758 0.2 1509 1.3 2015 0.4	01 SAB	0221 1.2 0711 0.1 1321 1.4 2039 0.4	17 SEG	0154 1.2 0838 0.1 1539 1.3 2041 0.4	01 TER	0321 1.2 0841 -0.1 1502 1.5 2136 0.4	17 QUI	0245 1.4 0932 0.1 1600 1.4 2128 0.2
02 TER	0141 1.3 0654 0.2 1245 1.4 1926 0.2	18 QUI	0121 1.2 0739 0.2 1432 1.4 2006 0.2	02 SEX	0226 1.3 0730 0.0 1332 1.5 2030 0.3	18 DOM	0200 1.3 0839 0.1 1545 1.3 2053 0.4	02 DOM	0256 1.2 0800 0.0 1413 1.5 2117 0.4	18 TER	0226 1.3 0915 0.1 1602 1.3 2115 0.4	02 QUA	0351 1.3 0930 -0.2 1539 1.5 2153 0.5	18 SEX	0311 1.4 1004 0.1 1626 1.4 2202 0.2
03 QUA	0208 1.4 0723 0.1 1313 1.5 2002 0.2	19 SEX	0151 1.3 0809 0.2 1509 1.4 2038 0.3	03 SAB	0258 1.2 0811 0.0 1417 1.5 2109 0.3	19 SEG	0236 1.3 0921 0.1 1619 1.3 2128 0.4	03 SEG	0334 1.2 0851 -0.1 1506 1.5 2151 0.5	19 QUA	0300 1.3 0954 0.1 1630 1.3 2153 0.3	03 QUI	0424 1.3 1019 -0.1 1611 1.4 2209 0.5	19 SAB	0349 1.4 1038 0.1 1651 1.3 2236 0.3
04 QUI	0238 1.4 0756 0.0 1354 1.5 2039 0.2	20 SAB	0217 1.3 0847 0.1 1539 1.3 2109 0.3	04 DOM	0332 1.2 0858 0.0 1506 1.5 2147 0.4	20 TER	0306 1.2 1006 0.2 1647 1.2 2208 0.5	04 TER	0409 1.2 0943 -0.1 1553 1.5 2215 0.5	20 QUI	0330 1.3 1032 0.2 1658 1.3 2228 0.4	04 SEX	0458 1.2 1104 0.0 1641 1.3 2232 0.5	20 DOM	0423 1.4 1108 0.2 1713 1.2 2313 0.3
05 SEX	0308 1.3 0830 0.0 1432 1.6 2115 0.2	21 DOM	0251 1.3 0923 0.2 1617 1.3 2145 0.4	05 SEG	0353 1.1 0949 0.0 1556 1.5 2217 0.5	21 QUA	0338 1.2 1051 0.2 1724 1.2 2249 0.5	05 QUA	0445 1.1 1036 0.0 1636 1.4 2236 0.6	21 SEX	0404 1.3 1108 0.2 1730 1.2 2308 0.4	05 SAB	0538 1.2 1149 0.1 1706 1.2 2256 0.6	21 SEG	0504 1.3 1141 0.3 1717 1.1
06 SAB	0330 1.3 0909 0.0 1513 1.6 2149 0.3	22 SEG	0315 1.2 1004 0.2 1645 1.2 2219 0.5	06 TER	0423 1.0 1045 0.1 1645 1.4 2241 0.6	22 QUI	0408 1.2 1138 0.3 1802 1.1 2334 0.6	06 QUI	0532 1.1 1130 0.0 1713 1.3 2258 0.7	22 SAB	0445 1.2 1147 0.3 1804 1.1 2353 0.5	06 DOM	0624 1.1 1230 0.2 1734 1.1 2315 0.6	22 TER	0006 0.4 0554 1.2 1206 0.5 1713 0.9
07 DOM	0338 1.2 0954 0.1 1600 1.5 2217 0.4	23 TER	0343 1.2 1051 0.3 1730 1.1 2258 0.6	07 QUA	0409 0.9 1147 0.1 1732 1.3 2304 0.8	23 SEX	0451 1.1 1223 0.4 1849 1.1	07 SEX	0626 1.0 1223 0.1 1751 1.2 2321 0.7	23 DOM	0528 1.2 1147 0.4 1838 1.0	07 SEG	0721 1.0 1309 0.4 1758 1.0 2309 0.6	23 QUA	0123 0.5 0654 1.1 1230 0.6 1702 0.8 2008 0.7 2249 0.8
