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# AUSTRALIA, NORTH-WEST COAST – BROOME

# 2015

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	0050 3.98	9	0035 9.21	17	0141 4.17	25	0117 9.79
	0700 6.67		0703 1.62		0751 6.37		0747 1.05
TH	1307 4.15	FR	1301 8.96	SA	1353 4.44	SU	1340 9.67
	1930 7.40		1916 2.13		2009 7.23		2006 1.53
2	0227 3.55	10	0103 9.02	18	0253 3.48	26	0155 9.29
	0834 7.04		0728 1.85		0908 7.01		0821 1.60
FR	1439 3.85	SA	1328 8.81	SU	1507 3.85	MO	1418 9.27
	2050 7.81		1942 2.34		2115 7.91		2043 2.09
3	0330 2.91	11	0130 8.72	19	0348 2.69	27	0235 8.57
	0933 7.61		0754 2.17		0957 7.75		0855 2.33
SA	1542 3.33	SU	1356 8.57	MO	1604 3.14	TU	1458 8.66
	2144 8.33		2009 2.66		2204 8.64	☉	2121 2.84
4	0417 2.32	12	0159 8.31	20	0435 1.93	28	0319 7.73
	1018 8.14		0819 2.59		1037 8.46		0933 3.17
SU	1630 2.82	MO	1427 8.24	TU	1651 2.43	WE	1544 7.94
	2226 8.77		2039 3.07	☉	2246 9.28		2210 3.65
5	0457 1.87	13	0231 7.80	21	0518 1.30	29	0417 6.88
	1056 8.56		0846 3.09		1115 9.06		1024 4.01
MO	1710 2.42	TU	1500 7.82	WE	1736 1.81	TH	1649 7.23
	2303 9.08	☉	2112 3.56		2325 9.76		2347 4.29
6	0533 1.59	14	0307 7.21	22	0558 0.86	30	0602 6.30
	1130 8.83		0919 3.67		1153 9.51		1213 4.59
TU	1746 2.15	WE	1540 7.37	TH	1816 1.36	FR	1840 6.86
	2335 9.26		2156 4.08				
7	0605 1.47	15	0358 6.61	23	0002 10.02	31	0208 4.15
	1202 8.98		1004 4.26		0636 0.67		0822 6.48
WE	1818 2.02	TH	1643 6.95	FR	1228 9.79	SA	1422 4.43
			2331 4.48		1854 1.15		2041 7.17
8	0006 9.29	16	0543 6.17	24	0040 10.04		
	0636 1.49		1158 4.68		0713 0.73		
TH	1232 9.02	FR	1833 6.84	SA	1304 9.85		
	1847 2.02				1931 1.20		

## FEBRUARY

Time	m	Time	m	Time	m	Time	m
1	0324 3.48	9	0111 9.14	17	0333 3.05	25	0213 8.83
	0931 7.17		0732 1.72		0943 7.59		0830 2.12
SU	1536 3.79	MO	1329 9.11	TU	1552 3.31	WE	1429 8.93
	2142 7.81		1948 2.00		2153 8.43		2053 2.53
2	0411 2.78	10	0137 8.82	18	0423 2.14	26	0251 7.94
	1013 7.86		0756 2.08		1024 8.50		0901 3.05
MO	1623 3.13	TU	1356 8.83	WE	1641 2.36	TH	1507 8.06
	2222 8.41		2014 2.38		2235 9.25	☉	2130 3.48
3	0449 2.20	11	0205 8.36	19	0506 1.34	27	0337 7.00
	1048 8.41		0820 2.57		1101 9.28		0938 4.01
TU	1701 2.57	WE	1423 8.42	TH	1724 1.53	FR	1557 7.17
	2256 8.87		2042 2.89	☉	2314 9.86		2229 4.40
4	0522 1.78	12	0234 7.78	20	0545 0.76	28	0459 6.20
	1118 8.82		0845 3.17		1136 9.87		1101 4.86
WE	1734 2.14	TH	1454 7.90	FR	1803 0.93	SA	1743 6.50
	2326 9.18	☉	2114 3.50		2351 10.22		
5	0553 1.51	13	0311 7.10	21	0621 0.46		
	1147 9.10		0916 3.84		1210 10.23		
TH	1805 1.86	FR	1535 7.32	SA	1840 0.62		
	2353 9.35		2202 4.16				
6	0620 1.38	14	0408 6.40	22	0026 10.29		
	1214 9.25		1007 4.56		0656 0.46		
FR	1833 1.70	SA	1654 6.78	SU	1244 10.32		
					1915 0.65		
7	0020 9.40	15	0036 4.52	23	0101 10.08		
	0645 1.38		0641 6.05		0728 0.76		
SA	1240 9.31	SU	1302 4.82	MO	1318 10.13		
	1859 1.68		1923 6.81		1948 1.02		
8	0045 9.33	16	0225 3.94	24	0136 9.57		
	0709 1.49		0850 6.67		0759 1.34		
SU	1304 9.27	MO	1445 4.21	TU	1353 9.65		
	1923 1.77		2100 7.53		2020 1.67		

## MARCH

Time	m	Time	m	Time	m	Time	m
1	0146 4.60	9	0024 9.48	17	0153 4.19	25	0116 9.57
	0814 6.19		0647 1.36		0824 6.63		0737 1.42
SU	1417 4.79	MO	1238 9.58	TU	1427 4.31	WE	1328 9.72
	2036 6.73		1902 1.38		2041 7.35		1958 1.57
2	0317 3.89	10	0049 9.36	18	0313 3.29	26	0152 8.87
	0924 6.98		0710 1.53		0923 7.65		0806 2.18
MO	1530 4.02	TU	1302 9.47	WE	1537 3.27	TH	1403 8.96
	2134 7.47		1926 1.57		2136 8.32		2029 2.44
3	0359 3.14	11	0115 9.10	19	0403 2.33	27	0229 8.03
	1000 7.73		0732 1.86		1004 8.64		0836 3.08
TU	1611 3.27	WE	1327 9.21	TH	1624 2.22	FR	1439 8.07
	2209 8.15		1951 1.94		2219 9.18	☉	2102 3.39
4	0432 2.50	12	0142 8.68	20	0446 1.49	28	0312 7.15
	1030 8.37		0756 2.33		1040 9.48		0909 4.02
WE	1644 2.62	TH	1354 8.79	FR	1706 1.32	SA	1524 7.16
	2240 8.70		2018 2.46	☉	2257 9.82		2146 4.31
5	0503 2.00	13	0212 8.11	21	0524 0.88	29	0419 6.36
	1058 8.86		0820 2.94		1115 10.09		1009 4.89
TH	1715 2.10	FR	1424 8.24	SA	1745 0.71	SU	1654 6.41
	2308 9.10		2048 3.13		2333 10.18		
6	0532 1.64	14	0246 7.43	22	0601 0.57	30	0040 4.82
	1125 9.21		0848 3.65		1148 10.44		0712 6.10
FR	1744 1.72	SA	1500 7.58	SU	1821 0.42	MO	1348 4.97
	2335 9.35	☉	2127 3.87				2001 6.44
7	0558 1.42	15	0334 6.67	23	0007 10.25	31	0250 4.26
	1150 9.44		0931 4.43		0634 0.57		0859 6.83
SA	1812 1.47	SU	1604 6.88	MO	1221 10.49	TU	1509 4.21
			2307 4.54		1854 0.49		2109 7.15
8	0000 9.47	16	0537 6.11	24	0042 10.04		
	0623 1.33		1217 4.95		0706 0.86		
SU	1214 9.56	MO	1843 6.64	TU	1254 10.25		
	1837 1.35				1927 0.89		

## APRIL

Time	m	Time	m	Time	m	Time	m
1	0333 3.55	9	0055 9.13	17	0335 2.61	25	0213 8.08
	0934 7.57		0712 1.88		0936 8.68		0819 3.11
WE	1547 3.46	TH	1303 9.36	FR	1601 2.19	SA	1419 8.05
	2145 7.83		1932 1.76		2157 8.94		2043 3.26
2	0406 2.92	10	0125 8.76	18	0421 1.85	26	0256 7.36
	1004 8.23		0737 2.32		1014 9.46		0853 3.91
TH	1619 2.78	FR	1332 8.94	SA	1644 1.36	SU	1504 7.25
	2216 8.41		2000 2.28		2236 9.51	☉	2124 4.05
3	0435 2.39	11	0156 8.24	19	0501 1.30	27	0353 6.71
	1031 8.76		0804 2.91		1050 10.01		0945 4.65
FR	1649 2.21	SA	1405 8.38	SU	1723 0.82	MO	1615 6.57
	2244 8.85		2032 2.94	☉	2313 9.83		2255 4.67
4	0504 1.98	12	0234 7.60	20	0538 1.01	28	0527 6.32
	1057 9.17		0836 3.60		1124 10.29		1218 4.97
SA	1718 1.75	SU	1446 7.69	MO	1800 0.59	TU	1819 6.31
	2311 9.15	☉	2115 3.68		2348 9.89		
5	0531 1.68	13	0327 6.91	21	0612 0.99	29	0132 4.58
	1122 9.46		0926 4.34		1158 10.29		0756 6.59
SU	1746 1.43	MO	1553 6.98	TU	1834 0.69	WE	1421 4.46
	2336 9.33		2241 4.33		2020 6.75		2020 6.75
6	0557 1.51	14	0510 6.44	22	0024 9.72	30	0246 4.04
	1146 9.64		1147 4.79		0645 1.22		0852 7.25
MO	1812 1.25	TU	1812 6.70	WE	1232 10.04	TH	1509 3.76
					1906 1.07		2109 7.36
7	0002 9.40	15	0108 4.20	23	0059 9.33		
	0622 1.48		0737 6.81		0717 1.69		
TU	1210 9.69	WE	1358 4.20	TH	1306 9.53		
	1838 1.23		2009 7.29		1938 1.68		
8	0028 9.34	16	0238 3.47	24	0135 8.76		
	0647 1.60		0851 7.73		0748 2.34		
WE	1236 9.61	TH	1512 3.19	FR	1342 8.85		
	1905 1.40		2111 8.15		2010 2.43		

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Bureau of Meteorology

National Tidal Centre

Height datum is Lowest Astronomical Tide

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

# AUSTRALIA, NORTH-WEST COAST – BROOME

# 2015

LAT 18° 00' LONG 122° 13'

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

Time	m	Time	m	Time	m	Time	m				
1	0326 3.46	9	0113 8.72	17	0352 2.36	25	0239 7.67				
FR	0927 7.88	0727 2.35	0948 9.12	0841 3.54	0953 8.42	9	0843 2.96				
1545 3.08	SA	1319 8.96	SU	1621 1.65	MO	1444 7.51	17	0502 2.07			
2144 7.93	1951 2.18	2216 8.96	2104 3.58	2217 8.22	TU	1443 8.04	25	0937 3.89			
2	0400 2.93	10	0149 8.30	18	0437 1.87	26	0324 7.17	17	1053 9.23	25	0331 7.25
0957 8.44	0759 2.85	1028 9.58	0923 4.13	1028 9.58	0923 4.13	0843 2.96	17	1727 1.40	25	0937 3.89	
SA	1617 2.47	SU	1357 8.43	MO	1703 1.19	TU	1536 6.91	WE	2322 8.85	TH	1547 6.82
2215 8.40	2028 2.77	2255 9.25	2152 4.14	2255 9.25	2152 4.14	2211 3.90	18	0541 1.86	26	0425 6.87	
3	0432 2.47	11	0232 7.79	19	0517 1.58	27	0423 6.75	18	1129 9.34	26	1041 4.30
1025 8.90	0839 3.45	1104 9.82	1034 4.59	1104 9.82	1034 4.59	1034 4.59	18	1805 1.34	26	1701 6.40	
SU	1648 1.96	MO	1445 7.79	TU	1741 1.00	WE	1654 6.47	TH	2359 8.92	FR	1701 6.40
2244 8.76	2115 3.40	2333 9.34	2329 4.51	2333 9.34	2329 4.51	2329 4.51	FR	0617 1.82	27	0548 6.66	
4	0501 2.11	12	0328 7.27	20	0554 1.50	28	0552 6.57	19	1205 9.29	27	1245 4.31
11053 9.25	0936 4.06	1140 9.83	1243 4.58	1140 9.83	1243 4.58	1243 4.58	FR	1838 1.46	SA	1845 6.32	
MO	1718 1.57	TU	1554 7.17	WE	1817 1.06	TH	1843 6.41	20	0034 8.86	28	0106 4.37
2313 9.00	2230 3.93	2330 9.00	2357 8.93	2330 3.93	2357 8.93	2357 8.93	SA	0651 1.93	28	0723 6.83	
5	0530 1.85	13	0450 6.93	21	0009 9.27	29	0117 4.40	20	1239 9.09	SU	1406 3.86
1120 9.49	1122 4.36	1122 4.36	1122 4.36	0628 1.61	0737 6.83	1122 4.36	SA	1911 1.71	20	2015 6.65	
TU	1748 1.33	WE	1742 6.89	TH	1215 9.64	FR	1410 4.10	21	0109 8.68	29	0221 4.01
2341 9.14	2341 9.14	2341 9.14	2341 9.14	1850 1.33	2014 6.79	2341 9.14	SA	0723 2.17	29	0833 7.29	
6	0559 1.73	14	0019 4.01	22	0045 9.03	30	0229 4.00	21	1313 8.77	MO	1502 3.25
1146 9.60	0640 7.08	0702 1.92	0839 7.35	0702 1.92	0839 7.35	0702 1.92	SA	1941 2.07	21	2112 7.16	
WE	1818 1.26	TH	1316 3.98	FR	1251 9.26	SA	1501 3.47	22	0142 8.41	30	0317 3.51
1927 7.21	1927 7.21	1927 7.21	1927 7.21	1923 1.78	2105 7.30	1927 7.21	SA	0754 2.52	30	0922 7.86	
7	0010 9.14	15	0149 3.61	23	0122 8.65	31	0317 3.51	22	1346 8.36	TU	1547 2.62
0628 1.77	0806 7.71	0735 2.37	0819 3.51	0735 2.37	0819 3.51	0819 3.51	SU	2010 2.50	30	2154 7.70	
TH	1215 9.56	FR	1438 3.19	SA	1327 8.74	SU	1540 2.84	23	0215 8.07	31	0317 3.51
1847 1.39	2039 7.84	1956 2.34	2143 7.79	1956 2.34	2143 7.79	2143 7.79	SU	0824 2.94	31	0922 7.86	
8	0040 9.01	16	0300 2.98	24	0159 8.19	8	0146 8.54	23	0824 2.94	31	1547 2.62
0657 1.98	0903 8.47	0807 2.94	0807 2.94	0807 2.94	0807 2.94	0807 2.94	MO	1602 2.09	31	2154 7.70	
FR	1246 9.35	SA	1534 2.35	SU	1403 8.14	MO	2027 2.36	20	2201 8.31	31	2154 7.70
1918 1.70	2132 8.47	2028 2.96	2028 2.96	2028 2.96	2028 2.96	2028 2.96	MO	0831 8.00	31	2154 7.70	

## JUNE

Time	m	Time	m	Time	m	Time	m
1	0355 3.01	9	0229 8.19	17	0502 2.07	25	0331 7.25
0953 8.42	0843 2.96	1053 9.23	0937 3.89	1053 9.23	0937 3.89	1053 9.23	0937 3.89
MO	1616 2.28	TU	1443 8.04	WE	1727 1.40	TH	1547 6.82
2217 8.22	2113 2.90	2322 8.85	2156 3.98	2322 8.85	2156 3.98	2322 8.85	2156 3.98
2	0431 2.57	10	0319 7.78	18	0541 1.86	26	0425 6.87
1025 8.86	0936 3.45	1129 9.34	1041 4.30	1129 9.34	1041 4.30	1129 9.34	1041 4.30
TU	1651 1.81	WE	1544 7.47	TH	1805 1.34	FR	1701 6.40
2250 8.57	2211 3.41	2359 8.92	2311 4.38	2359 8.92	2311 4.38	2359 8.92	2311 4.38
3	0506 2.20	11	0423 7.43	19	0617 1.82	27	0548 6.66
1056 9.20	1052 3.81	1205 9.29	1245 4.31	1205 9.29	1245 4.31	1205 9.29	1245 4.31
WE	1727 1.48	TH	1707 7.05	FR	1838 1.46	SA	1845 6.32
2323 8.81	2330 3.74	2330 3.74	2330 3.74	2330 3.74	2330 3.74	2330 3.74	2330 3.74
4	0540 1.96	12	0549 7.29	20	0034 8.86	28	0106 4.37
1129 9.40	1231 3.78	0651 1.93	0723 6.83	0651 1.93	0723 6.83	0651 1.93	0723 6.83
TH	1802 1.32	FR	1844 7.02	SA	1239 9.09	SU	1406 3.86
2357 8.93	2357 8.93	2357 8.93	2357 8.93	1911 1.71	2015 6.65	1911 1.71	2015 6.65
5	0614 1.86	13	0059 3.72	21	0109 8.68	29	0221 4.01
1202 9.45	0718 7.52	0723 2.17	0833 7.29	0723 2.17	0833 7.29	0723 2.17	0833 7.29
FR	1836 1.34	SA	1402 3.33	SU	1313 8.77	MO	1502 3.25
1836 1.34	2007 7.35	1941 2.07	2112 7.16	1941 2.07	2112 7.16	1941 2.07	2112 7.16
6	0031 8.93	14	0221 3.40	22	0142 8.41	30	0317 3.51
0649 1.93	0832 8.00	0754 2.52	0922 7.86	0754 2.52	0922 7.86	0754 2.52	0922 7.86
SA	1237 9.34	SU	1509 2.69	MO	1346 8.36	TU	1547 2.62
1912 1.54	2111 7.84	2010 2.50	2154 7.70	2010 2.50	2154 7.70	2010 2.50	2154 7.70
7	0107 8.80	15	0326 2.91	23	0215 8.07	31	0317 3.51
0724 2.15	0927 8.53	0824 2.94	0922 7.86	0824 2.94	0922 7.86	0824 2.94	0922 7.86
SU	1314 9.05	MO	1602 2.09	TU	1420 7.88	31	0922 7.86
1948 1.90	2201 8.31	2040 2.97	2154 7.70	2040 2.97	2154 7.70	2040 2.97	2154 7.70
8	0146 8.54	16	0418 2.43	24	0251 7.67	31	1547 2.62
0801 2.50	1013 8.96	0856 3.41	0922 7.86	0856 3.41	0922 7.86	0856 3.41	0922 7.86
MO	1356 8.60	TU	1647 1.64	WE	1458 7.35	31	2154 7.70
2027 2.36	2244 8.65	2113 3.48	2154 7.70	2113 3.48	2154 7.70	2113 3.48	2154 7.70

## JULY

Time	m	Time	m	Time	m	Time	m
1	0404 2.96	9	0300 8.31	17	0532 1.97	25	0324 7.28
1002 8.42	0922 2.77	1122 9.05	0937 3.71	1002 8.42	0922 2.77	1122 9.05	0937 3.71
WE	1630 2.03	TH	1523 7.75	FR	1753 1.42	SA	1544 6.65
2232 8.19	2144 2.95	2348 8.83	2149 3.99	2232 8.19	2144 2.95	2348 8.83	2149 3.99
2	0447 2.44	10	0351 7.81	18	0607 1.76	26	0415 6.80
1040 8.90	1018 3.34	1155 9.15	1042 4.21	1040 8.90	1018 3.34	1155 9.15	1042 4.21
TH	1710 1.56	FR	1628 7.10	SA	1826 1.38	SU	1706 6.16
2310 8.60	2244 3.55	2306 4.49	2306 4.49	2310 8.60	2244 3.55	2306 4.49	2306 4.49
3	0527 2.01	11	0501 7.35	19	0020 8.91	27	0553 6.52
1117 9.27	1146 3.73	0639 1.70	1307 4.20	1117 9.27	1146 3.73	0639 1.70	1307 4.20
FR	1750 1.24	SA	1801 6.71	SU	1226 9.10	MO	1911 6.14
2346 8.90	1801 6.71	1855 1.48	1911 6.14	1801 6.71	1855 1.48	1911 6.14	1911 6.14
4	0607 1.71	12	0012 3.93	20	0050 8.87	28	0125 4.43
1154 9.47	0634 7.16	0708 1.78	0742 6.75	0634 7.16	0708 1.78	0742 6.75	0742 6.75
SA	1828 1.10	SU	1331 3.63	MO	1255 8.94	TU	1427 3.64
1940 6.78	1940 6.78	1940 6.78	1940 6.78	1923 1.69	2045 6.64	1940 6.78	1940 6.78
5	0022 9.08	13	0149 3.85	21	0118 8.74	29	0244 3.91
0645 1.57	0808 7.38	0735 2.37	0819 3.51	0645 1.57	0808 7.38	0735 2.37	0819 3.51
SU	1231 9.49	MO	1454 3.12	TU	1324 8.66	WE	1526 2.92
1906 1.14	2100 7.24	1948 1.99	2138 7.33	1906 1.14	2100 7.24	1948 1.99	2138 7.33
6	0059 9.12	14	0312 3.40	22	0147 8.51	30	0344 3.22
0722 1.61	0918 7.89	0801 2.28	0947 8.09	0722 1.61	0918 7.89	0801 2.28	0947 8.09
MO	1309 9.32	TU	1552 2.50	WE	1353 8.28	TH	1614 2.19
1943 1.38	2155 7.80	2013 2.38	2219 8.03	1943 1.38	2155 7.80	2013 2.38	2219 8.03
7	0137 9.01	15	0408 2.83	23	0215 8.18	31	0432 2.50
0759 1.84	1007 8.41	0829 2.68	1029 8.77	0759 1.84	1007 8.41	0829 2.68	1029 8.77
TU	1349 8.95	WE	1638 1.98	TH	1424 7.80	FR	1658 1.54
2020 1.78	2237 8.28	2039 2.86	2257 8.65	2020 1.78	2237 8.28	2039 2.86	2257 8.65
8	0217 8.73	16	0454 2.33	24	0246 7.76	8	0317 8.02
0839 2.23	1047 8.80	0859 3.17	1047 8.80	0839 2.23	1047 8.80	0859 3.17	1047 8.80
WE	1433 8.40	TH	1717 1.62	FR	1458 7.24	SA	1550 7.08
2059 2.32	2315 8.63	2109 3.40	2200 3.53	2315 8.63	2109 3.40	2200 3.53	2200 3.53

## AUGUST

Time	m	Time	m	Time	m	Time	m
1	0516 1.84	9	0413 7.27	17	0000 9.12	25	0419 6.50
1108 9.31	1054 3.83	0621 1.41	1142 4.43	1108 9.31	1054 3.83	0621 1.41	1142 4.43
SA	1739 1.03	SU	1717 6.40	MO	1208 9.22	TU	1803 5.88
2334 9.15	2324 4.23	1834 1.27	1803 5.88	2334 9.15	2324 4.23	1834 1.27	1803 5.88
2	0557 1.31	10	0551 6.73	18	0026 9.16	26	0033 4.76
1145 9.67	1310 4.03	0647 1.39	0654 6.39	1145 9.67	1310 4.03	0647 1.39	0654 6.39
SU	1817 0.73	MO	1925 6.30	TU	1234 9.14	WE	1358 3.98
1817 0.73	1859 1.39	2025 6.37					

# AUSTRALIA, NORTH-WEST COAST – BROOME

LAT 18° 00' LONG 122° 13'

# 2015

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

Time	m	Time	m	Time	m	Time	m
1	0619 0.47	9	0136 4.61	17	0023 9.40	25	0204 4.34
	1205 10.06		0804 6.49		0647 1.19		0819 6.93
TU	1836 0.39	WE	1448 3.79	TH	1236 9.13	FR	1446 3.39
			2100 6.81		1856 1.50		2101 7.32
2	0023 10.14	10	0309 3.85	18	0046 9.27	26	0314 3.33
	0654 0.39		0914 7.24		0711 1.39		0915 7.89
WE	1240 9.94	TH	1537 3.03	FR	1301 8.87	SA	1538 2.46
	1909 0.59		2140 7.60		1919 1.82		2141 8.31
3	0056 10.03	11	0353 3.04	19	0111 8.99	27	0401 2.27
	0728 0.65		0952 7.96		0736 1.76		0957 8.80
TH	1316 9.54	FR	1613 2.38	SA	1328 8.46	SU	1621 1.62
	1941 1.07		2213 8.26		1942 2.28		2217 9.19
4	0131 9.63	12	0428 2.36	20	0137 8.57	28	0443 1.33
	0801 1.22		1024 8.53		0801 2.28		1035 9.51
FR	1353 8.87	SA	1646 1.87	SU	1356 7.92	MO	1701 0.97
	2013 1.79		2242 8.77		2006 2.87	○	2252 9.86
5	0207 8.95	13	0501 1.83	21	0205 8.01	29	0522 0.63
	0835 2.04		1054 8.94		0830 2.93		1111 9.95
SA	1432 8.01	SU	1716 1.53	MO	1429 7.26	TU	1739 0.59
●	2046 2.68	●	2309 9.12	●	2032 3.55	○	2326 10.28
6	0246 8.09	14	0530 1.45	22	0237 7.36	30	0559 0.25
	0912 3.00		1120 9.19		0905 3.67		1146 10.10
SU	1519 7.08	MO	1743 1.33	TU	1514 6.55	WE	1814 0.50
	2124 3.65		2335 9.33		2110 4.30		2359 10.41
7	0334 7.16	15	0558 1.23	23	0330 6.65		
	1006 3.96		1146 9.29		1018 4.39		
MO	1635 6.26	TU	1809 1.27	WE	1658 5.97		
	2235 4.53		2359 9.42		2322 4.92		
8	0510 6.40	16	0623 1.14	24	0609 6.26		
	1253 4.38		1211 9.27		1325 4.22		
TU	1916 6.08	WE	1833 1.32	TH	1957 6.36		

## OCTOBER

Time	m	Time	m	Time	m	Time	m
1	0634 0.22	9	0253 4.02	17	0020 9.46	25	0246 3.35
	1221 9.97		0854 7.00		0649 1.27		0848 7.76
TH	1847 0.71	FR	1513 3.43	SA	1240 8.96	SU	1507 2.80
			2117 7.52		1857 1.89		2111 8.39
2	0033 10.23	10	0333 3.23	18	0046 9.21	26	0337 2.30
	0707 0.55		0931 7.71		0715 1.62		0934 8.62
FR	1256 9.56	SA	1548 2.80	SU	1309 8.61	MO	1554 2.02
	1918 1.20		2147 8.19		1922 2.31		2150 9.24
3	0106 9.76	11	0405 2.54	19	0113 8.80	27	0421 1.39
	0740 1.17		1002 8.30		0742 2.13		1014 9.28
SA	1333 8.90	SU	1619 2.29	MO	1339 8.13	TU	1636 1.41
	1950 1.93		2215 8.73		1948 2.87	○	2228 9.88
4	0142 9.02	12	0435 1.97	20	0144 8.25	28	0501 0.73
	0813 2.03		1030 8.74		0812 2.77		1051 9.70
SU	1412 8.08	MO	1649 1.91	TU	1415 7.52	WE	1715 1.04
	2023 2.82		2242 9.12		2018 3.52		2303 10.25
5	0220 8.10	13	0504 1.54	21	0219 7.58	29	0539 0.40
	0848 3.02		1057 9.04		0850 3.49		1128 9.85
MO	1458 7.19	TU	1716 1.65	WE	1502 6.88	TH	1752 0.94
●	2100 3.78	●	2308 9.38	●	2100 4.23	○	2337 10.34
6	0306 7.13	14	0532 1.25	22	0314 6.85	30	0614 0.41
	0933 3.99		1124 9.20		0956 4.19		1204 9.75
TU	1605 6.40	WE	1743 1.51	TH	1629 6.37	FR	1826 1.11
	2202 4.66		2332 9.53		2248 4.80		
7	0432 6.31	15	0558 1.10	23	0524 6.38	31	0012 10.14
	1207 4.60		1148 9.24		1233 4.29		0648 0.73
WE	1827 6.11	TH	1807 1.50	FR	1859 6.57	SA	1240 9.41
			2355 9.56				1900 1.52
8	0118 4.80	16	0624 1.10	24	0129 4.34		
	0737 6.27		1214 9.17		0742 6.88		
TH	1424 4.13	FR	1832 1.62	SA	1406 3.64		
	2038 6.76				2023 7.43		

## NOVEMBER

Time	m	Time	m	Time	m	Time	m
1	0047 9.68	9	0335 2.97	17	0100 8.97	25	0357 1.76
	0722 1.31		0933 7.82		0732 1.99		0954 8.77
SU	1318 8.88	MO	1546 2.96	TU	1331 8.35	WE	1612 2.08
	1933 2.14		2145 8.42		1942 2.81		2206 9.52
2	0123 9.00	10	0406 2.36	18	0135 8.47	26	0441 1.16
	0755 2.07		1004 8.30		0806 2.55		1036 9.19
MO	1358 8.21	TU	1618 2.53	WE	1410 7.89	TH	1655 1.69
	2008 2.90		2213 8.87		2017 3.36	○	2244 9.87
3	0202 8.17	11	0436 1.86	19	0215 7.86	27	0522 0.83
	0830 2.93		1033 8.67		0846 3.18		1115 9.39
TU	1442 7.48	WE	1647 2.19	TH	1459 7.39	FR	1735 1.51
●	2045 3.72		2240 9.20	●	2106 3.94		2322 9.98
4	0246 7.30	12	0506 1.49	20	0311 7.20	28	0559 0.79
	0912 3.79		1101 8.91		0945 3.79		1152 9.40
WE	1539 6.82	TH	1717 1.95	FR	1608 6.99	SA	1812 1.55
	2138 4.50	●	2307 9.42		2228 4.40		2358 9.86
5	0353 6.54	13	0534 1.25	21	0445 6.71	29	0635 1.00
	1030 4.49		1129 9.04		1128 4.11		1229 9.24
TH	1707 6.41	FR	1745 1.84	SA	1753 6.96	SU	1847 1.79
	2355 4.87		2333 9.52				
6	0555 6.18	14	0602 1.18	22	0036 4.23	30	0035 9.53
	1304 4.51		1157 9.06		0649 6.83		0709 1.42
FR	1928 6.60	SA	1813 1.86	SU	1309 3.85	MO	1307 8.91
					1930 7.47		1923 2.20
7	0209 4.39	15	0000 9.49	23	0207 3.48		
	0808 6.59		0632 1.28		0812 7.45		
SA	1428 4.02	SU	1226 8.95	MO	1425 3.28		
	2036 7.23		1842 2.03		2034 8.22		
8	0300 3.65	16	0029 9.30	24	0309 2.58		
	0858 7.23		0702 1.56		0909 8.16		
SU	1512 3.47	MO	1257 8.71	TU	1524 2.64		
	2113 7.87		1911 2.36		2124 8.95		

## DECEMBER

Time	m	Time	m	Time	m	Time	m
1	0111 9.03	9	0334 2.95	17	0132 8.84	25	0428 1.74
	0742 1.99		0938 7.65		0804 2.12		1028 8.62
TU	1345 8.47	WE	1544 3.26	TH	1406 8.46	FR	1642 2.31
	1957 2.75		2145 8.35		2021 2.85	○	2236 9.33
2	0149 8.40	10	0409 2.37	18	0214 8.33	26	0511 1.33
	0816 2.64		1011 8.11		0843 2.64		1108 8.97
WE	1425 7.95	TH	1620 2.82	FR	1450 8.09	SA	1725 1.97
	2033 3.37		2216 8.79	●	2105 3.32		2315 9.56
3	0228 7.71	11	0442 1.88	19	0303 7.72	27	0550 1.14
	0851 3.32		1043 8.49		0931 3.21		1146 9.16
TH	1509 7.43	FR	1654 2.45	SA	1543 7.70	SU	1804 1.81
●	2114 3.99	●	2247 9.14		2204 3.79		2351 9.60
4	0315 7.03	12	0515 1.52	20	0410 7.12	28	0626 1.17
	0934 3.96		1114 8.76		1035 3.73		1221 9.19
FR	1604 6.97	SA	1727 2.17	SU	1656 7.41	MO	1840 1.83
	2213 4.52		2317 9.37		2337 4.02		
5	0423 6.47	13	0548 1.31	21	0551 6.80	29	0026 9.48
	1050 4.47		1146 8.93		1208 3.97		0659 1.37
SA	1724 6.69	SU	1800 2.03	MO	1831 7.43	TU	1256 9.08
			2348 9.47				1913 2.02
6	0017 4.67	14	0621 1.27	22	0122 3.73	30	0100 9.19
	0616 6.25		1217 8.99		0730 7.00		0730 1.72
SU	1251 4.53	MO	1834 2.03	TU	1339 3.79	WE	1330 8.85
	1912 6.83				1955 7.81		1945 2.34
7	0201 4.23	15	0021 9.42	23	0242 3.07	31	0133 8.77
	0805 6.59		0655 1.41		0846 7.53		0800 2.18
MO	1413 4.20	TU	1251 8.93	WE	1455 3.33	TH	1403 8.51
	2024 7.30		1908 2.18		2101 8.37		2015 2.78
8	0255 3.59	16	0055 9.21	24	0340 2.35		
	0859 7.13		0729 1.70		0942 8.12		
TU	1505 3.73	WE	1327 8.75	TH	1554 2.79		
	2109 7.84		1943 2.46		2152 8.92		

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Bureau of Meteorology

National Tidal Centre

Height datum is Lowest Astronomical Tide

Moon Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter