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AUSTRALIA, NORTH-WEST COAST – BROOME

2014

LAT 18° 00' LONG 122° 13'

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

Time	m	Time	m	Time	m	Time	m
1	0425 1.80	9	0324 7.61	17	0541 1.72	25	0313 7.32
	1028 8.47	0940 3.24	1140 8.78	0924 3.56			
WE	1642 2.41	TH 1552 7.82	FR 1753 2.19	SA 1541 7.58			
●	2236 9.37	2217 3.75	2343 9.15	2208 3.90			
2	0511 1.22	10	0423 6.85	18	0610 1.55	26	0410 6.64
	1109 9.00	1032 3.99	1207 8.96	1016 4.23			
TH	1729 1.87	FR 1655 7.23	SA 1822 1.99	SU 1654 7.10			
	2318 9.79	2349 4.27					
3	0554 0.85	11	0600 6.33	19	0010 9.25	27	0012 4.27
	1149 9.38	1207 4.50	0638 1.49	0617 6.23			
FR	1812 1.50	SA 1834 6.91	SU 1233 9.07	MO 1236 4.59			
	2358 9.98		1850 1.90	1859 7.03			
4	0634 0.73	12	0158 4.15	20	0036 9.24	28	0205 3.82
	1228 9.59	0805 6.44	0703 1.53	0823 6.62			
SA	1852 1.36	SU 1406 4.44	MO 1259 9.09	TU 1422 4.18			
		2024 7.13	1917 1.93	2039 7.59			
5	0038 9.93	13	0313 3.58	21	0103 9.12	29	0321 3.01
	0712 0.85	0919 6.99	0729 1.69	0933 7.46			
SU	1306 9.59	MO 1521 3.96	TU 1326 9.02	WE 1540 3.40			
	1930 1.46	2128 7.65	1944 2.08	2144 8.41			
6	0117 9.63	14	0400 2.97	22	0131 8.87	30	0417 2.13
	0749 1.21	1003 7.58	0754 1.98	1021 8.32			
MO	1344 9.40	TU 1609 3.40	WE 1354 8.82	TH 1635 2.52			
	2008 1.81	2209 8.18	2013 2.37	2231 9.19			
7	0157 9.10	15	0437 2.44	23	0201 8.48	31	0503 1.36
	0824 1.76	1039 8.09	0820 2.40	1101 9.07			
TU	1423 9.00	WE 1648 2.90	TH 1424 8.51	FR 1722 1.74			
	2046 2.36	2244 8.62	2043 2.79	● 2313 9.78			
8	0239 8.40	16	0511 2.02	24	0234 7.95		
	0901 2.46	1110 8.49	0849 2.94	0849 2.94			
WE	1505 8.45	TH 1722 2.49	FR 1458 8.08	● 2118 3.32			
●	2127 3.04	○ 2315 8.94					