08 SEG	0341 1.0 1047 0.1 1647 1.4 2239 0.6	24 QUA	0402 1.1 1147 0.4 1821 1.0 2345 0.7	08 QUI	0306 0.9 0526 0.9 0717 0.9 1249 0.2 1823 1.2 2326 0.8	24 SAB	0036 0.6 0543 1.0 1311 0.4 1949 1.0	08 SAB	0726 1.0 1313 0.2 1823 1.1 2351 0.8	24 SEG	0054 0.5 0624 1.1 1306 0.5 1932 0.9	08 TER	0838 1.0 1356 0.6 1813 0.9 2245 0.7	24 QUI	0249 0.5 0811 1.1 1304 0.8 1528 0.8 2000 0.6
09 TER	0338 0.9 1151 0.2 1738 1.3 2256 0.7	25 QUI	0428 1.0 1256 0.5 1926 1.0	09 SEX	0211 0.9 0551 0.8 0838 0.9 1351 0.2 1919 1.0	25 DOM	0156 0.6 0706 1.0 1406 0.5 2119 1.0	09 DOM	0411 0.9 0832 1.0 1404 0.3 1902 0.9	25 TER	0209 0.5 0734 1.1 1358 0.6 2247 0.9	09 QUA	1032 1.0 1458 0.7 1758 0.8 2251 0.7	25 SEX	0000 0.9 0400 0.4 0949 1.1 1956 0.6
10 QUA	0254 0.9 0658 0.7 0804 0.8 1302 0.3 1836 1.1 2308 0.9	26 SEX	0106 0.8 0508 0.9 1408 0.5 2108 0.9	10 SAB	0000 0.9 0204 0.9 0608 0.8 0943 0.9 1449 0.3 2036 1.0	26 SEG	0308 0.6 0838 1.0 1508 0.5 2311 1.0	10 SEG	0036 0.8 0939 1.0 1458 0.4 1956 0.9 2302 0.8	26 QUA	0321 0.5 0853 1.1 1534 0.6	10 QUI	0102 0.7 0423 0.6 1217 1.0 2006 0.7	26 SAB	0049 1.0 0502 0.3 1119 1.2 2004 0.5
11 QUI	0204 0.9 0649 0.7 0951 0.8 1413 0.3 2000 1.0 2313 1.0	27 SAB	0300 0.7 0939 0.9 1517 0.5 2319 1.0	11 DOM	0626 0.7 1039 1.0 1545 0.3	27 TER	0408 0.5 0945 1.1 1624 0.5	11 TER	0021 0.8 0343 0.7 0951 1.0 1554 0.5 2126 0.8 2321 0.8	27 QUI	0004 1.0 0423 0.4 1004 1.1 1906 0.6	11 SEX	0053 0.8 0541 0.5 1317 1.1 2002 0.7	27 DOM	0123 1.1 0600 0.2 1239 1.3 2021 0.4
12 SEX	0151 1.0 0654 0.6 1053 0.9 1519 0.3	28 DOM	0413 0.6 1023 1.0 1623 0.5	12 SEG	0015 1.0 0630 0.7 1130 1.1 1639 0.4	28 QUA	0013 1.1 0500 0.4 1041 1.2 1754 0.5	12 QUA	0500 0.6 1202 1.1 1658 0.6 2315 0.9	28 SEX	0056 1.1 0517 0.3 1115 1.2 1949 0.5	12 SAB	0034 0.9 0630 0.4 1400 1.2 1958 0.6	28 SEG	0156 1.2 0653 0.0 1334 1.4 2041 0.4
13 SAB	0054 1.0 0704 0.6 1138 1.0 1619 0.3	29 SEG	0002 1.1 0502 0.5 1054 1.1 1721 0.4	13 TER	0026 1.0 0608 0.6 1217 1.2 1732 0.4	29 QUI	0100 1.1 0545 0.3 1134 1.3 1904 0.4	13 QUI	0547 0.5 1304 1.1 1815 0.6	29 SAB	0138 1.1 0609 0.2 1223 1.3 2019 0.4	13 DOM	0053 1.0 0711 0.3 1432 1.2 1939 0.6	29 TER	0226 1.3 0741 -0.1 1413 1.5 2053 0.4
