

PORTO DE SANTOS (CAPITANIA DOS PORTOS DE SP) - 2022

Latitude 23° 57'.4 S

Longitude 046° 18'.5 W

Fuso +03.0 horas

DHN

24 Componentes

Nível Médio 0.78 m

Carta 1701

Maio		Junho		Julho		Agosto					
HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)	HORA	ALT (m)				
01	0230 1.3	17	0334 1.2	01	0258 1.3	17	0515 1.0	01	0434 1.3	17	0511 1.1
DOM	0830 0.2	TER	0941 0.0	01	0928 0.2	SEX	1115 0.1	01	1126 0.2	QUA	1224 0.4
	1500 1.4		1547 1.5		1609 1.3		1708 1.3		1730 1.2		1732 1.0
	2113 0.2		2204 0.5		2202 0.4		2247 0.7		2326 0.4		2241 0.5
02	0256 1.3	18	0353 1.1	02	0324 1.2	18	0336 0.9	02	0400 1.2	18	0651 1.1
SEG	0858 0.2	QUA	1030 0.1	02	1015 0.3	SAB	0508 0.9	02	1108 0.2	18	1228 0.2
	1526 1.4		1630 1.4		1653 1.2		0641 0.9		1732 1.2		1758 1.1
	2149 0.3		2223 0.6		2239 0.5		1213 0.1		2306 0.5		2249 0.7
							1753 1.2				
							2258 0.8				
03	0315 1.3	19	0349 1.0	03	0358 1.1	19	0313 0.9	03	0445 1.1	19	0508 1.0
TER	0928 0.2	QUI	1126 0.2	03	1111 0.3	DOM	0554 0.8	03	1158 0.3	19	0756 1.0
	1604 1.3		1715 1.3		1741 1.1		0758 0.9		1817 1.2		1315 0.3
	2221 0.4		2241 0.7		2319 0.6		1309 0.2		2356 0.5		1830 1.0
							1836 1.1				2254 0.7
							2241 0.8				
04	0339 1.2	20	0258 0.9	04	0436 1.1	20	0315 0.9	04	0538 1.1	20	0902 1.0
QUA	1006 0.3	SEX	1232 0.3	04	1215 0.4	SEG	0615 0.8	04	1247 0.3	20	1404 0.5
	1645 1.2		1806 1.1		1843 1.1		0904 1.0		1909 1.1	QUA	1902 0.9
	2256 0.5		2245 0.9				1404 0.3			QUI	2311 0.7
							1924 0.9				
							2239 0.8				
05	0400 1.1	21	0219 1.0	05	0015 0.6	21	0204 0.9	05	0100 0.6	21	1015 1.0
QUI	1053 0.4	SAB	0632 0.7	05	0526 1.0	TER	0632 0.8	05	0643 1.0	21	1502 0.6
	1734 1.1		0854 0.8		1323 0.4		1006 1.0		1339 0.4	QUI	1947 0.8
	2328 0.6		1343 0.3		2009 1.0		1500 0.4		2036 1.0		
			1451 0.3				2026 0.9				
			2017 0.9				2300 0.8				
			2200 0.9								
06	0421 1.0	22	0200 1.0	06	0147 0.7	22	0117 0.9	06	0217 0.6	22	0056 0.7
SEX	1206 0.5	DOM	0654 0.7	06	0711 0.9	QUA	0554 0.8	06	0758 1.0	22	0413 0.7
	1845 1.0		1002 0.9		1428 0.4		1102 1.1		1438 0.5	SEX	1138 1.0
			1451 0.3		2153 1.0		1556 0.4		2239 1.0	SAB	1606 0.6
			2017 0.9				2158 0.9				2238 0.8
			2200 0.9								
07	0019 0.7	23	0134 1.0	07	0324 0.6	23	0039 0.8	07	0330 0.5	23	0524 0.6
SAB	0449 0.9	SEG	0706 0.7	07	0904 0.9	QUI	0541 0.7	07	0909 1.1	23	1247 1.1
	1351 0.5		1100 1.0		1534 0.4		1156 1.1		1551 0.5	SAB	1717 0.7
	2100 1.0		1551 0.3		2319 1.1		1651 0.5		2354 1.1	DOM	2000 0.5
							2321 0.9				
08	0247 0.8	24	0123 1.0	08	0426 0.5	24	0558 0.6	08	0428 0.4	24	0013 0.9
DOM	0515 0.8	TER	0708 0.7	08	1009 1.0	SEX	1245 1.2	08	1015 1.1	24	0609 0.5
	0909 0.8		1147 1.1		1641 0.4		1743 0.5		1749 0.5	DOM	1338 1.1
	1511 0.5		1645 0.3							SEG	1824 0.6
	2308 1.0										
09	0521 0.7	25	0111 1.0	09	0015 1.2	25	0008 1.0	09	0047 1.1	25	0047 1.0
SEG	1106 0.9	QUA	0654 0.6	09	0511 0.4	SAB	0624 0.4	09	0521 0.3	25	0647 0.4
	1623 0.5		1228 1.2		1102 1.2		1328 1.2		1119 1.2	SEG	1409 1.2
			1732 0.3		1751 0.4		1830 0.5		1921 0.5	QUI	1913 0.5
10	0004 1.1	26	0026 1.0	10	0058 1.2	26	0043 1.1	10	0128 1.1	26	0115 1.1
TER	0539 0.6	QUI	0647 0.5	10	0554 0.3	DOM	0654 0.3	10	0609 0.2	26	0724 0.3
	1124 1.0		1304 1.2		1151 1.3		1354 1.2		1219 1.3	TER	1438 1.2
	1726 0.4		1817 0.3		1853 0.3		1915 0.4		2009 0.4	QUA	1951 0.4
11	0047 1.3	27	0038 1.1	11	0138 1.3	27	0115 1.1	11	0202 1.2	27	0141 1.2
QUA	0604 0.4	SEX	0656 0.4	11	0634 0.2	SEG	0728 0.2	11	0658 0.1	27	0804 0.2
	1153 1.2		1336 1.3		1236 1.4		1428 1.3		1317 1.4	QUA	1502 1.3
	1821 0.3		1858 0.3		1947 0.3		1958 0.4		2051 0.4	QUI	2024 0.4
12	0123 1.3	28	0104 1.2	12	0209 1.3	28	0147 1.2	12	0238 1.2	28	0209 1.3
QUI	0630 0.3	SAB	0717 0.3	12	0713 0.1	TER	0806 0.2	12	0747 0.0	28	0845 0.1
	1224 1.3		1356 1.3		1323 1.4		1454 1.3		1409 1.4	QUI	1532 1.4
	1908 0.2		1936 0.3		2032 0.3		2036 0.4		2119 0.4	SEX	2058 0.3
13	0153 1.4	29	0134 1.2	13	0239 1.2	29	0215 1.3	13	0309 1.2	29	0243 1.3
SEX	0702 0.1	DOM	0741 0.2	13	0758 0.0	QUA	0847 0.2	13	0832 -0.1	29	0926 0.1
	1302 1.4		1423 1.3		1409 1.5		1534 1.3		1454 1.5	SEX	1602 1.4
	1953 0.2		2011 0.3		2109 0.4		2111 0.4		2139 0.5	SAB	2130 0.3
14	0224 1.4	30	0202 1.3	14	0313 1.2	30	0249 1.3	14	0343 1.2	30	0315 1.3
SAB	0739 0.1	SEG	0811 0.2	14	0845 0.0	QUI	0932 0.2	14	0921 -0.1	30	1008 0.1
	1343 1.5		1445 1.3		1456 1.5		1615 1.3		1536 1.4	SAB	1634 1.4
	2032 0.2		2053 0.3		2139 0.4		2149 0.4		2158 0.5	DOM	2206 0.3
15	0247 1.3	31	0228 1.3	15	0339 1.1	31	0339 1.1	15	0424 1.2	31	0354 1.3
DOM	0815 0.0	TER	0849 0.2	15	0930 0.0	QUA	0930 0.0	15	1009 -0.1	31	1049 0.1
	1421 1.5		1524 1.3		1541 1.4		2206 0.5		1613 1.4	DOM	1704 1.3
	2108 0.2		2124 0.3						2217 0.6	SEG	2245 0.3
16	0315 1.3			16	0421 1.1	QUI		16	0506 1.1	16	0443 1.2
SEG	0858 0.0			16	1021 0.0			16	1058 0.0	16	1147 0.2
	1504 1.5				1624 1.4				1649 1.3		1711 1.1
	2138 0.3				2226 0.6				2236 0.6		2228 0.5

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 QUI 0536 1.3 1141 0.5 1715 1.0	17 SAB 0630 0.9 1258 0.8 1649 0.9 2204 0.6	01 SAB 0026 0.4 0600 1.2 1111 0.7 1515 0.9 1938 0.7 2158 0.7	17 SEG 0143 0.6 1145 0.9 2045 0.7 2349 0.8	01 TER 0256 0.4 1332 1.1 1917 0.6 2323 1.0	17 QUI 0402 0.5 1149 1.1 1724 0.6 2309 1.0	01 QUI 0323 0.3 1309 1.0 1902 0.7 2323 1.1	17 SAB 0409 0.5 1158 1.1 1651 0.5 2234 1.1
	V		V	C			
02 SEX 0054 0.5 0624 1.2 1202 0.6 1653 0.8 2006 0.8 2213 0.8	18 DOM 1208 0.9 1504 0.9 1632 0.9 2106 0.7	02 DOM 0156 0.5 0706 1.0 1113 0.9 1439 1.0 1928 0.6 2315 0.8	18 TER 0351 0.6 1217 1.0 1908 0.7	02 QUA 0404 0.3 1321 1.1 1932 0.6	18 SEX 0504 0.4 1228 1.2 1745 0.5 2328 1.1	02 SEX 0423 0.3 1309 1.0 1849 0.6	18 DOM 0526 0.4 1245 1.2 1732 0.3 2324 1.2
03 SAB 0213 0.5 0736 1.1 1228 0.8 1528 0.8 1943 0.6 2343 0.9	19 SEG 0019 0.8 0447 0.6 1258 1.0 2002 0.7	03 SEG 0317 0.4 0908 1.0 1356 1.0 1941 0.5	19 QUA 0006 0.9 0506 0.5 1241 1.1 1834 0.6	03 QUI 0002 1.1 0502 0.2 1324 1.1 1934 0.6	19 SAB 0558 0.3 1302 1.3 1809 0.3	03 SAB 0008 1.2 0515 0.3 1241 1.0 1836 0.5	19 SEG 0638 0.4 1323 1.2 1813 0.2
04 DOM 0338 0.5 0911 1.0 1953 0.5	20 TER 0038 0.9 0551 0.5 1317 1.1 1911 0.6	04 TER 0002 1.0 0428 0.3 1332 1.1 1956 0.5	20 QUI 0021 1.0 0551 0.4 1302 1.2 1836 0.4	04 SEX 0039 1.2 0553 0.2 1317 1.2 1921 0.5	20 DOM 0002 1.3 0647 0.2 1336 1.3 1841 0.2	04 DOM 0049 1.2 0604 0.3 1228 1.1 1845 0.4	20 TER 0013 1.3 0734 0.3 1356 1.3 1858 0.1
05 SEG 0028 1.0 0447 0.4 1253 1.1 2008 0.5	21 QUA 0053 1.0 0628 0.4 1338 1.2 1911 0.5	05 QUA 0039 1.1 0526 0.2 1338 1.2 2004 0.5	21 SEX 0024 1.1 0632 0.3 1330 1.3 1849 0.3	05 SAB 0111 1.3 0634 0.1 1306 1.2 1919 0.4	21 SEG 0039 1.4 0730 0.2 1406 1.4 1915 0.1	05 SEG 0126 1.3 0643 0.3 1253 1.1 1908 0.3	21 QUA 0104 1.4 0817 0.3 1430 1.3 1939 0.0
06 TER 0102 1.1 0545 0.2 1328 1.2 2024 0.5	22 QUI 0102 1.1 0700 0.2 1358 1.3 1923 0.3	06 QUI 0108 1.2 0617 0.1 1339 1.3 2002 0.5	22 SAB 0039 1.3 0709 0.2 1356 1.4 1913 0.2	06 DOM 0143 1.4 0711 0.1 1319 1.3 1934 0.3	22 TER 0117 1.5 0809 0.2 1432 1.3 1956 0.0	06 TER 0154 1.3 0721 0.3 1319 1.2 1934 0.2	22 QUI 0151 1.5 0853 0.3 1458 1.2 2023 -0.1
07 QUA 0136 1.2 0634 0.1 1349 1.3 2038 0.5	23 SEX 0113 1.3 0734 0.1 1423 1.4 1943 0.2	07 SEX 0139 1.3 0700 0.0 1339 1.3 2000 0.4	23 DOM 0108 1.4 0747 0.1 1424 1.4 1943 0.1	07 SEG 0209 1.4 0745 0.1 1345 1.3 1954 0.2	23 QUA 0200 1.5 0845 0.2 1454 1.3 2036 0.0	07 QUA 0224 1.3 0758 0.3 1349 1.3 2004 0.1	23 SEX 0238 1.5 0924 0.4 1532 1.2 2111 -0.1
08 QUI 0202 1.3 0721 0.0 1406 1.4 2039 0.4	24 SAB 0136 1.4 0809 0.0 1447 1.5 2009 0.1	08 SAB 0206 1.4 0738 0.0 1353 1.4 2006 0.3	24 SEG 0141 1.5 0823 0.1 1445 1.4 2013 0.0	08 TER 0230 1.4 0817 0.1 1409 1.3 2017 0.1	24 QUI 0241 1.6 0917 0.3 1519 1.2 2117 0.0	08 QUI 0243 1.3 0834 0.3 1415 1.3 2039 0.1	24 SAB 0323 1.5 0949 0.5 1608 1.1 2200 -0.1
09 SEX 0234 1.3 0804 -0.1 1424 1.4 2043 0.4	25 DOM 0206 1.5 0845 0.0 1513 1.5 2041 0.1	09 DOM 0234 1.4 0813 -0.1 1413 1.4 2023 0.3	25 TER 0215 1.6 0856 0.1 1509 1.4 2054 0.0	09 QUA 0245 1.4 0854 0.2 1438 1.3 2045 0.1	25 SEX 0323 1.5 0945 0.4 1536 1.1 2206 0.0	09 SEX 0321 1.3 0908 0.3 1443 1.3 2117 0.1	25 DOM 0406 1.4 1013 0.6 1638 1.1 2253 0.0
10 SAB 0302 1.4 0841 -0.1 1447 1.4 2058 0.3	26 SEG 0239 1.5 0919 0.0 1532 1.4 2113 0.0	10 SEG 0253 1.5 0849 0.0 1441 1.4 2043 0.2	26 QUA 0254 1.6 0926 0.2 1524 1.3 2132 0.0	10 QUI 0315 1.4 0926 0.3 1500 1.3 2115 0.2	26 SAB 0408 1.4 1009 0.6 1543 1.0 2300 0.1	10 SAB 0356 1.3 0945 0.4 1509 1.3 2202 0.2	26 SEG 0447 1.4 1038 0.7 1739 1.0 2347 0.1
11 DOM 0330 1.4 0919 -0.1 1513 1.4 2115 0.3	27 TER 0313 1.5 0951 0.1 1551 1.3 2154 0.1	11 TER 0313 1.4 0921 0.1 1506 1.4 2104 0.2	27 QUI 0334 1.5 0954 0.3 1543 1.2 2213 0.1	11 SEX 0349 1.3 1000 0.4 1519 1.2 2153 0.2	27 DOM 0454 1.3 1032 0.7 1508 0.9	11 DOM 0438 1.2 1017 0.5 1543 1.2 2251 0.3	27 TER 0524 1.2 1056 0.7 1536 1.0 1741 0.9 1908 1.0
12 SEG 0343 1.4 0954 0.0 1543 1.4 2132 0.3	28 QUA 0353 1.5 1017 0.2 1608 1.2 2234 0.2	12 QUA 0328 1.4 0956 0.2 1528 1.3 2126 0.2	28 SEX 0413 1.4 1015 0.5 1551 1.0 2306 0.2	12 SAB 0428 1.2 1032 0.5 1543 1.2 2238 0.4	28 SEG 0004 0.2 0541 1.2 1049 0.8 1428 0.9 1811 0.8 2009 0.8	12 SEG 0523 1.2 1054 0.5 1615 1.1 2349 0.4	28 QUA 0041 0.2 0606 1.1 1054 0.8 1538 0.9 1806 0.9 2023 0.9
13 TER 0356 1.4 1028 0.1 1606 1.3 2151 0.3	29 QUI 0428 1.4 1039 0.4 1619 1.1 2321 0.3	13 QUI 0358 1.3 1026 0.3 1549 1.2 2154 0.3	29 SAB 0458 1.3 1034 0.6 1523 0.9	13 DOM 0517 1.1 1104 0.6 1602 1.1 2345 0.5	29 TER 0111 0.3 0636 1.1 1026 0.9 1408 1.0 1836 0.7 2132 0.9	13 TER 0613 1.1 1139 0.6 1700 1.0	29 QUI 0136 0.3 0653 1.0 1028 0.8 1549 0.9 1838 0.8 2134 1.0
14 QUA 0417 1.3 1104 0.3 1626 1.2 2206 0.4	30 SEX 0509 1.3 1058 0.5 1611 0.9	14 SEX 0430 1.2 1100 0.5 1600 1.1 2219 0.4	30 DOM 0013 0.3 0551 1.2 1049 0.8 1430 0.9 1858 0.7 2109 0.7	14 SEG 0628 1.0 1147 0.7 1626 1.0	30 QUA 0219 0.3 0745 1.0 0956 0.9 1321 1.0 1856 0.7 2234 1.0	14 QUA 0051 0.4 0721 1.0 1251 0.7 1808 0.9	30 SEX 0230 0.4 0745 0.9 1038 0.8 1341 0.9 1824 0.8 2239 1.0
15 QUI 0449 1.2 1139 0.4 1639 1.1 2223 0.4	31 SAB 0511 1.1 1128 0.6 1609 1.1 2251 0.5	15 SAB 0511 1.1 1128 0.6 1609 1.1 2251 0.5	31 SEG 0139 0.4 0654 1.0 1026 0.9 1406 1.0 1902 0.6 2234 0.8	15 TER 0121 0.5 0836 0.9 1347 0.8 1656 0.8 2115 0.8	31 SAB 0154 0.5 0906 1.0 1438 0.7 2006 0.9	15 QUI 0154 0.5 0906 1.0 1438 0.7 2006 0.9	31 SAB 0326 0.5 0904 0.8 1058 0.8 1315 0.8 1734 0.7
16 SEX 0524 1.1 1211 0.6 1645 1.0 2239 0.5	16 DOM 0619 0.9 1158 0.8 1617 1.0 2134 0.6 2309 0.6	16 DOM 0619 0.9 1158 0.8 1617 1.0 2134 0.6 2309 0.6		16 QUA 0253 0.5 1049 1.0 1700 0.7 2254 0.9		16 SEX 0300 0.5 1054 1.0 1558 0.6 2134 1.0	
				V		V	