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AUSTRALIA, SOUTH COAST – ESPERANCE

LAT 33° 52' S LONG 121° 54' E

2019

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

Time	m	Time	m	Time	m	Time	m
1	0553 0.41 1141 0.52 TU 1310 0.52 2107 0.92	9	0716 0.31 1232 0.56 WE 1655 0.40	17	0455 0.39 1127 0.54 TH 1305 0.54 2056 1.03	25	0057 0.93 0819 0.37 FR 1325 0.56 1738 0.50
2	0529 0.36 1129 0.51 WE 1346 0.50 2127 0.99	10	0007 1.05 0736 0.33 TH 1252 0.57 1717 0.43	18	0500 0.29 1112 0.56 FR 1413 0.52 2132 1.13	26	0107 0.80 0830 0.44 SA 2345 0.73 *
3	0543 0.32 1111 0.51 TH 1411 0.48 2140 1.05	11	0030 0.99 0756 0.36 FR 1315 0.59 1735 0.48	19	0525 0.20 1133 0.56 SA 1457 0.48 2211 1.20	27	0721 0.45 1415 0.65 SU 1644 0.62 2248 0.70
4	0553 0.30 1129 0.51 FR 1431 0.45 2156 1.10	12	0049 0.92 0814 0.39 SA 1349 0.60 1745 0.54	20	0556 0.14 1203 0.55 SU 1535 0.45 2249 1.24	28	0631 0.41 1139 0.60 MO 1658 0.68 2136 0.76
5	0557 0.28 1140 0.52 SA 1500 0.43 2220 1.13	13	0107 0.84 0830 0.42 SU 1508 0.62 1736 0.61	21	0629 0.12 1236 0.54 MO 1608 0.42 2328 1.23	29	0606 0.35 2041 0.82 TU
6	0612 0.27 1138 0.52 SU 1531 0.41 2249 1.14	14	0115 0.76 0843 0.45 MO 2010 0.71	22	0700 0.15 1308 0.52 TU 1632 0.41	30	0619 0.32 2059 0.90 WE
7	0632 0.27 1151 0.54 MO 1601 0.39 2317 1.12	15	0842 0.48 2000 0.80 TU	23	0002 1.16 0729 0.21 WE 1332 0.51 1651 0.42	31	0606 0.31 2122 0.96 TH
8	0655 0.28 1212 0.55 TU 1630 0.39 2344 1.09	16	0636 0.48 2023 0.91 WE	24	0032 1.06 0756 0.29 TH 1315 0.52 1714 0.45		

FEBRUARY

Time	m	Time	m	Time	m	Time	m
1	0547 0.30 2141 1.02 FR	9	0019 0.97 0714 0.34 SA 1300 0.73 1815 0.46	17	0520 0.16 1147 0.62 SU 1514 0.53 2210 1.20	25	0610 0.39 1311 0.84 MO 1900 0.66 2243 0.69
2	0547 0.28 1144 0.56 SA 1452 0.51 2158 1.06	10	0035 0.90 0721 0.37 SU 1324 0.76 1847 0.52	18	0545 0.13 1154 0.63 MO 1559 0.46 2250 1.22	26	0530 0.34 1320 0.85 TU 1759 0.72 2139 0.74
3	0549 0.27 1141 0.58 SU 1526 0.47 2220 1.10	11	0045 0.82 0721 0.39 MO 1351 0.77 1934 0.59	19	0608 0.14 1215 0.64 TU 1641 0.41 2328 1.19	27	0542 0.30 1354 0.83 WE 1758 0.76 2030 0.80
4	0558 0.26 1139 0.60 MO 1556 0.43 2246 1.11	12	0043 0.73 0717 0.41 TU 1430 0.78 *	20	0629 0.19 1235 0.66 WE 1721 0.39 2358 1.10	28	0554 0.30 1445 0.78 TH 1544 0.78 2048 0.86
5	0612 0.26 1145 0.63 TU 1624 0.40 2313 1.11	13	0656 0.42 1731 0.79 WE	21	0649 0.26 1239 0.68 TH 1759 0.40		
6	0629 0.28 1201 0.66 WE 1652 0.39 2338 1.08	14	0600 0.40 1957 0.90 TH	22	0018 0.98 0709 0.34 FR 1238 0.72 1832 0.45		
7	0646 0.30 1220 0.68 TH 1719 0.39	15	0501 0.32 2045 1.02 FR	23	0033 0.84 0719 0.41 SA 1253 0.77 1830 0.52		
8	0000 1.03 0701 0.32 FR 1240 0.71 1747 0.42	16	0501 0.23 1210 0.62 SA 1415 0.60 2128 1.12	24	0022 0.72 0626 0.43 SU 1311 0.81 *		

MARCH

Time	m	Time	m	Time	m	Time	m
1	0538 0.31 2113 0.92 FR	9	0615 0.36 1215 0.89 SA 1810 0.42	17	0436 0.24 1146 0.71 SU 1445 0.66 2120 1.11	25	0518 0.42 1237 1.01 MO 1950 0.60 2243 0.66
2	0519 0.32 1232 0.65 SA 1432 0.63 2134 0.98	10	0003 0.92 0620 0.38 SU 1235 0.92 1843 0.45	18	0453 0.20 1121 0.73 MO 1532 0.55 2203 1.16	26	0452 0.38 1237 1.01 TU 1949 0.66 2217 0.68
3	0517 0.31 1130 0.66 SU 1516 0.57 2153 1.03	11	0017 0.84 0618 0.40 MO 1256 0.94 1921 0.51	19	0512 0.20 1123 0.77 TU 1613 0.46 2244 1.15	27	0450 0.34 1253 0.99 WE 2014 0.72 2129 0.72
4	0518 0.30 1119 0.69 MO 1548 0.50 2214 1.06	12	0022 0.75 0616 0.41 TU 1317 0.95 2016 0.57	20	0528 0.24 1140 0.81 WE 1652 0.40 2318 1.09	28	0506 0.34 1321 0.95 TH 1835 0.78 1920 0.78
5	0524 0.30 1117 0.73 TU 1616 0.45 2236 1.08	13	0000 0.67 0608 0.41 WE 1341 0.94	21	0544 0.30 1153 0.85 TH 1731 0.38 2343 0.99	29	0511 0.36 1354 0.88 FR 1817 0.81 2016 0.83
6	0537 0.30 1125 0.77 WE 1644 0.41 2300 1.07	14	0538 0.40 1414 0.91 TH	22	0601 0.37 1153 0.90 FR 1810 0.40 2356 0.86	30	0445 0.38 1428 0.80 SA 1553 0.79 2048 0.89
7	0551 0.31 1139 0.81 TH 1711 0.39 2324 1.04	15	0500 0.36 1931 0.91 FR	23	0613 0.43 1203 0.95 SA 1848 0.45	31	0437 0.39 1150 0.76 SU 1453 0.71 2113 0.94
8	0605 0.33 1156 0.86 FR 1740 0.39 2345 0.98	16	0430 0.30 2032 1.02 SA	24	0005 0.74 0531 0.46 SU 1222 0.99 *		