14 DOM	0047 1.1 0713 0.6 1213 1.1 1715 0.2	30 TER	0039 1.2 0541 0.4 1124 1.2 1815 0.4	14 QUA	0006 1.0 0615 0.5 1302 1.2 1823 0.4	30 SEX	0143 1.2 0626 0.2 1226 1.4 1956 0.4	14 SEX	0004 1.0 0630 0.4 1356 1.2 1909 0.6	30 DOM	0211 1.2 0702 0.1 1324 1.4 2051 0.4	14 SEG	0121 1.2 0751 0.2 1456 1.3 1958 0.4	30 QUA	0254 1.3 0826 -0.2 1445 1.5 2104 0.4
15 SEG	0053 1.1 0709 0.6 1249 1.2 1808 0.2	31 QUA	0113 1.2 0615 0.2 1204 1.3 1902 0.3	15 QUI	0021 1.1 0645 0.4 1347 1.3 1906 0.4	15 QUI	0054 1.1 0719 0.2 1432 1.3 1939 0.4	15 SAB	0041 1.1 0711 0.3 1438 1.2 1932 0.5	31 SEG	0249 1.2 0753 0.0 1417 1.5 2115 0.4	15 TER	0149 1.3 0826 0.1 1517 1.3 2026 0.3	31 QUI	0323 1.4 0911 -0.2 1513 1.5 2117 0.4
16 TER	0053 1.2 0702 0.5 1323 1.3 1853 0.2			16 SEX			16 DOM	0117 1.2 0756 0.2 1509 1.3 2008 0.5			16 QUA	0215 1.4 0900 0.1 1536 1.4 2058 0.2			

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Latitude 23° 57'.4 S
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Longitude 046° 18'.5 W

Fuso +03.0 horas

24 Componentes

Nível Médio 0.78 m

Carta 1713

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	0353 1.4 0953 -0.1 1538 1.4 2138 0.3	17 DOM	0323 1.5 1004 0.1 1613 1.3 2206 0.2	01 DOM	0351 1.4 0954 0.1 1523 1.3 2136 0.2	17 TER	0345 1.5 1006 0.3 1541 1.1 2226 0.2	01 QUA	0432 1.2 1017 0.5 1541 1.2 2223 0.3	17 SEX	0508 1.3 1043 0.7 1504 0.9	01 SEX	0521 1.1 1038 0.6 1551 1.1 2324 0.3	17 DOM	0017 0.1 0551 1.2 1111 0.8 1458 0.9 1728 0.9 1947 0.9
02 SAB	0424 1.4 1030 0.0 1602 1.3 2202 0.4	18 SEG	0402 1.5 1034 0.2 1619 1.2 2247 0.2	02 SEG	0423 1.3 1023 0.2 1551 1.2 2200 0.3	18 QUA	0424 1.4 1030 0.5 1543 1.0 2321 0.3	02 QUI	0513 1.1 1051 0.6 1553 1.1 2306 0.4	18 SAB	0034 0.3 0606 1.2 1102 0.8 1408 0.9 1836 0.7 2108 0.8	02 SAB	0604 1.0 1117 0.7 1609 1.1	18 SEG	0115 0.2 0641 1.1 1145 0.8 1432 0.9 1754 0.8 2102 0.9
03 DOM	0453 1.3 1106 0.1 1624 1.2 2224 0.4	19 TER	0445 1.4 1058 0.4 1617 1.1 2336 0.4	03 TER	0439 1.2 1053 0.4 1606 1.2 2223 0.4	19 QUI	0513 1.3 1049 0.6 1526 0.9	03 SEX	0608 1.0 1123 0.8 1556 1.0	19 DOM	0147 0.3 0721 1.1 1123 0.9 1347 1.0 1838 0.6 2223 0.9	03 DOM	0028 0.4 0700 1.0 1221 0.7 1651 1.0	19 TER	0213 0.3 0741 1.0 1809 0.8 2209 1.0
