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NEWCASTLE – NEW SOUTH WALES

LAT 32° 56' LONG 151° 47'

Times and Heights of High and Low Waters

2017

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0434 0.55		16 0002 1.48		1 0007 1.54		16 0046 1.51		1 0452 0.39		16 0536 0.54		1 0007 1.88		16 0535 0.60	
1105 1.83		0540 0.54		0552 0.51		0645 0.64		1111 1.81		1142 1.55		0632 0.39		1137 1.38	
SU 1742 0.35		MO 1200 1.81		WE 1210 1.76		TH 1247 1.50		WE 1727 0.29		TH 1741 0.53		SA 1241 1.56		SU 1711 0.73	
2347 1.40		1833 0.35		1837 0.34		1900 0.54		2343 1.71				1832 0.52		2341 1.65	
2 0517 0.58		17 0047 1.46		2 0054 1.55		17 0128 1.49		2 0543 0.42		17 0004 1.62		2 0100 1.83		17 0623 0.64	
1145 1.79		0628 0.62		0645 0.55		0733 0.70		1157 1.73		0616 0.59		0634 0.45		1224 1.33	
MO 1822 0.37		TU 1242 1.67		TH 1256 1.66		FR 1328 1.39		TH 1809 0.35		FR 1218 1.46		SU 1241 1.45		MO 1755 0.80	
		1914 0.44		1921 0.39		1937 0.61				1813 0.60		1827 0.62			
3 0032 1.41		18 0133 1.43		3 0145 1.56		18 0214 1.47		3 0030 1.71		18 0041 1.59		3 0058 1.77		18 0027 1.59	
0605 0.61		0717 0.69		0744 0.59		0829 0.74		0637 0.46		0701 0.64		0743 0.51		0717 0.68	
TU 1227 1.74		WE 1322 1.54		FR 1349 1.54		SA 1416 1.29		FR 1246 1.61		SA 1259 1.38		MO 1351 1.37		TU 1320 1.29	
1906 0.38		1953 0.51		2011 0.45		2022 0.67		1854 0.43		1848 0.67		1931 0.71		1848 0.85	
4 0121 1.42		19 0221 1.42		4 0244 1.58		19 0307 1.46		4 0120 1.70		19 0122 1.55		4 0205 1.71		19 0122 1.55	
0658 0.65		0812 0.75		0851 0.62		0935 0.76		0737 0.52		0753 0.69		0856 0.54		0818 0.69	
WE 1313 1.66		TH 1407 1.41		SA 1452 1.42		SU 1519 1.22		SA 1342 1.48		SU 1346 1.30		TU 1509 1.35		WE 1427 1.29	
1952 0.41		2034 0.57		2107 0.51		2118 0.72		1945 0.52		1931 0.74		2045 0.75		1957 0.88	
5 0215 1.45		20 0313 1.42		5 0347 1.61		20 0409 1.46		5 0217 1.67		20 0211 1.51		5 0317 1.67		20 0228 1.53	
0757 0.67		0914 0.79		1010 0.62		1049 0.75		0846 0.56		0853 0.72		1007 0.54		0922 0.67	
TH 1406 1.57		FR 1500 1.31		SU 1608 1.34		MO 1636 1.19		SU 1448 1.37		MO 1446 1.24		WE 1624 1.38		TH 1537 1.32	
2044 0.43		2121 0.62		2211 0.54		2225 0.74		2045 0.61		2028 0.79		2201 0.74		2112 0.86	
6 0315 1.50		21 0409 1.44		6 0454 1.67		21 0512 1.50		6 0324 1.66		21 0311 1.49		6 0427 1.68		21 0336 1.55	
0906 0.68		1024 0.79		1130 0.57		1159 0.69		1004 0.58		1002 0.72		1108 0.51		1019 0.62	
FR 1510 1.49		SA 1605 1.24		MO 1728 1.32		TU 1750 1.22		MO 1608 1.31		TU 1600 1.22		TH 1726 1.46		FR 1637 1.40	
2139 0.45		2215 0.64		2317 0.55		2330 0.72		2155 0.65		2139 0.82		2310 0.69		2220 0.79	
7 0416 1.57		22 0506 1.49		7 0559 1.75		22 0609 1.56		7 0435 1.67		22 0419 1.49		7 0527 1.69		22 0437 1.60	
1021 0.65		1136 0.75		1242 0.48		1256 0.61		1122 0.55		1112 0.69		1200 0.48		1109 0.55	
SA 1623 1.43		SU 1716 1.22		TU 1840 1.35		WE 1849 1.27		TU 1730 1.31		WE 1716 1.25		FR 1816 1.54		SA 1728 1.51	
2237 0.45		2311 0.65						2309 0.65		2253 0.80				2318 0.69	
8 0516 1.67		23 0600 1.55		8 0021 0.52		23 0026 0.67		8 0544 1.71		23 0525 1.54		8 0007 0.62		23 0530 1.67	
1138 0.57		1239 0.68		0658 1.83		0700 1.64		1230 0.48		1211 0.62		0619 1.71		1154 0.47	