APRIL

Time	m	Time	m	Time	m	Time	m
1	0433 0.39 1055 0.78 MO 1523 0.63 2134 0.99	9	0004 0.75 0518 0.46 TU 1231 1.12 1945 0.50	17	0425 0.35 1043 0.92 WE 1619 0.49 2231 1.04	25	0415 0.42 1234 1.10 TH
2	0432 0.38 1044 0.82 TU 1541 0.55 2156 1.01	10	0005 0.67 0515 0.46 WE 1254 1.10 *	18	0436 0.39 1059 0.99 TH 1656 0.43 2305 0.96	26	0430 0.44 1302 1.04 FR
3	0440 0.38 1045 0.88 WE 1618 0.49 2219 1.02	11	0451 0.45 1315 1.06 TH	19	0452 0.44 1107 1.05 FR 1733 0.41 2326 0.85	27	0416 0.47 1333 0.96 SA
4	0452 0.39 1055 0.94 TH 1647 0.44 2243 1.01	12	0425 0.42 1334 1.00 FR	20	0504 0.49 1114 1.11 SA 1811 0.43 2332 0.75	28	0353 0.49 1357 0.87 SU 1818 0.85 1954 0.86
5	0504 0.40 1110 1.00 FR 1717 0.42 2306 0.97	13	0358 0.38 1348 0.91 SA 1512 0.91 1901 0.93	21	0435 0.51 1131 1.15 SU 1847 0.47 2341 0.66	29	0346 0.49 1106 0.84 MO 1508 0.78 2034 0.90
6	0515 0.41 1128 1.05 SA 1749 0.41 2328 0.91	14	0346 0.34 1147 0.82 SU 1453 0.81 2015 1.00	22	0425 0.49 1153 1.17 MO 1923 0.53 2229 0.62	30	0337 0.49 1006 0.88 TU 1517 0.70 2104 0.93
7	0518 0.43 1147 1.09 SU 1824 0.42 2348 0.83	15	0359 0.32 1102 0.81 MO 1514 0.69 2106 1.06	23	0418 0.46 1208 1.16 TU 1957 0.59 2224 0.63		
8	0518 0.45 1209 1.11 MO 1900 0.45	16	0414 0.32 1034 0.86 TU 1545 0.58 2151 1.07	24	0400 0.43 1215 1.14 WE 2027 0.64 2205 0.65		

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Datum of Predictions is Lowest Astronomical Tide

* Extra Tides

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

AUSTRALIA, SOUTH COAST – ESPERANCE

LAT 33° 52' S LONG 121° 54' E

2019

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m		
1	0337 0.49	9	0015 0.59	17	0340 0.53	25	0406 0.54	1	0303 0.58	9	0114 0.52	17	0244 0.59	25	1345 0.93
	1000 0.95		0407 0.51		1018 1.13		1257 1.08		0947 1.19		1414 1.02		1021 1.28		2230 0.65
WE	1545 0.62	TH	1246 1.20	FR	1703 0.47	SA		SA	1644 0.50	SU		MO	1818 0.46	TU	
	2132 0.95	*			2300 0.81				2220 0.82			○	2333 0.63	●	
2	0347 0.49	10	0333 0.48	18	0354 0.55	26	0327 0.58	2	0316 0.58	10	0153 0.53	18	0305 0.56	26	0843 0.86
	1007 1.02		1315 1.13		1027 1.20		1328 1.01		1011 1.27		1256 0.91		1048 1.29		1255 0.85
TH	1614 0.54	FR		SA	1736 0.45	SU		SU	1719 0.45	MO	1425 0.90	TU	1845 0.48	WE	1344 0.85
