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AUSTRALIA, EAST COAST – MACKAY OUTER HARBOUR

LAT 21° 06' S LONG 149° 14' E
Times and Heights of High and Low Waters

2014

Time Zone -1000

JANUARY

Table for January with columns for Time m and days 1-31. Includes moon symbols (☉, ☽, ☾, ☽) and tidal heights for High and Low Waters.

FEBRUARY

Table for February with columns for Time m and days 1-29. Includes moon symbols (☽, ☾, ☽, ☉) and tidal heights for High and Low Waters.

MARCH

Table for March with columns for Time m and days 1-31. Includes moon symbols (☽, ☾, ☽, ☉) and tidal heights for High and Low Waters.

APRIL

Table for April with columns for Time m and days 1-30. Includes moon symbols (☽, ☾, ☽, ☉) and tidal heights for High and Low Waters.

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Datum of Predictions is Lowest Astronomical Tide

Moon Symbols

☉ New Moon

☽ First Quarter

☾ Full Moon

☽ Last Quarter

Bureau of Meteorology

National Tidal Centre

AUSTRALIA, EAST COAST – MACKAY OUTER HARBOUR

LAT 21° 06' S LONG 149° 14' E

Times and Heights of High and Low Waters

2014

Time Zone -1000

MAY		JUNE		JULY		AUGUST									
Time	m	Time	m	Time	m	Time	m								
1	0614 1.11 1202 4.66 TH 1809 0.97	16	0556 0.92 1140 4.82 FR 1751 0.63	1	0036 5.26 0709 1.49 SU 1254 4.04 1847 1.47	16	0045 5.99 0728 0.74 MO 1318 4.67 1921 0.76	1	0043 5.13 0713 1.38 TU 1302 4.10 1857 1.44	16	0119 5.86 0758 0.53 WE 1355 4.86 2001 0.84	1	0114 4.70 0741 1.38 FR 1343 4.14 1946 1.76	16	0236 4.66 0905 1.07 SA 1524 4.64 2140 1.68
2	0024 5.51 0652 1.38 FR 1239 4.32 1840 1.30	17	0005 5.86 0643 1.02 SA 1228 4.63 1833 0.83	2	0111 5.01 0745 1.65 MO 1333 3.88 1922 1.73	17	0137 5.76 0820 0.84 TU 1415 4.57 2016 1.05	2	0116 4.91 0747 1.49 WE 1340 3.99 1934 1.70	17	0210 5.44 0848 0.74 TH 1453 4.72 2058 1.23	2	0151 4.40 0821 1.52 SA 1434 4.04 2039 2.02	17	0343 4.17 1011 1.35 SU 1642 4.53 2312 1.87
3	0101 5.21 0732 1.66 SA 1318 4.00 1913 1.65	18	0052 5.71 0734 1.16 SU 1321 4.42 1923 1.08	3	0151 4.76 0829 1.79 TU 1424 3.75 2008 2.00	18	0232 5.46 0917 0.94 WE 1519 4.51 2119 1.33	3	0153 4.65 0827 1.61 TH 1429 3.89 2021 1.96	18	0306 4.98 0943 0.95 FR 1559 4.63 2206 1.57	3	0243 4.12 0918 1.63 SU 1547 4.04 2201 2.17	18	0510 3.91 1134 1.45 MO 1807 4.64
4	0142 4.88 0818 1.91 SU 1407 3.74 1955 2.00	19	0145 5.50 0832 1.28 MO 1424 4.27 2023 1.35	4	0241 4.51 0926 1.87 WE 1529 3.69 2113 2.23	19	0334 5.15 1018 1.00 TH 1630 4.55 2233 1.53	4	0239 4.39 0918 1.69 FR 1533 3.86 2126 2.17	19	0413 4.57 1050 1.10 SA 1715 4.65 2333 1.73	4	0403 3.92 1038 1.60 MO 1714 4.25 2339 2.04	19	0047 1.71 0641 3.97 TU 1252 1.32 1918 4.91
5	0233 4.58 0921 2.07 MO 1517 3.57 2100 2.29	20	0248 5.28 0938 1.31 TU 1538 4.25 2136 1.54	5	0344 4.34 1034 1.84 TH 1647 3.80 2240 2.29	20	0445 4.91 1126 0.99 FR 1744 4.72 2355 1.57	5	0343 4.19 1024 1.67 SA 1649 4.00 2255 2.20	20	0533 4.32 1203 1.12 SU 1831 4.83	5	0532 3.95 1156 1.37 TU 1828 4.66	20	0154 1.39 0747 4.19 WE 1352 1.10 2010 5.18
6	0343 4.38 1043 2.07 TU 1651 3.62 2238 2.39	21	0359 5.14 1050 1.22 WE 1658 4.40 2258 1.59	6	0455 4.30 1139 1.67 FR 1756 4.07	21	0558 4.75 1233 0.90 SA 1854 4.99	6	0458 4.13 1133 1.50 SU 1800 4.31	21	0100 1.61 0652 4.27 MO 1311 1.03 1937 5.10	6	0058 1.68 0645 4.17 WE 1302 1.04 1929 5.13	21	0242 1.12 0835 4.40 TH 1439 0.93 2052 5.36
7	0503 4.36 1155 1.88 WE 1809 3.89	22	0516 5.09 1201 1.04 TH 1813 4.71	7	0000 2.13 0558 4.38 SA 1231 1.41 1850 4.44	22	0113 1.45 0707 4.68 SU 1334 0.80 1954 5.26	7	0017 1.99 0608 4.22 MO 1234 1.23 1859 4.73	22	0208 1.36 0758 4.35 TU 1410 0.90 2029 5.33	7	0201 1.26 0747 4.44 TH 1400 0.71 2022 5.57	22	0321 0.96 0914 4.53 FR 1519 0.83 2128 5.44
8	0004 2.23 0610 4.50 TH 1248 1.61 1902 4.24	23	0019 1.47 0627 5.12 FR 1304 0.82 1917 5.06	8	0102 1.86 0652 4.52 SU 1318 1.13 1937 4.83	23	0218 1.27 0807 4.65 MO 1427 0.72 2043 5.47	8	0122 1.66 0708 4.38 TU 1328 0.93 1952 5.16	23	0300 1.15 0849 4.43 WE 1457 0.81 2112 5.48	8	0258 0.88 0842 4.71 FR 1454 0.42 2112 5.93	23	0355 0.89 0947 4.59 SA 1552 0.78 2159 5.46
9	0102 1.95 0700 4.68 FR 1330 1.34 1942 4.59	24	0130 1.28 0728 5.14 SA 1359 0.65 2011 5.37	9	0154 1.56 0741 4.66 MO 1402 0.87 2020 5.21	24	0312 1.13 0858 4.62 TU 1512 0.70 2126 5.60	9	0218 1.31 0803 4.55 WE 1419 0.66 2041 5.55	24	0343 1.02 0931 4.47 TH 1538 0.77 2150 5.54	9	0348 0.56 0933 4.94 SA 1545 0.18 2158 6.19	24	0425 0.86 1016 4.63 SU 1622 0.78 2228 5.44
10	0148 1.67 0742 4.85 SA 1406 1.09 2017 4.92	25	0230 1.10 0821 5.10 SU 1447 0.56 2058 5.59	10	0241 1.29 0827 4.77 TU 1445 0.66 2102 5.54	25	0357 1.05 0942 4.57 WE 1552 0.71 2205 5.65	10	0311 1.00 0854 4.71 TH 1509 0.44 2127 5.88	25	0420 0.98 1008 4.48 FR 1612 0.78 2223 5.55	10	0435 0.30 1021 5.14 SU 1635 0.03 2243 6.33	25	0453 0.85 1043 4.66 MO 1649 0.79 2255 5.38
11	0229 1.42 0820 4.97 SU 1442 0.88 2052 5.22	26	0321 1.00 0908 5.01 MO 1529 0.55 2139 5.73	11	0328 1.06 0912 4.84 WE 1528 0.49 2144 5.81	26	0436 1.03 1021 4.51 TH 1627 0.76 2240 5.64	11	0402 0.74 0944 4.84 FR 1557 0.26 2213 6.14	26	0453 0.97 1039 4.47 SA 1643 0.81 2254 5.51	11	0520 0.13 1108 5.29 MO 1722 -0.01 2327 6.32	26	0519 0.85 1109 4.69 TU 1717 0.84 2321 5.29
12	0309 1.21 0858 5.04 MO 1518 0.70 2128 5.48	27	0406 0.95 0951 4.90 TU 1607 0.58 2218 5.79	12	0414 0.87 0957 4.88 TH 1612 0.38 2227 6.02	27	0511 1.05 1056 4.44 FR 1659 0.84 2313 5.57	12	0450 0.52 1034 4.96 SA 1646 0.15 2259 6.29	27	0522 0.99 1108 4.46 SU 1711 0.85 2322 5.44	12	0604 0.08 1154 5.34 TU 1808 0.10	27	0543 0.87 1136 4.70 WE 1746 0.95 2348 5.14
13	0349 1.05 0936 5.07 TU 1554 0.58 2204 5.70	28	0447 0.97 1030 4.76 WE 1642 0.67 2254 5.77	13	0501 0.74 1044 4.89 FR 1657 0.33 2311 6.13	28	0544 1.11 1129 4.36 SA 1729 0.94 2344 5.46	13	0538 0.37 1123 5.04 SU 1734 0.13 2346 6.31	28	0549 1.02 1136 4.45 MO 1738 0.93 2348 5.34	13	0012 6.11 0646 0.17 WE 1241 5.28 1854 0.39	28	0609 0.93 1205 4.66 TH 1814 1.13
14	0430 0.94 1016 5.04 WE 1632 0.51 2242 5.85	29	0524 1.04 1109 4.60 TH 1715 0.80 2329 5.66	14	0549 0.66 1134 4.86 SA 1743 0.38 2358 6.12	29	0614 1.19 1159 4.28 SU 1758 1.08	14	0625 0.32 1213 5.05 MO 1822 0.24	29	0614 1.06 1203 4.42 TU 1805 1.05	14	0057 5.73 0729 0.40 TH 1330 5.10 1942 0.80	29	0014 4.91 0636 1.05 FR 1235 4.56 1846 1.37
15	0512 0.89 1056 4.96 TH 1710 0.52 2322 5.91	30	0600 1.16 1145 4.42 FR 1746 0.99	15	0638 0.67 1224 4.78 SU 1831 0.52	30	0014 5.31 0643 1.28 MO 1229 4.20 1826 1.24	15	0032 6.16 0711 0.37 TU 1303 4.99 1911 0.49	30	0015 5.18 0640 1.13 WE 1232 4.36 1835 1.24	15	0143 5.21 0813 0.72 FR 1422 4.86 2034 1.27	30	0043 4.63 0704 1.21 SA 1309 4.43 1921 1.64
	31	31	0003 5.48 0634 1.31 SA 1219 4.23 1817 1.22				31	0043 4.97 0709 1.24 TH 1305 4.26 1907 1.48			31	0117 4.33 0739 1.40 SU 1353 4.30 2010 1.91			

AUSTRALIA, EAST COAST – MACKAY OUTER HARBOUR

LAT 21° 06' S LONG 149° 14' E
Times and Heights of High and Low Waters

2014

Time Zone -1000

SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER									
Time	m	Time	m	Time	m	Time	m								
1	0205 4.01 0830 1.58 MO 1500 4.20 2128 2.09	16	0447 3.62 1058 1.79 TU 1734 4.45 ☾	1	0312 3.68 0923 1.71 WE 1605 4.47 2256 1.80	16	0548 3.64 1143 1.98 TH 1802 4.45 ☾	1	0031 0.84 0645 4.89 MO 1256 1.30 1857 5.08	16	0024 1.51 0647 4.33 TU 1255 1.98 1844 4.40				
2	0326 3.76 0952 1.68 TU 1634 4.30 ☽ 2314 1.99	17	0024 1.76 0624 3.78 WE 1226 1.64 1848 4.69	2	0456 3.78 1102 1.61 TH 1735 4.75 ☽	17	0045 1.55 0654 3.99 FR 1251 1.72 1859 4.69	2	0102 0.82 0708 4.79 SU 1315 1.05 1921 5.36	17	0121 1.22 0737 4.52 MO 1341 1.58 1935 4.72	2	0130 0.62 0744 5.27 TU 1401 1.08 1954 5.09	17	0110 1.25 0732 4.72 WE 1346 1.69 1932 4.54
3	0509 3.79 1125 1.51 WE 1801 4.66	18	0128 1.43 0727 4.11 TH 1328 1.36 1941 4.97	3	0021 1.40 0621 4.16 FR 1224 1.27 1847 5.16	18	0132 1.26 0739 4.34 SA 1340 1.44 1943 4.89	3	0156 0.49 0801 5.21 MO 1415 0.78 2013 5.47	18	0158 0.99 0812 4.84 TU 1421 1.35 2012 4.82	3	0222 0.46 0834 5.57 WE 1456 0.92 2045 5.05	18	0152 1.00 0813 5.09 TH 1431 1.41 2015 4.66
4	0040 1.59 0632 4.09 TH 1241 1.16 1909 5.14	19	0213 1.14 0812 4.40 FR 1415 1.12 2022 5.17	4	0127 0.94 0725 4.62 SA 1331 0.88 1944 5.52	19	0210 1.02 0816 4.62 SU 1420 1.22 2020 5.03	4	0245 0.28 0848 5.52 TU 1506 0.61 2100 5.47	19	0232 0.80 0845 5.11 WE 1459 1.17 2048 4.87	4	0308 0.40 0919 5.77 TH 1545 0.83 2131 4.97	19	0232 0.78 0851 5.41 FR 1514 1.19 2058 4.75
5	0147 1.12 0737 4.48 FR 1345 0.77 2005 5.58	20	0251 0.94 0848 4.61 SA 1452 0.96 2058 5.28	5	0221 0.54 0817 5.04 SU 1429 0.55 2034 5.76	20	0243 0.85 0848 4.85 MO 1455 1.06 2052 5.09	5	0328 0.18 0931 5.74 WE 1554 0.53 2143 5.37	20	0305 0.65 0917 5.34 TH 1537 1.04 2124 4.88	5	0350 0.40 0959 5.87 FR 1629 0.82 2213 4.85	20	0313 0.60 0931 5.68 SA 1558 1.01 2140 4.81
6	0241 0.70 0831 4.84 SA 1441 0.44 2054 5.91	21	0322 0.83 0919 4.74 SU 1526 0.86 2129 5.32	6	0309 0.25 0904 5.36 MO 1519 0.34 2119 5.86	21	0313 0.73 0917 5.02 TU 1528 0.95 2123 5.10	6	0408 0.17 1012 5.87 TH 1637 0.55 2225 5.20	21	0340 0.56 0952 5.52 FR 1615 0.95 2200 4.85	6	0428 0.47 1038 5.89 SA 1710 0.87 ☽ 2254 4.70	21	0354 0.48 1010 5.90 SU 1642 0.87 2225 4.85
7	0331 0.37 0919 5.14 SU 1533 0.20 2140 6.11	22	0352 0.76 0947 4.84 MO 1556 0.81 2157 5.31	7	0352 0.09 0947 5.61 TU 1606 0.24 2202 5.83	22	0342 0.64 0945 5.17 WE 1601 0.89 2153 5.07	7	0446 0.24 1052 5.89 FR 1720 0.65 ☽ 2307 4.97	22	0415 0.50 1027 5.66 SA 1655 0.92 ☾ 2238 4.78	7	0503 0.60 1116 5.81 SU 1748 0.99 2334 4.53	22	0437 0.41 1051 6.05 MO 1727 0.79 ☾ 2310 4.85
8	0415 0.14 1004 5.38 MO 1621 0.05 2223 6.18	23	0419 0.72 1015 4.92 TU 1625 0.80 2225 5.26	8	0432 0.02 1029 5.76 WE 1651 0.25 ☽ 2244 5.67	23	0411 0.59 1016 5.29 TH 1634 0.88 2224 4.98	8	0522 0.42 1132 5.78 SA 1801 0.84 2348 4.66	23	0451 0.51 1104 5.72 SU 1736 0.95 2319 4.67	8	0538 0.79 1153 5.64 MO 1825 1.15	23	0520 0.41 1134 6.09 TU 1814 0.76 2358 4.81
9	0457 0.01 1049 5.55 TU 1706 0.03 ☽ 2306 6.09	24	0445 0.69 1042 4.99 WE 1656 0.83 ☾ 2252 5.16	9	0510 0.07 1110 5.80 TH 1734 0.38 2326 5.39	24	0442 0.58 1047 5.35 FR 1709 0.92 ☾ 2257 4.86	9	0558 0.69 1212 5.55 SU 1843 1.11	24	0529 0.60 1143 5.69 MO 1820 1.03	9	0011 4.33 0610 1.04 TU 1228 5.40 1902 1.34	24	0605 0.51 1219 6.02 WE 1901 0.80
10	0538 -0.00 1132 5.60 WE 1751 0.17 2348 5.82	25	0512 0.70 1110 5.02 TH 1726 0.92 2320 5.00	10	0548 0.24 1153 5.69 FR 1817 0.65	25	0513 0.63 1120 5.36 SA 1745 1.04 2332 4.66	10	0030 4.32 0633 1.04 MO 1252 5.24 1925 1.40	25	0003 4.51 0609 0.77 TU 1227 5.58 1908 1.15	10	0047 4.13 0643 1.32 WE 1304 5.13 1939 1.53	25	0047 4.72 0652 0.71 TH 1307 5.83 1950 0.90
11	0617 0.14 1217 5.52 TH 1835 0.47	26	0539 0.77 1140 5.00 FR 1758 1.08 2350 4.78	11	0008 4.99 0625 0.55 SA 1235 5.44 1900 1.02	26	0544 0.76 1155 5.29 SU 1823 1.21	11	0113 3.99 0710 1.42 TU 1335 4.90 2013 1.67	26	0052 4.33 0655 1.00 WE 1316 5.40 2001 1.26	11	0127 3.95 0717 1.61 TH 1343 4.84 2021 1.70	26	0141 4.61 0744 0.99 FR 1358 5.56 2043 1.01
12	0032 5.39 0657 0.43 FR 1302 5.29 1921 0.89	27	0607 0.90 1211 4.91 SA 1831 1.30	12	0051 4.51 0703 0.95 SU 1319 5.10 1947 1.42	27	0009 4.42 0618 0.95 MO 1233 5.15 1906 1.40	12	0203 3.70 0754 1.79 WE 1427 4.58 2113 1.85	27	0150 4.17 0749 1.26 TH 1413 5.21 2103 1.32	12	0213 3.79 0800 1.92 FR 1429 4.56 2114 1.82	27	0240 4.52 0842 1.30 SA 1457 5.25 2141 1.10
13	0116 4.86 0737 0.82 SA 1350 4.98 2010 1.36	28	0021 4.50 0636 1.08 SU 1246 4.77 1909 1.55	13	0139 4.04 0744 1.40 MO 1410 4.72 2045 1.76	28	0052 4.16 0658 1.19 TU 1321 4.97 2001 1.59	13	0310 3.53 0857 2.10 TH 1533 4.35 2229 1.87	28	0300 4.11 0857 1.49 FR 1521 5.05 2213 1.26	13	0314 3.70 0900 2.20 SA 1529 4.34 2219 1.85	28	0349 4.51 0951 1.56 SU 1605 4.97 2248 1.11
14	0206 4.30 0824 1.26 SU 1448 4.65 2114 1.77	29	0058 4.20 0711 1.30 MO 1330 4.61 1958 1.79	14	0239 3.66 0839 1.81 TU 1516 4.42 2206 1.94	29	0149 3.92 0751 1.46 WE 1422 4.80 2114 1.66	14	0439 3.56 1028 2.23 FR 1651 4.30 2342 1.72	29	0418 4.21 1017 1.58 SA 1637 4.99 ☽ 2324 1.08	14	0433 3.74 1026 2.33 SU 1641 4.23 ☽ 2327 1.73	29	0506 4.63 1113 1.68 MO 1720 4.79 ☽ 2358 1.04
15	0312 3.83 0927 1.63 MO 1603 4.42 2247 1.94	30	0149 3.90 0802 1.54 TU 1434 4.46 2117 1.93	15	0408 3.48 1005 2.05 WE 1641 4.32 2339 1.83	30	0309 3.80 0909 1.65 TH 1543 4.75 2238 1.53	15	0600 3.82 1155 2.10 SA 1800 4.40 ☽	30	0537 4.50 1140 1.51 SU 1751 5.02	15	0550 3.98 1153 2.23 MO 1748 4.27	30	0621 4.89 1238 1.59 TU 1835 4.72
				31	0442 3.94 1040 1.62 FR 1708 4.88 ☽ 2356 1.20							31	0105 0.90 0728 5.22 WE 1351 1.38 1941 4.73		

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Datum of Predictions is Lowest Astronomical Tide
Moon Symbols

☉ New Moon ☾ First Quarter ☽ Full Moon ☽ Last Quarter

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