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# MACKAY OUTER HARBOUR – QUEENSLAND

LAT 21° 7' S LONG 149° 14' E

Times and Heights of High and Low Waters

# 2022

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> 0318 0.48		<b>16</b> 0350 1.08		<b>1</b> 0451 0.43		<b>16</b> 0437 0.95		<b>1</b> 0358 0.62		<b>16</b> 0341 1.07		<b>1</b> 0500 0.74		<b>16</b> 0429 0.83	
0939 6.10		1013 5.59		1104 6.43		1050 5.80		1008 6.27		0948 5.73		1055 5.79		1022 5.69	
SA 1616 0.88		SU 1643 1.36		TU 1745 0.62		WE 1719 1.14		TU 1645 0.61		WE 1617 1.03		FR 1722 0.63		SA 1647 0.52	
2156 4.85		2224 4.36		● 2329 5.04		2303 4.76		2231 5.22		2206 4.97		● 2318 5.57		2248 5.70	
<b>2</b> 0408 0.39		<b>17</b> 0422 1.06		<b>2</b> 0535 0.43		<b>17</b> 0510 0.88		<b>2</b> 0441 0.51		<b>17</b> 0415 0.90		<b>2</b> 0533 0.88		<b>17</b> 0509 0.82	
1028 6.31		1043 5.61		1146 6.38		1120 5.84		1046 6.30		1020 5.85		1127 5.52		1100 5.54	
SU 1708 0.75		MO 1714 1.36		WE 1826 0.65		TH 1749 1.08		WE 1722 0.57		TH 1648 0.88		SA 1749 0.76		SU 1721 0.52	
2249 4.82		2253 4.35		○ 2335 4.85				2310 5.33		2238 5.16		2351 5.52		○ 2326 5.80	
<b>3</b> 0457 0.38		<b>18</b> 0451 1.04		<b>3</b> 0012 5.04		<b>18</b> 0543 0.89		<b>3</b> 0519 0.51		<b>18</b> 0450 0.81		<b>3</b> 0605 1.12		<b>18</b> 0550 0.93	
1115 6.38		1112 5.62		0617 0.56		1151 5.80		1123 6.20		1052 5.88		1157 5.15		1138 5.25	
MO 1759 0.71		TU 1744 1.37		TH 1228 6.16		FR 1820 1.07		TH 1756 0.62		FR 1719 0.78		SU 1815 0.97		MO 1755 0.64	
● 2341 4.77		○ 2321 4.37		1904 0.79				● 2346 5.35		○ 2312 5.31					
<b>4</b> 0545 0.46		<b>19</b> 0522 1.05		<b>4</b> 0053 4.96		<b>19</b> 0008 4.89		<b>4</b> 0556 0.66		<b>19</b> 0527 0.82		<b>4</b> 0021 5.37		<b>19</b> 0006 5.76	
1202 6.31		1142 5.61		0657 0.85		0616 1.01		1159 5.95		1125 5.79		0637 1.44		0634 1.16	
TU 1847 0.76		WE 1814 1.38		FR 1307 5.81		SA 1223 5.65		FR 1828 0.76		SA 1751 0.75		MO 1224 4.71		TU 1219 4.85	
		2353 4.38		1942 1.01		1851 1.12				2346 5.38		1837 1.26		1830 0.89	
<b>5</b> 0031 4.69		<b>20</b> 0554 1.09		<b>5</b> 0135 4.81		<b>20</b> 0043 4.87		<b>5</b> 0022 5.29		<b>20</b> 0602 0.95		<b>5</b> 0052 5.13		<b>20</b> 0049 5.60	
0632 0.65		1213 5.57		0737 1.24		0652 1.24		0630 0.94		1159 5.56		0709 1.79		0724 1.47	
WE 1250 6.10		TH 1845 1.40		SA 1345 5.36		SU 1256 5.39		SA 1231 5.58		SU 1821 0.84		TU 1250 4.26		WE 1307 4.39	
1935 0.90				2020 1.28		1922 1.22		1858 0.98				1900 1.61		1913 1.24	
<b>6</b> 0121 4.56		<b>21</b> 0027 4.38		<b>6</b> 0219 4.61		<b>21</b> 0121 4.80		<b>6</b> 0057 5.13		<b>21</b> 0023 5.36		<b>6</b> 0125 4.84		<b>21</b> 0142 5.34	
0720 0.93		0629 1.20		0819 1.69		0730 1.54		0705 1.32		0640 1.20		0746 2.16		0828 1.76	
TH 1338 5.79		FR 1245 5.47		SU 1427 4.86		MO 1332 5.02		SU 1303 5.10		MO 1233 5.19		WE 1321 3.81		TH 1413 3.97	
2023 1.09		1919 1.44		2101 1.56		1959 1.39		1926 1.27		1852 1.02		1926 1.99		2009 1.63	
<b>7</b> 0213 4.43		<b>22</b> 0103 4.34		<b>7</b> 0312 4.43		<b>22</b> 0208 4.69		<b>7</b> 0132 4.91		<b>22</b> 0101 5.25		<b>7</b> 0209 4.50		<b>22</b> 0252 5.08	
0809 1.29		0705 1.38		0913 2.13		0820 1.89		0740 1.75		0722 1.53		0844 2.48		0955 1.89	
FR 1428 5.41		SA 1321 5.30		MO 1516 4.36		TU 1420 4.59		MO 1333 4.59		TU 1313 4.74		TH 1414 3.40		FR 1545 3.76	
2113 1.27		1956 1.50		2155 1.81		2047 1.59		1955 1.61		1928 1.29		2010 2.39		2134 1.92	
<b>8</b> 0309 4.32		<b>23</b> 0146 4.29		<b>8</b> 0421 4.31		<b>23</b> 0314 4.59		<b>8</b> 0213 4.64		<b>23</b> 0148 5.06		<b>8</b> 0325 4.23		<b>23</b> 0422 4.98	
0904 1.67		0747 1.63		1032 2.44		0937 2.20		0822 2.19		0816 1.89		1054 2.58		1132 1.72	
SA 1522 5.02		SU 1402 5.06		TU 1631 3.96		WE 1535 4.17		TU 1411 4.06		WE 1405 4.24		FR 1636 3.21		SA 1730 3.92	
2208 1.42		2040 1.55		● 2307 1.97		2202 1.77		2032 1.99		2016 1.63		2201 2.67		● 2318 1.90	
<b>9</b> 0415 4.28		<b>24</b> 0241 4.26		<b>9</b> 0550 4.38		<b>24</b> 0447 4.62		<b>9</b> 0309 4.37		<b>24</b> 0255 4.84		<b>9</b> 0519 4.23		<b>24</b> 0555 5.15	
1011 1.99		0842 1.91		1224 2.43		1129 2.24		0931 2.55		0941 2.16		1238 2.31		1250 1.34	
SU 1625 4.67		MO 1456 4.78		WE 1811 3.82		TH 1719 3.98		WE 1516 3.59		TH 1531 3.83		SA 1841 3.49		SU 1851 4.36	
2309 1.49		2136 1.59		● 2337 1.77				2138 2.34		2137 1.94		●			
<b>10</b> 0528 4.37		<b>25</b> 0353 4.29		<b>10</b> 0026 1.93		<b>25</b> 0623 4.92		<b>10</b> 0443 4.22		<b>25</b> 0431 4.77		<b>10</b> 0010 2.49		<b>25</b> 0045 1.60	
1132 2.14		1000 2.14		0706 4.65		1312 1.89		1153 2.59		1138 2.08		0637 4.51		0705 5.43	
MO 1735 4.43		TU 1609 4.51		TH 1345 2.13		FR 1857 4.13		TH 1741 3.42		FR 1729 3.80		SU 1326 1.95		MO 1347 0.97	
●		● 2248 1.57		1931 3.94				● 2336 2.43		● 2327 1.96		1927 3.89		1948 4.82	
<b>11</b> 0012 1.47		<b>26</b> 0519 4.50		<b>11</b> 0130 1.76		<b>26</b> 0103 1.52		<b>11</b> 0628 4.40		<b>26</b> 0614 5.02		<b>11</b> 0111 2.11		<b>26</b> 0150 1.26	
0638 4.60		1138 2.14		0800 4.97		0740 5.37		1326 2.25		1312 1.64		0724 4.86		0759 5.63	
TU 1254 2.08		WE 1734 4.37		FR 1436 1.80		SA 1424 1.41		FR 1920 3.69		SA 1905 4.18		MO 1401 1.61		TU 1434 0.72	
1845 4.33				2025 4.14		2011 4.47						2000 4.26		2034 5.16	
<b>12</b> 0108 1.38		<b>27</b> 0004 1.42		<b>12</b> 0219 1.55		<b>27</b> 0214 1.18		<b>12</b> 0101 2.20		<b>27</b> 0100 1.64		<b>12</b> 0154 1.73		<b>27</b> 0242 1.04	
0736 4.90		0638 4.89		0843 5.25		0838 5.80		0730 4.73		0729 5.44		0802 5.18		0843 5.68	
WE 1400 1.88		TH 1307 1.88		SA 1515 1.56		SU 1518 1.00		SA 1411 1.88		SU 1414 1.16		TU 1434 1.31		WE 1514 0.61	
1945 4.32		1852 4.40		2104 4.32		2106 4.80		2006 4.02		2008 4.65		2030 4.61		2114 5.37	
<b>13</b> 0157 1.28		<b>28</b> 0113 1.20		<b>13</b> 0300 1.36		<b>28</b> 0310 0.86		<b>13</b> 0154 1.87		<b>28</b> 0208 1.23		<b>13</b> 0232 1.40		<b>28</b> 0325 0.95	
0823 5.17		0745 5.35		0918 5.45		0926 6.11		0812 5.06		0824 5.79		0836 5.44		0920 5.60	
TH 1450 1.67		FR 1421 1.50		SU 1549 1.39		MO 1604 0.74		SU 1446 1.58		MO 1502 0.81		WE 1506 1.05		TH 1548 0.60	
2034 4.34		2002 4.53		2137 4.44		2151 5.04		2040 4.31		2056 5.02		2101 4.93		2148 5.52	
<b>14</b> 0240 1.18		<b>29</b> 0215 0.95		<b>14</b> 0333 1.20		<b>29</b> 0330 1.20		<b>14</b> 0233 1.56		<b>29</b> 0300 0.91		<b>14</b> 0311 1.14		<b>29</b> 0403 0.96	
0903 5.39		0843 5.78		0950 5.60				0846 5.34		0909 5.99		0911 5.62		0955 5.45	
FR 1531 1.50		SA 1522 1.15		MO 1620 1.29		2205 4.55		MO 1517 1.36		TU 1544 0.63		TH 1539 0.82		FR 1619 0.63	
2116 4.37		2103 4.69						2108 4.55		2136 5.26		2136 5.23		2221 5.62	
<b>15</b> 0316 1.11		<b>30</b> 0312 0.72		<b>15</b> 0406 1.06		<b>30</b> 0345 0.74		<b>15</b> 0308 1.29		<b>30</b> 0345 0.74		<b>15</b> 0349 0.94		<b>30</b> 0439 1.02	
0940 5.53		0934 6.12		1020 5.71		0947 6.03		0918 5.56		0947 6.03		0945 5.71		1028 5.24	
SA 1609 1.39		SU 1615 0.87		TU 1650 1.22		WE 1620 0.56		TU 1547 1.18		WE 1620 0.56		FR 1613 0.64		SA 1647 0.69	
2153 4.37		2157 4.85		2233 4.65				2136 4.76		2212 5.42		2212 5.49		2253 5.65	
		<b>31</b> 0403 0.54								<b>31</b> 0424 0.69					
		1020 6.34								1022 5.96					
		MO 1701 0.69								TH 1652 0.57					
		2244 4.97								2245 5.53					

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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' S LONG 149° 14' E

Times and Heights of High and Low Waters

# 2022

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> 0513 1.13		<b>16</b> 0455 0.84		<b>1</b> 0603 1.53		<b>16</b> 0633 0.78		<b>1</b> 0623 1.48		<b>16</b> 0028 6.24		<b>1</b> 0030 5.31		<b>16</b> 0128 5.39	
1059 4.98		1039 5.17		1139 4.07		1216 4.56		1200 4.00		0712 0.56		0700 1.24		0800 0.84	
SU 1713 0.82		MO 1656 0.40		WE 1736 1.27		TH 1818 0.60		FR 1754 1.25		SA 1259 4.71		MO 1247 4.26		TU 1402 4.69	
● 2324 5.60		○ 2310 6.08								1900 0.56		1849 1.24		TU 2006 1.32	
<b>2</b> 0545 1.30		<b>17</b> 0543 0.89		<b>2</b> 0002 5.26		<b>17</b> 0041 6.10		<b>2</b> 0019 5.23		<b>17</b> 0115 5.98		<b>2</b> 0100 5.14		<b>17</b> 0209 4.84	
1129 4.66		1125 4.91		0634 1.68		0728 0.87		0653 1.55		0758 0.69		0732 1.30		0841 1.16	
MO 1737 1.02		TU 1737 0.53		TH 1208 3.89		FR 1314 4.42		SA 1231 3.96		SU 1349 4.62		TU 1325 4.21		WE 1453 4.48	
2353 5.46		2355 6.04		1803 1.46		1911 0.84		1827 1.36		1948 0.87		1926 1.47		2058 1.79	
<b>3</b> 0615 1.53		<b>18</b> 0634 1.03		<b>3</b> 0032 5.07		<b>18</b> 0134 5.86		<b>3</b> 0051 5.11		<b>18</b> 0202 5.62		<b>3</b> 0135 4.89		<b>18</b> 0258 4.28	
1155 4.32		1216 4.58		0708 1.83		0824 0.99		0728 1.60		0845 0.88		0809 1.37		0930 1.47	
TU 1800 1.27		WE 1821 0.78		FR 1241 3.74		SA 1413 4.31		SU 1309 3.91		MO 1442 4.51		WE 1410 4.17		TH 1559 4.32	
				1835 1.66		2007 1.12		1904 1.51		2040 1.26		2011 1.75		2212 2.15	
<b>4</b> 0021 5.24		<b>19</b> 0045 5.87		<b>4</b> 0109 4.87		<b>19</b> 0230 5.58		<b>4</b> 0129 4.97		<b>19</b> 0253 5.17		<b>4</b> 0218 4.60		<b>19</b> 0407 3.80	
0646 1.78		0730 1.23		0749 1.96		0922 1.09		0807 1.65		0934 1.07		0855 1.45		1038 1.70	
WE 1221 3.99		TH 1314 4.26		SA 1326 3.61		SU 1516 4.27		MO 1354 3.87		TU 1541 4.42		TH 1510 4.16		FR 1723 4.32	
1822 1.56		1911 1.11		1915 1.87		2109 1.39		1947 1.70		2139 1.65		2115 2.01		○	
<b>5</b> 0052 4.97		<b>20</b> 0142 5.61		<b>5</b> 0155 4.69		<b>20</b> 0332 5.30		<b>5</b> 0212 4.81		<b>20</b> 0350 4.73		<b>5</b> 0320 4.27		<b>20</b> 0002 2.20	
0722 2.04		0835 1.41		0844 2.04		1023 1.13		0854 1.66		1030 1.23		1000 1.49		0548 3.59	
TH 1253 3.69		FR 1422 4.03		SU 1427 3.53		MO 1626 4.32		TU 1450 3.86		WE 1649 4.42		FR 1632 4.27		SA 1201 1.74	
1850 1.87		2013 1.45		2010 2.07		2219 1.61		2042 1.90		2254 1.93		○ 2250 2.11		1845 4.53	
<b>6</b> 0130 4.67		<b>21</b> 0247 5.35		<b>6</b> 0255 4.56		<b>21</b> 0439 5.06		<b>6</b> 0305 4.65		<b>21</b> 0458 4.35		<b>6</b> 0447 4.04		<b>21</b> 0131 1.91	
0812 2.27		0948 1.46		0950 2.00		1125 1.11		0950 1.61		1133 1.32		1119 1.43		0717 3.71	
FR 1341 3.42		SA 1541 3.97		MO 1545 3.58		TU 1735 4.49		WE 1600 3.96		TH 1802 4.55		SA 1758 4.58		SU 1314 1.59	
1930 2.20		2129 1.68		2125 2.20		○ 2336 1.71		2154 2.04		○				1945 4.83	
<b>7</b> 0229 4.41		<b>22</b> 0403 5.20		<b>7</b> 0405 4.54		<b>22</b> 0545 4.87		<b>7</b> 0412 4.52		<b>22</b> 0022 1.98		<b>7</b> 0029 1.91		<b>22</b> 0226 1.57	
0933 2.39		1104 1.36		1058 1.82		1224 1.05		1056 1.47		0613 4.14		0615 4.03		0815 3.94	
SA 1515 3.26		SU 1704 4.15		TU 1703 3.81		WE 1841 4.73		TH 1716 4.21		FR 1237 1.31		SU 1234 1.22		MO 1408 1.38	
2041 2.47		2255 1.72		2252 2.16				○ 2322 2.03		1909 4.78		1911 5.02		2030 5.10	
<b>8</b> 0356 4.29		<b>23</b> 0522 5.19		<b>8</b> 0514 4.64		<b>23</b> 0051 1.68		<b>8</b> 0525 4.47		<b>23</b> 0140 1.81		<b>8</b> 0148 1.52		<b>23</b> 0305 1.31	
1115 2.25		1213 1.15		1158 1.53		0647 4.74		1200 1.25		0723 4.08		0730 4.18		0855 4.14	
SU 1709 3.41		MO 1817 4.48		WE 1809 4.18		TH 1317 0.98		FR 1826 4.61		SA 1335 1.24		MO 1341 0.96		TU 1449 1.19	
2239 2.49		○		○		1936 5.00				2004 5.04		2013 5.48		2107 5.29	
<b>9</b> 0521 4.44		<b>24</b> 0015 1.59		<b>9</b> 0009 1.95		<b>24</b> 0155 1.58		<b>9</b> 0043 1.82		<b>24</b> 0238 1.57		<b>9</b> 0254 1.11		<b>24</b> 0340 1.15	
1217 1.95		0630 5.25		0615 4.79		0743 4.62		0633 4.48		0821 4.12		0835 4.40		0929 4.28	
MO 1818 3.78		TU 1310 0.93		TH 1249 1.20		FR 1404 0.93		SA 1300 1.00		SU 1424 1.15		TU 1442 0.69		WE 1525 1.04	
○		1917 4.84		1903 4.63		2024 5.23		1926 5.06		2049 5.25		2107 5.87		2140 5.41	
<b>10</b> 0005 2.22		<b>25</b> 0123 1.41		<b>10</b> 0113 1.67		<b>25</b> 0247 1.46		<b>10</b> 0152 1.51		<b>25</b> 0323 1.37		<b>10</b> 0349 0.76		<b>25</b> 0410 1.07	
0621 4.72		0725 5.26		0708 4.92		0831 4.51		0735 4.53		0908 4.17		0930 4.62		0957 4.37	
TU 1302 1.60		WE 1358 0.78		FR 1337 0.90		SA 1445 0.91		SU 1356 0.77		MO 1506 1.08		WE 1537 0.44		TH 1556 0.93	
1905 4.21		2006 5.14		1952 5.08		2106 5.39		2021 5.49		2129 5.39		2156 6.16		2210 5.49	
<b>11</b> 0103 1.86		<b>26</b> 0217 1.28		<b>11</b> 0210 1.39		<b>26</b> 0333 1.37		<b>11</b> 0254 1.20		<b>26</b> 0401 1.25		<b>11</b> 0437 0.51		<b>26</b> 0439 1.01	
0709 5.01		0812 5.19		0759 4.99		0915 4.42		0834 4.59		0946 4.21		1020 4.81		1024 4.45	
WE 1343 1.25		TH 1439 0.72		SA 1423 0.65		SU 1522 0.92		MO 1449 0.58		TU 1543 1.03		TH 1628 0.26		FR 1626 0.84	
1946 4.64		2047 5.35		2039 5.49		2144 5.49		2114 5.85		2203 5.45		2241 6.33		2237 5.54	
<b>12</b> 0152 1.53		<b>27</b> 0304 1.23		<b>12</b> 0303 1.14		<b>27</b> 0414 1.31		<b>12</b> 0351 0.92		<b>27</b> 0436 1.20		<b>12</b> 0522 0.36		<b>27</b> 0506 0.96	
0751 5.24		0853 5.06		0847 4.99		0955 4.32		0930 4.64		1020 4.21		1106 4.95		1051 4.54	
TH 1421 0.94		FR 1515 0.71		SU 1509 0.48		MO 1557 0.95		TU 1541 0.43		WE 1615 1.00		FR 1714 0.18		SA 1656 0.79	
2026 5.04		2125 5.50		2126 5.84		2218 5.52		2203 6.13		2234 5.47		○ 2325 6.35		○ 2305 5.55	
<b>13</b> 0238 1.25		<b>28</b> 0345 1.22		<b>13</b> 0356 0.95		<b>28</b> 0450 1.30		<b>13</b> 0445 0.70		<b>28</b> 0507 1.20		<b>13</b> 0604 0.31		<b>28</b> 0534 0.91	
0832 5.37		0930 4.89		0937 4.93		1030 4.22		1025 4.70		1048 4.21		1150 5.01		1120 4.62	
FR 1500 0.68		SA 1547 0.75		MO 1554 0.38		TU 1628 1.02		WE 1632 0.33		TH 1645 0.98		SA 1758 0.24		SU 1728 0.81	
2105 5.41		2200 5.59		2212 6.09		2250 5.49		2252 6.31		2303 5.46				2334 5.50	
<b>14</b> 0324 1.04		<b>29</b> 0423 1.24		<b>14</b> 0447 0.82		<b>29</b> 0523 1.34		<b>14</b> 0535 0.56		<b>29</b> 0535 1.21		<b>14</b> 0007 6.19		<b>29</b> 0601 0.90	
0913 5.40		1006 4.70		1028 4.83		1102 4.12		1117 4.74		1115 4.23		0644 0.39		1151 4.66	
SA 1538 0.49		SU 1616 0.81		TU 1640 0.36		WE 1657 1.09		TH 1723 0.29		FR 1714 0.97		SU 1233 4.99		MO 1800 0.92	
2145 5.73		2233 5.62		○ 2300 6.23		○ 2320 5.41		○ 2340 6.35		● 2331 5.45		1841 0.48			
<b>15</b> 0409 0.90		<b>30</b> 0459 1.29		<b>15</b> 0541 0.76		<b>30</b> 0554 1.41		<b>15</b> 0624 0.51		<b>30</b> 0602 1.21		<b>15</b> 0047 5.86		<b>30</b> 0003 5.34	
0955 5.33		1040 4.49		1121 4.71		1130 4.05		1208 4.75		1143 4.26		0722 0.57		0630 0.94	
SU 1616 0.39		MO 1645 0.93		WE 1728 0.43		TH 1725 1.17		FR 1813 0.36		SA 1744 0.99		MO 1317 4.87		TU 1223 4.65	
2227 5.96		● 2304 5.56		2349 6.23		2349 5.32					1922 0.85		1832 1.13		
		<b>31</b> 0531 1.39								<b>31</b> 0000 5.41				<b>31</b> 0032 5.08	
		1111 4.28								0630 1.22				0658 1.04	
		TU 1711 1.09								SU 1214 4.28				WE 1258 4.59	
		2333 5.43								1815 1.08				1908 1.41	

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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

# MACKAY OUTER HARBOUR – QUEENSLAND

LAT 21° 7' S LONG 149° 14' E

Times and Heights of High and Low Waters

# 2022

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>	0105 4.74	<b>16</b>	0205 3.84	<b>1</b>	0131 3.97	<b>16</b>	0224 3.16	<b>1</b>	0451 3.69	<b>16</b>	0506 3.31	<b>1</b>	0542 4.34	<b>16</b>	0443 3.67
	0730 1.19		0823 1.70		0743 1.43		0808 2.22		1037 1.77		1033 2.43		1136 1.57		1025 2.32
TH	1339 4.49	FR	1501 4.28	SA	1419 4.61	SU	1527 4.09	TU	1716 4.97	WE	1711 4.30	TH	1754 5.19	FR	1650 4.44
	1951 1.73		2130 2.28		2104 2.01		2300 2.31	☉		☉		☉		☉	2338 1.71
<b>2</b>	0145 4.33	<b>17</b>	0315 3.36	<b>2</b>	0248 3.56	<b>17</b>	0456 3.06	<b>2</b>	0015 1.26	<b>17</b>	0009 1.85	<b>2</b>	0036 0.90	<b>17</b>	0552 3.99
	0810 1.39		0929 2.07		0854 1.75		1014 2.47		0616 4.12		0614 3.65		0646 4.72		1149 2.19
FR	1435 4.38	SA	1633 4.13	SU	1551 4.52	MO	1716 4.12	WE	1207 1.50	TH	1158 2.19	FR	1249 1.41	SA	1752 4.53
	2057 2.04		2347 2.29		2259 1.97				1830 5.26		1810 4.53		1854 5.20		
<b>3</b>	0248 3.90	<b>18</b>	0537 3.23	<b>3</b>	0448 3.49	<b>18</b>	0029 2.03	<b>3</b>	0115 0.86	<b>18</b>	0052 1.53	<b>3</b>	0129 0.72	<b>18</b>	0030 1.42
	0915 1.61		1126 2.18		1045 1.82		0635 3.39		0717 4.62		0659 4.06		0740 5.08		0648 4.42
SA	1602 4.35	SU	1814 4.29	MO	1735 4.74	TU	1208 2.26	TH	1317 1.14	FR	1253 1.87	SA	1350 1.26	SU	1256 1.93
	2245 2.14	☉		☉		☉	1829 4.39	☉	1928 5.50	☉	1855 4.77	☉	1945 5.14	☉	1847 4.64
<b>4</b>	0434 3.64	<b>19</b>	0114 1.94	<b>4</b>	0037 1.54	<b>19</b>	0115 1.68	<b>4</b>	0205 0.55	<b>19</b>	0130 1.21	<b>4</b>	0215 0.62	<b>19</b>	0117 1.12
	1053 1.67		0709 3.53		0630 3.87		0719 3.79		0807 5.03		0736 4.47		0827 5.35		0737 4.88
SU	1743 4.60	MO	1252 1.94	TU	1222 1.51	WE	1304 1.89	FR	1413 0.89	SA	1339 1.57	SU	1443 1.18	MO	1352 1.63
☉			1916 4.61		1855 5.18		1915 4.71		2015 5.59		1936 4.97		2031 5.01		1938 4.73
<b>5</b>	0034 1.83	<b>20</b>	0200 1.57	<b>5</b>	0143 1.03	<b>20</b>	0150 1.37	<b>5</b>	0247 0.39	<b>20</b>	0205 0.92	<b>5</b>	0255 0.59	<b>20</b>	0202 0.86
	0620 3.77		0756 3.89		0737 4.38		0752 4.15		0849 5.31		0813 4.87		0907 5.54		0822 5.31
MO	1225 1.44	TU	1345 1.61	WE	1334 1.07	TH	1345 1.55	SA	1500 0.77	SU	1422 1.31	MO	1529 1.15	TU	1445 1.36
	1905 5.05		2000 4.92		1953 5.59		1951 5.00		2056 5.53		2015 5.08		2113 4.84		2028 4.77
<b>6</b>	0153 1.32	<b>21</b>	0235 1.29	<b>6</b>	0233 0.62	<b>21</b>	0222 1.11	<b>6</b>	0325 0.34	<b>21</b>	0241 0.69	<b>6</b>	0330 0.63	<b>21</b>	0247 0.65
	0740 4.15		0830 4.17		0828 4.82		0821 4.48		0927 5.49		0850 5.22		0945 5.66		0907 5.68
TU	1339 1.06	WE	1423 1.32	TH	1430 0.70	FR	1421 1.26	SU	1543 0.76	MO	1506 1.11	TU	1610 1.16	WE	1535 1.14
	2008 5.54		2035 5.17		2041 5.85		2024 5.21		2133 5.37		2054 5.10		2152 4.65		2116 4.77
<b>7</b>	0250 0.86	<b>22</b>	0305 1.09	<b>7</b>	0316 0.37	<b>22</b>	0252 0.88	<b>7</b>	0359 0.37	<b>22</b>	0317 0.51	<b>7</b>	0403 0.70	<b>22</b>	0331 0.52
	0838 4.54		0859 4.40		0910 5.12		0850 4.76		1002 5.61		0928 5.53		1020 5.69		0952 5.98
WE	1440 0.69	TH	1457 1.09	FR	1518 0.49	SA	1456 1.04	MO	1621 0.83	TU	1549 0.98	WE	1649 1.21	TH	1627 0.97
	2059 5.91		2106 5.35		2122 5.93		2056 5.34		2209 5.14		2134 5.04		2230 4.46		2206 4.74
<b>8</b>	0338 0.52	<b>23</b>	0334 0.95	<b>8</b>	0355 0.25	<b>23</b>	0322 0.69	<b>8</b>	0429 0.45	<b>23</b>	0355 0.42	<b>8</b>	0434 0.82	<b>23</b>	0417 0.44
	0925 4.84		0926 4.58		0948 5.32		0921 5.02		1036 5.65		1007 5.76		1054 5.64		1038 6.18
TH	1531 0.41	FR	1529 0.91	SA	1600 0.42	SU	1532 0.89	TU	1659 0.95	WE	1634 0.92	TH	1725 1.31	FR	1717 0.87
	2143 6.13		2135 5.46		2159 5.86		2129 5.38	☉	2244 4.85	☉	2216 4.91	☉	2304 4.25	☉	2258 4.70
<b>9</b>	0420 0.32	<b>24</b>	0403 0.83	<b>9</b>	0430 0.24	<b>24</b>	0354 0.55	<b>9</b>	0458 0.60	<b>24</b>	0433 0.41	<b>9</b>	0503 0.99	<b>24</b>	0504 0.44
	1007 5.06		0953 4.74		1024 5.45		0954 5.25		1110 5.60		1047 5.90		1126 5.51		1126 6.26
FR	1616 0.25	SA	1600 0.80	SU	1639 0.47	MO	1610 0.82	WE	1735 1.14	TH	1721 0.93	FR	1800 1.45	SA	1810 0.83
	2223 6.20		2204 5.52		2234 5.68		2202 5.32		2317 4.52	☉	2301 4.71		2337 4.05		2350 4.63
<b>10</b>	0500 0.24	<b>25</b>	0431 0.72	<b>10</b>	0502 0.30	<b>25</b>	0426 0.46	<b>10</b>	0526 0.82	<b>25</b>	0513 0.50	<b>10</b>	0530 1.19	<b>25</b>	0554 0.53
	1047 5.21		1022 4.90		1100 5.50		1029 5.43		1143 5.43		1131 5.91		1157 5.32		1215 6.21
SA	1659 0.23	SU	1633 0.74	MO	1716 0.62	TU	1649 0.83	TH	1810 1.38	FR	1811 1.02	SA	1832 1.62	SU	1901 0.86
☉	2301 6.12		2234 5.52	☉	2309 5.39	☉	2237 5.17		2349 4.16		2350 4.46				
<b>11</b>	0535 0.24	<b>26</b>	0500 0.65	<b>11</b>	0532 0.43	<b>26</b>	0458 0.46	<b>11</b>	0551 1.11	<b>26</b>	0556 0.70	<b>11</b>	0007 3.88	<b>26</b>	0045 4.54
	1126 5.28		1054 5.02		1134 5.46		1104 5.53		1215 5.18		1219 5.80		0558 1.39		0645 0.71
SU	1738 0.34	MO	1708 0.77	TU	1753 0.87	WE	1729 0.92	FR	1845 1.65	SA	1906 1.17	SU	1228 5.11	MO	1306 6.04
	2339 5.89	☉	2305 5.41		2343 4.98		2315 4.91						1906 1.78		1955 0.95
<b>12</b>	0610 0.36	<b>27</b>	0530 0.63	<b>12</b>	0600 0.67	<b>27</b>	0531 0.57	<b>12</b>	0020 3.82	<b>27</b>	0046 4.19	<b>12</b>	0039 3.73	<b>27</b>	0141 4.45
	1204 5.24		1127 5.09		1209 5.30		1142 5.52		0615 1.44		0645 0.97		0628 1.60		0738 0.96
MO	1816 0.61	TU	1743 0.90	WE	1829 1.21	TH	1812 1.11	SA	1247 4.89	SU	1314 5.59	MO	1302 4.91	TU	1400 5.79
			2336 5.18				2354 4.56		1925 1.92		2007 1.31		1945 1.91		2049 1.05
<b>13</b>	0015 5.49	<b>28</b>	0559 0.71	<b>13</b>	0015 4.51	<b>28</b>	0605 0.79	<b>13</b>	0054 3.51	<b>28</b>	0150 3.98	<b>13</b>	0118 3.61	<b>28</b>	0240 4.38
	0642 0.58		1200 5.08		0627 1.00		1224 5.39		0644 1.77		0743 1.28		0704 1.82		0835 1.26
TU	1242 5.10	WE	1819 1.12	TH	1243 5.04	FR	1900 1.37	SU	1328 4.58	MO	1415 5.37	TU	1345 4.71	WE	1457 5.48
	1854 1.00				1905 1.59				2017 2.14		2115 1.37		2032 2.01		2146 1.14
<b>14</b>	0049 4.97	<b>29</b>	0009 4.84	<b>14</b>	0045 4.02	<b>29</b>	0040 4.16	<b>14</b>	0146 3.27	<b>29</b>	0304 3.91	<b>14</b>	0213 3.52	<b>29</b>	0346 4.37
	0713 0.90		0628 0.87		0652 1.39		0645 1.09		0724 2.10		0853 1.53		0753 2.06		0940 1.55
WE	1321 4.86	TH	1236 4.99	FR	1319 4.71	SA	1313 5.17	MO	1426 4.31	TU	1527 5.21	WE	1437 4.53	TH	1600 5.18
	1933 1.46		1858 1.42		1947 1.97		2000 1.63		2137 2.24		2227 1.30		2131 2.03		2246 1.17
<b>15</b>	0124 4.40	<b>30</b>	0045 4.43	<b>15</b>	0121 3.55	<b>30</b>	0140 3.78	<b>15</b>	0318 3.15	<b>30</b>	0425 4.03	<b>15</b>	0323 3.51	<b>30</b>	0457 4.48
	0745 1.29		0700 1.12		0721 1.81		0737 1.45		0836 2.38		1014 1.63		0859 2.26		1056 1.76
TH	1403 4.57	FR	1319 4.82	SA	1407 4.36	SU	1418 4.93	TU	1549 4.19	WE	1643 5.16	TH	1542 4.43	FR	1708 4.92
	2019 1.92		1947 1.75		2052 2.28		2121 1.76		2308 2.12		2336 1.12		2238 1.93	☉	2349 1.15
				<b>31</b>	0307 3.56									<b>31</b>	0608 4.70
					0856 1.75										1217 1.81
					MO 1545 4.82										SA 1815 4.73
					2256 1.62										

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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