	2159 0.95				2319 0.73				2255 0.78	●	1510 0.90		2337 0.62		
3	0400 0.49	11	0319 0.46	19	0339 0.56	27	0300 0.59	3	0329 0.57	11	0217 0.56	19	0330 0.55	27	0026 0.65
	1020 1.09		1336 1.04		1042 1.24		1358 0.92		1038 1.32		0955 0.88		1117 1.28		0825 0.94
FR	1645 0.48	SA		SU	1811 0.46	MO		MO	1758 0.41	TU	1520 0.78	WE	1913 0.50	TH	1644 0.74
	2226 0.92			○	2318 0.67	●		●	2329 0.72		1931 0.83		2357 0.62		1747 0.74
4	0411 0.50	12	0252 0.44	20	0333 0.55	28	0230 0.60	4	0341 0.57	12	0214 0.60	20	0351 0.55	28	0107 0.65
	1038 1.16		1319 0.93		1105 1.27		1005 0.88		1108 1.34		0859 0.95		1145 1.25		0835 1.03
SA	1717 0.44	SU	1440 0.93	MO	1845 0.49	TU	1555 0.83	TU	1839 0.41	WE	1600 0.68	TH	1940 0.53	FR	1615 0.65
	2253 0.88	*●	1615 0.93		2330 0.62		1745 0.84				2044 0.80				2104 0.73
5	0417 0.51	13	0302 0.44	21	0343 0.52	29	0220 0.59	5	0001 0.66	13	0200 0.61	21	0012 0.63	29	0139 0.64
	1100 1.22		1045 0.87		1130 1.26		0915 0.94		0351 0.57		0908 1.04		0403 0.55		0855 1.13
SU	1753 0.42	MO	1501 0.81	TU	1920 0.53	WE	1514 0.75	WE	1142 1.33	TH	1637 0.59	FR	1208 1.21	SA	1626 0.55
●	2319 0.82		1953 0.95		2323 0.60		2024 0.85		1925 0.43		2142 0.77	*	2004 0.56		2154 0.73
6	0422 0.52	14	0316 0.45	22	0338 0.51	30	0233 0.59	6	0031 0.60	14	0220 0.62	22	1230 1.15	30	0208 0.63
	1123 1.25		1004 0.89		1151 1.24		0916 1.02		0353 0.56		0930 1.13		2027 0.58		0923 1.22
MO	1830 0.43	TU	1531 0.70	WE	1954 0.57	TH	1539 0.66	TH	1216 1.29	FR	1711 0.52	SA		SU	1655 0.46
	2344 0.74		2051 0.95		2238 0.62		2107 0.85		2017 0.47		2230 0.73	*			2238 0.72
7	0426 0.52	15	0321 0.48	23	0337 0.50	31	0248 0.58	7	0100 0.55	15	0240 0.61	23	0023 0.66		
	1149 1.26		0945 0.97		1205 1.20		0929 1.11		0236 0.54		0947 1.20		0430 0.61		
TU	1912 0.45	WE	1601 0.60	TH	2026 0.61	FR	1610 0.58	FR	1254 1.22	SA	1739 0.48	SU	1256 1.09		
			2140 0.93		2259 0.63		2145 0.84		2334 0.51		2310 0.70		2053 0.61		
8	0005 0.66	16	0325 0.51	24	0355 0.51			8	0137 0.52	16	0242 0.61	24	0107 0.67		
	0428 0.52		1002 1.06		1228 1.15				0228 0.52		1000 1.25		0427 0.66		
WE	1217 1.24	TH	1631 0.52	FR				SA	1333 1.13	SU	1758 0.47	MO	1322 1.02		
	2000 0.50		2223 0.88								2339 0.66		2129 0.63		