SU 1736 1.41		MO 1820 1.23		WE 1342 0.38		TH 1341 0.53		WE 1838 1.37		TH 1817 1.32		SA 1244 0.46		SU 1813 1.64	
2336 0.44				1942 1.41		1937 1.34				2356 0.74		1900 1.61			
9 0615 1.78		24 0003 0.64		9 0118 0.48		24 0114 0.61		9 0015 0.61		24 0620 1.61		9 0056 0.56		24 0010 0.58	
1248 0.47		0647 1.62		0753 1.90		0744 1.72		0645 1.77		1259 0.54		0705 1.70		0619 1.73	
MO 1844 1.42		TU 1330 0.59		TH 1433 0.30		FR 1420 0.44		TH 1327 0.42		FR 1905 1.42		SU 1322 0.45		MO 1236 0.40	
		1915 1.27		2035 1.47		2019 1.42		1934 1.45				1939 1.67		1856 1.76	
10 0032 0.42		25 0052 0.61		10 0212 0.44		25 0157 0.54		10 0115 0.55		25 0048 0.66		10 0140 0.52		25 0059 0.47	
0711 1.89		0731 1.69		0844 1.95		0825 1.79		0739 1.81		0708 1.69		0747 1.69		0708 1.77	
TU 1350 0.35		WE 1413 0.51		FR 1519 0.26		SA 1457 0.37		FR 1414 0.37		SA 1340 0.46		MO 1357 0.46		TU 1317 0.36	
1946 1.44		2001 1.32		2123 1.52		2059 1.49		2021 1.53		1948 1.52		2015 1.71		1939 1.88	
11 0128 0.40		26 0135 0.57		11 0301 0.42		26 0239 0.48		11 0205 0.50		26 0135 0.56		11 0220 0.50		26 0148 0.37	
0805 1.98		0812 1.75		0930 1.95		0905 1.84		0827 1.83		0753 1.76		0826 1.65		0758 1.78	
WE 1445 0.26		TH 1451 0.44		SA 1601 0.25		SU 1532 0.31		SA 1455 0.34		SU 1418 0.38		TU 1429 0.48		WE 1400 0.34	
2045 1.47		2044 1.36		2208 1.55		2137 1.57		2104 1.59		2029 1.62		2049 1.74		2024 1.97	
12 0221 0.39		27 0216 0.54		12 0349 0.43		27 0321 0.43		12 0252 0.46		27 0219 0.47		12 0258 0.50		27 0239 0.31	
0857 2.03		0851 1.81		1015 1.91		0945 1.87		0911 1.82		0837 1.82		0903 1.60		0849 1.75	
TH 1535 0.20		FR 1527 0.38		SU 1641 0.27		MO 1609 0.27		SU 1532 0.34		MO 1456 0.32		WE 1459 0.52		TH 1445 0.36	
2138 1.49		2123 1.41		2250 1.56		2217 1.63		2144 1.63		2109 1.72		2121 1.75		2110 2.03	
13 0313 0.40		28 0257 0.51		13 0433 0.46		28 0405 0.40		13 0335 0.45		28 0304 0.39		13 0335 0.51		28 0332 0.28	
0946 2.04		0930 1.85		1055 1.83		1028 1.86		0951 1.78		0921 1.84		0939 1.55		0943 1.70	
FR 1623 0.19		SA 1602 0.33		MO 1718 0.33		TU 1647 0.27		MO 1607 0.37		TU 1535 0.29		TH 1529 0.56		FR 1532 0.42	
2229 1.50		2202 1.45		2330 1.55		2259 1.68		2220 1.65		2150 1.81		2153 1.75		2159 2.04	
14 0402 0.43		29 0337 0.48		14 0517 0.51		29 0352 0.34		14 0416 0.47		29 0352 0.34		14 0413 0.53		29 0428 0.30	
1033 2.00		1008 1.87		1133 1.73		1008 1.82		1030 1.72		1008 1.82		1016 1.50		1038 1.62	
SA 1709 0.22		SU 1639 0.30		TU 1753 0.39				TU 1640 0.41		WE 1615 0.30		FR 1600 0.61		SA 1622 0.50	
2316 1.50		2243 1.49						2256 1.65		2234 1.87		2226 1.73		2249 2.01	
15 0452 0.47		30 0419 0.47		15 0008 1.54		30 0442 0.33		15 0456 0.50		30 0442 0.33		15 0453 0.56		30 0526 0.34	
1118 1.92		1046 1.87		0600 0.57		1056 1.76		1106 1.64		1056 1.76		1055 1.44		1136 1.54	
SU 1752 0.28		MO 1716 0.29		WE 1210 1.62		TH 1659 0.34		WE 1710 0.47		TH 1659 0.34		SA 1633 0.67		SU 1715 0.60	
		2324 1.52		1826 0.47		2319 1.89		2330 1.64		2319 1.89		2301 1.70		2343 1.93	
		31 0504 0.48								31 0535 0.34					
		1128 1.83								1146 1.67					
		TU 1755 0.30								FR 1744 0.42					

