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# MACKAY OUTER HARBOUR – QUEENSLAND

LAT 21° 7' LONG 149° 14'

Times and Heights of High and Low Waters

# 2018

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b> 0355 0.25		<b>16</b> 0420 0.96		<b>1</b> 0520 0.20		<b>16</b> 0501 0.92		<b>1</b> 0424 0.35		<b>16</b> 0409 0.98		<b>1</b> 0529 0.62		<b>16</b> 0458 0.82	
1009 6.32		1039 5.58		1129 6.56		1111 5.65		1028 6.43		1014 5.62		1123 5.79		1050 5.48	
MO 1643 0.60		TU 1709 1.27		TH 1805 0.41		FR 1741 1.13		TH 1703 0.39		FR 1643 0.96		SU 1746 0.54		MO 1715 0.62	
2227 5.10		2250 4.52		2353 5.28		● 2327 4.85		2252 5.48		2233 5.12		2346 5.64		● 2317 5.68	
<b>2</b> 0443 0.18		<b>17</b> 0448 0.97		<b>2</b> 0605 0.31		<b>17</b> 0533 0.93		<b>2</b> 0507 0.30		<b>17</b> 0442 0.88		<b>2</b> 0605 0.84		<b>17</b> 0537 0.87	
1056 6.47		1106 5.56		1213 6.40		1140 5.61		1109 6.40		1044 5.66		1159 5.44		1127 5.31	
TU 1734 0.51		WE 1738 1.30		FR 1847 0.51		SA 1810 1.14		FR 1741 0.38		SA 1713 0.89		MO 1817 0.76		TU 1749 0.69	
○ 2318 5.07		● 2318 4.49				2359 4.86		○ 2333 5.54		● 2305 5.24				2355 5.68	
<b>3</b> 0531 0.22		<b>18</b> 0516 1.00		<b>3</b> 0038 5.19		<b>18</b> 0605 1.03		<b>3</b> 0548 0.40		<b>18</b> 0516 0.86		<b>3</b> 0021 5.48		<b>18</b> 0618 1.01	
1144 6.48		1133 5.52		0649 0.57		1210 5.50		1149 6.20		1115 5.62		0640 1.17		1206 5.04	
WE 1822 0.52		TH 1805 1.35		SA 1256 6.07		SU 1839 1.20		SA 1818 0.49		SU 1743 0.87		TU 1233 5.00		WE 1824 0.86	
		2347 4.47		1929 0.73						2338 5.30		1845 1.07			
<b>4</b> 0009 4.98		<b>19</b> 0546 1.07		<b>4</b> 0123 5.01		<b>19</b> 0032 4.82		<b>4</b> 0012 5.47		<b>19</b> 0551 0.93		<b>4</b> 0056 5.23		<b>19</b> 0036 5.58	
0619 0.38		1201 5.45		0732 0.96		0638 1.21		0627 0.65		1148 5.48		0717 1.55		0702 1.25	
TH 1232 6.32		FR 1834 1.40		SU 1340 5.62		MO 1241 5.30		SU 1228 5.85		MO 1813 0.93		WE 1307 4.53		TH 1250 4.69	
1911 0.62				2010 1.02		1910 1.31		1853 0.72				1914 1.44		1903 1.12	
<b>5</b> 0100 4.84		<b>20</b> 0018 4.42		<b>5</b> 0211 4.78		<b>20</b> 0109 4.74		<b>5</b> 0052 5.30		<b>20</b> 0012 5.28		<b>5</b> 0132 4.91		<b>20</b> 0124 5.39	
0707 0.65		0618 1.19		0819 1.42		0716 1.45		0706 1.03		0626 1.11		0757 1.95		0755 1.51	
FR 1321 6.03		SA 1231 5.33		MO 1427 5.11		TU 1317 5.03		MO 1306 5.38		TU 1221 5.23		TH 1346 4.06		FR 1343 4.31	
2000 0.81		1905 1.48		2056 1.33		1946 1.45		1928 1.05		1844 1.07		1947 1.83		1953 1.44	
<b>6</b> 0153 4.66		<b>21</b> 0052 4.35		<b>6</b> 0305 4.55		<b>21</b> 0153 4.64		<b>6</b> 0132 5.04		<b>21</b> 0050 5.19		<b>6</b> 0216 4.58		<b>21</b> 0224 5.17	
0757 1.02		0652 1.37		0914 1.87		0801 1.74		0746 1.49		0706 1.36		0853 2.28		0905 1.71	
SA 1412 5.65		SU 1304 5.16		TU 1521 4.61		WE 1401 4.70		TU 1345 4.85		WE 1258 4.90		FR 1443 3.66		SA 1459 4.03	
2051 1.03		1939 1.57		2151 1.62		2033 1.61		2003 1.42		1918 1.28		2035 2.22		2104 1.72	
<b>7</b> 0250 4.50		<b>22</b> 0132 4.27		<b>7</b> 0415 4.40		<b>22</b> 0253 4.54		<b>7</b> 0215 4.74		<b>22</b> 0133 5.04		<b>7</b> 0324 4.30		<b>22</b> 0342 5.04	
0853 1.41		0732 1.60		1031 2.20		0906 2.01		0832 1.95		0753 1.66		1037 2.43		1033 1.70	
SU 1508 5.24		MO 1343 4.95		WE 1634 4.24		TH 1508 4.36		WE 1430 4.32		TH 1344 4.51		SA 1628 3.47		SU 1635 4.00	
2147 1.22		2022 1.65		2303 1.78		2143 1.74		2046 1.80		2004 1.53		2209 2.48		2238 1.80	
<b>8</b> 0356 4.40		<b>23</b> 0223 4.20		<b>8</b> 0541 4.44		<b>23</b> 0418 4.56		<b>8</b> 0312 4.45		<b>23</b> 0232 4.87		<b>8</b> 0508 4.24		<b>23</b> 0510 5.10	
0959 1.76		0822 1.86		1212 2.22		1042 2.12		0939 2.33		0900 1.93		1221 2.22		1200 1.44	
MO 1613 4.88		TU 1433 4.71		TH 1802 4.10		FR 1643 4.18		TH 1537 3.88		FR 1454 4.14		SU 1819 3.66		MO 1808 4.29	
2251 1.34		2118 1.70		● 0021 1.75		● 2315 1.70		2151 2.12		2114 1.78		● 0000 2.38		● 0009 1.60	
<b>9</b> 0512 4.44		<b>24</b> 0333 4.20		<b>9</b> 0659 4.68		<b>24</b> 0549 4.83		<b>9</b> 0438 4.29		<b>24</b> 0354 4.79		<b>9</b> 0632 4.46		<b>24</b> 0628 5.35	
1122 1.93		0933 2.07		0659 4.68		1221 1.89		1134 2.41		1035 2.00		MO 1319 1.89		TU 1312 1.07	
TU 1725 4.64		WE 1544 4.50		FR 1332 1.97		SA 1817 4.28		FR 1724 3.71		SA 1635 3.99		1918 4.00		1918 4.73	
● 2359 1.34		2232 1.65		1918 4.19				● 2329 2.22		2251 1.84					
<b>10</b> 0627 4.64		<b>25</b> 0458 4.38		<b>10</b> 0126 1.59		<b>25</b> 0037 1.44		<b>10</b> 0617 4.43		<b>25</b> 0529 4.95		<b>10</b> 0106 2.07		<b>25</b> 0123 1.27	
1244 1.88		1107 2.09		0755 4.99		0706 5.27		1306 2.14		1214 1.73		0723 4.76		0732 5.59	
WE 1836 4.55		TH 1710 4.43		SA 1426 1.68		SU 1341 1.48		SA 1857 3.90		SU 1816 4.20		TU 1359 1.58		WE 1408 0.74	
		● 2349 1.46		2013 4.37		1933 4.56						1957 4.34		2013 5.12	
<b>11</b> 0102 1.25		<b>26</b> 0615 4.77		<b>11</b> 0215 1.40		<b>26</b> 0147 1.10		<b>11</b> 0052 2.04		<b>26</b> 0024 1.60		<b>11</b> 0151 1.75		<b>26</b> 0222 0.99	
0729 4.93		1234 1.85		0839 5.25		0808 5.72		0723 4.73		0650 5.32		0802 5.02		0822 5.73	
TH 1351 1.69		FR 1828 4.52		SU 1507 1.45		MO 1444 1.05		SU 1401 1.79		MO 1332 1.29		WE 1433 1.32		TH 1455 0.55	
1937 4.55				2055 4.52		2034 4.88		1953 4.20		1932 4.61		2029 4.65		2058 5.39	
<b>12</b> 0154 1.13		<b>27</b> 0057 1.17		<b>12</b> 0256 1.24		<b>27</b> 0246 0.77		<b>12</b> 0148 1.76		<b>27</b> 0138 1.23		<b>12</b> 0229 1.46		<b>27</b> 0312 0.82	
0819 5.19		0721 5.25		0915 5.42		0900 6.09		0808 5.03		0753 5.71		0835 5.24		0907 5.74	
FR 1443 1.49		SA 1347 1.49		MO 1543 1.30		TU 1536 0.72		MO 1440 1.51		TU 1431 0.88		TH 1505 1.10		FR 1536 0.47	
2028 4.58		1936 4.69		2131 4.62		2126 5.14		2032 4.46		2029 5.00		2100 4.91		2138 5.57	
<b>13</b> 0239 1.04		<b>28</b> 0158 0.86		<b>13</b> 0331 1.12		<b>28</b> 0338 0.51		<b>13</b> 0229 1.50		<b>28</b> 0237 0.88		<b>13</b> 0306 1.22		<b>28</b> 0354 0.76	
0900 5.39		0819 5.71		0947 5.53		0946 6.32		0844 5.26		0844 5.98		0907 5.40		0946 5.65	
SA 1526 1.35		SU 1450 1.12		TU 1616 1.23		WE 1621 0.50		TU 1514 1.31		WE 1519 0.60		FR 1536 0.92		SA 1611 0.47	
2111 4.60		2036 4.88		2202 4.68		2210 5.35		2105 4.66		2115 5.30		2132 5.16		2213 5.68	
<b>14</b> 0316 0.98		<b>29</b> 0253 0.60		<b>14</b> 0402 1.03		<b>14</b> 0106 5.60		<b>14</b> 0305 1.29		<b>29</b> 0327 0.64		<b>14</b> 0342 1.02		<b>29</b> 0434 0.79	
0936 5.52		0911 6.10		1016 5.60		1016 5.60		0916 5.42		0928 6.11		0940 5.50		1023 5.49	
SU 1604 1.27		MO 1545 0.81		WE 1645 1.18		2230 4.74		WE 1544 1.17		TH 1601 0.45		SA 1609 0.76		SU 1644 0.52	
2148 4.59		2130 5.04						2134 4.82		2156 5.50		2206 5.39		2248 5.72	
<b>15</b> 0350 0.96		<b>30</b> 0345 0.38		<b>15</b> 0432 0.96		<b>15</b> 1044 5.64		<b>15</b> 0337 1.11		<b>30</b> 0411 0.52		<b>15</b> 0420 0.88		<b>30</b> 0510 0.88	
1009 5.57		0959 6.38		1044 5.64		TH 1713 1.15		0945 5.54		1009 6.12		1014 5.54		1058 5.26	
MO 1638 1.25		TU 1635 0.58		TH 1713 1.15		2258 4.80		TH 1613 1.06		FR 1639 0.40		SU 1642 0.65		MO 1714 0.64	
2221 4.56		2220 5.18						2203 4.97		2233 5.64		2241 5.57		○ 2322 5.68	
		<b>31</b> 0434 0.24						<b>31</b> 0451 0.52							
		1044 6.54						1047 6.01							
		WE 1721 0.44						SA 1713 0.42							
		○ 2307 5.27						○ 2310 5.69							

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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

# MACKAY OUTER HARBOUR – QUEENSLAND

LAT 21° 7' LONG 149° 14'

Times and Heights of High and Low Waters

# 2018

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b> 0546	1.05	<b>16</b> 0526	0.78	<b>1</b> 0003	5.32	<b>16</b> 0021	6.18	<b>1</b> 0013	5.20	<b>16</b> 0057	6.16	<b>1</b> 0050	5.01	<b>16</b> 0206	5.16
1133	4.97	1111	5.10	0636	1.51	0700	0.70	0649	1.48	0735	0.50	0723	1.38	0836	0.92
TU 1743	0.83	WE 1730	0.48	FR 1217	4.12	SA 1247	4.67	SU 1231	4.05	MO 1328	4.78	WE 1317	4.16	TH 1445	4.61
2355	5.54	2342	6.00	1809	1.31	1854	0.64	1823	1.31	1935	0.65	1916	1.45	2055	1.48
<b>2</b> 0620	1.29	<b>17</b> 0613	0.86	<b>2</b> 0033	5.12	<b>17</b> 0112	5.99	<b>2</b> 0043	5.05	<b>17</b> 0147	5.82	<b>2</b> 0123	4.79	<b>17</b> 0259	4.61
1206	4.62	1158	4.87	0709	1.70	0754	0.82	0720	1.58	0824	0.68	0759	1.48	0927	1.24
WE 1809	1.09	TH 1812	0.66	SA 1250	3.91	SU 1344	4.51	MO 1306	3.95	TU 1423	4.64	TH 1401	4.08	FR 1550	4.43
				1839	1.55	1948	0.92	1857	1.49	2027	1.02	1958	1.70	2206	1.86
<b>3</b> 0026	5.31	<b>18</b> 0028	5.90	<b>3</b> 0105	4.89	<b>18</b> 0207	5.72	<b>3</b> 0117	4.87	<b>18</b> 0239	5.41	<b>3</b> 0205	4.54	<b>18</b> 0407	4.16
0654	1.57	0703	1.02	0747	1.87	0851	0.94	0756	1.68	0917	0.89	0846	1.56	1034	1.47
TH 1238	4.26	FR 1249	4.58	SU 1331	3.73	MO 1447	4.39	TU 1349	3.86	WE 1524	4.52	FR 1500	4.04	SA 1710	4.39
1836	1.40	1857	0.92	1916	1.80	2048	1.21	1937	1.70	2127	1.40	2058	1.94	2342	1.97
<b>4</b> 0057	5.04	<b>19</b> 0120	5.70	<b>4</b> 0147	4.66	<b>19</b> 0307	5.44	<b>4</b> 0157	4.68	<b>19</b> 0339	4.98	<b>4</b> 0304	4.29	<b>19</b> 0534	3.93
0730	1.86	0800	1.21	0836	2.00	0952	1.02	0842	1.75	1016	1.06	0950	1.59	1153	1.52
FR 1313	3.92	SA 1349	4.31	MO 1427	3.60	TU 1557	4.37	WE 1443	3.80	TH 1632	4.48	SA 1618	4.14	SU 1832	4.57
1904	1.73	1952	1.23	2005	2.05	2157	1.45	2029	1.92	2241	1.68	2224	2.04		
<b>5</b> 0134	4.74	<b>20</b> 0219	5.47	<b>5</b> 0241	4.46	<b>20</b> 0415	5.19	<b>5</b> 0250	4.49	<b>20</b> 0447	4.64	<b>5</b> 0428	4.12	<b>20</b> 0110	1.76
0817	2.12	0905	1.33	0941	2.03	1058	1.03	0941	1.75	1122	1.15	1110	1.47	0657	3.98
SA 1401	3.62	SU 1500	4.14	TU 1541	3.58	WE 1711	4.49	TH 1552	3.85	FR 1748	4.58	SU 1740	4.44	MO 1304	1.40
1943	2.07	2100	1.50	2114	2.24	2315	1.56	2140	2.08	2315	1.56	2358	1.88	1935	4.85
<b>6</b> 0226	4.45	<b>21</b> 0328	5.28	<b>6</b> 0351	4.36	<b>21</b> 0525	5.03	<b>6</b> 0357	4.37	<b>21</b> 0007	1.75	<b>6</b> 0553	4.16	<b>21</b> 0211	1.46
0929	2.28	1018	1.33	1056	1.91	1203	0.96	1050	1.62	0602	4.43	1222	1.21	0758	4.16
SU 1520	3.43	MO 1622	4.17	WE 1701	3.75	TH 1822	4.73	FR 1709	4.08	SA 1228	1.14	MO 1850	4.89	TU 1400	1.22
2048	2.37	2221	1.62	2242	2.24			2307	2.05	1859	4.81			2023	5.11
<b>7</b> 0343	4.27	<b>22</b> 0446	5.22	<b>7</b> 0506	4.41	<b>22</b> 0034	1.52	<b>7</b> 0513	4.37	<b>22</b> 0125	1.61	<b>7</b> 0115	1.53	<b>22</b> 0256	1.21
1108	2.21	1134	1.17	1158	1.66	0633	4.93	1156	1.37	0711	4.38	0704	4.33	0843	4.32
MO 1702	3.51	TU 1744	4.42	TH 1806	4.10	FR 1304	0.87	SA 1816	4.46	SU 1329	1.06	TU 1325	0.90	WE 1444	1.07
2232	2.47	2346	1.55	1924	5.00					1956	5.06	1950	5.36	2102	5.28
<b>8</b> 0513	4.31	<b>23</b> 0600	5.27	<b>8</b> 0002	2.04	<b>23</b> 0142	1.38	<b>8</b> 0026	1.82	<b>23</b> 0225	1.40	<b>8</b> 0221	1.13	<b>23</b> 0333	1.06
1217	1.95	1241	0.94	0608	4.58	0732	4.86	0621	4.48	0810	4.40	0808	4.55	0921	4.43
TU 1817	3.82	WE 1854	4.78	FR 1248	1.34	SA 1357	0.79	SU 1254	1.07	MO 1420	0.97	WE 1423	0.61	TH 1521	0.96
☉				1859	4.52	2016	5.24	1914	4.91	2043	5.27	2044	5.79	2136	5.37
<b>9</b> 0002	2.26	<b>24</b> 0101	1.35	<b>9</b> 0104	1.73	<b>24</b> 0238	1.25	<b>9</b> 0132	1.50	<b>24</b> 0314	1.23	<b>9</b> 0319	0.77	<b>24</b> 0406	0.99
0619	4.53	0704	5.34	0702	4.77	0824	4.78	0721	4.61	0858	4.42	0904	4.75	0953	4.49
WE 1304	1.64	TH 1338	0.73	SA 1334	1.02	SU 1442	0.75	MO 1347	0.78	TU 1502	0.92	TH 1518	0.35	FR 1553	0.90
1906	4.20	1950	5.12	1947	4.95	2100	5.41	2008	5.36	2124	5.40	2133	6.12	2206	5.40
<b>10</b> 0101	1.94	<b>25</b> 0203	1.16	<b>10</b> 0158	1.42	<b>25</b> 0326	1.17	<b>10</b> 0231	1.18	<b>25</b> 0354	1.13	<b>10</b> 0410	0.48	<b>25</b> 0436	0.97
0707	4.79	0758	5.34	0750	4.92	0909	4.69	0817	4.73	0938	4.43	0955	4.94	1022	4.52
TH 1342	1.33	FR 1427	0.61	SU 1419	0.74	MO 1521	0.76	TU 1439	0.54	WE 1540	0.89	FR 1609	0.16	SA 1623	0.85
1946	4.59	2037	5.37	2031	5.35	2139	5.51	2057	5.75	2159	5.45	2221	6.35	2234	5.41
<b>11</b> 0147	1.61	<b>26</b> 0254	1.04	<b>11</b> 0249	1.14	<b>26</b> 0407	1.14	<b>11</b> 0326	0.89	<b>26</b> 0430	1.09	<b>11</b> 0458	0.27	<b>26</b> 0504	0.96
0748	5.02	0843	5.27	0837	5.02	0950	4.59	0910	4.83	1013	4.41	1044	5.08	1049	4.56
FR 1420	1.04	SA 1508	0.58	MO 1502	0.53	TU 1557	0.80	WE 1528	0.35	TH 1612	0.89	SA 1657	0.05	SU 1651	0.83
2023	4.96	2118	5.53	2115	5.70	2214	5.54	2145	6.07	2230	5.45	2306	6.44	2301	5.39
<b>12</b> 0231	1.32	<b>27</b> 0339	1.00	<b>12</b> 0338	0.91	<b>27</b> 0444	1.15	<b>12</b> 0419	0.65	<b>27</b> 0502	1.10	<b>12</b> 0543	0.17	<b>27</b> 0530	0.96
0827	5.19	0925	5.13	0924	5.05	1026	4.49	1002	4.90	1044	4.37	1131	5.16	1116	4.60
SA 1456	0.80	SU 1545	0.60	TU 1547	0.37	WE 1628	0.86	TH 1618	0.21	FR 1642	0.91	SU 1744	0.06	MO 1720	0.84
2100	5.29	2155	5.62	2159	5.99	2247	5.52	2233	6.30	2259	5.42	2351	6.36	2327	5.34
<b>13</b> 0314	1.08	<b>28</b> 0419	1.02	<b>13</b> 0428	0.75	<b>28</b> 0519	1.19	<b>13</b> 0510	0.47	<b>28</b> 0532	1.14	<b>13</b> 0626	0.18	<b>28</b> 0557	0.98
0907	5.29	1003	4.97	1012	5.03	1100	4.37	1054	4.95	1113	4.34	1217	5.15	1146	4.61
SU 1533	0.61	MO 1617	0.66	WE 1631	0.29	TH 1658	0.94	FR 1708	0.15	SA 1710	0.93	MO 1829	0.24	TU 1751	0.93
2139	5.59	2230	5.65	2245	6.18	2317	5.44	2321	6.41	2326	5.37			2355	5.21
<b>14</b> 0357	0.90	<b>29</b> 0456	1.08	<b>14</b> 0517	0.65	<b>29</b> 0551	1.28	<b>14</b> 0559	0.37	<b>29</b> 0558	1.18	<b>14</b> 0036	6.10	<b>29</b> 0624	1.03
0947	5.31	1039	4.79	1101	4.95	1131	4.26	1145	4.95	1140	4.32	0709	0.33	1217	4.58
MO 1611	0.47	TU 1648	0.76	TH 1717	0.31	FR 1725	1.04	SA 1756	0.19	SU 1738	0.98	TU 1304	5.03	WE 1823	1.10
2218	5.83	2303	5.61	2332	6.24	2346	5.33			2353	5.29	1914	0.57		
<b>15</b> 0441	0.80	<b>30</b> 0532	1.18	<b>15</b> 0608	0.63	<b>30</b> 0620	1.37	<b>15</b> 0009	6.36	<b>30</b> 0625	1.23	<b>15</b> 0120	5.68	<b>30</b> 0024	5.01
1028	5.25	1114	4.58	1153	4.83	1200	4.15	0647	0.38	1209	4.29	0751	0.60	0652	1.14
TU 1650	0.42	WE 1716	0.91	FR 1804	0.43	SA 1753	1.16	SU 1236	4.90	MO 1807	1.08	WE 1351	4.83	TH 1250	4.50
2259	5.97	2334	5.50					1845	0.36			2001	1.01	1857	1.33
		<b>31</b> 0605	1.33					<b>31</b> 0020	5.18					<b>31</b> 0055	4.75
		1146	4.35					0652	1.30					0723	1.28
		TH 1743	1.10					TU 1241	4.24					FR 1330	4.40
								1840	1.24					1937	1.60

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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

# MACKAY OUTER HARBOUR – QUEENSLAND

LAT 21° 7' LONG 149° 14'

Times and Heights of High and Low Waters

# 2018

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b> 0133 4.44		<b>16</b> 0325 3.74		<b>1</b> 0215 3.87		<b>16</b> 0423 3.31		<b>1</b> 0532 3.99		<b>16</b> 0009 1.82		<b>1</b> 0007 0.95		<b>16</b> 0557 3.94	
0803 1.44		0936 1.80		0834 1.62		1004 2.25		1131 1.55		0614 3.71		0621 4.59		1148 2.21	
SA 1422 4.30		SU 1623 4.23		MO 1517 4.50		TU 1701 4.15		TH 1754 5.13		FR 1157 2.19		SA 1225 1.38		SU 1754 4.41	
2034 1.87		2316 2.11		2157 1.90				☉ 1812 4.40		☉ 1812 4.40		1831 5.27			
<b>2</b> 0228 4.10		<b>17</b> 0507 3.54		<b>2</b> 0352 3.66		<b>17</b> 0010 1.95		<b>2</b> 0039 1.01		<b>17</b> 0057 1.53		<b>2</b> 0108 0.70		<b>17</b> 0038 1.49	
0902 1.60		1110 1.94		1010 1.73		0609 3.52		0647 4.45		0703 4.08		0722 4.99		0651 4.35	
SU 1540 4.28		MO 1758 4.33		TU 1652 4.63		WE 1153 2.15		FR 1248 1.21		SA 1254 1.90		SU 1332 1.16		MO 1252 1.93	
2201 2.02		☉		☉ 2339 1.67		☉ 1822 4.36		1900 5.42		1859 4.63		1929 5.32		1847 4.57	
<b>3</b> 0358 3.85		<b>18</b> 0050 1.85		<b>3</b> 0539 3.84		<b>18</b> 0109 1.62		<b>3</b> 0138 0.64		<b>18</b> 0135 1.24		<b>3</b> 0200 0.53		<b>18</b> 0121 1.18	
1032 1.62		0642 3.71		1146 1.52		0709 3.88		0744 4.91		0740 4.46		0813 5.32		0736 4.78	
MO 1713 4.49		TU 1237 1.78		WE 1816 5.01		TH 1258 1.85		SA 1351 0.88		SU 1339 1.59		MO 1429 0.99		TU 1344 1.62	
☉ 2344 1.85		1907 4.62				1913 4.64		1954 5.62		1939 4.83		2020 5.27		1935 4.72	
<b>4</b> 0539 3.90		<b>19</b> 0147 1.50		<b>4</b> 0059 1.21		<b>19</b> 0149 1.32		<b>4</b> 0228 0.37		<b>19</b> 0209 0.98		<b>4</b> 0246 0.45		<b>19</b> 0203 0.90	
1200 1.39		0740 4.03		0700 4.27		0749 4.23		0832 5.26		0815 4.81		0858 5.55		0819 5.19	
TU 1832 4.91		WE 1335 1.51		TH 1304 1.12		FR 1344 1.54		SU 1444 0.66		MO 1420 1.33		TU 1518 0.92		WE 1434 1.34	
		1955 4.90		1922 5.44		1953 4.88		2041 5.68		2015 4.97		2104 5.15		2021 4.83	
<b>5</b> 0108 1.43		<b>20</b> 0228 1.21		<b>5</b> 0201 0.75		<b>20</b> 0223 1.08		<b>5</b> 0312 0.24		<b>20</b> 0243 0.77		<b>5</b> 0326 0.45		<b>20</b> 0245 0.68	
0701 4.19		0822 4.30		0759 4.72		0822 4.52		0914 5.49		0849 5.13		0937 5.68		0900 5.55	
WE 1313 1.03		TH 1419 1.26		FR 1406 0.74		SA 1420 1.28		MO 1531 0.57		TU 1500 1.12		WE 1602 0.91		TH 1521 1.11	
1937 5.40		2033 5.11		2015 5.78		2026 5.06		2123 5.61		2052 5.05		2145 5.00		2106 4.89	
<b>6</b> 0214 0.97		<b>21</b> 0302 1.02		<b>6</b> 0251 0.41		<b>21</b> 0254 0.90		<b>6</b> 0350 0.22		<b>21</b> 0317 0.60		<b>6</b> 0402 0.50		<b>21</b> 0327 0.51	
0806 4.55		0855 4.49		0848 5.08		0852 4.76		0952 5.64		0924 5.40		1014 5.74		0942 5.85	
TH 1415 0.67		FR 1455 1.07		SA 1458 0.45		SU 1455 1.08		TU 1613 0.58		WE 1540 0.96		TH 1642 0.97		FR 1608 0.93	
2032 5.81		2106 5.24		2102 5.97		2057 5.17		2202 5.44		2129 5.06		2224 4.81		2152 4.91	
<b>7</b> 0309 0.58		<b>22</b> 0334 0.91		<b>7</b> 0336 0.20		<b>22</b> 0324 0.76		<b>7</b> 0425 0.26		<b>22</b> 0353 0.48		<b>7</b> 0435 0.60		<b>22</b> 0410 0.40	
0858 4.86		0925 4.63		0931 5.33		0921 4.97		1030 5.71		1002 5.62		1049 5.72		1025 6.08	
FR 1509 0.37		SA 1526 0.94		SU 1545 0.30		MO 1529 0.93		WE 1654 0.67		TH 1623 0.87		FR 1720 1.07		SA 1656 0.80	
2120 6.11		2135 5.32		2144 6.01		2127 5.23		2240 5.21		2209 5.00		☉ 2302 4.60		2239 4.88	
<b>8</b> 0356 0.30		<b>23</b> 0403 0.84		<b>8</b> 0416 0.11		<b>23</b> 0354 0.64		<b>8</b> 0458 0.38		<b>23</b> 0430 0.44		<b>8</b> 0506 0.76		<b>23</b> 0454 0.37	
0945 5.11		0953 4.75		1011 5.50		0952 5.16		1106 5.69		1039 5.78		1123 5.61		1110 6.20	
SA 1559 0.17		SU 1557 0.84		MO 1628 0.26		TU 1604 0.84		TH 1732 0.84		FR 1706 0.85		SA 1756 1.22		SU 1745 0.75	
2204 6.27		2203 5.35		2224 5.92		2159 5.23		☉ 2318 4.91		☉ 2249 4.88		2338 4.37		☉ 2327 4.82	
<b>9</b> 0439 0.13		<b>24</b> 0430 0.78		<b>9</b> 0453 0.11		<b>24</b> 0424 0.57		<b>9</b> 0529 0.58		<b>24</b> 0507 0.48		<b>9</b> 0535 0.96		<b>24</b> 0539 0.43	
1029 5.29		1021 4.85		1049 5.59		1025 5.31		1141 5.55		1120 5.83		1155 5.43		1156 6.21	
SU 1644 0.07		MO 1628 0.79		TU 1710 0.35		WE 1640 0.81		FR 1810 1.08		SA 1751 0.90		SU 1831 1.41		MO 1835 0.76	
2247 6.28		2231 5.35		☉ 2303 5.70		2232 5.15		2355 4.54		2333 4.69					
<b>10</b> 0520 0.07		<b>25</b> 0458 0.74		<b>10</b> 0528 0.21		<b>25</b> 0456 0.55		<b>10</b> 0600 0.87		<b>25</b> 0547 0.61		<b>10</b> 0012 4.14		<b>25</b> 0019 4.71	
1111 5.39		1050 4.95		1128 5.57		1059 5.40		1217 5.31		1204 5.77		0603 1.20		0627 0.59	
MO 1727 0.11		TU 1701 0.79		WE 1749 0.55		TH 1718 0.85		SA 1848 1.38		SU 1839 1.02		MO 1227 5.20		TU 1245 6.09	
☉ 2328 6.13		☉ 2300 5.28		2342 5.36		☉ 2307 4.99					1906 1.61		1926 0.84		
<b>11</b> 0559 0.13		<b>26</b> 0526 0.74		<b>11</b> 0601 0.43		<b>26</b> 0528 0.62		<b>11</b> 0032 4.16		<b>26</b> 0021 4.45		<b>11</b> 0045 3.92		<b>26</b> 0113 4.57	
1153 5.38		1122 4.99		1206 5.43		1135 5.41		0628 1.21		0630 0.84		0632 1.46		0718 0.83	
TU 1809 0.32		WE 1734 0.87		TH 1828 0.88		FR 1757 0.99		SU 1252 5.01		MO 1252 5.62		TU 1259 4.95		WE 1337 5.86	
		2329 5.13				2343 4.75		1928 1.69		1932 1.18		1944 1.80		2020 0.96	
<b>12</b> 0009 5.81		<b>27</b> 0555 0.80		<b>12</b> 0020 4.90		<b>27</b> 0601 0.78		<b>12</b> 0111 3.79		<b>27</b> 0117 4.20		<b>12</b> 0124 3.74		<b>27</b> 0212 4.45	
0636 0.33		1154 4.98		0633 0.75		1213 5.32		0659 1.58		0721 1.13		0706 1.73		0814 1.13	
WE 1235 5.25		TH 1808 1.03		FR 1245 5.16		SA 1839 1.19		MO 1330 4.68		TU 1348 5.42		WE 1338 4.70		TH 1434 5.59	
1851 0.67				1909 1.28				2017 1.95		2034 1.30		2029 1.95		2118 1.06	
<b>13</b> 0050 5.33		<b>28</b> 0001 4.90		<b>13</b> 0059 4.39		<b>28</b> 0024 4.43		<b>13</b> 0201 3.49		<b>28</b> 0224 4.02		<b>13</b> 0215 3.59		<b>28</b> 0317 4.39	
0713 0.65		0624 0.94		0706 1.15		0637 1.01		0738 1.94		0824 1.40		0751 2.01		0918 1.41	
TH 1318 5.00		FR 1228 4.89		SA 1324 4.83		SU 1257 5.16		TU 1422 4.38		WE 1454 5.23		TH 1429 4.47		FR 1538 5.31	
1935 1.13		1845 1.27		1954 1.69		1929 1.43		2129 2.11		2145 1.32		2130 2.03		2221 1.11	
<b>14</b> 0132 4.77		<b>29</b> 0035 4.59		<b>14</b> 0141 3.90		<b>29</b> 0113 4.09		<b>14</b> 0317 3.32		<b>29</b> 0343 4.01		<b>14</b> 0324 3.53		<b>29</b> 0431 4.44	
0750 1.04		0654 1.13		0742 1.58		0722 1.30		0841 2.26		0941 1.57		0854 2.26		1033 1.61	
FR 1404 4.70		SA 1308 4.76		SU 1412 4.48		MO 1352 4.96		WE 1538 4.19		TH 1609 5.15		FR 1534 4.31		SA 1648 5.10	
2023 1.61		1928 1.54		2053 2.03		2033 1.62		2301 2.05		2258 1.19		2243 1.97		☉ 2328 1.07	
<b>15</b> 0219 4.21		<b>30</b> 0116 4.23		<b>15</b> 0241 3.49		<b>30</b> 0221 3.80		<b>15</b> 0458 3.40		<b>30</b> 0507 4.22		<b>15</b> 0447 3.64		<b>30</b> 0547 4.64	
0834 1.45		0734 1.37		0832 1.99		0826 1.59		1027 2.38		1106 1.55		1023 2.35		1155 1.64	
SA 1501 4.40		SU 1400 4.60		MO 1521 4.20		TU 1506 4.82		TH 1706 4.21		FR 1724 5.19		SA 1649 4.29		SU 1758 4.97	
2129 2.00		2027 1.80		2233 2.16		2157 1.64				☉	☉ 2347 1.77				
				<b>31</b> 0355 3.73										<b>31</b> 0033 0.97	
				0957 1.72										0656 4.95	
				WE 1633 4.88										MO 1312 1.52	
				2325 1.40										1904 4.89	

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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