JULY

AUGUST

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m		
1	0236 0.61	9	1215 0.85	17	0309 0.55	25	0443 0.80	1	0007 0.65	9	0809 0.90	17	0439 0.45	25	0727 0.91
	0955 1.30		2250 0.65		1043 1.25		0947 0.79		0348 0.53		1756 0.41		1129 1.13		1652 0.42
MO	1730 0.40	TU		WE	1830 0.43	TH	1249 0.80	TH	1111 1.33	FR		SA	1831 0.41	SU	
	2319 0.70	●		○	2341 0.65	*●	2023 0.60	●	1839 0.28				2359 0.76		
2	0301 0.60	10	0917 0.87	18	0345 0.53	26	0728 0.89	2	0037 0.64	10	0838 0.97	18	0509 0.45	26	0820 1.02
	1030 1.35		1754 0.64		1112 1.24		1908 0.60		0423 0.51		1756 0.39		1152 1.09		1645 0.34
TU	1809 0.36	WE	2242 0.67	TH	1851 0.45	FR		FR	1149 1.29	SA		SU	1845 0.43	MO	2359 0.66
		*	2327 0.67		2358 0.66				1909 0.32						
3	0001 0.66	11	0822 0.95	19	0418 0.52	27	0759 0.99	3	0102 0.63	11	0908 1.04	19	0018 0.79	27	0140 0.65
	0326 0.58		1759 0.57		1141 1.21		1704 0.55		0453 0.51		1738 0.38		0539 0.48		0905 1.13
WE	1107 1.36	TH		FR	1912 0.47	SA		SA	1223 1.20	SU		MO	1211 1.02	TU	1658 0.26
●	1849 0.35								1937 0.39				1857 0.45		2318 0.66
4	0045 0.63	12	0845 1.04	20	0019 0.68	28	0833 1.09	4	0104 0.64	12	0934 1.08	20	0040 0.81	28	0245 0.58
	0347 0.57		1730 0.51		0449 0.53		1657 0.46		0517 0.53		1742 0.38		0610 0.52		1029 1.21
TH	1145 1.34	FR		SA	1206 1.17	SU	2315 0.66	SU	1251 1.07	MO	2333 0.63	TU	1227 0.95	WE	1719 0.22
	1930 0.37				1930 0.49				2002 0.47				1901 0.47		2320 0.67
5	0134 0.59	13	0913 1.11	21	0041 0.71	29	0125 0.65	5	0114 0.67	13	0233 0.60	21	0103 0.83	29	0332 0.50
	0408 0.56		1742 0.46		0517 0.55		1119 1.19		0543 0.58		0954 1.12		0645 0.57		1029 1.25
FR	1224 1.28	SA	2351 0.64	SU	1228 1.11	MO	1712 0.37	MO	1311 0.93	TU	1745 0.38	WE	1237 0.87	TH	1743 0.21
	2013 0.42				1946 0.51		2315 0.66		2022 0.54		2326 0.65		1900 0.48		2340 0.69
6	0311 0.58	14	0056 0.64	22	0104 0.73	30	0225 0.61	6	0138 0.72	14	0311 0.55	22	0130 0.84	30	0416 0.44
	0424 0.58		0936 1.17		0544 0.59		0950 1.27		0611 0.65		1014 1.15		0732 0.63		1108 1.24
SA	1300 1.19	SU	1800 0.44	MO	1246 1.04	TU	1738 0.30	TU	1202 0.80	WE	1747 0.38	TH	1237 0.79	FR	1805 0.25
	2054 0.49		2330 0.64		2002 0.53		2337 0.66		1926 0.58		2322 0.67		1855 0.49	●	
7	1333 1.07	15	0154 0.61	23	0137 0.75	31	0309 0.57	7	0212 0.76	15	0340 0.50	23	0205 0.85	31	0000 0.70
	2134 0.55		0953 1.21		0609 0.65		1031 1.32		0440 0.73		1037 1.16		0919 0.69		0500 0.41
SU		MO	1810 0.43	TU	1304 0.97	WE	1808 0.27	WE	1122 0.77	TH	1800 0.38	FR	1150 0.72	SA	1143 1.16
			2346 0.63		2016 0.55			*	1845 0.54	○	2324 0.70	●	1837 0.50		1828 0.31
8	1356 0.94	16	0233 0.58	24	0235 0.77			8	0307 0.79	16	0409 0.47	24	0328 0.85		
	2213 0.61		1015 1.24		0630 0.72				0449 0.78		1103 1.16		1755 0.48		
MO		TU	1815 0.43	WE	1315 0.89			TH	0856 0.82	FR	1815 0.39	SA			
			2346 0.63		2027 0.58			●	1740 0.46		2339 0.73				

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* Extra Tides

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

AUSTRALIA, SOUTH COAST – ESPERANCE

LAT 33° 52' S LONG 121° 54' E

2019

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

OCTOBER

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m		
1	0012 0.73	9	0901 0.93	17	0556 0.39	25	0214 0.63	1	0633 0.36	9	0235 0.62	17	0643 0.35	25	0315 0.47
	0542 0.41		1704 0.34		1151 0.89		0855 1.05		1201 0.70		0906 0.86		1152 0.67		0927 0.96
SU	1210 1.04	MO		TU	1753 0.41	WE	1626 0.21	TU	1715 0.45	WE	1616 0.35	TH	1654 0.39	FR	1558 0.26
	1849 0.39						2241 0.69				2215 0.71				2206 0.83
2	0017 0.76	10	0927 0.98	18	0009 0.92	26	0303 0.52	2	0000 0.96	10	0304 0.53	18	0002 1.03	26	0353 0.37
	0625 0.44		1704 0.35		0629 0.43		0939 1.11		0715 0.43		0927 0.90		0723 0.40		1010 0.94
MO	1228 0.90	TU	2259 0.66	WE	1205 0.82	TH	1644 0.20	WE	1157 0.58	TH	1612 0.35	FR	1159 0.59	SA	1612 0.30
	1905 0.46	*			1751 0.42		2245 0.73		1653 0.42		2211 0.76		1652 0.39		2224 0.91
3	0034 0.81	11	0258 0.56	19	0029 0.93	27	0345 0.42	3	0017 0.96	11	0334 0.46	19	0024 1.01	27	0433 0.29
	0708 0.51		0946 1.02		0706 0.48		1020 1.12		0759 0.52		0946 0.92		0813 0.45		1049 0.87
TU	1236 0.75	WE	1702 0.34	TH	1211 0.74	FR	1701 0.23	TH	1018 0.56	FR	1618 0.34	SA	1122 0.53	SU	1629 0.34
	1815 0.50		2250 0.69		1750 0.43		2302 0.78		1608 0.36		2215 0.82		1635 0.38		2238 0.97
4	0055 0.84	12	0331 0.49	20	0050 0.93	28	0428 0.35	4	0012 0.96	12	0402 0.40	20	0045 0.97	28	0514 0.26
	0751 0.59		1004 1.05		0755 0.54		1059 1.08		0900 0.60		1008 0.93		0946 0.50		1122 0.76
WE	1059 0.68	TH	1706 0.34	FR	1156 0.66	SA	1719 0.28	FR	0942 0.60	SA	1630 0.35	SU	1009 0.50	MO	1642 0.39
	1747 0.46		2249 0.73		1743 0.43		2317 0.83		1612 0.30		2226 0.88		1610 0.36		2249 1.03
5	0106 0.86	13	0400 0.44	21	0114 0.91	29	0509 0.31	5	0022 0.93	13	0431 0.35	21	0106 0.91	29	0554 0.27
	0709 0.68		1025 1.06		0916 0.59		1130 0.97		1632 0.28		1031 0.91		1541 0.32		1137 0.64
TH	1027 0.68	FR	1718 0.35	SA	1104 0.61	SU	1738 0.34	SA		13	1642 0.36	MO		TU	1137 0.64
	1653 0.39		2256 0.78		1719 0.41	●	2326 0.87				2242 0.94	●			2308 1.07
6	0057 0.87	14	0428 0.40	22	0145 0.88	30	0551 0.32	6	0050 0.88	14	0501 0.32	22	0129 0.82	30	0635 0.31
	0729 0.75		1048 1.05		1642 0.38		1151 0.84		0557 0.72		1054 0.87		1524 0.28		1142 0.53
FR	0838 0.75	SA	1731 0.36	SU		MO	1752 0.41	SU	0710 0.73	MO	1649 0.37	TU	2327 0.72	WE	1604 0.40
●	1708 0.33	○	2312 0.82	●			2339 0.92	●	1642 0.30	○	2300 0.99				2330 1.07
7	0127 0.84	15	0456 0.38	23	0654 0.85			7	0123 0.80	15	0533 0.31	23	0210 0.71	31	0715 0.37
	0534 0.79		1112 1.02		1612 0.32				0545 0.74		1115 0.81		0745 0.87		1134 0.46
SA	0805 0.82	SU	1745 0.37	MO				MO	0808 0.77	TU	1651 0.38	WE	1532 0.25	TH	1551 0.36
	1724 0.32		2330 0.86					* 1625 0.33		2320 1.02		2226 0.71		2348 1.05	
8	0213 0.79	16	0525 0.37	24	0807 0.95			8	0840 0.82	16	0607 0.33	24	0239 0.59		
	0327 0.79		1133 0.96		1612 0.26				1619 0.34		1135 0.74		0840 0.93		
SU	0833 0.88	MO	1752 0.39	TU	2315 0.68			TU	2312 0.69	WE	1652 0.39	TH	1545 0.25		
	1716 0.33		2349 0.90					*			2341 1.04		2156 0.76		