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

NEWCASTLE – NEW SOUTH WALES

LAT 32° 56' LONG 151° 47'

Times and Heights of High and Low Waters

2017

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0628 0.41		16 0556 0.60		1 0120 1.73		16 0014 1.67		1 0142 1.54		16 0039 1.59		1 0255 1.25		16 0231 1.34	
1238 1.47		1202 1.37		0808 0.51		0701 0.56		0815 0.57		0714 0.48		0857 0.66		0834 0.53	
MO 1814 0.69		TU 1728 0.81		TH 1430 1.48		FR 1319 1.42		SA 1446 1.50		SU 1341 1.52		TU 1546 1.52		WE 1516 1.65	
		2354 1.67		☉ 2010 0.80		☾ 1851 0.81		☉ 2045 0.81		☾ 1932 0.71		2222 0.74		2153 0.56	
2 0041 1.83		17 0645 0.63		2 0222 1.62		17 0107 1.61		2 0240 1.43		17 0137 1.51		2 0402 1.22		17 0351 1.31	
0732 0.47		1255 1.35		0902 0.57		0752 0.55		0901 0.62		0805 0.50		0950 0.67		0941 0.54	
TU 1345 1.42		WE 1819 0.85		FR 1530 1.51		SA 1416 1.47		SU 1542 1.53		MO 1440 1.58		WE 1641 1.56		TH 1622 1.73	
1920 0.77				2120 0.81		☉ 1957 0.80		2154 0.80		☉ 2045 0.69		2324 0.67		2306 0.47	
3 0145 1.74		18 0044 1.62		3 0326 1.54		18 0208 1.57		3 0342 1.36		18 0246 1.45		3 0506 1.23		18 0504 1.34	
0838 0.52		0739 0.64		0952 0.60		0845 0.54		0948 0.64		0901 0.50		1044 0.66		1045 0.51	
WE 1458 1.42		TH 1353 1.36		SA 1626 1.56		SU 1515 1.54		MO 1633 1.58		TU 1541 1.66		TH 1730 1.62		FR 1724 1.82	
☉ 2032 0.80		1921 0.87		2230 0.79		2108 0.76		2300 0.75		2201 0.63					
4 0255 1.66		19 0144 1.58		4 0426 1.49		19 0315 1.55		4 0441 1.33		19 0400 1.42		4 0014 0.59		19 0008 0.36	
0940 0.55		0835 0.63		1038 0.61		0937 0.51		1034 0.65		1000 0.50		0600 1.27		0608 1.39	
TH 1603 1.46		FR 1456 1.40		SU 1715 1.62		MO 1611 1.65		TU 1720 1.63		WE 1640 1.77		FR 1134 0.64		SA 1146 0.47	
2147 0.79		☉ 2030 0.86		2330 0.74		2218 0.68		2354 0.69		2312 0.52		1815 1.68		1821 1.90	
5 0401 1.62		20 0249 1.57		5 0519 1.46		20 0421 1.54		5 0535 1.33		20 0509 1.43		5 0056 0.51		20 0101 0.26	
1035 0.56		0930 0.59		1120 0.62		1030 0.48		1119 0.64		1059 0.48		0646 1.32		0704 1.46	
FR 1700 1.53		SA 1555 1.49		MO 1758 1.68		TU 1705 1.77		WE 1803 1.69		TH 1738 1.88		SA 1219 0.60		SU 1242 0.42	
2255 0.75		2142 0.80				2324 0.56					1856 1.74		1914 1.96		
6 0500 1.60		21 0353 1.59		6 0020 0.68		21 0523 1.56		6 0040 0.62		21 0015 0.40		6 0133 0.45		21 0149 0.20	
1124 0.56		1021 0.53		0606 1.45		1122 0.45		0623 1.34		0613 1.45		0728 1.36		0756 1.52	
SA 1749 1.61		SU 1647 1.60		TU 1159 0.62		WE 1757 1.90		TH 1201 0.63		FR 1156 0.45		SU 1300 0.56		MO 1334 0.38	
2353 0.69		2246 0.70		1836 1.73				1843 1.74		1833 1.98		1934 1.79		2002 1.97	
7 0552 1.59		22 0453 1.63		7 0102 0.62		22 0025 0.44		7 0120 0.55		22 0113 0.29		7 0209 0.39		22 0234 0.18	
1205 0.55		1109 0.48		0650 1.44		0623 1.57		0708 1.37		0713 1.49		0807 1.40		0843 1.56	
SU 1831 1.67		MO 1736 1.73		WE 1235 0.62		TH 1214 0.43		FR 1242 0.62		SA 1251 0.42		MO 1341 0.53		TU 1425 0.37	
		2345 0.58		1912 1.78		1849 2.01		1920 1.79		1927 2.05		2012 1.82		☉ 2049 1.94	
8 0041 0.63		23 0548 1.66		8 0142 0.56		23 0122 0.33		8 0158 0.49		23 0205 0.22		8 0244 0.35		23 0316 0.20	
0638 1.57		1156 0.43		0731 1.44		0722 1.58		0749 1.39		0809 1.52		0845 1.44		0928 1.58	
MO 1242 0.55		TU 1824 1.86		TH 1311 0.62		FR 1306 0.42		SA 1321 0.61		SU 1345 0.41		TU 1420 0.51		WE 1513 0.40	
1909 1.73				1946 1.82		1941 2.09		1957 1.82		☉ 2018 2.08		☉ 2048 1.83		2133 1.86	
9 0123 0.58		24 0040 0.46		9 0218 0.52		24 0216 0.25		9 0233 0.45		24 0255 0.18		9 0318 0.33		24 0357 0.25	
0719 1.56		0643 1.69		0812 1.44		0820 1.58		0830 1.41		0902 1.55		0924 1.47		1011 1.58	
TU 1315 0.56		WE 1242 0.40		FR 1346 0.63		SA 1400 0.43		SU 1400 0.60		MO 1438 0.42		WE 1500 0.50		TH 1600 0.44	
1944 1.77		1912 1.98		☉ 2021 1.84		☉ 2033 2.13		☉ 2033 1.84		2108 2.06		2126 1.82		2215 1.75	
10 0201 0.55		25 0133 0.36		10 0254 0.50		25 0310 0.21		10 0309 0.43		25 0343 0.19		10 0354 0.32		25 0435 0.33	
0759 1.54		0737 1.69		0851 1.44		0917 1.58		0909 1.42		0953 1.55		1003 1.50		1053 1.57	
WE 1347 0.58		TH 1330 0.39		SA 1422 0.64		SU 1453 0.46		MO 1439 0.60		TU 1530 0.45		TH 1543 0.50		FR 1647 0.51	
2016 1.80		2000 2.07		2056 1.85		2125 2.12		2110 1.85		2156 1.99		2204 1.79		2256 1.62	