FEBRUARY

Time	m	Time	m	Time	m	Time	m
1	0545 0.80	9	0432 6.28	17	0619 1.30	25	0515 6.17
	1139 9.63	1023 4.64	1212 9.42	1136 4.80			
SA	1803 1.16	SU 1706 6.62	MO 1833 1.46	TU 1819 6.75			
	2351 10.11						
2	0623 0.52	10	0059 4.71	18	0019 9.50	26	0141 4.17
	1214 9.97	0718 5.94	0645 1.24	0813 6.45			
SU	1841 0.87	MO 1321 4.97	TU 1237 9.53	1411 4.42			
		1956 6.51	1859 1.39	2033 7.29			
3	0026 10.17	11	0305 4.15	19	0045 9.47	27	0312 3.31
	0658 0.53	0914 6.57	0710 1.34	0926 7.42			
MO	1248 10.07	TU 1514 4.41	WE 1302 9.52	1535 3.45			
	1917 0.89	2121 7.14	1926 1.49	2138 8.24			
4	0102 9.95	12	0351 3.44	20	0112 9.28	28	0406 2.34
	0731 0.82	0954 7.29	0735 1.60	1009 8.41			
TU	1323 9.91	WE 1559 3.71	TH 1328 9.35	1626 2.41			
	1950 1.21	2201 7.82	1953 1.77	2222 9.11			
5	0137 9.48	13	0425 2.79	21	0141 8.91		
	0802 1.36	1026 7.94	0759 2.03				
WE	1357 9.49	TH 1635 3.05	FR 1357 9.02				
	2022 1.79	2232 8.41	2020 2.23				
6	0213 8.79	14	0456 2.23	22	0212 8.36		
	0832 2.08	1054 8.47	0824 2.60				
TH	1432 8.87	FR 1707 2.49	SA 1428 8.52				
	2054 2.56	2301 8.87	2051 2.85				
7	0249 7.96	15	0525 1.80	23	0247 7.67		
	0901 2.92	1122 8.89	0853 3.30				
FR	1507 8.11	SA 1737 2.03	SU 1505 7.88				
	● 2128 3.42	○ 2329 9.19	● 2131 3.60				
8	0330 7.09	16	0553 1.48	24	0333 6.87		
	0933 3.80	1147 9.20	0933 4.10				
SA	1550 7.32	SU 1805 1.68	MO 1602 7.17				
	2213 4.26	2354 9.40	2252 4.33				

MARCH

Time	m	Time	m	Time	m	Time	m
1	0449 1.48	9	0254 7.32	17	0528 1.60	25	0320 6.99
	1046 9.26	0854 3.68	1120 9.36	0919 4.15			
SA	1709 1.52	SU 1504 7.43	MO 1742 1.49	TU 1545 7.14			
●	2301 9.75	2121 4.04	○ 2332 9.42	2229 4.29			
2	0529 0.87	10	0339 6.49	18	0555 1.33	26	0457 6.33
	1120 9.87	0924 4.55	1146 9.65	1016 4.83			
SU	1748 0.89	MO 1558 6.61	TU 1810 1.18	WE 1801 6.67			
	2336 10.12	2221 4.85	2359 9.58				
3	0605 0.55	11	0529 5.85	19	0622 1.21	27	0114 4.28
	1153 10.22	1210 5.25	1211 9.82	0750 6.58			
MO	1824 0.59	TU 1831 6.16	WE 1838 1.06	TH 1402 4.37			
				2018 7.21			
4	0009 10.20	12	0243 4.60	20	0026 9.59	28	0252 3.49
	0638 0.54	0858 6.32	0648 1.27	0823 6.56			
TU	1225 10.31	WE 1458 4.70	TH 1237 9.83	FR 1521 3.34			
	1857 0.62	2102 6.76	1906 1.14	2121 8.12			
5	0043 10.01	13	0331 3.86	21	0053 9.43	29	0346 2.57
	0709 0.80	0934 7.10	0713 1.51	0947 8.53			
WE	1257 10.13	TH 1540 3.93	FR 1304 9.65	SA 1609 2.31			
	1928 0.95	2140 7.50	1933 1.45	2204 8.94			
6	0116 9.58	14	0402 3.16	22	0123 9.07	30	0429 1.77
	0737 1.30	1002 7.81	0739 1.95	1024 9.33			
TH	1328 9.69	FR 1613 3.19	SA 1334 9.26	SU 1650 1.47			
	1956 1.54	2211 8.16	2002 1.97	2242 9.52			
7	0148 8.94	15	0432 2.54	23	0156 8.51	31	0507 1.21
	0804 2.00	1030 8.44	0806 2.56	1058 9.88			
FR	1400 9.05	SA 1644 2.52	SU 1406 8.68	MO 1728 0.92			
	2024 2.31	2239 8.71	2034 2.67	● 2317 9.85			
8	0220 8.17	16	0500 2.01	24	0232 7.80		
	0829 2.81	1055 8.95	0836 3.31				
SA	1430 8.27	SU 1713 1.94	MO 1445 7.95				
●	2051 3.16	2306 9.13	● 2113 3.50				

