

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 SAB 0000 1.6 0417 2.0 1151 0.1 1921 2.2	17 SEG 0102 1.5 0545 2.0 1304 0.2 2026 2.1	01 TER 0054 1.4 0609 2.2 1323 0.0 2021 2.1	17 QUI 0145 1.2 0715 2.2 1402 0.3 2038 2.0	01 TER 0011 1.4 0530 2.1 1238 0.3 1932 2.0	17 QUI 0056 1.1 0638 2.1 1313 0.4 1939 2.0	01 SEX 0058 0.7 0713 2.3 1326 0.7 1921 2.1	17 DOM 0108 0.4 0745 2.4 1347 0.9 1909 2.0
	Z	&				&	
02 DOM 0021 1.6 0508 2.1 1238 -0.1 2002 2.2	18 TER 0130 1.5 0626 2.0 1339 0.2 2051 2.1	02 QUA 0128 1.3 0702 2.3 1402 0.1 2045 2.1	18 SEX 0206 1.0 0754 2.2 1432 0.4 2053 2.0	02 QUA 0047 1.2 0626 2.2 1315 0.3 1951 2.0	18 SEX 0113 0.9 0715 2.3 1345 0.5 1951 2.0	02 SAB 0126 0.5 0753 2.3 1354 0.8 1939 2.1	18 SEG 0139 0.2 0823 2.4 1409 1.1 1930 2.1
				&	Z		
03 SEG 0058 1.5 0600 2.2 1323 -0.1 2036 2.1	19 QUA 0158 1.4 0706 2.1 1411 0.2 2109 2.1	03 QUI 0202 1.1 0751 2.3 1439 0.2 2106 2.0	19 SAB 0232 0.9 0830 2.3 1500 0.5 2106 2.0	03 QUI 0117 1.0 0713 2.3 1351 0.3 2006 2.1	19 SAB 0139 0.7 0753 2.4 1411 0.6 2002 2.0	03 DOM 0158 0.3 0824 2.3 1417 0.9 1956 2.2	19 TER 0211 0.0 0902 2.3 1436 1.2 1953 2.2
04 TER 0132 1.4 0649 2.3 1406 -0.1 2108 2.1	20 QUI 0224 1.3 0745 2.1 1445 0.3 2130 2.0	04 SEX 0239 0.9 0834 2.3 1509 0.4 2126 2.0	20 DOM 0300 0.7 0909 2.2 1528 0.7 2121 2.0	04 SEX 0151 0.8 0756 2.3 1419 0.5 2024 2.1	20 DOM 0204 0.5 0828 2.4 1439 0.7 2017 2.1	04 SEG 0226 0.3 0858 2.2 1439 1.0 2013 2.2	20 QUA 0251 0.0 0947 2.1 1458 1.3 2017 2.3
05 QUA 0206 1.3 0738 2.3 1449 0.1 2138 2.0	21 SEX 0254 1.2 0823 2.1 1515 0.4 2151 2.0	05 SAB 0313 0.8 0915 2.2 1541 0.6 2149 2.0	21 SEG 0332 0.6 0953 2.1 1554 0.9 2139 2.0	05 SAB 0219 0.6 0834 2.3 1447 0.6 2043 2.1	21 SEG 0236 0.3 0906 2.3 1502 0.9 2034 2.1	05 TER 0256 0.3 0930 2.1 1458 1.1 2032 2.2	21 QUI 0332 0.1 1032 2.0 1517 1.4 2049 2.3
06 QUI 0247 1.2 0824 2.3 1526 0.3 2206 2.0	22 SAB 0323 1.1 0904 2.1 1549 0.6 2209 1.9	06 DOM 0354 0.7 0958 2.0 1606 0.8 2208 2.0	22 TER 0408 0.5 1038 2.0 1615 1.1 2158 2.0	06 DOM 0253 0.5 0908 2.2 1509 0.8 2100 2.1	22 TER 0308 0.2 0947 2.2 1523 1.1 2054 2.2	06 QUA 0326 0.3 1004 1.9 1513 1.3 2051 2.1	22 SEX 0419 0.2 1132 1.8 1538 1.5 2121 2.2
07 SEX 0328 1.1 0913 2.2 1604 0.5 2234 1.9	23 DOM 0358 1.0 0951 2.0 1619 0.8 2230 1.9	07 SEG 0432 0.7 1043 1.9 1630 1.0 2228 2.0	23 QUA 0454 0.5 1138 1.8 1636 1.3 2219 2.0	07 SEG 0324 0.5 0945 2.1 1532 1.0 2117 2.1	23 QUA 0347 0.2 1032 2.0 1543 1.3 2115 2.2	07 QUI 0358 0.4 1045 1.8 1526 1.4 2106 2.1	23 SAB 0517 0.5 1311 1.6 1549 1.6 2204 2.0
			V				V