11 0238 0.52		26 0228 0.28		11 0330 0.49		26 0403 0.22		11 0345 0.42		26 0430 0.24		11 0431 0.33		26 0512 0.41	
0836 1.51		0833 1.67		0931 1.44		1014 1.56		0949 1.43		1042 1.55		1045 1.53		1134 1.54	
TH 1419 0.60		FR 1419 0.42		SU 1500 0.67		MO 1547 0.51		TU 1518 0.61		WE 1621 0.50		FR 1628 0.52		SA 1734 0.58	
☉ 2049 1.82		☉ 2049 2.12		2131 1.84		2215 2.06		2147 1.83		2243 1.88		2245 1.72		2336 1.48	
12 0315 0.51		27 0322 0.25		12 0409 0.49		27 0456 0.27		12 0423 0.42		27 0514 0.32		12 0511 0.35		27 0547 0.50	
0915 1.49		0930 1.63		1012 1.43		1107 1.54		1030 1.44		1129 1.53		1129 1.55		1216 1.51	
FR 1452 0.63		SA 1511 0.47		MO 1539 0.69		TU 1642 0.57		WE 1600 0.62		TH 1713 0.57		SA 1717 0.55		SU 1825 0.65	
2121 1.82		2141 2.12		2208 1.82		2306 1.96		2225 1.80		2327 1.73		2329 1.63			
13 0351 0.52		28 0417 0.26		13 0448 0.51		28 0547 0.34		13 0502 0.43		28 0557 0.41		13 0553 0.39		28 0018 1.35	
0954 1.46		1028 1.58		1054 1.41		1201 1.51		1112 1.45		1216 1.51		1216 1.56		0626 0.58	
SA 1526 0.67		SU 1604 0.54		TU 1620 0.72		WE 1738 0.65		TH 1645 0.65		FR 1805 0.65		SU 1814 0.59		MO 1301 1.48	
2156 1.81		2232 2.07		2246 1.77		2357 1.82		2305 1.74					1922 0.70		
14 0430 0.53		29 0515 0.30		14 0530 0.53		29 0638 0.42		14 0543 0.44		29 0011 1.58		14 0019 1.53		29 0109 1.25	
1033 1.43		1126 1.54		1138 1.40		1255 1.49		1157 1.46		0639 0.49		0640 0.44		0710 0.64	
SU 1603 0.71		MO 1700 0.62		WE 1705 0.76		TH 1835 0.72		FR 1733 0.68		SA 1304 1.49		MO 1310 1.58		TU 1353 1.46	
2231 1.77		2326 1.98		2328 1.72				2349 1.67		1901 0.72		1918 0.61		☉ 2029 0.72	
15 0512 0.56		30 0613 0.37		15 0615 0.55		30 0047 1.68		15 0626 0.46		30 0058 1.44		15 0119 1.42		30 0212 1.18	
1116 1.40		1225 1.50		1227 1.40		0727 0.50		1246 1.48		0721 0.57		0733 0.50		0804 0.69	
MO 1643 0.76		TU 1759 0.70		TH 1755 0.79		FR 1350 1.49		SA 1829 0.70		SU 1356 1.48		TU 1411 1.60		WE 1453 1.46	
2310 1.73						1937 0.78				2003 0.77		☉ 2033 0.61		2140 0.70	
		31 0021 1.86								31 0151 1.32				31 0326 1.16	
		0711 0.45								0806 0.62				0908 0.71	
		WE 1327 1.47								MO 1450 1.49				TH 1556 1.49	
		1901 0.76								☉ 2113 0.77				2246 0.64	