APRIL

Time	m	Time	m	Time	m	Time	m
1	0542 0.92	9	0428 6.16	17	0558 1.41	25	0034 4.15
	1129 10.17	1006 5.10	1145 9.88	0700 6.87			
TU	1802 0.68	WE 1708 6.20	TH 1817 0.98	FR 1333 4.16			
	2350 9.92			1944 7.16			
2	0614 0.90	10	0101 4.89	18	0006 9.49	26	0213 3.64
	1200 10.21	0742 6.14	0627 1.42	0829 7.62			
WE	1834 0.73	TH 1400 4.93	FR 1214 9.90	SA 1454 3.29			
		2007 6.42	1847 1.06	2054 7.88			
3	0022 9.77	11	0243 4.31	19	0037 9.35	27	0315 2.92
	0644 1.12	0854 6.85	0656 1.63	0919 8.44			
TH	1231 10.02	FR 1503 4.18	SA 1245 9.71	SU 1545 2.41			
	1904 1.05	2104 7.11	1918 1.38	2141 8.55			
4	0054 9.41	12	0324 3.64	20	0110 9.03	28	0402 2.27
	0712 1.54	0927 7.58	0725 2.04	0958 9.11			
FR	1302 9.61	SA 1539 3.42	SU 1318 9.29	MO 1627 1.71			
	1932 1.57	2139 7.78	1950 1.92	2221 9.04			
5	0126 8.89	13	0357 3.00	21	0147 8.51	29	0442 1.79
	0739 2.13	0955 8.25	0757 2.63	1033 9.56			
SA	1332 9.01	SU 1611 2.68	MO 1356 8.67	TU 1706 1.25			
	1958 2.25	2209 8.37	2026 2.61	● 2257 9.32			
6	0158 8.23	14	0428 2.43	22	0229 7.87	30	0519 1.53
	0804 2.84	1023 8.84	0834 3.34	1106 9.79			
SU	1401 8.31	MO 1643 2.03	TU 1441 7.92	1741 1.06			
	2024 3.01	2238 8.86	● 2112 3.39	2331 9.41			
7	0231 7.51	15	0458 1.94	23	0324 7.19		
	0829 3.60	1049 9.33	0928 4.10				
MO	1434 7.54	TU 1715 1.50	WE 1550 7.16				
	● 2053 3.79	○ 2307 9.22	2230 4.07				
8	0312 6.78	16	0528 1.59	24	0451 6.71		
	0859 4.38	1117 9.68	1125 4.56				
TU	1519 6.77	WE 1746 1.13	TH 1747 6.80				
	2136 4.56	2336 9.43					

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National Tidal Centre

Height datum is Chart Datum

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

AUSTRALIA, NORTH-WEST COAST – BROOME

LAT 18° 00' LONG 122° 13'

2014

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

Time	m	Time	m	Time	m	Time	m
1	0552 1.46 1138 9.82 TH 1812 1.10	9	0520 6.38 1204 4.89 FR 1806 6.31	17	0610 1.62 1157 9.79 SA 1833 1.09	25	0118 3.77 0739 7.50 SU 1418 3.40 2020 7.46
2	0004 9.32 0623 1.59 FR 1209 9.66 1843 1.34	10	0101 4.58 0723 6.61 SA 1354 4.41 1957 6.68	18	0025 9.19 0645 1.73 SU 1233 9.63 1909 1.35	26	0236 3.36 0845 8.06 MO 1518 2.72 2117 7.96
3	0036 9.08 0652 1.87 SA 1240 9.34 1911 1.74	11	0220 4.11 0832 7.21 SU 1451 3.70 2053 7.27	19	0103 8.97 0720 2.04 MO 1311 9.26 1946 1.81	27	0333 2.86 0933 8.58 TU 1604 2.14 2202 8.39
4	0109 8.72 0720 2.30 SU 1311 8.88 1939 2.25	12	0308 3.53 0912 7.88 MO 1532 2.96 2132 7.87	20	0143 8.60 0758 2.51 TU 1354 8.70 2026 2.40	28	0419 2.43 1013 8.97 WE 1645 1.74 2240 8.68
5	0141 8.25 0747 2.83 MO 1342 8.33 2006 2.84	13	0347 2.94 0945 8.51 TU 1609 2.26 2207 8.40	21	0229 8.12 0841 3.09 WE 1444 8.04 2114 3.05	29	0458 2.14 1049 9.20 TH 1722 1.53 2316 8.84
6	0215 7.72 0815 3.42 TU 1415 7.71 2036 3.46	14	0424 2.41 1017 9.06 WE 1645 1.67 2241 8.83	22	0323 7.62 0938 3.68 TH 1549 7.39 2219 3.62	30	0534 1.98 1122 9.29 FR 1755 1.49 2351 8.86
7	0255 7.17 0848 4.04 WE 1458 7.07 2116 4.08	15	0500 1.98 1050 9.48 TH 1721 1.25 2315 9.11	23	0433 7.23 1104 4.07 FR 1719 6.99 2348 3.90	31	0607 1.97 1154 9.24 SA 1826 1.60
8	0350 6.67 0940 4.63 TH 1609 6.51 2229 4.60	16	0535 1.71 1123 9.74 FR 1757 1.05 2350 9.24	24	0607 7.16 1248 3.95 SA 1859 7.04		

JUNE

Time	m	Time	m	Time	m	Time	m
1	0023 8.78 0637 2.08 SU 1225 9.07 1856 1.82	9	0044 4.33 0703 6.91 MO 1345 3.94 1947 6.76	17	0057 9.11 0719 1.71 TU 1307 9.38 1942 1.45	25	0309 3.44 0914 7.90 WE 1547 2.64 2148 7.75
2	0055 8.60 0706 2.30 MO 1256 8.79 1924 2.14	10	0202 3.96 0813 7.41 TU 1445 3.27 2050 7.28	18	0138 8.93 0758 2.00 WE 1351 8.93 2022 1.91	26	0402 2.98 1000 8.32 TH 1630 2.19 2230 8.14
3	0127 8.33 0735 2.62 TU 1327 8.43 1953 2.53	11	0301 3.44 0905 8.02 WE 1534 2.57 2137 7.84	19	0221 8.60 0841 2.46 TH 1437 8.34 2105 2.49	27	0444 2.58 1038 8.65 FR 1708 1.88 2307 8.42
4	0158 8.01 0804 3.02 WE 1359 7.99 2022 2.97	12	0350 2.88 0948 8.63 TH 1618 1.94 2219 8.35	20	0308 8.16 0928 3.01 FR 1531 7.69 2154 3.10	28	0522 2.28 1113 8.87 SA 1743 1.70 2340 8.59
5	0234 7.64 0836 3.46 TH 1437 7.49 2057 3.45	13	0435 2.36 1029 9.13 FR 1701 1.44 2259 8.75	21	0403 7.69 1030 3.54 SA 1641 7.11 2258 3.64	29	0555 2.09 1144 8.97 SU 1814 1.65
6	0315 7.25 0917 3.93 FR 1525 6.98 2141 3.93	14	0518 1.93 1108 9.50 SA 1743 1.12 2339 9.03	22	0515 7.32 1158 3.82 SU 1811 6.80	30	0012 8.66 0626 2.02 MO 1214 8.96 1844 1.71
7	0409 6.90 1017 4.33 SA 1636 6.55 2250 4.31	15	0600 1.67 1147 9.67 SU 1824 1.02	23	0024 3.92 0645 7.21 MO 1338 3.66 1943 6.89		
8	0529 6.72 1214 4.40 SU 1818 6.45	16	0018 9.15 0640 1.59 MO 1226 9.63 1904 1.14	24	0155 3.83 0811 7.46 TU 1454 3.17 2056 7.29		

JULY

Time	m	Time	m	Time	m	Time	m
1	0041 8.65 0655 2.06 TU 1243 8.85 1911 1.85	9	0054 4.25 0711 6.98 WE 1401 3.58 2008 6.72	17	0124 9.41 0750 1.31 TH 1338 9.26 2008 1.36	25	0352 3.32 0954 7.84 FR 1621 2.49 2222 7.85
2	0109 8.56 0723 2.19 WE 1311 8.64 1938 2.08	10	0217 3.85 0829 7.50 TH 1505 2.90 2115 7.33	18	0203 9.11 0827 1.75 FR 1420 8.66 2044 1.97	26	0435 2.77 1031 8.32 SA 1657 2.04 2256 8.28
3	0138 8.40 0751 2.42 TH 1342 8.35 2005 2.39	11	0324 3.25 0928 8.17 FR 1600 2.19 2205 7.98	19	0243 8.62 0907 2.39 SA 1504 7.92 2123 2.70	27	0510 2.32 1103 8.68 SU 1729 1.72 2327 8.59
4	0208 8.16 0820 2.74 FR 1413 7.95 2034 2.78	12	0420 2.58 1016 8.82 SA 1649 1.55 2249 8.58	20	0327 7.99 0951 3.13 SU 1557 7.15 2209 3.47	28	0542 1.98 1133 8.92 MO 1800 1.53 2355 8.78
5	0241 7.83 0853 3.14 SA 1450 7.46 2107 3.25	13	0508 1.95 1100 9.35 SU 1734 1.06 2329 9.05	21	0422 7.33 1058 3.81 MO 1716 6.51 2323 4.12	29	0612 1.76 1200 9.02 TU 1828 1.45
6	0319 7.45 0933 3.59 SU 1536 6.94 2148 3.75	14	0553 1.46 1141 9.68 MO 1816 0.78	22	0547 6.83 1258 4.04 TU 1907 6.32	30	0022 8.89 0640 1.65 WE 1227 9.03 1854 1.48
7	0409 7.07 1032 4.00 MO 1647 6.49 2255 4.19	15	0008 9.36 0633 1.16 TU 1220 9.78 1854 0.74	23	0117 4.29 0742 6.81 WE 1439 3.64 2047 6.72	31	0047 8.91 0706 1.66 TH 1253 8.94 1918 1.61
8	0533 6.83 1234 4.07 TU 1836 6.37	16	0046 9.49 0712 1.10 WE 1259 9.64 1932 0.94	24	0255 3.90 0905 7.28 TH 1538 3.04 2143 7.31		

AUGUST

Time	m	Time	m	Time	m	Time	m
1	0113 8.84 0732 1.79 FR 1320 8.72 1944 1.86	9	0311 3.47 0919 7.87 SA 1549 2.35 2156 7.89	17	0213 8.92 0839 2.02 SU 1434 8.07 2049 2.53	25	0454 2.25 1048 8.64 MO 1710 1.74 2307 8.73
2	0140 8.67 0759 2.05 SA 1349 8.37 2009 2.23	10	0411 2.58 1009 8.70 SU 1639 1.55 2238 8.69	18	0249 8.15 0913 2.90 MO 1517 7.19 2124 3.43	26	0524 1.80 1115 8.97 TU 1739 1.44 2333 9.02
3	0208 8.36 0827 2.45 SU 1420 7.89 2036 2.72	11	0459 1.74 1051 9.38 MO 1722 0.91 2317 9.32	19	0332 7.31 0957 3.80 TU 1617 6.37 2213 4.29	27	0552 1.47 1141 9.16 WE 1806 1.28 2358 9.21
4	0240 7.94 0900 2.96 MO 1457 7.31 2107 3.31	12	0542 1.06 1130 9.82 TU 1802 0.52 2353 9.75	20	0442 6.54 1209 4.42 WE 1825 5.92	28	0619 1.27 1207 9.24 TH 1831 1.23
5	0317 7.44 0941 3.55 TU 1546 6.67 2152 3.95	13	0621 0.64 1207 10.00 WE 1839 0.41	21	0047 4.72 0714 6.28 TH 1434 4.04 2047 6.39	29	0021 9.30 0645 1.20 FR 1232 9.20 1856 1.32
6	0414 6.91 1103 4.09 WE 1724 6.16 2338 4.46	14	0028 9.94 0657 0.54 TH 1243 9.88 1913 0.58	22	0253 4.22 0902 6.87 FR 1530 3.35 2136 7.12	30	0046 9.27 0711 1.29 SA 1258 9.03 1920 1.55
7	0614 6.65 1326 3.90 TH 1939 6.31	15	0102 9.86 0732 0.76 FR 1319 9.50 1946 1.03	23	0345 3.49 0946 7.57 SA 1608 2.70 2209 7.78	31	0112 9.11 0737 1.56 SU 1325 8.69 1944 1.94
8	0147 4.19 0807 7.07 FR 1448 3.20 2105 7.04	16	0137 9.51 0806 1.27 SA 1356 8.87 2017 1.70	24	0421 2.82 1018 8.17 SU 1640 2.16 2239 8.32		

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Height datum is Chart Datum

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◐ First Quarter

○ Full Moon

◑ Last Quarter

AUSTRALIA, NORTH-WEST COAST – BROOME

2014

LAT 18° 00' LONG 122° 13'

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

Time	m	Time	m	Time	m	Time	m
1	0139 8.78	9	0445 1.48	17	0251 7.33	25	0527 1.33
MO	0803 1.99	TU	1037 9.43	WE	0913 3.75	TH	1118 9.20
	1355 8.20	○	1705 0.91		1533 6.45		1740 1.34
	2010 2.47	○	2258 9.64		2124 4.36		2330 9.46
2	0208 8.31	10	0525 0.76	18	0346 6.46	26	0555 1.06
TU	0832 2.59		1115 9.89		1018 4.60		1144 9.33
●	1429 7.56	WE	1743 0.51	TH	1722 5.85	FR	1806 1.24
○	2037 3.13		2332 10.07				2355 9.60
3	0242 7.70	11	0602 0.35	19	0003 5.02	27	0622 0.95
MO	0908 3.30		1149 10.06		0620 5.99		1210 9.34
	1512 6.83	TH	1818 0.41	FR	1415 4.41	SA	1832 1.29
	2114 3.88				2034 6.25		
4	0330 7.00	12	0004 10.23	20	0244 4.45	28	0019 9.60
TH	1009 4.05		0638 0.29		0848 6.59		0649 1.02
	1632 6.14	FR	1223 9.94	SA	1511 3.70	SU	1237 9.19
	2235 4.60		1850 0.60		2117 7.03		1857 1.51
5	0528 6.45	13	0037 10.10	21	0327 3.67	29	0046 9.42
FR	1300 4.16		0710 0.56		0927 7.34		0716 1.31
	1923 6.18	SA	1257 9.56	SU	1545 3.03	MO	1306 8.88
			1921 1.05		2146 7.74		1923 1.91
6	0135 4.40	14	0109 9.70	22	0359 2.94	30	0114 9.07
SA	0758 6.84		0741 1.12		0957 8.00		0743 1.79
	1436 3.41	SU	1331 8.95	MO	1616 2.44	TU	1337 8.38
	2056 7.06		1950 1.73		2213 8.35		1949 2.47
7	0305 3.49	15	0142 9.04	23	0430 2.29		
SU	0912 7.77		0810 1.90		1025 8.54		
	1537 2.47	MO	1406 8.16	TU	1644 1.95		
	2143 8.06		2019 2.56		2240 8.84		
8	0400 2.44	16	0215 8.22	24	0458 1.75		
MO	0958 8.70		0840 2.81		1052 8.94		
	1623 1.59	TU	1444 7.30	WE	1713 1.59		
	2222 8.95	○	2048 3.46	●	2306 9.21		

OCTOBER

Time	m	Time	m	Time	m	Time	m
1	0144 8.53	9	0506 0.76	17	0307 6.65	25	0529 1.07
WE	0813 2.44		1056 9.72		0928 4.40		1122 9.24
	1411 7.73	TH	1720 0.88	FR	1623 6.17	SA	1741 1.50
	2018 3.16		2308 10.13		2211 5.00		2329 9.71
2	0220 7.84	10	0541 0.42	18	0455 6.03	26	0559 0.91
	0849 3.22		1129 9.86		1245 4.75		1150 9.31
TH	1456 6.98	FR	1755 0.79	SA	1912 6.14	SU	1810 1.49
●	2056 3.94		2340 10.23				2357 9.74
3	0309 7.05	11	0615 0.41	19	0157 4.76	27	0629 0.96
	0948 4.03		1203 9.76		0758 6.27		1220 9.21
FR	1616 6.31	SA	1827 0.96	SU	1427 4.21	MO	1839 1.66
	2223 4.68				2037 6.83		
4	0507 6.43	12	0012 10.07	20	0255 4.00	28	0026 9.58
	1231 4.27		0647 0.70		0854 6.96		0659 1.24
SA	1858 6.36	SU	1237 9.43	MO	1509 3.57	TU	1252 8.94
			1857 1.36		2112 7.54		1908 2.02
5	0123 4.42	13	0045 9.66	21	0328 3.25	29	0057 9.23
	0743 6.81		0717 1.23		0928 7.64		0730 1.71
SU	1414 3.59	MO	1311 8.91	TU	1541 2.98	WE	1326 8.50
	2034 7.25		1926 1.95		2141 8.19		1938 2.54
6	0251 3.43	14	0116 9.05	22	0359 2.55	30	0132 8.67
	0855 7.73		0746 1.94		0957 8.22		0803 2.36
MO	1515 2.70	TU	1345 8.24	WE	1612 2.45	TH	1406 7.93
	2121 8.24		1955 2.68		2209 8.75		2013 3.19
7	0343 2.35	15	0148 8.29	23	0429 1.93	31	0213 7.96
	0940 8.62		0814 2.75		1026 8.69		0843 3.11
TU	1602 1.87	WE	1422 7.50	TH	1642 2.01	FR	1455 7.30
	2159 9.11		2023 3.48		2235 9.20	●	2100 3.91
8	0426 1.42	16	0222 7.46	24	0459 1.42		
	1019 9.31		0844 3.59		1054 9.03		
WE	1642 1.24	TH	1506 6.77	FR	1712 1.68		
○	2235 9.76	●	2057 4.29	●	2302 9.52		

NOVEMBER

Time	m	Time	m	Time	m	Time	m
1	0309 7.19	9	0556 0.80	17	0543 6.13	25	0615 1.01
SA	0945 3.84		1147 9.40		1240 4.63		1209 9.16
	1610 6.77	SU	1807 1.49	MO	1902 6.58	TU	1827 1.81
	2229 4.49		2353 9.80				
2	0451 6.62	10	0628 1.02	18	0147 4.45	26	0014 9.65
SU	1146 4.16		1221 9.20		0751 6.46		0650 1.19
	1810 6.74	MO	1839 1.75	TU	1405 4.22	WE	1244 9.04
					2018 7.14		1902 2.03
3	0050 4.29	11	0026 9.49	19	0244 3.75	27	0050 9.37
MO	0705 6.82		0659 1.42		0847 7.06		0725 1.57
	1330 3.78	TU	1255 8.84	WE	1455 3.68	TH	1322 8.75
	1952 7.38		1909 2.17		2100 7.77		1938 2.41
4	0223 3.46	12	0057 9.01	20	0323 3.02	28	0129 8.89
	0827 7.54		0728 1.97		0925 7.67		0802 2.11
TU	1443 3.11	WE	1330 8.38	TH	1533 3.13	FR	1404 8.35
	2051 8.22		1939 2.71		2133 8.38		2018 2.92
5	0319 2.51	13	0130 8.42	21	0357 2.33	29	0213 8.27
	0918 8.29		0756 2.60		0958 8.20		0845 2.74
WE	1534 2.42	TH	1405 7.84	FR	1609 2.63	SA	1453 7.88
	2134 8.97		2008 3.33		2205 8.91	●	2107 3.50
6	0404 1.69	14	0203 7.75	22	0432 1.74	30	0308 7.57
	0959 8.89		0826 3.26		1030 8.64		0938 3.38
TH	1618 1.87	FR	1445 7.28	SA	1644 2.20	SU	1554 7.44
	2212 9.52	●	2042 3.96	●	2236 9.33		2216 3.99
7	0444 1.12	15	0243 7.07	23	0506 1.30		
	1037 9.27		0902 3.92		1102 8.96		
FR	1658 1.53	SA	1538 6.77	SU	1718 1.90		
○	2247 9.84		2131 4.57		2308 9.62		
8	0522 0.82	16	0347 6.44	24	0540 1.05		
	1113 9.43		1004 4.51		1135 9.14		
SA	1734 1.40	SU	1659 6.44	MO	1753 1.77		
	2320 9.93		2343 4.90		2340 9.73		

DECEMBER

Time	m	Time	m	Time	m	Time	m
1	0425 6.98	9	0615 1.32	17	0542 6.23	25	0009 9.77
	1056 3.86		1211 9.00		1208 4.58		0645 9.99
MO	1718 7.21	TU	1827 2.01	WE	1835 6.82	TH	1239 9.31
							1901 1.72
2	0000 4.10	10	0014 9.32	18	0132 4.26	26	0047 9.65
	0613 6.80		0646 1.53		0736 6.44		0722 1.20
TU	1232 3.93	WE	1244 8.86	TH	1344 4.33	FR	1317 9.24
	1855 7.40		1858 2.21		1958 7.22		1939 1.90
3	0142 3.66	11	0045 9.05	19	0237 3.61	27	0127 9.31
	0748 7.14		0715 1.86		0846 6.97		0759 1.59
WE	1358 3.63	TH	1316 8.62	FR	1446 3.85	SA	1357 9.00
	2013 7.91		1928 2.52		2054 7.81		2018 2.27
4	0253 2.94	12	0116 8.67	20	0324 2.89	28	0208 8.77
	0854 7.71		0743 2.27		0931 7.58		0838 2.14
TH	1505 3.13	FR	1349 8.29	SA	1536 3.28	SU	1439 8.62
	2109 8.49		1957 2.92		2137 8.42		2100 2.78
5	0344 2.24	13	0148 8.20	21	0407 2.20	29	0255 8.09
	0943 8.25		0811 2.75		1011 8.15		0920 2.79
FR	1557 2.63	SA	1422 7.92	SU	1620 2.74	MO	1528 8.13
	2153 8.97		2027 3.37		2216 8.98	●	2151 3.37
6	0428 1.70	14	0222 7.67	22	0447 1.62	30	0352 7.37
	1025 8.67		0841 3.26		1048 8.64		1012 3.47
SA	1639 2.25	SU	1500 7.51	MO	1702 2.26	TU	1628 7.64
○	2232 9.30	●	2103 3.86	●	2254 9.42		2303 3.88
7	0506 1.37	15	0302 7.10	23	0527 1.21	31	0514 6.80
	1102 8.92		0917 3.81		1125 9.00		1129 4.00
SU	1719 2.01	MO	1547 7.10	TU	1743 1.91	WE	1753 7.32
	2308 9.46		2152 4.33		2332 9.69		
8	0542 1.25	16	0400 6.55	24	0607 0.99		
	1137 9.03		1011 4.32		1202 9.23		
MO	1754 1.94	TU	1657 6.80	WE	1822 1.72		
	2341 9.46		2334 4.61				

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Bureau of Meteorology

National Tidal Centre

Height datum is Chart Datum

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter