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MORNINGTON ISLAND – QUEENSLAND

LAT 16° 40' LONG 139° 10'

Times and Heights of High and Low Waters

2016

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0100 2.99 FR 2026 2.96		16 0131 3.04 SA 2011 2.97		1 1134 2.23 MO 1905 3.00 ☉		16 0218 2.15 TU 1103 2.52 TU 1758 3.06		1 0219 2.22 TU 0834 2.47 TU 1046 2.44 TU 1724 2.90		16 0127 1.67 WE 1547 3.06 ☉		1 0209 1.54 FR 1528 2.92 ☉		16 0255 1.21 SA 1606 2.79 SA	
2 1226 1.77 SA 2034 2.96 ☉		17 1202 1.97 SU 2011 2.94 ☉		2 0516 2.20 TU 1906 3.07		17 0334 1.88 WE 1801 3.21		2 0248 2.05 WE 1724 2.99 ☉		17 0243 1.53 TH 1627 3.14		2 0258 1.46 SA 1615 2.94		17 0344 1.30 SU 1517 2.66	
3 1233 1.95 SU 2034 2.97		18 1201 2.19 MO 1949 2.99		3 0510 2.04 WE 1906 3.16		18 0431 1.68 TH 1819 3.33		3 0324 1.88 TH 1723 3.09		18 0343 1.46 FR 1714 3.15		3 0347 1.42 SU 1716 2.93		18 0430 1.42 MO 1440 2.56	
4 1120 2.12 MO 2034 3.01		19 0432 2.14 TU 1935 3.10		4 0522 1.88 TH 1909 3.25		19 0527 1.55 FR 1854 3.38		4 0403 1.75 FR 1742 3.17		19 0439 1.45 SA 1807 3.11		4 0436 1.43 MO 1826 2.88		19 0515 1.57 TU 1359 2.48	
5 0659 2.01 TU 2034 3.07		20 0512 1.85 WE 1932 3.24		5 0552 1.73 FR 1922 3.33		20 0621 1.50 SA 1944 3.38		5 0447 1.64 SA 1817 3.23		20 0532 1.50 SU 1906 3.02		5 0528 1.48 TU 1946 2.78		20 0559 1.71 WE 1342 2.42 WE 1928 2.14	
6 0647 1.85 WE 2032 3.14		21 0600 1.62 TH 1942 3.37		6 0633 1.61 SA 1953 3.40		21 0713 1.50 SU 2045 3.34		6 0536 1.57 SU 1906 3.25		21 0624 1.57 MO 2017 2.91		6 0620 1.58 WE 1531 2.62 WE 1808 2.54 2145 2.66		21 0003 2.19 TH 0641 1.85 TH 1329 2.38 1956 1.97	
7 0657 1.70 TH 2032 3.23		22 0650 1.46 FR 2014 3.46		7 0719 1.52 SU 2039 3.44		22 0759 1.54 MO 2148 3.27		7 0630 1.54 MO 2009 3.23		22 0709 1.67 TU 1640 2.76 TU 1844 2.72 2138 2.78		7 0709 1.72 TH 1535 2.48 TH 1903 2.31 ☉ 2348 2.56		22 0202 2.18 FR 0718 1.97 FR 1321 2.36 ☉ 2027 1.80	
8 0721 1.56 FR 2046 3.31		23 0739 1.37 SA 2102 3.49		8 0807 1.47 MO 2137 3.45		23 0839 1.60 TU 2245 3.18 ☉		8 0723 1.54 TU 2124 3.18		23 0749 1.77 WE 1618 2.67 WE 1933 2.56 ☉ 2303 2.67		8 0750 1.88 FR 1455 2.37 FR 1955 2.05		23 0411 2.24 SA 0751 2.09 SA 1306 2.37 2059 1.65	
9 0755 1.45 SA 2114 3.37		24 0825 1.35 SU 2157 3.48 ☉		9 0852 1.45 TU 2236 3.43 ☉		24 0911 1.69 WE 2332 3.06		9 0811 1.59 WE 1715 2.90 WE 1845 2.88 ☉ 2246 3.11		24 0821 1.87 TH 1607 2.60 TH 2016 2.41		9 0203 2.50 SA 0823 2.08 SA 1405 2.36 2048 1.79		24 0513 2.31 SU 0817 2.20 SU 1249 2.42 2133 1.52	
10 0834 1.37 SU 2155 3.42 ☉		25 0907 1.37 MO 2249 3.43		10 0932 1.48 WE 2333 3.37		25 0938 1.79 TH 1754 2.84 TH 2048 2.76		10 0850 1.69 TH 1722 2.79 TH 1948 2.70		25 0040 2.55 FR 0848 1.99 FR 1549 2.55 2055 2.26		10 0432 2.53 SU 0853 2.27 SU 1317 2.47 2143 1.56		25 1238 2.49 MO 2210 1.42	
11 0915 1.32 MO 2241 3.44		26 0943 1.43 TU 2334 3.35		11 1004 1.58 TH		26 0011 2.93 FR 1001 1.91 FR 1755 2.79 2136 2.63		11 0006 2.99 FR 0917 1.84 FR 1729 2.67 2044 2.48		26 0259 2.47 SA 0911 2.11 SA 1524 2.53 2135 2.12		11 0604 2.60 MO 0920 2.44 MO 1249 2.65 2244 1.38		26 0645 2.44 TU 0904 2.36 TU 1238 2.56 2253 1.33	
12 0955 1.31 TU 2327 3.43		27 1015 1.52 WE		12 0028 3.24 FR 1028 1.72 FR 1851 2.92 2139 2.79		27 0045 2.77 SA 1019 2.04 SA 1748 2.76 2227 2.51		12 0132 2.84 SA 0940 2.03 SA 1711 2.58 2141 2.25		27 0520 2.45 SU 0929 2.22 SU 1513 2.56 2217 1.99		12 0713 2.64 TU 0943 2.57 TU 1314 2.81 2350 1.26		27 0729 2.47 WE 0929 2.42 WE 1254 2.62 2342 1.26	
13 1032 1.34 WE		28 0010 3.23 TH 1042 1.64 TH 1909 2.98 2135 2.94		13 0125 3.04 SA 1047 1.91 SA 1857 2.85 2245 2.61		28 0115 2.60 SU 1035 2.18 SU 1725 2.78 2326 2.38		13 0349 2.69 SU 1002 2.24 SU 1614 2.61 2244 2.04		28 0633 2.48 MO 0946 2.34 MO 1506 2.62 2305 1.86		13 0832 2.65 WE 0955 2.64 WE 1353 2.90		28 0817 2.50 TH 0957 2.47 TH 1320 2.67	
14 0011 3.37 TH 1103 1.43 TH 1943 3.08 2133 3.04		29 0039 3.08 FR 1105 1.77 FR 1915 2.95 2237 2.84		14 0248 2.78 SU 1105 2.13 SU 1842 2.83		29 0654 2.46 MO 1046 2.32 MO 1720 2.83		14 0624 2.65 MO 1022 2.43 MO 1548 2.74 2358 1.85		29 0733 2.51 TU 1002 2.44 TU 1439 2.69		14 0058 1.18 TH 1436 2.93 ☉		29 0034 1.20 FR 1353 2.69	
15 0053 3.24 FR 1128 1.56 FR 2000 3.02 2244 2.92		30 0057 2.90 SA 1122 1.92 SA 1918 2.94		15 0006 2.40 MO 0611 2.58 MO 1116 2.34 ☉ 1805 2.91		15 0062 2.40 MO 1116 2.34 ☉ 1805 2.91		15 0756 2.65 TU 1033 2.59 TU 1529 2.91		30 0002 1.75 WE 0836 2.55 WE 1014 2.53 1432 2.78		15 0201 1.17 FR 1521 2.88		30 0124 1.16 SA 1431 2.68 ☉	
		31 1134 2.08 SU 1911 2.96						31 0109 1.64 TH 1453 2.86							

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Times are in local standard time (Time Zone UTC +10:00)

Moon Phase Symbols

☉ New Moon

☾ First Quarter

☽ Full Moon

☾ Last Quarter

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LAT 16° 40' LONG 139° 10'

Times and Heights of High and Low Waters

2016

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0210 1512 SU	1.15 2.62	16 0250 1113 MO	1.17 2.31	1 0239 1034 WE	1.24 2.16 1.84 1.87	16 0213 0935 TH	1.53 2.12 1.33	1 0111 0830 FR	1.61 2.08 1.14	16 0751 1817 SA	2.20 0.99	1 0718 1902 MO	2.48 0.64	16 0703 1850 TU	2.43 0.81
2 0254 1603 MO	1.18 2.52	17 0326 1120 TU	1.34 2.27	2 0310 1032 TH	1.47 2.11 1.58 1.80	17 0936 1910 FR	2.15 1.17	2 0813 1815 SA	2.20 0.90	17 0750 1850 SU	2.27 0.87	2 0813 1956 TU	2.51 0.60	17 0754 1940 WE	2.44 0.78
3 0338 1255 1638 1802 TU	1.27 2.44 2.36 2.37	18 0359 1125 WE	1.53 2.24 1.73 1.81	3 0330 1012 FR	1.72 2.11 1.30	18 0930 1932 SA	2.20 1.02	3 0804 1911 SU	2.34 0.71	18 0803 1930 MO	2.33 0.78	3 0927 2043 WE	2.49 0.62	18 0905 2027 TH	2.44 0.77
4 0424 1250 WE	1.42 2.34 2.15 2.20	19 0430 1125 TH	1.71 2.22 1.56	4 0954 1911 SA	2.20 1.04	19 0927 2003 SU	2.26 0.91	4 0839 2005 MO	2.44 0.58	19 0839 2014 TU	2.37 0.71	4 1039 2126 TH	2.45 0.69	19 0542 0626 FR	2.27 2.27 2.42 0.81
5 0513 1237 TH	1.62 2.25 1.90 2.12	20 1120 2001 FR	2.23 1.40	5 0932 2004 SU	2.34 0.83	20 0943 2038 MO	2.32 0.81	5 0938 2056 TU	2.50 0.52	20 0933 2058 WE	2.39 0.67	5 1139 2202 FR	2.38 0.78	20 0540 0739 SA	2.21 2.16 2.38 0.89
6 0603 1212 FR	1.84 2.20 1.62	21 1113 2024 SA	2.27 1.25	6 1003 2057 MO	2.47 0.67	21 1013 2117 TU	2.36 0.75	6 1041 2144 WE	2.51 0.52	21 1032 2140 TH	2.41 0.66	6 1229 2232 SA	2.27 0.91	21 0557 0832 SU	2.13 2.02 2.30 1.03
7 0234 0651 SA	2.18 2.06 1.139 1.35	22 0514 0640 SU	2.15 2.14 2.32 1.13	7 1051 2149 TU	2.56 0.59	22 1051 2158 WE	2.39 0.71	7 1139 2228 TH	2.48 0.57	22 1128 2220 FR	2.40 0.68	7 0624 0933 SU	2.04 1.92 2.13 1.05	22 0613 0924 MO	2.04 1.85 2.17 1.21
8 0448 0733 SU	2.34 2.25 1.110 2.052	23 0539 0720 MO	2.25 2.23 2.38 1.04	8 1141 2239 WE	2.60 0.57	23 1133 2239 TH	2.41 0.70	8 1228 2307 FR	2.41 0.67	23 1219 2254 SA	2.37 0.75	8 0636 1023 MO	2.00 1.81 1.96 2.319	23 0619 1019 TU	1.97 1.68 2.00 1.41
9 0546 0810 MO	2.47 2.40 1.121 2.147	24 1127 2206 TU	2.43 0.96	9 1229 2327 TH	2.57 0.62	24 1214 2320 FR	2.41 0.71	9 0709 0935 SA	2.13 2.07 2.29 0.79	24 0656 0926 SU	2.13 2.03 2.28 0.86	9 0638 1120 TU	1.99 1.69 1.77 2.335	24 0556 1122 WE	1.95 1.49 1.88 1.62
10 1158 2244 TU	2.68 0.84	25 1151 2249 WE	2.48 0.92	10 0749 0936 FR	2.31 2.28 2.49	25 0725 0931 SA	2.23 2.17 2.37 0.75	10 0728 1028 SU	2.08 1.98 2.12	25 0718 1021 MO	2.06 1.91 2.14 1.02	10 0629 1539 WE	2.01 1.57 1.65 1.54	25 0524 1241 TH	2.03 1.31 1.89 1.82
11 0730 0912 WE	2.55 2.52 1.240 2.340	26 0712 0905 TH	2.37 2.32 2.50 0.88	11 0012 0817 SA	0.70 2.24 2.20 2.35	26 0758 1021 SU	2.19 2.11 2.29	11 0010 0746 MO	0.94 2.04 1.88 1.93	26 0734 1124 TU	2.00 1.77 1.93	11 0625 1545 TH	2.06 1.38	26 0511 1421 FR	2.18 1.11
12 0827 0936 TH	2.52 2.51 2.73	27 0751 0943 FR	2.37 2.33 2.50	12 0051 0844 SU	0.83 2.18 2.12 2.18	27 0026 0827 MO	0.84 2.14 2.03 2.14	12 0034 0757 TU	1.11 2.03	27 0001 0734 WE	1.22 1.97 1.60 1.74	12 0626 1607 FR	2.14 1.22	27 0501 1537 SA	2.34 0.93
13 0035 1404 FR	0.83 2.65	28 0016 0833 SA	0.87 2.35 2.32 2.47	13 0125 0909 MO	0.98 2.14	28 0052 0848 TU	0.97 2.08 1.90 1.94	13 0050 0758 WE	1.29 2.04 1.48 1.54	28 0014 0710 TH	1.43 2.00 1.36 1.71	13 0624 1638 SA	2.22 1.07	28 0520 1640 SU	2.47 0.82
14 0125 1438 SA	0.90 2.52	29 0056 1414 SU	0.89 2.39	14 0154 0926 TU	1.16 2.12	29 0114 0857 WE	1.15 2.04 1.68 1.72	14 0054 0758 TH	1.47 2.07 1.30	29 0009 0656 FR	1.64 2.11 1.10	14 0620 1716 SU	2.31 0.96	29 0556 1740 MO	2.54 0.77
15 0210 1400 SU	1.02 2.37	30 0132 0955 MO	0.95 2.28	15 0213 0933 WE	1.35 2.11 1.51 2.58	30 0129 0847 TH	1.38 2.03 1.41 1.66	15 0757 1752 FR	2.13 1.13	30 0645 1705 SA	2.25 0.89	15 0632 1801 MO	2.39 0.87	30 0646 1838 TU	2.54 0.78
		31 0206 1021 TU	1.06 2.22					31 0647 1804 SU	2.39 0.73					31 0752 1930 WE	2.49 0.83

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Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

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LAT 16° 40' LONG 139° 10'

Times and Heights of High and Low Waters

2016

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0915 2014 TH ●	2.41 0.92	16 0837 1939 FR	2.41 1.05	1 0326 0736 SA ●	2.21 2.02 2.10 1.49	16 0232 0658 SU ○	2.26 2.00 2.16 1.68	1 0015 0859 TU 1941	2.45 1.48 2.32 2.28	16 0836 2250 WE	1.22 2.90	1 0923 2306 TH	1.29 3.02	16 0929 2306 FR	1.02 3.41
2 0527 0712 FR 1039 2050	2.22 2.19 2.32 1.03	17 0429 0651 SA 1020 ○ 2018	2.27 2.20 2.33 1.16	2 0318 0816 SU 1347 2022	2.15 1.86 2.04 1.63	17 0155 0744 MO 1413 1948	2.18 1.75 2.17 1.89	2 0002 0929 WE	2.53 1.37	17 0926 2324 TH	1.04 3.05	2 0956 2328 FR	1.24 3.06	17 1016 2352 SA	1.00 3.40
3 0513 0803 SA 1148 2119	2.13 2.04 2.22 1.15	18 0443 0742 SU 1201 ○ 2048	2.16 2.01 2.25 1.32	3 0253 0853 MO 1543 2046	2.12 1.70 2.03 1.77	18 0115 0832 TU 1643 2020	2.19 1.49 2.28 2.11	3 0004 1002 TH	2.61 1.28	18 1019 FR	0.93	3 1032 2355 SA	1.21 3.09	18 1102 SU	1.05
4 0511 0848 SU 1250 2143	2.07 1.90 2.10 1.29	19 0448 0832 MO 1343 ○ 2113	2.05 1.80 2.16 1.51	4 0236 0931 TU 1726 2107	2.14 1.56 2.07 1.90	19 0031 0924 WE	2.31 1.26	4 0013 1039 FR	2.69 1.22	19 0005 1112 SA	3.13 0.90	4 1109 SU	1.21	19 0034 1143 MO	3.32 1.16
5 0515 0932 MO 1417 2204	2.02 1.76 1.97 1.43	20 0414 0923 TU 1552 ○ 2138	1.98 1.58 2.10 1.72	5 0216 1009 WE 1831 2126	2.19 1.44 2.13 2.03	20 0009 1018 TH 1909 2114	2.51 1.07 2.50 2.46	5 0028 1120 SA 2024 2121	2.75 1.18 2.61 2.61	20 0046 1203 SU	3.13 0.95	5 0024 1145 MO 2045 2145	3.09 1.23 2.93 2.92	20 0110 1219 TU	3.17 1.32
6 0457 1016 TU 1651 2221	2.00 1.63 1.87 1.58	21 0328 1018 WE 1812 ○ 2200	2.02 1.37 2.12 1.92	6 0153 1051 TH 1930 2142	2.28 1.34 2.19 2.14	21 0036 1117 FR 2039 2118	2.69 0.96 2.56 2.56	6 0051 1203 SU	2.80 1.16	21 0124 1251 MO ●	3.06 1.05	6 0054 1219 TU	3.06 1.28	21 0127 1249 WE ●	2.98 1.51 2.92
7 0440 1106 WE 1906 2236	2.04 1.52 1.86 1.73	22 0240 1120 TH 1940 ○ 2216	2.17 1.19 2.17 2.10	7 0142 1137 FR 2037 2151	2.37 1.25 2.25 2.24	22 0113 1220 SA	2.80 0.91	7 0118 1247 MO	2.82 1.16	22 0151 1334 TU 2303	2.93 1.21 2.77	7 0121 1248 WE ●	2.98 1.36 2.91	22 1310 2118 TH	1.73 2.91
8 0438 1204 TH 2032 2242	2.10 1.40 1.90 1.86	23 0215 1233 FR ●	2.36 1.05	8 0149 1231 SA	2.46 1.19	23 0153 1322 SU ●	2.84 0.91	8 0147 1330 TU ●	2.80 1.18	23 1411 2249 WE	1.40 2.73	8 1314 2206 TH	1.48 2.87	23 1315 2120 FR	1.94 2.93
9 0437 1325 FR ●	2.18 1.29	24 0245 1352 SA	2.52 0.94	9 0210 1328 SU ●	2.54 1.13	24 0232 1418 MO	2.81 0.98	9 0210 1410 WE 2351	2.76 1.25 2.69	24 1440 2253 TH	1.62 2.70	9 1334 2212 FR	1.66 2.83	24 0742 2118 SA	2.07 2.97
10 0421 1436 SA	2.28 1.17	25 0327 1500 SU	2.61 0.89	10 0238 1422 MO	2.59 1.10	25 0300 1509 TU	2.72 1.11	10 1449 2358 TH	1.36 2.65	25 1452 2257 FR	1.84 2.69	10 1332 2209 SA	1.89 2.80	25 0713 2117 SU	1.89 3.03
11 0419 1527 SU	2.37 1.07	26 0414 1600 MO	2.64 0.90	11 0311 1512 TU	2.60 1.10	26 0222 1556 WE	2.60 1.27	11 1528 FR	1.53	26 0827 2253 SA	1.95 2.71	11 0634 1017 SU 1246 2152	2.10 2.14 2.12 2.82	26 0723 2114 MO	1.72 3.10
12 0443 1616 MO	2.45 1.00	27 0504 1656 TU	2.59 0.97	12 0345 1602 WE	2.58 1.13	27 0124 1639 TH	2.51 1.46	12 0000 1611 SA 2354	2.58 1.75 2.51	27 0807 2245 SU	1.78 2.75	12 0626 2136 MO	1.82 2.91	27 0741 2116 TU	1.58 3.17
13 0520 1706 TU	2.49 0.97	28 0558 1751 WE	2.50 1.08	13 0340 1651 TH	2.52 1.20	28 0103 1721 FR	2.45 1.66	13 0625 1116 SU 1659 2335	2.02 2.10 2.01 2.49	28 0813 2238 MO	1.62 2.82	13 0705 2119 TU	1.54 3.07	28 0806 2133 WE	1.47 3.24
14 0609 1758 WE	2.50 0.96	29 0711 1839 TH	2.36 1.21	14 0232 0539 FR 0631 1741	2.45 2.40 2.40 2.40 1.33	29 0055 0853 SA 1222 1801	2.40 1.97 2.02 1.84	14 0702 2310 MO ○	1.74 2.56	29 0829 2236 TU ●	1.48 2.89	14 0751 2138 WE ○	1.30 3.23	29 0836 2159 TH ●	1.39 3.29
15 0715 1850 TH	2.47 0.99	30 0345 1920 FR	2.29 1.35	15 0241 1829 SA	2.37 1.49	30 0048 0811 SU 1507 1838	2.38 1.79 2.08 2.01	15 0747 1721 TU 1838 2241	1.46 2.52 2.51 2.71	30 0853 2247 WE	1.37 2.97	15 0840 2219 TH	1.12 3.35	30 0909 2231 FR	1.34 3.32
				31 0036 0832 MO 1641 ● 1912	2.40 1.63 2.20 2.15							31 0946 2306 SA	1.31 3.33		

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