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Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

NEWCASTLE – NEW SOUTH WALES

LAT 32° 56' LONG 151° 47'

Times and Heights of High and Low Waters

2017

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 0438	1.19	16 0503	1.33	1 0604	1.27	16 0031	0.37	1 0037	0.41	16 0122	0.43	1 0033	0.37	16 0121	0.53
1012	0.70	1040	0.56	1141	0.69	0647	1.49	0655	1.54	0750	1.69	0703	1.74	0800	1.73
FR 1653	1.54	SA 1712	1.75	SU 1805	1.54	MO 1237	0.54	WE 1252	0.55	TH 1407	0.49	FR 1319	0.46	SA 1434	0.50
2341	0.56	2354	0.34	1851	1.68	1851	1.68	1900	1.61	2000	1.49	1918	1.55	2020	1.35
2 0535	1.24	17 0601	1.42	2 0044	0.47	17 0117	0.34	2 0115	0.34	17 0157	0.44	2 0117	0.34	17 0157	0.53
1109	0.65	1142	0.49	0651	1.35	0734	1.57	0736	1.66	0828	1.73	0748	1.87	0836	1.77
SA 1744	1.61	SU 1808	1.80	MO 1233	0.62	TU 1330	0.47	TH 1340	0.45	FR 1449	0.45	SA 1412	0.34	SU 1512	0.45
				1852	1.61	1940	1.68	1945	1.65	2042	1.46	2012	1.56	2100	1.35
3 0025	0.48	18 0044	0.28	3 0123	0.40	18 0157	0.32	3 0155	0.29	18 0230	0.46	3 0203	0.32	18 0232	0.54
0622	1.31	0652	1.50	0731	1.45	0815	1.64	0817	1.77	0902	1.77	0836	1.98	0912	1.80
SU 1158	0.59	MO 1236	0.43	TU 1318	0.53	WE 1417	0.43	FR 1427	0.34	SA 1528	0.43	SU 1504	0.24	MO 1547	0.42
1827	1.68	1859	1.83	1935	1.68	2024	1.65	2033	1.66	● 2121	1.43	2106	1.56	● 2140	1.36
4 0103	0.41	19 0127	0.24	4 0159	0.33	19 0233	0.33	4 0234	0.27	19 0302	0.49	4 0251	0.33	19 0308	0.56
0702	1.38	0738	1.57	0810	1.54	0855	1.69	0900	1.87	0936	1.78	0924	2.05	0945	1.81
MO 1241	0.53	TU 1326	0.38	WE 1401	0.45	TH 1501	0.40	SA 1515	0.27	SU 1604	0.41	MO 1558	0.18	TU 1623	0.40
1907	1.74	1945	1.82	2015	1.72	2105	1.61	○ 2122	1.65	2200	1.40	○ 2201	1.54	2219	1.36
5 0138	0.34	20 0207	0.24	5 0234	0.27	20 0307	0.36	5 0316	0.28	20 0334	0.53	5 0341	0.36	20 0345	0.58
0741	1.45	0820	1.62	0848	1.64	0931	1.72	0945	1.95	1009	1.78	1015	2.08	1021	1.81
TU 1321	0.47	WE 1413	0.37	TH 1444	0.37	FR 1543	0.39	SU 1606	0.22	MO 1642	0.41	TU 1651	0.15	WE 1659	0.40
1945	1.78	● 2028	1.78	2058	1.74	● 2145	1.55	2213	1.60	2239	1.37	2258	1.51	2259	1.35
6 0212	0.29	21 0244	0.26	6 0310	0.24	21 0340	0.41	6 0402	0.32	21 0409	0.57	6 0433	0.42	21 0423	0.60
0818	1.51	0900	1.65	0928	1.72	1006	1.73	1031	1.98	1044	1.77	1106	2.06	1057	1.79
WE 1401	0.43	TH 1457	0.38	FR 1529	0.31	SA 1622	0.41	MO 1700	0.21	TU 1719	0.43	WE 1746	0.17	TH 1736	0.41
○ 2024	1.80	2109	1.70	○ 2141	1.73	2222	1.48	2307	1.54	2319	1.34	2356	1.47	2338	1.34
7 0246	0.26	22 0319	0.31	7 0348	0.24	22 0411	0.46	7 0450	0.39	22 0445	0.62	7 0529	0.49	22 0503	0.63
0856	1.57	0939	1.65	1009	1.79	1040	1.72	1120	1.97	1118	1.73	1158	1.99	1133	1.75
TH 1444	0.39	FR 1541	0.41	SA 1615	0.29	SU 1701	0.43	TU 1756	0.24	WE 1759	0.46	TH 1842	0.23	FR 1815	0.43
2103	1.79	2148	1.61	2227	1.68	2300	1.42								
8 0322	0.25	23 0353	0.38	8 0429	0.28	23 0442	0.52	8 0004	1.46	23 0001	1.31	8 0055	1.43	23 0020	1.33
0936	1.62	1015	1.64	1052	1.83	1114	1.70	0543	0.48	0525	0.67	0627	0.57	0545	0.67
FR 1528	0.38	SA 1623	0.46	SU 1707	0.29	MO 1741	0.47	WE 1213	1.91	TH 1157	1.69	FR 1252	1.88	SA 1212	1.69
2144	1.75	2227	1.50	2315	1.60	2341	1.35	1855	0.29	1842	0.49	1939	0.30	1856	0.46
9 0400	0.27	24 0425	0.46	9 0513	0.34	24 0516	0.59	9 0106	1.39	24 0047	1.28	9 0156	1.41	24 0106	1.33
1017	1.66	1052	1.61	1139	1.83	1149	1.66	0641	0.58	0610	0.72	0729	0.64	0632	0.71
SA 1615	0.39	SU 1706	0.52	MO 1801	0.32	TU 1823	0.51	TH 1309	1.82	FR 1238	1.63	SA 1348	1.75	SU 1253	1.63
2228	1.67	2305	1.40					1959	0.35	1929	0.52	2037	0.37	1939	0.48
10 0441	0.32	25 0458	0.53	10 0009	1.50	25 0023	1.29	10 0213	1.35	25 0138	1.26	10 0259	1.41	25 0156	1.33
1102	1.68	1130	1.58	0600	0.43	0554	0.65	0745	0.65	0700	0.77	0835	0.70	0725	0.75
SU 1708	0.43	MO 1752	0.58	TU 1230	1.80	WE 1228	1.61	FR 1410	1.73	SA 1324	1.56	SU 1448	1.62	MO 1339	1.56
2315	1.56	2347	1.30	1901	0.37	1910	0.55	2105	0.39	2020	0.55	● 2134	0.43	2026	0.49
11 0524	0.38	26 0534	0.61	11 0108	1.39	26 0112	1.24	11 0325	1.35	26 0236	1.26	11 0402	1.44	26 0251	1.37
1150	1.67	1210	1.53	0655	0.53	0639	0.72	0857	0.70	0800	0.80	0946	0.73	0825	0.77
MO 1806	0.47	TU 1844	0.62	WE 1325	1.74	TH 1312	1.55	SA 1518	1.64	SU 1419	1.51	MO 1553	1.51	TU 1433	1.50
				2009	0.42	2004	0.59	● 2210	0.42	2115	0.55	2228	0.48	● 2116	0.50
12 0010	1.44	27 0037	1.22	12 0216	1.31	27 0209	1.21	12 0433	1.39	27 0338	1.30	12 0501	1.49	27 0349	1.43
0614	0.47	0618	0.68	0757	0.61	0734	0.78	1012	0.70	0907	0.81	1100	0.72	0934	0.75
TU 1245	1.65	WE 1259	1.49	TH 1429	1.68	FR 1405	1.49	SU 1628	1.59	MO 1521	1.47	TU 1658	1.43	WE 1538	1.45
1913	0.51	1945	0.65	● 2122	0.45	2105	0.60	2308	0.43	● 2211	0.52	2317	0.50	2210	0.48
13 0115	1.33	28 0138	1.17	13 0334	1.28	28 0315	1.20	13 0533	1.46	28 0437	1.37	13 0554	1.56	28 0446	1.52
0711	0.55	0715	0.74	FR 0909	0.66	0841	0.81	1123	0.66	1018	0.77	1208	0.68	1047	0.70
WE 1347	1.64	TH 1357	1.45	FR 1541	1.65	SA 1509	1.46	MO 1731	1.55	TU 1627	1.47	WE 1757	1.38	TH 1647	1.42
● 2029	0.53	● 2054	0.65	2234	0.44	● 2209	0.59	2359	0.43	2301	0.48			2303	0.46
14 0231	1.27	29 0252	1.16	14 0450	1.32	29 0425	1.24	14 0625	1.54	29 0530	1.48	14 0002	0.52	29 0541	1.64
0818	0.60	0825	0.77	1025	0.66	0955	0.80	1227	0.61	1124	0.69	0641	1.62	1158	0.60
TH 1458	1.65	FR 1503	1.45	SA 1652	1.64	SU 1616	1.46	TU 1828	1.53	WE 1728	1.49	TH 1306	0.62	FR 1754	1.42
2147	0.49	2200	0.62	2338	0.40	2306	0.54			2348	0.43	1850	1.36	2356	0.43
15 0353	1.27	30 0405	1.20	15 0555	1.39	30 0524	1.32	15 0043	0.42	30 0617	1.61	15 0044	0.52	30 0633	1.77
0931	0.60	0937	0.75	1135	0.61	1103	0.74	0710	1.62	1224	0.58	0722	1.68	1301	0.47
FR 1609	1.69	SA 1609	1.48	SU 1756	1.66	MO 1718	1.50	WE 1321	0.54	TH 1824	1.52	FR 1353	0.56	SA 1857	1.45
2257	0.42	2258	0.55			2355	0.48	1916	1.51			1937	1.35		
				31 0613	1.42	1201	0.66							31 0048	0.40
				TU 1812	1.55									SU 1400	0.34
														1957	1.47

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter