## PORTO DE ITAGUAÍ (ESTADO DO RIO DE JANEIRO) - 2021

Latitude 22° 55'.9 S

Longitude 043° 50'.5 W

Fuso +03.0 horas

DHN Nível Médio 0.82 m 21 Componentes Carta 1623 Janeiro Fevereiro Marco Abril HORA ALT (m) 0.2 1.4 0.7 0.7 0108 0456 0847 1100 0.4 1.5 0.4 0.6 0023 0153 0554 0958 0.7 0.7 1.3 0.3 0424 0.3 1.5 0.5 0.8 0141 0.5 0408 0458 1.5 1.5 17 01 01 17 01 17 01 17 1206 0.5 0608 1.4 1158 0.3 0923 0.3 SEG QUA SEG QUI SAB SEX DOM **QUA** 1013 1836 0.4 1.4 1.6 0.4 1621 1.4 1613 1.7 1710 0.7 0.4 1.5 0.6 0.6 1321 1723 2100 2330 0.3 1.6 0.6 0.9 1311 1406 1834 2211 0.3 0.7 0.6 1.3 0.7 1315 1717 2245 0.5 0539 1.4 0051 0309 0.8 0.7 0017 0502 0.5 0.4 0.7 18 02 18 18 02 18 02 02 0.3 1.5 0654 1049 1358 1526 0953 0.5 1.4 0.5 0.5 0600 0958 1251 1438 0921 1126 1411 1804 0.7 0.8 0.5 1.5 0847 1000 1251 1658 0.6 0.6 0.3 1.7 0921 1200 1426 1811 0.3 0.7 0.4 1.5 0641 1026 1321 1534 1.1 0.4 0.7 0.6 1.2 0.8 1258 1700 1.4 0.5 0.8 0.7 1.5 0.4 TER 1.3 0.4 0.7 0.7 1.3 0.6 SAB SEG **OUI** TER **OUI** SEX DOM 1804 2213 0.5 1815 2239 2151 2358 0.6 1919 2306 2100 2241 0.6 1923 2243 0254 0638 0958 1223 0143 0400 0739 1115 1.0 0.7 1.0 0.6 0056 0251 0647 1036 0.8 0.6 1.2 0.5 0126 0519 0904 1111 0.3 1.4 0.5 0.7 0104 0413 0728 1058 0115 0543 0921 1051 0.3 1.4 0.8 0.9 0.6 0.5 1.3 0.5 0.4 1.3 0.6 0.9 0106 0209 0617 1017 0.7 0.7 1.3 0.3 0024 0317 0630 1004 1.1 0.6 1.3 0.3 03 19 03 19 03 19 19 03 DOM TER **QUA** SEX QUA SEX SEG SAB 0.5 1.3 0.5 0.6 0.8 0.7 1.4 0.5 0.8 0.4 1.3 0.6 0.8 0.5 1.1 0.9 1328 1524 1904 2308 1408 1628 2011 2339 0.8 0.6 1.2 0.8 1443 1856 2243 1341 1636 1356 1745 C 0115 0421 0721 1053 1341 1638 2006 2300 0158 0500 0215 0621 0119 0345 0.9 0117 0339 0121 0508 0.7 1.0 1.3 0.6 1.1 04 20 04 20 04 20 04 20 0721 1038 1311 1609 1953 2258 0702 1054 1358 1600 1949 2304 0.7 1.2 0.4 0.8 0.7 1.2 0.8 0.8 0.9 0.5 1.3 1.2 0.6 0.9 0.4 0826 1156 1426 1724 2119 1.0 0.6 0.8 0.6 0.4 0.8 0.4 1.5 0.6 1.2 0.4 0.9 0.3 0826 1113 1349 1723 1.0 0.7 0.9 0.4 0941 1149 0730 1108 1.3 0.6 0.8 0.7 QUI 0943 1211 QUA SAB QUI SAB DOM TER SEG 1358 1611 1958 2343 1453 1830 C1.3 1.3 1.2 C 0147 0436 0815 1153 1411 1700 2056 1.3 0.5 1.1 0.6 0.9 0.2 0009 0317 0706 1004 0143 0458 0809 1115 0000 0206 0600 0934 0143 0445 0756 1119 0202 0519 0821 1139 0139 0558 0947 1139 1.2 0.5 0.9 0.9 1.0 0.3 0.9 1.0 0.6 1.0 0045 0339 0656 1019 0.8 0.3 1.2 0.8 1.0 0.5 1.3 0.7 0.8 0.5 1.2 0.6 0.8 0.6 1.2 1.1 0.4 1.1 0.6 1.0 0.3 1.2 0.8 1.0 0.5 1.2 0.4 0.9 0.4 1.3 0.6 1.0 0.7 1.0 0.6 0.8 0.6 1.1 0.9 05 05 21 05 05 21 21 21 QUI DOM DOM TER SEX SEX SEG **QUA** 1224 1430 1817 0.8 0.8 0.5 1236 1549 1304 1554 1400 C 0100 0415 0015 0158 0154 0134 0443 0154 0543 0156 1.3 1.2 1.3 0.5 22 22 22 06 06 22 06 06 0656 0.5 1.0 0636 0.4 1.1 0.8 1.1 0.4 0523 0909 1238 1430 0.5 1.1 0.7 0.8 0909 1204 1447 1806 1.1 0.4 0.9 0.3 1.1 0.8 0.9 0.1 1.0 0.7 1.0 0.2 0.9 0.7 0.9 0.4 0749 1102 0858 1149 QUI **QUA** SEX SAB SEG SAB SEG TER 1123 1354 1.1 1853 0.2 1909 0.4 1751 2206 V 2013 2311 1.2 0.8 0.5 1.1 2024 2313 1.2 0.8 2236 0149 0509 0854 1130 0613 0215 0543 0849 1154 0038 0313 0151 1.3 0.5 1.1 0.6 1.2 0.5 1.0 1.2 1.4 0.3 0.5 0156 07 23 07 23 07 23 07 23 1019 1.0 0749 0630 0713 0.4 QUI 0.4 1.1 SAB DOM 0656 1023 TER DOM TER **QUA** SEX 1839 0.4 1304 1154 0.9 0706 1311 1.2 1.1 0.4 0.8 0.9 0.1 1.2 1.1 0.3 1.2 0.9 0.2 1.1 1309 1515 1958 0.3 1436 1754 1402 1.0 1100 12 1938 0.1 1843 0.3 1917 0.1 0008 0126 0202 0204 0000 1.1 0000 0300 0639 0958 1.3 1.2 0158 1.4 08 08 08 24 08 24 24 24 0.2 1.4 0709 0.5 0351 1.3 0834 0.4 1.3 0.4 1.1 0.8 0.9 0713 0.4 0758 0.4 0758 0.3 1.0 0.8 1.0 SEX DOM SEG **QUA** SEG **QUA** QUI SAB 1158 1 1 0754 0.3 1338 1.3 1338 1 1 1213 1 4 1324 0.0 1932 0.4 1149 12 2041 0.2 1924 0.2 2006 0.1 2026 0.2 1853 2304 0115 0045 1.3 0221 0056 1.1 0211 0056 0202 1.1 1.2 0.2 1.1 0.9 0.9 0.1 1.3 09 25 09 25 09 25 0808 0.4 0853 0.3 0911 0.3 0339 1.3 0756 0.3 0841 0.3 0847 0.1 SAB SEG TER QUI TER QUI SEX DOM 1.2 1300 1254 1.3 1408 0736 1328 1308 1.5 1354 1.4 0.4 1.3 1.6 1356 1511 1917 2356 0.3 0.0 2123 0.1 0.1 0.1 0.0 2023 2058 2008 2053 1947 0.0 0343 1.2 0215 0153 1.4 0136 1.5 0251 1.6 0026 1.3 0215 1.5 0138 1.5 1.5 10 26 10 26 10 26 10 26 0804 0.3 0900 0.4 0943 0.3 0951 0826 0834 0.3 0917 0.3 0938 0.1 0.3 0.3 DOM TER QUA SEX QUA SEX SAB **SEG** 1211 1.2 1345 1.3 1345 1.5 1443 1.5 1238 1.3 1354 1.4 1354 1.7 1421 1.7 2015 0.0 2108 0.2 2151 -0 1 2206 0.0 2038 0.0 2056 0.0 2132 0.1 2213 0.1 0224 0215 0315 0117 0230 0211 0243 0058 1.6 1.4 1.5 1.6 1.5 1.5 27 1.6 27 11 27 11 11 27 11 0904 0.3 0943 0.4 1023 0.3 1030 0.2 0911 0.3 0915 0.2 0953 0.3 1026 0.1 SEG QUA QUI SAB QUI SAB DOM TER 1306 14 1419 1.4 1426 17 1508 16 1328 16 1417 16 1432 18 1458 18 2147 0.2 2253 0.0 2145 0.0 2206 2306 0.2 & & Z 7 1.7 0.7 0.7 0.3 1.8 0.0 0149 1.6 0300 1.6 0343 1.6 0200 1.6 0253 1.5 0249 17 0309 1.5 12 28 12 28 12 28 12 28 1000 0.3 1115 1019 0.4 1109 0956 1000 0.2 0853 0800 1102 1508 2309 0.2 0.3 0.4 0.1 TER QUI DOM SEX DOM SEX SEG **QUA** 1358 1.5 1458 1.5 1543 1.7 1409 1.7 1449 1024 0.3 1.8 2204 0.0 2228 0.1 2342 0.1 2202 0.0 2234 0.0 1504 1932 0.7 0.3 2056 0.8 Z Z 2241 0230 0611 0724 1051 0336 0339 0743 0908 1143 0239 0309 0315 1.6 1.7 1.5 1.7 0.3 1.5 0.4 0.5 0.2 1.7 0.7 29 13 29 29 13 13 13 0.9 0.9 0.3 0.6 0.6 0.4 0353 0753 0939 1058 0.3 1032 0.3 1049 0.2 0802 0.3 QUA SEX SAB SAB SEG TER QUI 1530 1.5 1454 1.8 1515 1.7 0.1 1541 1.8 1206 1617 2000 2204 1443 2254 2309 0.1 2243 2045 0.3 0.1 2321 & & 0411 0823 1021 1213 1626 2115 0406 0341 0354 0311 0658 14 14 30 14 30 30 1141 0.4 1.5 1136 0.2 1.8 0830 0.3 1.7 0.3 0.5 0.2 1.6 0.6 1.0 0839 1134 1523 2054 0.8 0.4 1.7 0.4 0858 1100 1528 2313 0.5 0.4 1.8 0.2 0.6 0.5 1.8 0.3 0.3 OUI SAB DOM DOM TER **OUA** SEX 1602 1556 1615 0.7 0.1 0358 0743 0945 1211 0439 1.5 0.3 1.6 0.4 0.6 1.7 0.3 0430 16 0.2 1.5 0.5 0.5 0.3 1.7 0.6 15 15 31 15 15 0.6 0.8 0.5 1.7 0.3 0.4 0815 1008 1132 31 0411 0811 0954 0.4 0.4 0.4 0.4 1.8 0.3 0.3 0.2 1224 0900 SEX DOM SEG SEG **OUA** QUI 1639 1700 1224 1639 2024 2219 2124 0.5 0021 0439 0054 0419 0508 16 16 16 16 0528 1.5 0854 0.3 0923 0.3 0826 1049 1258 1653 2113 2300 0.6 0.8 0.6 1.7 SAB TER TER SEX 0947 1747 0.4 1643 1.7 1.5 1753 1.6 2132 0.3 2151 0.6 2219 0.4 0.3

## PORTO DE ITAGUAÍ (ESTADO DO RIO DE JANEIRO) - 2021 Longitude 043° 50'.5 W Fuso +03.0 horas

Latitude 22° 55'.9 S DHN

Carta 1623

Latitude 22° 55'.9 S DHN				Longitude 043 21 Componentes				8° 50'.5 W Fu Nível Médio 0.82 m				uso +03.0 horas Carta 1623				
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	0200 0.6 0519 1.4 0906 0.3 1145 0.6 1406 0.3 1800 1.5 2115 0.6	17 SEG	0000 0.9 0245 0.7 0613 1.2 1008 0.5 1249 0.7 1500 0.5 1904 1.2 2215 0.9	01 TER	0344 0.6 0651 1.3 1034 0.5 1258 0.7 1549 0.3 1926 1.3 2239 0.7	17 QUI	0021 1.0 0356 0.5 0730 1.2 1053 0.7 1253 0.8 1613 0.3 2013 1.1 2247 0.9	QUI	0109 0.9 0353 0.6 0715 1.4 1109 0.6 1315 0.7 1602 0.4 1951 1.3 2311 0.6	SAB	0056 1.0 0406 0.4 0754 1.3 1100 0.8 1315 1.0 1647 0.3 2021 1.1 2306 0.7	01 DOM	0208 0.8 0447 0.6 0830 1.2 1202 0.8 1358 0.8 1704 0.6 2051 1.1	17 TER	0513 0.0 0539 0.2 0924 1.2 1156 0.9 1447 1.3 1821 0.4 2149 1.0	
02 DOM	0006 1.2 0300 0.6 0609 1.3 0956 0.3 1234 0.7 1509 0.3 1856 1.3 2202 0.7	18 TER	0028 1.0 0347 0.6 0704 1.1 1041 0.6 1300 0.7 1600 0.4 2000 1.1 2236 1.0	QUA	0126 1.1 0424 0.6 0747 1.3 1119 0.6 1338 0.8 1643 0.3 2019 1.2 2323 0.8	SEX	0100 1.1 0443 0.4 0823 1.2 1113 0.8 1323 1.0 1704 0.3 2108 1.1 2311 0.9	02 SEX	0156 0.9 0439 0.6 0808 1.3 1200 0.7 1347 0.7 1654 0.4 2039 1.2	18 DOM	0143 1.0 0500 0.3 0851 1.2 1139 0.9 1402 1.1 1741 0.3 2113 1.0 2358 0.8	02 SEG	0015 0.7 0226 0.8 0528 0.5 0934 1.1 1254 0.9 1400 0.9 1756 0.5 2151 1.1	18 QUA	0034 0.8 0256 1.0 0636 0.1 1051 1.2 1247 1.1 1523 1.3 1919 0.3 2306 1.1	
03 SEG	0100 1.2 0400 0.6 0704 1.2 1041 0.4 1313 0.8 1609 0.3 1953 1.2 2249 0.7	QUA	0053 1.1 0436 0.5 0800 1.0 1102 0.7 1309 0.9 1653 0.3 2104 1.1 2249 1.0	03 QUI	0204 1.0 0511 0.5 0847 1.3 1213 0.7 1356 0.8 1726 0.3 2117 1.2	19 SAB	0145 1.1 0524 0.3 0923 1.2 1158 1.0 1400 1.1 1758 0.2 2211 1.0	03 SAB	0002 0.7 0215 0.8 0517 0.5 0906 1.2 1345 0.8 1738 0.4 2134 1.1	19 SEG	0219 1.0 0556 0.2 0956 1.2 1215 1.0 1449 1.2 1838 0.3 2221 1.0	03 TER	0613 0.5 1106 1.1 1847 0.5 2308 1.1	19 QUI	0202 0.9 0315 0.9 0732 0.0 1215 1.3 1411 1.2 1558 1.2 2015 0.3	
04 TER	0149 1.3 0458 0.6 0804 1.2 1126 0.6 1356 0.9 1706 0.2 2054 1.1 2332 0.8	20 QUI	0113 1.2 0515 0.4 0900 1.0 1126 0.9 1338 1.0 1736 0.2	04 SEX	0017 0.8 0232 0.9 0558 0.5 0953 1.2 1808 0.3 2223 1.2	20 DOM	0000 1.0 0215 1.1 0611 0.2 1038 1.2 1256 1.1 1438 1.2 1853 0.2 2324 1.1	04 DOM	0108 0.8 0219 0.8 0558 0.5 1015 1.2 1815 0.5 2239 1.1	20 TER	0058 0.9 0258 1.0 0651 0.1 1115 1.2 1317 1.1 1526 1.2 1936 0.3 2339 1.1	04 QUA	0706 0.4 1247 1.2 1943 0.5	20 SEX	0021 1.2 0828 -0.1 1309 1.4 2109 0.3	
05 QUA	0223 1.2 0551 0.5 0908 1.2 1223 0.8 1415 0.9 1800 0.2 2200 1.1	21 SEX	0149 1.3 0558 0.3 1015 1.1 1202 1.0 1358 1.1 1819 0.2	05 SAB	0639 0.4 1104 1.3 1853 0.3 2334 1.2	21 SEG	0113 1.0 0239 1.0 0704 0.2 1158 1.3 1951 0.2	05 SEG	0639 0.4 1143 1.2 1902 0.5 2353 1.2	21 QUA	0749 0.1 1232 1.3 2038 0.3	05 QUI	0030 1.2 0800 0.3 1332 1.4 2039 0.4	21 SAB	0115 1.5 0921 -0.1 1356 1.6 2200 0.3	
06 QUI	0024 1.0 0253 1.1 0638 0.4 1024 1.2 1849 0.2 2315 1.2	22 SAB	0209 1.3 0643 0.3 1154 1.2 1908 0.1	06 DOM	0711 0.4 1215 1.4 1932 0.4	22 TER	0023 1.2 0800 0.1 1256 1.4 2053 0.2	06 TER	0724 0.4 1251 1.3 1956 0.5	22 QUI	0043 1.2 0849 0.0 1323 1.5 2136 0.3	06 SEX	0119 1.3 0853 0.3 1406 1.5 2126 0.4	22 DOM	0204 1.6 1008 -0.1 1438 1.7 2247 0.3	
07 SEX	0717 0.4 1147 1.3 1932 0.2	23 DOM	0130 1.2 0726 0.2 1247 1.4 2004 0.1	07 SEG	0032 1.3 0753 0.4 1306 1.5 2019 0.4	23 QUA	0106 1.3 0900 0.0 1341 1.6 2151 0.2	07 QUA	0051 1.3 0819 0.3 1336 1.4 2056 0.5	23 SEX	0132 1.4 0943 -0.1 1408 1.6 1843 1.0 2224 0.3	07 SAB	0202 1.4 0936 0.2 1443 1.6 2202 0.4	23 SEG	0251 1.8 1054 0.0 1513 1.7 1909 0.6 2049 0.7 2323 0.4	
08 SAB	0017 1.3 0758 0.4 1247 1.5 2009 0.2	24 SEG	0117 1.3 0819 0.1 1321 1.5 2102 0.1	08 TER	0113 1.4 0839 0.3 1351 1.6 2109 0.4	QUI	0153 1.4 0958 0.0 1421 1.7 1806 0.9 1902 1.0 2247 0.3	08 QUI	0134 1.4 0913 0.3 1411 1.5 2149 0.5	24 SAB	0215 1.6 1034 -0.1 1454 1.7 1824 0.9 1958 0.9 2309 0.3	08 DOM	0241 1.5 1011 0.2 1515 1.6 2239 0.4	24 TER	0330 1.8 0851 0.4 1138 0.1 1556 1.7 1958 0.5 2156 0.6	
09 DOM	0104 1.4 0836 0.3 1332 1.6 2053 0.3	25 TER	0143 1.4 0913 0.1 1400 1.6 2200 0.2	09 QUA	0154 1.5 0719 0.4 0928 0.3 1424 1.6 2200 0.4	25 SEX	0234 1.5 1053 0.0 1506 1.7 1841 0.9 2019 1.0 2336 0.4	09 SEX	0211 1.4 0956 0.3 1454 1.6 2232 0.4	25 DOM	0302 1.7 1117 0.0 1538 1.7 1909 0.7 2102 0.9 2358 0.4	09 SEG	0313 1.5 1053 0.1 1554 1.6 2315 0.4	25 QUA	0000 0.4 0408 1.8 0847 0.3 1002 0.4 1213 0.2 1634 1.6 2043 0.4 2302 0.6	
10 SEG	0147 1.5 0911 0.3 1408 1.7 2138 0.3	26 QUA	0209 1.4 1008 0.1 1439 1.7 2258 0.2	10 QUI	0228 1.5 0730 0.3 0900 0.4 1008 0.3 1502 1.6 2247 0.5	26 SAB	0315 1.6 0717 0.4 0851 0.4 1143 0.0 1554 1.7 1917 0.8 2124 1.0	10 SAB	0256 1.5 1038 0.3 1532 1.6 2308 0.5	26 SEG	0351 1.7 0804 0.4 0909 0.4 1204 0.0 1617 1.6 2000 0.6 2204 0.8	10 TER	0353 1.6 1138 0.2 1623 1.5	26 QUI	0043 0.5 0453 1.7 0923 0.3 1113 0.4 1256 0.4 1708 1.5 2121 0.3	
TER	0215 1.6 0717 0.3 1445 1.7 2215 0.4	27 QUI	0253 1.5 0704 0.5 0758 0.5 1102 0.1 1517 1.7 1900 0.8 2047 0.9 2353 0.4	11 SEX	0306 1.5 0800 0.3 1041 0.3 1545 1.6 2328 0.5	27 DOM	0021 0.4 0402 1.6 0802 0.3 0953 0.5 1232 0.1 1641 1.6 2004 0.7 2226 1.0	11 DOM	0334 1.5 1113 0.3 1609 1.6 2351 0.5	27 TER	0043 0.5 0432 1.7 0853 0.3 1017 0.4 1254 0.2 1700 1.6 2053 0.5 2308 0.8	11 QUA	0000 0.4 0423 1.5 1224 0.2 1658 1.4	27 SEX	0011 0.6 0121 0.6 0532 1.6 1000 0.4 1347 0.5 1753 1.4 2200 0.3	
12 QUA	0254 1.6 0741 0.3 1517 1.7 2149 0.5 2249 0.4	28 SEX	0334 1.5 0728 0.4 0908 0.5 1156 0.1 1604 1.7 1938 0.7 2153 1.0	12 SAB	0351 1.5 0823 0.3 1006 0.4 1126 0.4 1624 1.6	28 SEG	0109 0.5 0453 1.6 0854 0.3 1053 0.5 1321 0.2 1723 1.5 2058 0.6 2326 1.0	12 SEG	0409 1.5 1158 0.3 1653 1.5	28 QUA	0124 0.6 0513 1.6 0936 0.4 1124 0.5 1343 0.3 1745 1.5 2138 0.5	12 QUI	0051 0.4 0502 1.5 1319 0.3 1732 1.4 2119 0.7 2258 0.7	28 SAB	0109 0.7 0208 0.7 0613 1.5 1026 0.5 1306 0.7 1445 0.6 1836 1.3 2230 0.4	
13 QUI	0326 1.6 0808 0.3 1558 1.7 2045 0.5 2211 0.5 2330 0.5	29 SAB	0047 0.5 0415 1.5 0808 0.3 1011 0.5 1253 0.2 1656 1.6 2015 0.7 2254 1.0	13 DOM	0011 0.5 0428 1.4 0854 0.4 1053 0.4 1217 0.4 1708 1.5 2119 0.7 2215 0.7	29 TER	0202 0.6 0539 1.5 0943 0.4 1151 0.6 1415 0.2 1809 1.4 2147 0.6	13 TER	0036 0.5 0451 1.4 1253 0.3 1728 1.4	29 QUI	0009 0.8 0211 0.6 0600 1.6 1015 0.4 1224 0.6 1436 0.4 1824 1.4 2215 0.5	13 SEX	0145 0.5 0547 1.5 0941 0.6 1126 0.7 1421 0.4 1809 1.3 2145 0.6 2358 0.8	29 DOM	0151 0.7 0309 0.7 0702 1.3 1056 0.6 1334 0.8 1549 0.7 1917 1.2 2302 0.5	
14 SEX	0404 1.5 0834 0.3 1643 1.6 2104 0.6 2300 0.6	30 DOM	0141 0.6 0504 1.5 0858 0.3 1109 0.6 1351 0.2 1747 1.5 2102 0.6 2353 1.1	14 SEG	0104 0.6 0508 1.3 0924 0.4 1113 0.5 1319 0.4 1756 1.4 2149 0.8 2304 0.8	30 QUA	0021 0.9 0258 0.6 0626 1.5 1026 0.5 1241 0.6 1509 0.3 1900 1.3 2230 0.6	14 QUA	0124 0.5 0528 1.4 0956 0.5 1058 0.6 1351 0.3 1806 1.3 2153 0.8 2308 0.8	30 SEX	0104 0.8 0304 0.6 0651 1.5 1058 0.5 1308 0.7 1524 0.5 1908 1.3 2258 0.5	14 SAB	0245 0.5 0634 1.4 1002 0.7 1221 0.9 1524 0.4 1858 1.2 2211 0.6	30 SEG	0202 0.8 0409 0.6 0758 1.2 1117 0.7 1353 0.9 1647 0.6 2006 1.1 2341 0.6	
15 SAB	0026 0.6 0451 1.4 0904 0.3 1724 1.5 2124 0.6 2326 0.7	31 SEG	0238 0.6 0558 1.4 0949 0.3 1206 0.7 1451 0.2 1838 1.4 2154 0.7	15 TER	0204 0.6 0556 1.3 1000 0.5 1156 0.6 1423 0.4 1843 1.3 2204 0.9 2351 0.9			15 QUI	0217 0.5 0609 1.4 1006 0.6 1151 0.7 1453 0.4 1853 1.2 2202 0.8	31 SAB	0153 0.8 0358 0.6 0739 1.3 1124 0.6 1345 0.7 1615 0.6 1958 1.2 2337 0.6	DOM	0053 0.9 0347 0.4 0723 1.3 1038 0.7 1309 1.1 1624 0.4 1951 1.1 2256 0.6	31 TER	0213 0.8 0504 0.6 0858 1.1 1154 0.9 1402 1.0 1739 0.6 2106 1.0	
16 DOM	0136 0.7 0532 1.3 0938 0.4 1219 0.5 1811 1.3 2158 0.7			16 QUA	0300 0.6 0643 1.2 1023 0.6 1215 0.7 1521 0.4 1924 1.2 2215 0.9			16 SEX	0004 0.9 0313 0.5 0700 1.3 1024 0.8 1551 0.3 1936 1.2 2234 0.8			16 SEG	0138 0.9 0443 0.3 0819 1.2 1109 0.8 1400 1.2 1723 0.4 2043 1.0 2341 0.6			

## PORTO DE ITAGUAÍ (ESTADO DO RIO DE JANEIRO) - 2021

Latitude 22° 55'.9 S

Longitude 043° 50'.5 W

Fuso +03.0 horas

DHN Nível Médio 0.82 m 21 Componentes Carta 1623 Setembro Outubro Novembro Dezembro HORA ALT (m) 0.7 0.8 0.5 1.1 0.9 0.9 0.0 1.2 0002 0745 0049 0108 0041 0136 0.9 0.0 1.2 1.3 01 17 01 17 01 17 01 17 0154 0.9 1224 1.4 0713 0.1 0838 0.3 0739 0.1 0854 0.4 QUA **OUA** SEX SEX DOM SEG SEX **OUA** 0.3 1.3 1341 1.4 0.2 1317 1951 1339 2111 0623 2013 0.3 1323 1.2 1.0 1345 1854 0.5 0651 0.4 0004 1.3 0047 1.1 0045 1.5 0111 1.4 0115 1.5 0153 0917 1.7 0.3 18 02 18 02 18 02 18 02 1.2 0.5 0.2 1.4 0.0 1.5 0.1 1.4 0836 1334 0.2 1.3 1330 0806 -0.1 0706 0828 0800 1400 1906 2000 2134 1.6 0.3 0.3 0.3 1411 1921 2008 2156 1.5 0.3 0.3 0.3 OUI SAB SAB SEG TER **OUI OUI** SAB 1.4 1347 1309 1349 0.3 0.1 2049 1932 0.3 2056 0.3 2011 0.2 2045 0251 1030 1454 1951 1.3 0.1 1.5 0.1 1.6 0.2 1.6 0.5 1.6 0.3 0026 1.1 0.3 19 0102 1.5 -0.1 0108 19 0130 0143 19 0226 1.7 0.4 0149 03 03 03 03 19 0739 0858 0747 0909 0.1 0853 0956 0934 DOM DOM TER SEX DOM SEX **QUA** SEX 1.4 0.4 1.4 1.4 0.0 1341 1338 1.5 0.3 1354 1.5 1353 1.6 0.3 1404 1436 1.6 0.3 1358 2109 2236 0.3 2009 2134 2008 0.3 2136 2102 0.1 1919 2141 0.3 2149 Z Z 0113 1.3 0151 0134 0208 0221 1.7 1.4 0209 0951 1.6 0302 0758 0324 1106 1.6 0.5 1.8 04 20 04 20 04 20 04 20 0823 1402 0.2 1.5 0945 1413 0828 1409 0.1 1.5 1028 1430 0.0 0947 0.1 1.5 0.2 1.5 1426 1908 2006 2206 1.5 0.3 0.3 0.3 0911 1039 0.5 0.4 1.6 0.2 1530 2019 SEG SAB SEG QUA QUI SAB SAB SEG 1426 1.7 1508 1954 2051 0.3 2209 2047 0.2 2154 2236 0.0 0.3 0.1 & & 7 7 0230 1023 1454 1911 2021 2249 0300 0656 0758 1121 1.6 0.0 1.6 0.5 0153 1.8 0.1 1.7 0.5 0.5 0.3 0204 0251 0241 0341 1.7 0.9 0.9 0.3 0404 05 05 05 21 05 21 21 21 0902 0.1 1028 0.3 1041 0.2 0821 0.5 1149 0913 DOM TER TER QUI SEX DOM DOM **TER** 1608 2045 1.5 0.3 1428 1.5 1500 1.7 0.3 1456 1549 1.6 0.2 0.3 1.5 0.4 0.4 0.1 1508 1915 2124 0.3 2128 0.2 1934 2249 2021 2347 2238 0.4 0.4 0223 1.5 0234 1.7 0321 1.8 0419 1.6 0345 0711 0453 0911 0308 1100 1.7 0.8 1.0 0.4 1.5 0.3 0.5 1.5 0.7 22 22 22 22 06 06 06 06 1002 1458 0.5 0.6 0943 0811 0847 1.7 0.3 0.5 0.4 1.5 0.4 0.4 0.2 1526 1951 2154 2319 0.7 0.6 1.4 0.4 0.4 1526 1939 1006 1238 SEG **QUA** QUA SEX SAB SEG SEG **QUA** 1054 1153 1500 1.6 1.5 0.4 1654 2113 2309 2202 0.3 2213 0.2 1534 1.6 1626 & & 2006 0.2 2053 0.3 0021 0428 0756 1011 1306 1641 0047 0536 0938 1102 1334 1738 0349 0830 1000 1139 0400 0839 0358 0743 0938 1230 1606 2002 0258 0302 0.1 1.6 0.7 1.0 0.5 1.5 0.3 0.5 0.4 1.4 0.7 0.7 0.6 1.3 0.4 0.5 07 07 23 1.8 0.3 0.4 0.3 1.7 0.3 23 07 23 0.7 0.9 0.4 0.6 0.7 0.7 1.4 0.3 0909 1126 1302 1024 0.1 1054 0.1 0.4 TER QUI SAB DOM TER TER QUI QUI 1521 1.5 1608 1526 1.6 1.6 1.5 0.3 0.5 0.3 0.2 2041 0.2 1708 2119 2153 2356 0117 0515 0841 1113 1404 1730 0153 0617 1004 1151 1434 1819 0421 0441 0326 1.7 0336 1149 1554 2009 2106 2356 1.6 0.6 0.5 1.4 0.7 0.8 0.7 0.2 1.5 0.7 1.1 0.6 1.4 0.4 1.3 0.8 0.8 0.6 1.3 0039 0445 08 24 08 1.7 0.3 1.5 0.5 0.5 08 24 24 08 24 1109 0.1 0904 0.3 0906 0.4 SEX **QUA** SEX SEX DOM SEG **OUA QUA** 1556 1.5 1639 1.6 1651 1.5 2328 0.3 2102 0.2 2108 0.2 2045 2306 1.2 0.4 2113 2343 0.3 2219 0.3 1.5 0.7 1.1 0039 0238 0647 1008 0215 0608 0923 1209 0.2 1.4 0.6 1.1 0400 0502 0521 0.6 0.5 1.3 0.8 0.9 0.7 1.1 0.5 0.6 0.4 1.2 0.8 0.9 0.6 1.2 0.7 25 09 25 09 0.7 0.7 0.4 1.4 0.4 1200 0.2 0932 0.4 0928 0.5 SEG TER QUI QUI QUI SAB SAB SAB 1.5 1.5 1715 1734 1621 1.3 0.6 1.3 0.3 1223 1517 1851 2230 1502 1821 2204 0.6 1.4 0.4 0.3 1630 0.3 1213 2139 1528 1906 2249 2023 0549 0958 1302 1358 1800 2202 0147 0609 0958 1243 1454 1817 0047 0356 0754 1043 1253 1615 0.3 1.6 0.6 0.6 0.3 1.4 0.7 0.5 1.2 0.9 1.0 0.6 0.7 0.2 1.3 0.6 1.1 0.6 10 26 10 26 10 26 10 26 0.6 0.8 0.7 1.2 1.4 0.7 1.3 0.6 1.1 0.9 1.0 0.5 SEX DOM DOM TER QUA SEX SEX DOM 2054 2253 0.5 2100 2334 0.3 0.4 1843 2208 1.3 0.4 1943 2300 1.1 0.7  $\mathbf{C}$ 1915 2256 1.3 0.5 2000 2304 1.2 0.8 0158 0553 0908 1158 0106 0434 0839 1051 0.9 0.3 1.0 0.9 0.4 1.5 0.6 1.1 0109 0309 0704 1023 1300 1558 1909 2249 0.7 0.6 1.2 0.8 1.3 0.6 0.8 0.7 11 11 27 11 27 11 27 SAB SEG SEG **OUA** OUI SAB SAB SEG 1400 1743 2115 2353 0.5 1.3 0.4 0.7 1454 1802 2141 0.6 1.3 0.3 1.0 0.7 1.1 0.5 1315 1630 1941 2300 1302 1700 2041 2319 1353 1654 2011 2347 1321 1702 2058 2338 1.1 0.4 1.1 0.9 1.1 0.5 1.3 0.7 1849 2236 V C 0145 0347 0728 1053 1326 1621 0.7 0.7 1.2 0.7 0.9 0.7 0147 0538 0945 1134 1358 1753 0213 0606 0938 0021 0302 0647 0954 1251 1558 0128 0413 0804 1053 1313 1654 2008 2309 0.4 1.5 0.6 1.0 0.5 1.2 0.8 0.5 1.1 0.9 1.1 0.6 1.0 0.7 0134 0447 0.9 0.2 0.9 0.3 1.0 1.2 0.4 1.1 0154 0506 0.8 0.3 1.1 0.3 1.0 0.9 1.1 0.3 1.1 12 28 12 28 12 28 12 28 0821 1102 1400 1721 1.2 0.8 1.3 0.5 1.2 0.7 0853 1154 1423 1743 1.2 0.8 1.0 0.5 1.2 1.3 0.7 1.3 0.6 1.2 0.4 DOM TER TER QUI SEX DOM 1053 DOM TER 1326 1741 2153 1.1 2045 2354 0143 0506 0923 1056 0043 0321 0702 1008 0158 0449 0832 1109 0106 0404 0745 1034 0204 0539 0926 1158 0004 0215 0624 1104 0.8 0.4 1.4 0.7 0.8 0.4 1.1 1.0 0141 0.8 0.6 1.1 0.9 1.0 0.6 1.0 13 29 29 13 29 13 29 13 0.3 1.2 0.7 0.1 1.1 0.9 0204 0558 0954 0.9 0.3 1.2 1.2 0.3 1.0 0602 0.2 QUA QUA SEG QUA SEX SAB SEG SEG 1353 1.2 0.3 1300 1445 1823 2230 1439 1.2 0.4 1.2 1817 C C 0123 0423 0153 0504 0.9 0.2 0141 0.9 0141 0643 0.3 0100 1.2 0.9 0.4 1.0 1.0 1.1 0.5 30 14 30 30 14 0554 0.3 1.3 0.9 0.1 1.2 1.0 1.0 0.3 1.3 0649 0.2 1.2 1100 1.2 0243 1.2 1006 1102 1353 1806 0800 1054 1353 1709 0849 1109 1413 1751 0624 1041 1313 1453 1.2 0.8 1.3 0.5 1.1 0.5 OUI 1.1 0.8 1.4 0.4 1.1 TER **OUI** SAB DOM TER TER OUI 1349 0.4 0.2 1338 1902 0721 1934 0.1 0204 0521 0904 1132 1.0 0.2 1.1 0.9 1.4 0.4 1.0 0134 0709 0.2 0723 0.4 0053 15 15 31 15 15 31 0223 0600 1000 1.0 0.1 1.1 1.0 1.3 0.4 1.2 1.3 1.3 0634 0.2 1204 0819 0.2 1151 SEX QUA DOM SEG **OUA** SEX 1258 1347 1941 0.3 1945 0.3 1854 0.3 2030 0.0 0009 0245 0017 0051 16 16 16 16 0756 0.2 0804 0.4 0617 1023 1211 1508 0.0 1.2 1.1 1.2 0.1 1.1 1.0 1.3 QUI SAB TER OUI 1243 1.4 1258 1.4 2017 0.3 2026 0.3 1902 2247 0.3 1928 2343