08 SAB 0415 1.0 1004 2.0 1641 0.7 2302 1.9	24 SEG 0439 0.9 1043 1.9 1653 1.0 2253 1.9	08 TER 0517 0.7 1138 1.7 1649 1.2 2249 2.0	24 QUI 0553 0.6 1315 1.6 1628 1.5 2247 2.0	08 TER 0358 0.5 1021 1.9 1549 1.1 2136 2.1	24 QUI 0430 0.3 1130 1.8 1554 1.5 2141 2.2	08 SEX 0434 0.6 1145 1.6 1523 1.5 2117 2.0	24 DOM 0643 0.7 2326 1.8
		C					
09 DOM 0508 1.0 1104 1.8 1717 1.0 2332 1.8	25 TER 0528 0.8 1153 1.8 1728 1.2 2315 1.9	09 QUA 0611 0.8 1304 1.5 1645 1.4 2306 1.9	25 SEX 0717 0.6 2319 1.9	09 QUA 0432 0.6 1104 1.7 1600 1.3 2153 2.0	25 SEX 0526 0.4 1315 1.6 1530 1.6 2209 2.1	09 SAB 0523 0.7 2111 1.8	25 SEG 0841 0.8 1654 1.7 2147 1.4
	V				V		C
10 SEG 0611 1.0 1221 1.6 1756 1.2	26 QUA 0636 0.8 1345 1.6 1809 1.5 2351 1.9	10 QUI 0730 0.8 2323 1.8	26 SAB 0913 0.6 1911 1.9 2224 1.8	10 QUI 0513 0.7 1206 1.6 1545 1.4 2202 2.0	26 SAB 0653 0.6 2249 1.9	10 DOM 0656 0.9 1847 1.8	26 TER 0300 1.7 1013 0.8 1709 1.7 2247 1.2
				C			
11 TER 0004 1.8 0730 0.9 1438 1.5 1853 1.4	27 QUI 0800 0.7 1706 1.7 1951 1.7	11 SEX 0917 0.8 1941 1.8	27 DOM 0117 1.8 1049 0.5 1902 1.9 2339 1.6	11 SEX 0611 0.8 2200 1.9	27 DOM 0904 0.7 1830 1.8 2239 1.7	11 SEG 0924 0.9 1808 1.8	27 QUA 0447 1.9 1111 0.8 1732 1.8 2324 0.9
12 QUA 0047 1.8 0854 0.8 1717 1.6 2041 1.6	28 SEX 0041 1.9 0934 0.5 1828 1.9 2221 1.8	12 SAB 1043 0.6 1921 1.9	28 SEG 0406 1.9 1151 0.3 1915 2.0	12 SAB 0806 0.8 1951 1.8	28 SEG 0204 1.7 1043 0.6 1821 1.8 2321 1.4	12 TER 0011 1.5 0321 1.5 1047 0.8 1809 1.9 2347 1.3	28 QUI 0547 2.0 1156 0.9 1753 1.9
13 QUI 0145 1.8 1006 0.7 1824 1.8 2238 1.6	29 SAB 0209 1.9 1051 0.3 1902 2.0 2336 1.7	13 DOM 0032 1.7 0313 1.7 1139 0.5 1934 2.0		13 DOM 1013 0.8 1902 1.9	29 TER 0438 1.9 1141 0.6 1832 1.9 2356 1.2	13 QUA 0500 1.7 1136 0.7 1819 1.9 2358 1.1	29 SEX 0000 0.6 0632 2.1 1228 0.9 1809 2.0
14 SEX 0254 1.8 1102 0.5 1902 1.9 2345 1.6	30 DOM 0353 2.0 1151 0.2 1932 2.1	14 SEG 0047 1.6 0454 1.8 1221 0.4 1951 2.1		14 SEG 0115 1.6 0302 1.6 1121 0.6 1906 2.0	30 QUA 0547 2.1 1223 0.5 1849 1.9	14 QUI 0549 2.0 1213 0.7 1832 1.9	30 SAB 0032 0.4 0709 2.2 1258 1.0 1832 2.1
15 SAB 0402 1.8 1149 0.4 1934 2.0	31 SEG 0017 1.6 0508 2.1 1239 0.1 1958 2.1	15 TER 0102 1.4 0553 1.9 1258 0.3 2006 2.1		15 TER 0032 1.4 0506 1.7 1204 0.5 1913 2.0	31 QUI 0026 0.9 0634 2.2 1258 0.6 1904 2.0	15 SEX 0015 0.9 0628 2.2 1249 0.7 1843 1.9	
16 DOM 0028 1.6 0456 1.9 1228 0.3 2002 2.1		16 QUA 0121 1.3 0638 2.0 1332 0.3 2021 2.1		16 QUA 0039 1.3 0558 1.9 1243 0.4 1926 2.0		16 SAB 0041 0.6 0706 2.3 1317 0.8 1856 2.0	
		Z				Z	

FUNDEADOURO DA ESTAÇÃO ANTÁRTICA COMANDANTE FERRAZ - 2022

Latitude 62° 05'.1 S

Longitude 058° 23'.7 W

Fuso +03.0 horas

CHM

16 Componentes

Nível Médio 1.40 m

Carta 25121

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 DOM	0102 0.3 0745 2.2 1324 1.1 1853 2.1	17 TER	0117 0.0 0821 2.3 1347 1.3 1851 2.2	01 QUA	0145 0.2 0851 2.0 1354 1.4 1902 2.1	17 SEX	0238 -0.1 0945 2.0 1434 1.4 2000 2.3	01 SEX	0208 0.2 0919 2.0 1423 1.4 1928 2.0	17 DOM	0313 0.2 0951 2.0 1511 1.1 2104 2.2	01 SEG	0304 0.4 0934 2.0 1513 1.0 2058 2.1	17 QUA	0354 0.8 0949 2.0 1615 0.6 2236 1.9
02 SEG	0134 0.2 0817 2.2 1349 1.2 1911 2.2	18 QUA	0158 -0.1 0904 2.2 1409 1.4 1923 2.3	02 QUI	0217 0.2 0924 2.0 1423 1.4 1932 2.1	18 SAB	0323 0.1 1021 1.9 1515 1.3 2053 2.2	02 SAB	0243 0.3 0949 2.0 1458 1.4 2006 2.0	18 SEG	0354 0.5 1013 1.9 1558 1.0 2158 2.1	02 TER	0334 0.6 0953 2.0 1547 0.9 2141 2.0	18 QUI	0417 1.1 1008 2.0 1700 0.6 2326 1.7
03 TER	0202 0.2 0851 2.1 1409 1.2 1934 2.2	19 QUI	0241 -0.1 0949 2.1 1439 1.5 2000 2.3	03 SEX	0251 0.3 1000 1.9 1454 1.5 2000 2.0	19 DOM	0408 0.3 1058 1.8 1606 1.3 2151 2.1	03 DOM	0315 0.4 1013 1.9 1534 1.3 2049 2.0	19 TER	0430 0.7 1043 1.9 1649 0.9 2256 1.9	03 QUA	0404 0.8 1011 1.9 1623 0.9 2228 1.9	19 SEX	0438 1.3 1030 2.0 1753 0.7
04 QUA	0232 0.2 0923 2.0 1434 1.3 1954 2.1	20 SEX	0324 0.0 1036 1.9 1509 1.5 2041 2.2	04 SAB	0324 0.4 1038 1.9 1530 1.5 2034 1.9	20 SEG	0458 0.6 1138 1.8 1709 1.2 2258 1.9	04 SEG	0353 0.5 1043 1.9 1613 1.3 2136 1.9	20 QUA	0506 1.0 1108 1.9 1747 0.8	04 QUI	0436 1.0 1032 1.9 1706 0.8 2328 1.8	20 SAB	0047 1.6 0443 1.4 1053 1.9 1904 0.7
05 QUI	0302 0.3 1000 1.9 1456 1.4 2015 2.1	21 SAB	0413 0.3 1126 1.8 1553 1.5 2128 2.1	05 DOM	0402 0.5 1121 1.8 1615 1.5 2111 1.8	21 TER	0551 0.9 1217 1.8 1826 1.1	05 TER	0430 0.7 1109 1.8 1700 1.2 2232 1.8	21 QUI	0004 1.7 0543 1.2 1139 1.9 1853 0.8	05 SEX	0504 1.2 1054 1.9 1802 0.7	21 DOM	1109 1.9 2043 0.7
06 SEX	0336 0.4 1041 1.8 1515 1.5 2038 2.0	22 DOM	0511 0.5 1232 1.7 1700 1.5 2234 1.9	06 SEG	0447 0.7 1213 1.7 1726 1.5 2206 1.7	22 QUA	0032 1.7 0651 1.1 1304 1.8 1953 1.0	06 QUA	0511 0.9 1141 1.8 1756 1.1 2345 1.7	22 SEX	0145 1.6 0623 1.4 1213 1.9 2009 0.8	06 SAB	0058 1.7 0539 1.4 1121 1.9 1917 0.7	22 SEG	0753 1.8 2215 0.7
07 SAB	0411 0.5 1139 1.7 1539 1.6 2058 1.9	23 SEG	0623 0.8 1347 1.6 1856 1.4	07 TER	0545 0.8 1313 1.7 1900 1.4 2347 1.6	23 QUI	0232 1.7 0802 1.3 1356 1.8 2108 0.8	07 QUI	0602 1.1 1211 1.8 1900 1.0	23 SAB	0426 1.6 0734 1.6 1300 1.8 2128 0.7	07 DOM	0358 1.7 0632 1.6 1158 1.9 2049 0.6	23 TER	0706 1.9 1213 1.7 1439 1.7 2319 0.5
08 DOM	0458 0.7 1343 1.6 1606 1.6 2117 1.8	24 TER	0026 1.7 0754 1.0 1454 1.7 2051 1.2	08 QUA	0704 1.0 1409 1.7 2024 1.2	24 SEX	0424 1.7 0921 1.4 1447 1.8 2209 0.6	08 SEX	0130 1.7 0711 1.3 1253 1.7 2013 0.8	24 DOM	0608 1.7 0941 1.7 1404 1.8 2238 0.6	08 SEG	0609 1.8 0919 1.8 1309 1.9 2213 0.4	24 QUA	0715 2.0 1224 1.6 1639 1.8
09 SEG	0615 0.8 1608 1.7	25 QUA	0300 1.7 0921 1.1 1541 1.7 2200 0.9	09 QUI	0211 1.6 0839 1.1 1454 1.7 2124 1.0	25 SAB	0539 1.8 1030 1.5 1536 1.9 2300 0.5	09 SAB	0341 1.7 0843 1.5 1338 1.8 2123 0.6	25 SEG	0654 1.9 1115 1.7 1521 1.8 2330 0.4	09 TER	0647 2.0 1104 1.7 1502 1.9 2319 0.2	25 QUI	0004 0.4 0732 2.0 1247 1.4 1739 1.9
10 TER	0813 0.9 1632 1.7 2221 1.4	26 QUI	0439 1.8 1028 1.1 1615 1.8 2251 0.7	10 SEX	0404 1.8 0956 1.2 1528 1.7 2211 0.7	26 DOM	0630 1.9 1123 1.5 1617 1.9 2345 0.4	10 DOM	0517 1.9 1008 1.6 1434 1.8 2226 0.4	26 TER	0724 2.0 1211 1.6 1632 1.9	10 QUA	0713 2.0 1156 1.6 1638 2.0	26 SEX	0043 0.4 0747 2.0 1306 1.3 1824 2.0
11 QUA	0258 1.6 0953 0.9 1651 1.8 2241 1.2	27 SEX	0541 1.9 1115 1.2 1647 1.9 2330 0.5	11 SAB	0513 1.9 1056 1.3 1600 1.8 2256 0.5	27 SEG	0711 2.0 1206 1.5 1658 2.0	11 SEG	0619 2.0 1113 1.6 1536 1.9 2323 0.2	27 QUA	0013 0.3 0753 2.0 1251 1.5 1728 1.9	11 QUI	0013 0.1 0739 2.0 1232 1.5 1745 2.2	27 SAB	0115 0.3 0802 2.0 1328 1.1 1904 2.1
12 QUI	0436 1.8 1053 0.9 1706 1.8 2306 0.9	28 SAB	0626 2.0 1156 1.2 1715 2.0	12 DOM	0609 2.1 1143 1.4 1634 1.9 2339 0.2	28 TER	0023 0.3 0751 2.0 1247 1.5 1736 2.0	12 TER	0708 2.1 1200 1.6 1636 2.0	28 QUI	0053 0.3 0815 2.0 1319 1.5 1815 2.0	12 SEX	0102 0.1 0802 2.0 1306 1.3 1843 2.3	28 DOM	0147 0.4 0815 2.0 1354 1.0 1943 2.2
13 SEX	0530 2.0 1139 1.0 1721 1.8 2336 0.6	29 DOM	0006 0.3 0706 2.1 1228 1.3 1743 2.0	13 SEG	0658 2.2 1219 1.4 1708 2.0	29 QUA	0100 0.2 0821 2.0 1317 1.5 1813 2.0	13 QUA	0013 0.0 0749 2.1 1239 1.6 1734 2.2	29 SEX	0128 0.3 0838 2.0 1349 1.4 1858 2.0	13 SAB	0143 0.1 0823 2.0 1343 1.1 1932 2.4	29 SEG	0215 0.5 0830 2.0 1417 0.8 2017 2.2
14 SAB	0615 2.2 1215 1.0 1739 1.9	30 SEG	0041 0.2 0743 2.1 1258 1.3 1808 2.1	14 TER	0021 0.0 0743 2.2 1254 1.5 1747 2.2	30 QUI	0136 0.2 0853 2.0 1353 1.5 1851 2.1	14 QUI	0102 -0.1 0823 2.1 1313 1.5 1826 2.3	30 SAB	0200 0.3 0858 2.0 1415 1.3 1939 2.1	14 DOM	0221 0.2 0845 2.0 1417 0.9 2019 2.3	30 TER	0243 0.6 0845 2.0 1445 0.7 2054 2.2
15 DOM	0006 0.4 0658 2.3 1249 1.1 1800 2.0	31 TER	0111 0.2 0817 2.1 1326 1.4 1836 2.1	15 QUA	0106 -0.1 0824 2.2 1324 1.5 1828 2.3	15 QUA	0106 -0.1 0824 2.2 1324 1.5 1828 2.3	15 SEX	0151 0.0 0854 2.1 1353 1.3 1921 2.3	31 DOM	0234 0.3 0915 2.0 1447 1.1 2017 2.1	15 SEG	0256 0.4 0904 2.0 1456 0.7 2104 2.3	31 QUA	0308 0.7 0900 2.0 1513 0.6 2134 2.1
16 SEG	0041 0.1 0741 2.3 1317 1.2 1823 2.1	16 QUI	0153 -0.1 0906 2.1 1358 1.5 1911 2.3	16 QUI	0153 -0.1 0906 2.1 1358 1.5 1911 2.3	16 SAB	0232 0.1 0921 2.0 1432 1.2 2011 2.3	16 SAB	0232 0.1 0921 2.0 1432 1.2 2011 2.3	16 TER	0324 0.6 0926 2.0 1536 0.6 2149 2.1	16 TER	0324 0.6 0926 2.0 1536 0.6 2149 2.1		