NOVEMBER

DECEMBER

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1	0759 0.44	9	0332 0.46	17	0018 1.07	25	0450 0.28	1	0831 0.43	9	0410 0.40	17	0106 1.00	25	0609 0.24
	0958 0.47		0926 0.78		0830 0.38		1051 0.66		1044 0.45		0947 0.64		0938 0.36		1154 0.50
FR	1521 0.31	SA	1528 0.38	SU	1159 0.42	MO	1535 0.41	SU	1530 0.34	MO	1446 0.44	TU		WE	1440 0.44
	2349 1.02		2143 0.91		1534 0.37		2209 1.08				2131 1.04				2215 1.15
2	1541 0.29	10	0401 0.39	18	0047 1.00	26	0527 0.25	2	0004 0.99	10	0439 0.33	18	0143 0.90	26	0630 0.24
			0951 0.78		1515 0.35		1131 0.58		0920 0.47		1020 0.62		1303 0.39		1224 0.47
SA		SU	1539 0.38	MO		TU	1533 0.42	MO	1109 0.47	TU	1500 0.43	WE		TH	1457 0.42
			2157 0.98			●	2225 1.13		1551 0.37		2154 1.11			●	2240 1.15
3	0004 0.97	11	0431 0.33	19	0115 0.91	27	0603 0.25	3	0030 0.92	11	0512 0.27	19	0200 0.77	27	0647 0.26
	1600 0.30		1017 0.76		1434 0.33		1156 0.50		1541 0.42		1052 0.60		1342 0.42		1222 0.44
SU		MO	1548 0.39	TU		WE	1519 0.41	TU		WE	1514 0.42	TH	2147 0.71	FR	1524 0.39
			2215 1.05				2247 1.15				2219 1.16	●			2308 1.14
4	0032 0.90	12	0504 0.29	20	0116 0.80	28	0641 0.28	4	0100 0.84	12	0546 0.23	20	0559 0.63	28	0710 0.29
	1558 0.34		1044 0.72		1437 0.32		1143 0.44		1458 0.45		1124 0.56		0623 0.63		1208 0.45
MO		TU	1555 0.39	WE	2228 0.72	TH	1527 0.38	WE		TH	1529 0.41	FR	1330 0.45	SA	1551 0.38
●		○	2235 1.10	●			2314 1.13	●		○	2248 1.19		2048 0.77		2336 1.10
5	0103 0.82	13	0538 0.27	21	0232 0.68	29	0717 0.33	5	0126 0.76	13	0624 0.22	21	0352 0.52	29	0735 0.32
	1538 0.37		1109 0.67		0714 0.77		1148 0.41		1430 0.46		1154 0.51		0818 0.60		1223 0.46
TU	2329 0.74	WE	1600 0.39	TH	1450 0.32	FR	1521 0.36	TH	2149 0.72	FR	1544 0.40	SA	1330 0.46	SU	1613 0.38
			2258 1.13		2136 0.74		2337 1.10				2319 1.19		2047 0.87		
6	0602 0.69	14	0614 0.27	22	0304 0.56	30	0754 0.38	6	1359 0.46	14	0703 0.23	22	0429 0.41	30	0000 1.06
	0752 0.71		1133 0.61		0822 0.78		1027 0.41		2100 0.79		1222 0.47		0936 0.58		0755 0.36
WE	1532 0.39	TH	1607 0.39	FR	1457 0.34	SA	1508 0.34	FR		SA	1557 0.39	SU	1358 0.47	MO	1235 0.48
	2222 0.72		2323 1.13		2116 0.83		2349 1.05				2354 1.15		2112 0.97		1625 0.40
7	0316 0.63	15	0652 0.29	23	0339 0.45			7	0347 0.57	15	0746 0.26	23	0505 0.32	31	0015 1.00
	0830 0.74		1155 0.54		0917 0.77				0826 0.63		1249 0.43		1032 0.56		0809 0.39
TH	1519 0.39	FR	1613 0.39	SA	1502 0.36			SA	1415 0.45	SU	1557 0.39	MO	1425 0.47	TU	1227 0.51
	2135 0.77		2350 1.11		2134 0.92				2103 0.87				2136 1.05		1638 0.44
8	0305 0.54	16	0736 0.33	24	0414 0.35			8	0347 0.49	16	0030 1.09	24	0540 0.26		
	0900 0.77		1213 0.47		1006 0.73				0911 0.64		0835 0.31		1116 0.53		
FR	1517 0.38	SA	1605 0.38	SU	1518 0.38			SU	1430 0.44	MO	1320 0.40	TU	1443 0.46		
	2135 0.84				2154 1.01				2115 0.96		1459 0.39		2156 1.11		

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Datum of Predictions is Lowest Astronomical Tide

* Extra Tides

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