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HAY POINT – QUEENSLAND

LAT 21° 16’ LONG 149° 18’

Times and Heights of High and Low Waters

2016

Local Time

JANUARY

	Time	m		Time	m
1 FR	0334	4.34	16 SA	0326	5.03
	0931	2.52		0933	1.92
	1548	4.77		1543	5.34
	2232	2.08		2224	1.53
2 SA ◐	0454	4.37	17 SU ◑	0444	5.11
	1100	2.65		1056	2.06
	1702	4.62		1701	5.13
	2341	2.01		2338	1.48
3 SU	0612	4.61	18 MO	0603	5.36
	1224	2.52		1224	1.96
	1812	4.64		1821	5.08
4 MO	0039	1.82	19 TU	0051	1.31
	0710	4.96		0716	5.74
	1324	2.25		1344	1.68
	1909	4.75		1935	5.17
5 TU	0127	1.59	20 WE	0156	1.09
	0755	5.33		0816	6.11
	1413	1.96		1447	1.37
	1956	4.89		2035	5.29
6 WE	0208	1.36	21 TH	0251	0.91
	0833	5.65		0906	6.39
	1454	1.71		1538	1.15
	2037	5.01		2126	5.38
7 TH	0246	1.17	22 FR	0339	0.81
	0908	5.91		0950	6.54
	1533	1.52		1623	1.04
	2115	5.11		2209	5.42
8 FR	0324	1.02	23 SA	0421	0.77
	0943	6.12		1029	6.58
	1611	1.37		1702	1.02
	2153	5.19		2248	5.42
9 SA	0402	0.90	24 SU ○	0458	0.81
	1018	6.30		1106	6.54
	1650	1.25		1738	1.06
	2232	5.27		2324	5.39
10 SU ●	0441	0.81	25 MO	0532	0.92
	1054	6.43		1140	6.40
	1729	1.16		1810	1.16
	2313	5.32		2359	5.31
11 MO	0521	0.79	26 TU	0605	1.11
	1133	6.48		1213	6.19
	1810	1.12		1841	1.30
	2355	5.33			
12 TU	0602	0.87	27 WE	0031	5.18
	1213	6.42		0636	1.36
	1852	1.15		1245	5.90
				1911	1.49
13 WE	0039	5.28	28 TH	0104	5.02
	0645	1.04		0706	1.67
	1255	6.26		1316	5.55
	1935	1.23		1942	1.71
14 TH	0127	5.19	29 FR	0139	4.82
	0731	1.31		0739	2.04
	1342	5.99		1350	5.16
	2022	1.36		2017	1.96
15 FR	0221	5.09	30 SA	0222	4.60
	0825	1.62		0821	2.42
	1436	5.66		1434	4.76
	2117	1.47		2105	2.21
			31 SU	0324	4.43
				0927	2.76
				1540	4.41
				2216	2.36

FEBRUARY

	Time	m		Time	m
1 MO ◐	0452	4.43	16 TU	0542	5.36
	1116	2.84		1217	2.08
	1709	4.27		1815	4.78
	2339	2.29			
2 TU	0617	4.69	17 WE	0036	1.65
	1244	2.59		0704	5.68
	1827	4.40		1339	1.74
				1935	5.00
3 WE	0043	2.03	18 TH	0147	1.38
	0716	5.09		0806	6.05
	1342	2.22		1440	1.37
	1925	4.64		2033	5.26
4 TH	0134	1.71	19 FR	0243	1.13
	0801	5.51		0855	6.30
	1428	1.87		1527	1.14
	2012	4.90		2119	5.44
5 FR	0219	1.40	20 SA	0329	0.98
	0841	5.88		0936	6.43
	1509	1.56		1607	1.04
	2054	5.14		2157	5.53
6 SA	0302	1.12	21 SU	0409	0.93
	0919	6.20		1012	6.44
	1550	1.30		1642	1.03
	2134	5.37		2232	5.57
7 SU	0344	0.88	22 MO	0443	0.95
	0957	6.47		1045	6.39
	1630	1.07		1713	1.06
	2216	5.57		2303	5.59
8 MO	0427	0.69	23 TU ○	0514	1.02
	1037	6.67		1116	6.28
	1711	0.89		1741	1.12
	2257	5.74		2333	5.57
9 TU ●	0510	0.59	24 WE	0543	1.14
	1117	6.76		1145	6.10
	1752	0.78		1807	1.22
	2340	5.84			
10 WE	0553	0.61	25 TH	0001	5.50
	1158	6.70		0609	1.33
	1833	0.79		1212	5.85
				1831	1.37
11 TH	0024	5.84	26 FR	0028	5.38
	0636	0.79		0636	1.60
	1240	6.47		1238	5.53
	1913	0.92		1855	1.58
12 FR	0109	5.73	27 SA	0056	5.19
	0721	1.10		0703	1.92
	1324	6.09		1305	5.15
	1956	1.14		1922	1.85
13 SA	0200	5.55	28 SU	0129	4.95
	0811	1.50		0737	2.28
	1415	5.61		1337	4.73
	2046	1.42		1956	2.15
14 SU	0300	5.36	29 MO	0213	4.69
	0914	1.91		0824	2.65
	1519	5.14		1425	4.33
	2150	1.67		2046	2.45
15 MO ◑	0415	5.25			
	1038	2.16			
	1642	4.81			
	2311	1.77			

MARCH

	Time	m		Time	m
1 TU	0322	4.50	16 WE ◑	0520	5.37
	0951	2.90		1207	2.04
	1554	4.05		1810	4.63
	2216	2.59			
2 WE ◐	0506	4.56	17 TH	0020	1.92
	1153	2.76		0645	5.61
	1741	4.13		1326	1.67
	2352	2.41		1927	4.97
3 TH	0628	4.92	18 FR	0134	1.61
	1306	2.35		0747	5.92
	1853	4.47		1422	1.32
				2020	5.31
4 FR	0057	2.02	19 SA	0229	1.33
	0724	5.39		0834	6.13
	1358	1.90		1506	1.11
	1946	4.87		2102	5.54
5 SA	0151	1.60	20 SU	0313	1.16
	0810	5.84		0914	6.21
	1442	1.50		1543	1.03
	2031	5.25		2138	5.66
6 SU	0239	1.22	21 MO	0350	1.10
	0852	6.23		0949	6.20
	1524	1.15		1615	1.02
	2114	5.59		2211	5.72
7 MO	0325	0.89	22 TU	0423	1.11
	0933	6.54		1021	6.13
	1606	0.85		1644	1.04
	2156	5.90		2239	5.76
8 TU	0410	0.64	23 WE ○	0453	1.15
	1014	6.75		1049	6.02
	1648	0.62		1709	1.07
	2238	6.16		2307	5.78
9 WE ●	0455	0.49	24 TH	0520	1.24
	1056	6.83		1116	5.86
	1729	0.49		1733	1.15
	2321	6.31		2332	5.74
10 TH	0539	0.48	25 FR	0546	1.39
	1138	6.72		1141	5.63
	1809	0.51		1755	1.27
				2358	5.65
11 FR	0005	6.33	26 SA	0612	1.60
	0624	0.66		1205	5.35
	1221	6.41		1817	1.47
	1849	0.70			
12 SA	0050	6.20	27 SU	0024	5.49
	0709	1.01		0638	1.86
	1306	5.94		1231	5.01
	1930	1.02		1842	1.72
13 SU	0139	5.94	28 MO	0052	5.27
	0800	1.45		0709	2.16
	1357	5.39		1301	4.66
	2019	1.43		1911	2.00
14 MO	0237	5.63	29 TU	0128	5.03
	0902	1.88		0750	2.47
	1502	4.87		1341	4.31
	2121	1.81		1951	2.31
15 TU	0350	5.39	30 WE	0220	4.79
	1026	2.14		0858	2.71
	1629	4.55		1454	4.03
	2247	2.03		2102	2.56
			31 TH	0349	4.69
				1051	2.68
				1650	4.04
				2252	2.54