04 SEG	0523 1.2 1138 0.3 1649 1.1 2241 0.5	20 QUA	0528 1.3 1115 0.5 1611 0.9	04 QUA	0508 1.1 1117 0.6 1613 1.1 2228 0.5	20 SEX	0043 0.4 0611 1.2 1102 0.8 1439 0.9 1913 0.6 2208 0.8	04 SAB	0047 0.5 0915 0.9 1226 0.9 1600 1.0 2053 0.7	20 SEG	0254 0.3 0936 1.0 1849 0.6 2311 1.0	04 SEG	0141 0.5 0828 0.9 1411 0.8 1804 0.9	20 QUA	0313 0.4 1206 0.9 1821 0.7 2308 1.0
05 TER	0532 1.1 1208 0.5 1702 1.0 2232 0.5	21 QUI	0054 0.5 0626 1.2 1128 0.7 1545 0.9 1954 0.7 2243 0.8	05 QUI	0547 1.0 1149 0.8 1606 1.0 2204 0.6	21 SAB	0204 0.4 0739 1.1 1113 0.9 1388 1.0 1913 0.6 2311 0.9	05 DOM	0304 0.6 1158 1.0 1941 0.8 2302 0.9	21 TER	0356 0.3 1221 1.1 1858 0.6 2354 1.1	05 TER	0254 0.5 1109 0.9 1547 0.7 2200 0.9	21 QUI	0413 0.4 1238 0.9 1806 0.6
06 QUA	0613 1.0 1245 0.7 1656 0.9 2213 0.6	22 SEX	0223 0.5 0751 1.1 1149 0.9 1434 0.9 1949 0.6 2347 0.9	06 SEX	1554 1.0 2106 0.7	22 DOM	0319 0.4 1315 1.1 1917 0.5 2358 1.0	06 SEG	0434 0.5 1223 1.0 1821 0.7 2336 1.0	22 QUA	0454 0.2 1239 1.1 1858 0.5	06 QUA	0402 0.5 1154 1.0 1643 0.6 2232 1.0	22 SEX	0000 1.1 0519 0.4 1238 1.0 1806 0.5
07 QUI	1056 0.9 1353 0.9 1626 0.9 2158 0.6	23 SAB	0343 0.4 0951 1.0 1206 1.0 1341 1.0 1947 0.5	07 SAB	0004 0.7 0402 0.6 1238 1.0 2004 0.7	23 SEG	0424 0.3 1243 1.2 1928 0.5	07 TER	0528 0.4 1247 1.1 1747 0.6 2351 1.1	23 QUI	0028 1.2 0549 0.2 1245 1.1 1849 0.5	07 QUI	0506 0.5 1228 1.1 1723 0.4 2306 1.1	23 SAB	0051 1.2 0623 0.4 1223 1.0 1832 0.4
08 SEX	0058 0.7 0415 0.6 1243 1.0 2030 0.7	24 DOM	0028 1.0 0449 0.3 1232 1.2 1954 0.5	08 DOM	0006 0.8 0526 0.5 1300 1.1 1939 0.7	24 TER	0032 1.1 0523 0.2 1254 1.2 1936 0.5	08 QUA	0606 0.4 1302 1.2 1809 0.4	24 SEX	0102 1.3 0636 0.2 1249 1.2 1858 0.3	08 SEX	0558 0.4 1300 1.2 1800 0.3 2345 1.3	24 DOM	0138 1.3 0715 0.4 1243 1.1 1906 0.2
09 SAB	0049 0.8 0543 0.5 1317 1.1 2004 0.7	25 SEG	0100 1.1 0545 0.2 1304 1.3 2002 0.4	09 SEG	0019 1.0 0609 0.4 1321 1.2 1856 0.6	25 QUA	0100 1.2 0613 0.1 1313 1.3 1934 0.4	09 QUI	0004 1.2 0634 0.3 1324 1.3 1836 0.3	25 SAB	0139 1.4 0721 0.2 1308 1.2 1921 0.2	09 SAB	0645 0.4 1336 1.2 1836 0.2	25 SEG	0219 1.3 0743 0.4 1311 1.2 1947 0.2
10 DOM	0045 0.9 0628 0.4 1351 1.2 1949 0.6	26 TER	0134 1.2 0636 0.0 1330 1.4 2011 0.4	10 TER	0034 1.1 0643 0.3 1341 1.2 1851 0.4	26 QUI	0130 1.3 0700 0.0 1324 1.3 1934 0.3	10 SEX	0023 1.3 0706 0.2 1351 1.3 1904 0.1	26 DOM	0215 1.4 0754 0.2 1332 1.3 1956 0.1	10 DOM	0023 1.4 0726 0.3 1409 1.3 1913 0.1	26 TER	0258 1.3 0815 0.4 1349 1.2 2026 0.1
11 SEG	0056 1.1 0704 0.3 1409 1.3 1926 0.5	27 QUA	0158 1.3 0723 -0.1 1353 1.4 2015 0.4	11 QUA	0047 1.2 0709 0.2 1354 1.3 1909 0.3	27 SEX	0158 1.4 0741 0.0 1339 1.4 1951 0.2	11 SAB	0054 1.4 0739 0.2 1417 1.4 1936 0.0	27 SEG	0253 1.4 0824 0.3 1402 1.3 2030 0.1	11 SEG	0108 1.5 0808 0.3 1443 1.3 1956 0.0	27 QUA	0336 1.3 0843 0.4 1419 1.3 2108 0.1
12 TER	0113 1.2 0736 0.2 1430 1.3 1938 0.4	28 QUI	0226 1.4 0806 -0.1 1417 1.5 2024 0.3	12 QUI	0102 1.3 0736 0.1 1415 1.4 1934 0.2	28 SAB	0230 1.5 0819 0.0 1402 1.4 2013 0.2	12 DOM	0126 1.5 0813 0.2 1445 1.3 2009 0.0	28 TER	0332 1.4 0856 0.3 1430 1.3 2108 0.1	12 TER	0156 1.5 0849 0.3 1517 1.2 2038 0.0	28 QUI	0408 1.3 0917 0.4 1454 1.3 2151 0.1
13 QUA	0132 1.3 0804 0.1 1445 1.4 2004 0.2	29 SEX	0253 1.5 0845 -0.1 1438 1.4 2045 0.2	13 SEX	0123 1.5 0804 0.1 1438 1.4 2002 0.1	29 DOM	0300 1.5 0851 0.1 1424 1.4 2045 0.1	13 SEG	0206 1.6 0851 0.2 1513 1.3 2049 0.0	29 QUA	0408 1.3 0926 0.4 1500 1.3 2149 0.2	13 QUA	0243 1.5 0923 0.4 1543 1.2 2126 0.0	29 SEX	0436 1.3 0953 0.4 1521 1.3 2230 0.2
14 QUI	0154 1.4 0832 0.1 1506 1.4 2030 0.1	30 SAB	0324 1.5 0923 -0.1 1500 1.4 2108 0.2	14 SAB	0154 1.5 0836 0.1 1504 1.4 2032 0.0	30 SEG	0334 1.4 0919 0.2 1454 1.3 2115 0.1	14 TER	0251 1.6 0923 0.3 1526 1.2 2130 0.0	30 QUI	0441 1.2 1002 0.5 1524 1.2 2234 0.2	14 QUI	0330 1.5 0956 0.5 1615 1.1 2219 0.0	30 SAB	0506 1.2 1028 0.5 1556 1.2 2311 0.2
15 SEX	0219 1.5 0902 0.1 1530 1.4 2100 0.1			15 DOM	0224 1.6 0906 0.1 1526 1.3 2106 0.0	31 TER	0408 1.3 0951 0.3 1517 1.3 2149 0.2	15 QUA	0334 1.5 0954 0.4 1528 1.1 2219 0.1			15 SEX	0417 1.4 1021 0.6 1630 1.0 2317 0.1	31 DOM	0539 1.2 1106 0.5 1628 1.2
16 SAB	0251 1.5 0934 0.1 1553 1.4 2132 0.1			16 SEG	0302 1.6 0939 0.2 1538 1.2 2145 0.1			16 QUI	0417 1.4 1017 0.5 1526 1.0 2321 0.2			16 SAB	0504 1.3 1049 0.7 1619 0.9		