APRIL

	Time	m		Time	m
1 FR ◐	0530	4.91	16 SA	0109	1.83
	1220	2.29		0716	5.68
	1817	4.42		1352	1.34
				1956	5.28
2 SA	0017	2.18	17 SU	0204	1.56
	0640	5.34		0806	5.83
	1320	1.81		1435	1.15
	1916	4.90		2038	5.54
3 SU	0120	1.73	18 MO	0248	1.39
	0734	5.80		0846	5.89
	1409	1.35		1511	1.06
	2005	5.38		2114	5.69
4 MO	0213	1.30	19 TU	0326	1.32
	0821	6.18		0921	5.86
	1455	0.97		1543	1.04
	2050	5.81		2145	5.79
5 TU	0304	0.95	20 WE	0359	1.29
	0905	6.46		0952	5.79
	1538	0.65		1611	1.03
	2134	6.18		2214	5.86
6 WE	0352	0.68	21 TH	0430	1.30
	0949	6.61		1021	5.68
	1621	0.42		1637	1.05
	2218	6.48		2242	5.90
7 TH ●	0438	0.51	22 FR ○	0459	1.35
	1033	6.62		1049	5.53
	1703	0.31		1701	1.10
	2301	6.66		2307	5.88
8 FR	0524	0.50	23 SA	0527	1.46
	1117	6.47		1115	5.34
	1743	0.37		1724	1.21
	2346	6.68		2333	5.81
9 SA	0611	0.66	24 SU	0553	1.61
	1202	6.13		1141	5.11
	1825	0.59		1749	1.37
10 SU	0032	6.52	25 MO	0000	5.69
	0658	0.98		0621	1.81
	1250	5.65		1209	4.85
	1908	0.97		1816	1.58
11 MO	0121	6.21	26 TU	0028	5.52
	0750	1.39		0653	2.02
	1344	5.13		1240	4.59
	1956	1.43		1846	1.82
12 TU	0217	5.84	27 WE	0103	5.32
	0852	1.78		0734	2.23
	1448	4.67		1323	4.33
	2057	1.87		1926	2.08
13 WE	0325	5.51	28 TH	0151	5.12
	1011	2.00		0834	2.39
	1613	4.43		1429	4.14
	2219	2.15		2028	2.33
14 TH ◑	0449	5.36	29 FR	0303	4.99
	1143	1.93		1003	2.37
	1751	4.56		1606	4.15
	2353	2.10		2202	2.40
15 FR	0613	5.47	30 SA ◐	0435	5.07
	1257	1.63		1130	2.07
	1904	4.92		1736	4.49
				2334	2.17

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +10:00)

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

HAY POINT – QUEENSLAND

LAT 21° 16’ LONG 149° 18’

Times and Heights of High and Low Waters

2016

Local Time

MAY

	Time	m		Time	m
1 SU	0554	5.37	16 MO	0130	1.86
	1238	1.64		0728	5.42
	1843	4.98		1355	1.29
				2007	5.39
2 MO	0047	1.78	17 TU	0218	1.68
	0656	5.72		0811	5.47
	1333	1.20		1433	1.17
	1937	5.49		2044	5.60
3 TU	0147	1.39	18 WE	0258	1.55
	0749	6.02		0849	5.46
	1424	0.83		1506	1.10
	2027	5.94		2118	5.76
4 WE	0243	1.05	19 TH	0335	1.47
	0839	6.20		0923	5.41
	1510	0.55		1537	1.06
	2113	6.33		2149	5.86
5 TH	0334	0.80	20 FR	0408	1.43
	0926	6.27		0954	5.33
	1555	0.37		1605	1.05
	2158	6.63		2218	5.92
6 FR	0423	0.64	21 SA	0439	1.44
	1013	6.23		1024	5.22
	1638	0.29		1633	1.08
	2243	6.81		2246	5.94
7 SA ●	0512	0.61	22 SU ○	0510	1.48
	1100	6.06		1053	5.08
	1721	0.36		1701	1.15
	2329	6.83		2314	5.91
8 SU	0600	0.72	23 MO	0540	1.57
	1148	5.76		1123	4.94
	1804	0.58		1729	1.26
				2343	5.84
9 MO	0016	6.67	24 TU	0612	1.68
	0648	0.96		1155	4.78
	1238	5.38		1800	1.40
	1849	0.94			
10 TU	0104	6.36	25 WE	0015	5.73
	0739	1.28		0647	1.81
	1331	4.97		1233	4.62
	1937	1.37		1835	1.59
11 WE	0156	5.97	26 TH	0052	5.59
	0836	1.60		0728	1.93
	1432	4.63		1318	4.47
	2033	1.81		1917	1.80
12 TH	0257	5.60	27 FR	0139	5.44
	0943	1.81		0822	2.00
	1545	4.44		1417	4.36
	2145	2.13		2014	2.00
13 FR	0408	5.34	28 SA	0239	5.31
	1100	1.83		0931	1.97
	1710	4.50		1534	4.40
	2310	2.22		2131	2.12
14 SA ◑	0526	5.26	29 SU ◐	0354	5.28
	1212	1.68		1047	1.77
	1826	4.78		1657	4.65
				2257	2.04
15 SU	0030	2.08	30 MO	0513	5.39
	0634	5.33		1157	1.45
	1309	1.47		1809	5.07
	1923	5.11			
			31 TU	0016	1.80
				0621	5.57
				1259	1.11
				1911	5.54

JUNE

	Time	m		Time	m
1 WE	0124	1.49	16 TH	0229	1.78
	0722	5.72		0817	5.05
	1354	0.80		1429	1.23
	2005	5.98		2051	5.63
2 TH	0225	1.19	17 FR	0310	1.62
	0817	5.81		0855	5.06
	1446	0.58		1505	1.13
	2055	6.35		2124	5.79
3 FR	0321	0.96	18 SA	0347	1.51
	0908	5.82		0930	5.04
	1533	0.44		1537	1.08
	2143	6.62		2156	5.90
4 SA	0413	0.80	19 SU	0422	1.45
	0958	5.77		1003	5.01
	1620	0.39		1609	1.05
	2230	6.78		2226	5.97
5 SU ●	0503	0.73	20 MO ○	0455	1.42
	1047	5.65		1036	4.97
	1704	0.44		1642	1.05
	2315	6.80		2258	6.01
6 MO	0551	0.77	21 TU	0529	1.42
	1136	5.47		1110	4.93
	1748	0.61		1715	1.07
				2331	6.02
7 TU	0001	6.67	22 WE	0605	1.43
	0637	0.92		1147	4.88
	1225	5.23		1751	1.15
	1833	0.89			
8 WE	0047	6.40	23 TH	0006	5.98
	0723	1.15		0642	1.48
	1314	4.96		1227	4.82
	1918	1.26		1830	1.28
9 TH	0134	6.04	24 FR	0044	5.88
	0812	1.41		0723	1.53
	1406	4.71		1312	4.74
	2006	1.65		1913	1.46
10 FR	0224	5.65	25 SA	0128	5.74
	0905	1.63		0810	1.58
	1505	4.52		1405	4.68
	2103	2.02		2004	1.66
11 SA	0321	5.30	26 SU	0220	5.56
	1005	1.77		0905	1.59
	1614	4.46		1509	4.69
	2213	2.27		2109	1.85
12 SU ◑	0428	5.05	27 MO	0324	5.39
	1112	1.78		1011	1.52
	1731	4.58		1625	4.83
	2335	2.32		2228	1.93
13 MO	0539	4.95	28 TU ◐	0439	5.29
	1215	1.67		1122	1.36
	1838	4.84		1740	5.13
				2351	1.84
14 TU	0047	2.18	29 WE	0554	5.28
	0642	4.96		1229	1.13
	1308	1.51		1849	5.53
	1930	5.14			
15 WE	0144	1.98	30 TH	0107	1.61
	0733	5.01		0702	5.33
	1351	1.35		1331	0.90
	2013	5.41		1950	5.93

JULY

	Time	m		Time	m
1 FR	0215	1.33	16 SA	0246	1.73
	0804	5.38		0829	4.79
	1428	0.71		1434	1.25
	2045	6.27		2059	5.69
2 SA	0315	1.08	17 SU	0325	1.53
	0900	5.42		0907	4.88
	1520	0.58		1512	1.10
	2134	6.52		2133	5.88
3 SU	0408	0.89	18 MO	0402	1.39
	0952	5.42		0943	4.96
	1608	0.52		1548	0.98
	2220	6.66		2206	6.03
4 MO ●	0455	0.79	19 TU	0437	1.27
	1039	5.40		1018	5.03
	1653	0.53		1625	0.89
	2303	6.68		2240	6.16
5 TU	0539	0.79	20 WE ○	0514	1.16
	1124	5.33		1056	5.11
	1735	0.64		1703	0.83
	2345	6.58		2316	6.24
6 WE	0621	0.87	21 TH	0551	1.09
	1208	5.22		1136	5.16
	1816	0.84		1743	0.84
				2353	6.24
7 TH	0026	6.35	22 FR	0630	1.07
	0701	1.04		1217	5.16
	1251	5.05		1824	0.94
	1855	1.14			
8 FR	0106	6.02	23 SA	0032	6.14
	0740	1.26		0709	1.11
	1334	4.85		1301	5.11
	1935	1.50		1906	1.14
9 SA	0147	5.64	24 SU	0114	5.93
	0821	1.50		0751	1.20
	1420	4.65		1349	5.04
	2019	1.88		1954	1.40
10 SU	0232	5.23	25 MO	0202	5.64
	0907	1.72		0841	1.31
	1514	4.49		1448	4.97
	2113	2.24		2053	1.69
11 MO	0325	4.86	26 TU	0300	5.31
	1004	1.88		0940	1.40
	1623	4.43		1559	4.99
	2228	2.48		2207	1.90
12 TU ◑	0434	4.58	27 WE ◐	0414	5.03
	1113	1.92		1052	1.40
	1742	4.55		1717	5.16
	2357	2.47		2335	1.91
13 WE	0549	4.49	28 TH	0536	4.90
	1217	1.81		1207	1.28
	1850	4.82		1834	5.48
14 TH	0109	2.25	29 FR	0102	1.69
	0654	4.55		0655	4.95
	1310	1.62		1318	1.07
	1941	5.15		1942	5.87
15 FR	0202	1.98	30 SA	0214	1.35
	0747	4.67		0803	5.09
	1355	1.42		1420	0.86
	2022	5.45		2039	6.20
			31 SU	0312	1.05
				0900	5.23
				1514	0.69
				2126	6.42

AUGUST

	Time	m		Time	m
1 MO	0402	0.85	16 TU	0337	1.24
	0947	5.31		0921	5.06
	1600	0.61		1527	0.90
	2209	6.52		2142	6.12
2 TU	0444	0.77	17 WE	0414	1.03
	1030	5.35		0958	5.25
	1642	0.60		1608	0.72
	2249	6.52		2218	6.31
3 WE ●	0523	0.76	18 TH ○	0452	0.85
	1109	5.35		1037	5.42
	1720	0.68		1649	0.59
	2326	6.42		2256	6.43
4 TH	0558	0.83	19 FR	0531	0.72
	1146	5.30		1118	5.55
	1756	0.83		1731	0.57
				2336	6.42
5 FR	0002	6.22	20 SA	0609	0.67
	0631	0.97		1200	5.59
	1222	5.18		1813	0.67
	1830	1.08			
6 SA	0036	5.92	21 SU	0016	6.26
	0703	1.16		0649	0.75
	1258	5.02		1244	5.54
	1903	1.41		1857	0.92
7 SU	0109	5.54	22 MO	0057	5.95
	0735	1.40		0730	0.93
	1334	4.82		1332	5.40
	1937	1.78		1944	1.26
8 MO	0142	5.13	23 TU	0144	5.52
	0809	1.67		0815	1.17
	1415	4.59		1427	5.24
	2017	2.17		2041	1.63
9 TU	0224	4.69	24 WE	0242	5.06
	0852	1.94		0914	1.42
	1512	4.40		1537	5.12
	2117	2.53		2157	1.91
10 WE	0323	4.29	25 TH ◐	0359	4.68
	0956	2.15		1030	1.56
	1632	4.34		1701	5.18
	2256	2.68		2331	1.93
11 TH ◑	0450	4.08	26 FR	0532	4.57
	1120	2.16		1154	1.49
	1800	4.53		1825	5.46
12 FR	0033	2.47	27 SA	0102	1.63
	0616	4.15		0659	4.75
	1229	1.96		1311	1.24
	1905	4.88		1935	5.84
13 SA	0135	2.12	28 SU	0210	1.22
	0718	4.37		0805	5.04
	1322	1.67		1415	0.96
	1951	5.26		2029	6.15
14 SU	0220	1.78	29 MO	0303	0.91
	0804	4.63		0856	5.28
	1406	1.38		1506	0.76
	2030	5.60		2114	6.32
15 MO	0300	1.48	30 TU	0347	0.75
	0843	4.86		0938	5.40
	1447	1.12		1550	0.68
	2106	5.88		2154	6.36
			31 WE	0425	0.71
				1015	5.46
				1628	0.68
				2230	6.31

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +10:00)

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

HAY POINT – QUEENSLAND

LAT 21° 16’ LONG 149° 18’

Times and Heights of High and Low Waters

2016

Local Time

SEPTEMBER

	Time	m		Time	m
1 TH ●	0459	0.74	16 FR	0425	0.55
	1049	5.47		1016	5.81
	1702	0.76		1632	0.46
	2303	6.19		2233	6.48
2 FR	0530	0.81	17 SA ○	0506	0.40
	1122	5.45		1058	5.99
	1734	0.90		1715	0.42
	2334	5.99		2314	6.42
3 SA	0558	0.92	18 SU	0545	0.37
	1152	5.37		1141	6.05
	1803	1.11		1800	0.53
				2356	6.19
4 SU	0003	5.71	19 MO	0624	0.50
	0624	1.09		1225	5.98
	1221	5.23		1845	0.81
	1831	1.39			
5 MO	0031	5.36	20 TU	0040	5.78
	0649	1.32		0706	0.77
	1250	5.04		1313	5.77
	1900	1.73		1935	1.19
6 TU	0059	4.96	21 WE	0130	5.28
	0715	1.60		0752	1.13
	1323	4.79		1409	5.51
	1932	2.09		2034	1.59
7 WE	0130	4.53	22 TH	0230	4.77
	0747	1.92		0851	1.51
	1406	4.52		1519	5.28
	2018	2.46		2152	1.86
8 TH	0216	4.10	23 FR ◐	0352	4.41
	0834	2.25		1011	1.75
	1514	4.31		1644	5.23
	2143	2.72		2328	1.82
9 FR ◑	0341	3.79	24 SA	0532	4.42
	1000	2.44		1143	1.69
	1656	4.33		1810	5.45
	2351	2.60			
10 SA	0534	3.85	25 SU	0054	1.48
	1141	2.29		0657	4.75
	1819	4.66		1302	1.39
				1919	5.78
11 SU	0101	2.20	26 MO	0156	1.09
	0647	4.18		0756	5.14
	1246	1.93		1403	1.07
	1913	5.10		2011	6.04
12 MO	0148	1.77	27 TU	0244	0.81
	0736	4.57		0842	5.42
	1336	1.53		1451	0.87
	1956	5.52		2055	6.14
13 TU	0228	1.39	28 WE	0325	0.70
	0817	4.94		0921	5.56
	1421	1.16		1533	0.81
	2035	5.88		2132	6.12
14 WE	0307	1.06	29 TH	0359	0.70
	0856	5.27		0954	5.62
	1505	0.85		1609	0.84
	2114	6.17		2205	6.02
15 TH	0346	0.78	30 FR	0430	0.74
	0936	5.56		1026	5.64
	1548	0.61		1640	0.91
	2153	6.38		2236	5.88

OCTOBER

	Time	m		Time	m
1 SA ●	0458	0.81	16 SU ○	0438	0.21
	1055	5.63		1037	6.39
	1710	1.03		1700	0.42
	2306	5.69		2253	6.24
2 SU	0523	0.90	17 MO	0520	0.22
	1122	5.58		1121	6.46
	1739	1.20		1747	0.52
	2332	5.44		2338	5.96
3 MO	0546	1.05	18 TU	0601	0.38
	1149	5.47		1207	6.37
	1805	1.43		1836	0.77
	2358	5.13			
4 TU	0609	1.27	19 WE	0026	5.55
	1215	5.29		0644	0.71
	1832	1.71		1257	6.12
				1928	1.13
5 WE	0024	4.78	20 TH	0118	5.06
	0633	1.53		0732	1.13
	1244	5.05		1352	5.79
	1902	2.02		2028	1.49
6 TH	0052	4.41	21 FR	0222	4.61
	0700	1.84		0831	1.56
	1318	4.79		1458	5.48
	1942	2.33		2142	1.71
7 FR	0130	4.04	22 SA	0342	4.35
	0738	2.17		0949	1.86
	1409	4.52		1618	5.32
	2047	2.59		2309	1.68
8 SA	0239	3.74	23 SU ◐	0517	4.42
	0843	2.46		1120	1.86
	1536	4.39		1742	5.40
	2243	2.58			
9 SU ◑	0440	3.73	24 MO	0028	1.41
	1035	2.49		0638	4.77
	1718	4.60		1240	1.61
				1851	5.61
10 MO	0012	2.21	25 TU	0128	1.10
	0607	4.10		0735	5.17
	1202	2.14		1341	1.32
	1825	5.01		1944	5.79
11 TU	0106	1.74	26 WE	0215	0.87
	0702	4.59		0820	5.48
	1302	1.69		1429	1.13
	1916	5.46		2027	5.84
12 WE	0151	1.28	27 TH	0255	0.77
	0748	5.07		0858	5.65
	1352	1.26		1510	1.06
	2001	5.85		2105	5.80
13 TH	0234	0.90	28 FR	0328	0.77
	0830	5.50		0931	5.74
	1441	0.90		1546	1.07
	2043	6.14		2138	5.70
14 FR	0316	0.58	29 SA	0358	0.79
	0912	5.87		1002	5.79
	1527	0.63		1619	1.11
	2126	6.31		2209	5.56
15 SA	0357	0.35	30 SU	0425	0.84
	0954	6.18		1030	5.81
	1613	0.47		1649	1.19
	2209	6.35		2239	5.39
			31 MO ●	0450	0.92
				1058	5.77
				1718	1.32
				2306	5.17

NOVEMBER

	Time	m		Time	m
1 TU	0514	1.05	16 WE	0541	0.37
	1123	5.68		1152	6.66
	1746	1.49		1826	0.77
	2332	4.93			
2 WE	0538	1.23	17 TH	0014	5.38
	1149	5.54		0626	0.68
	1813	1.70		1241	6.41
	2359	4.66		1918	1.04
3 TH	0603	1.46	18 FR	0108	5.00
	1217	5.34		0715	1.09
	1843	1.93		1335	6.07
				2015	1.34
4 FR	0029	4.38	19 SA	0208	4.66
	0632	1.72		0810	1.52
	1250	5.12		1433	5.70
	1922	2.16		2119	1.56
5 SA	0108	4.11	20 SU	0317	4.45
	0709	2.01		0918	1.87
	1334	4.90		1542	5.42
	2017	2.34		2232	1.62
6 SU	0207	3.89	21 MO ◐	0440	4.46
	0803	2.28		1040	2.02
	1440	4.73		1658	5.30
	2141	2.37		2345	1.51
7 MO	0341	3.86	22 TU	0600	4.71
	0932	2.42		1203	1.94
	1611	4.76		1809	5.33
	2310	2.11			
8 TU ◑	0517	4.16	23 WE	0047	1.31
	1110	2.24		0702	5.06
	1732	5.04		1309	1.73
				1908	5.41
9 WE	0017	1.69	24 TH	0137	1.13
	0623	4.66		0751	5.38
	1223	1.85		1402	1.54
	1833	5.41		1955	5.45
10 TH	0111	1.23	25 FR	0219	1.00
	0716	5.19		0832	5.61
	1323	1.43		1446	1.41
	1925	5.74		2036	5.44
11 FR	0159	0.83	26 SA	0255	0.94
	0804	5.69		0907	5.77
	1417	1.07		1524	1.35
	2014	5.97		2112	5.38
12 SA	0246	0.52	27 SU	0326	0.92
	0849	6.11		0939	5.88
	1507	0.79		1559	1.33
	2101	6.08		2145	5.28
13 SU	0330	0.30	28 MO	0355	0.93
	0934	6.44		1009	5.93
	1557	0.61		1632	1.35
	2147	6.07		2216	5.16
14 MO ○	0413	0.19	29 TU ●	0423	0.98
	1019	6.67		1037	5.92
	1647	0.54		1703	1.42
	2235	5.95		2245	5.01
15 TU	0457	0.21	30 WE	0450	1.06
	1105	6.75		1105	5.87
	1736	0.59		1732	1.52
	2323	5.71		2314	4.85

DECEMBER

	Time	m		Time	m
1 TH	0517	1.19	16 FR	0002	5.38
	1132	5.78		0612	0.66
	1802	1.65		1226	6.62
	2344	4.69		1904	0.96
2 FR	0546	1.35	17 SA	0052	5.13
	1202	5.65		0658	1.00
	1834	1.79		1313	6.29
				1953	1.21
3 SA	0017	4.52	18 SU	0144	4.88
	0618	1.54		0747	1.41
	1236	5.50		1403	5.90
	1911	1.93		2044	1.46
4 SU	0057	4.36	19 MO	0241	4.66
	0655	1.77		0841	1.81
	1316	5.33		1459	5.51
	1958	2.04		2141	1.65
5 MO	0149	4.23	20 TU	0347	4.55
	0744	2.01		0947	2.14
	1410	5.18		1603	5.19
	2101	2.07		2247	1.72
6 TU	0259	4.19	21 WE ◐	0504	4.59
	0853	2.19		1108	2.29
	1519	5.09		1715	5.02
	2215	1.94		2353	1.67
7 WE ◑	0424	4.36	22 TH	0619	4.83
	1020	2.21		1228	2.20
	1639	5.15		1824	4.99
	2327	1.65			
8 TH	0541	4.76	23 FR	0052	1.53
	1143	1.99		0717	5.14
	1751	5.34		1331	2.01
				1921	5.03
9 FR	0031	1.28	24 SA	0140	1.37
	0645	5.26		0803	5.44
	1254	1.66		1420	1.80
	1853	5.54		2008	5.08
10 SA	0127	0.92	25 SU	0221	1.24
	0740	5.77		0843	5.69
	1356	1.32		1502	1.63
	1949	5.69		2048	5.10
11 SU	0219	0.64	26 MO	0258	1.14
	0831	6.21		0918	5.86
	1453	1.04		1540	1.52
	2042	5.76		2124	5.09
12 MO	0308	0.44	27 TU	0330	1.09
	0919	6.55		0950	5.97
	1547	0.84		1615	1.47
	2133	5.76		2157	5.06
13 TU	0355	0.33	28 WE	0402	1.07
	1006	6.79		1020	6.02
	1638	0.72		1648	1.46
	2223	5.69		2228	5.01
14 WE ○	0441	0.32	29 TH ●	0432	1.07
	1052	6.89		1049	6.04
	1728	0.69		1720	1.48
	2313	5.57		2300	4.97
15 TH	0527	0.43	30 FR	0503	1.10
	1139	6.83		1119	6.04
	1816	0.78		1751	1.51
				2332	4.92
			31 SA	0535	1.17
				1150	5.99
				1825	1.56

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Datum of Predictions is Lowest Astronomical Tide

Times are in local standard time (Time Zone UTC +10:00)

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