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# PIRATES BAY – TASMANIA

**2018**

LAT 43° 2' S      LONG 147° 58' E

Times and Heights of High and Low Waters

JANUARY				FEBRUARY				MARCH				APRIL						
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m			
<b>1</b> 0126 0.35	<b>16</b> 0134 0.38	0750 0.98	0756 1.00	<b>1</b> 0236 0.39	<b>16</b> 0256 0.39	0851 0.97	0903 0.94	<b>1</b> 0129 0.40	<b>16</b> 0149 0.38	0739 0.96	0753 0.91	<b>1</b> 0208 0.31	<b>16</b> 0230 0.26	0804 0.82	0826 0.77			
MO 1456 0.07	TU 1507 0.04	TH 1559 0.04	FR 1604 0.06	2227 0.70	● 2232 0.73	2311 0.71	2314 0.75	TH 1444 0.05	FR 1448 0.08	2114 0.72	2116 0.75	SU 1430 0.16	MO 1430 0.21	2056 0.83	● 2057 0.88			
WE 2114 0.66	2130 0.66	● 2218 0.67																
<b>2</b> 0210 0.37	<b>17</b> 0221 0.39	0833 1.00	0841 0.99	<b>2</b> 0329 0.39	<b>17</b> 0350 0.37	0939 0.95	0954 0.90	<b>2</b> 0222 0.38	<b>17</b> 0245 0.35	0829 0.93	0845 0.88	<b>2</b> 0303 0.27	<b>17</b> 0325 0.21	0859 0.78	0922 0.72			
TU 1544 0.05	WE 1552 0.03	FR 1643 0.06	SA 1645 0.10	2311 0.71	2314 0.75	1526 0.07	SA 1529 0.11	2154 0.74	● 2156 0.79	MO 1509 0.20	TU 1510 0.26	2135 0.87	2136 0.91	WE 1509 0.20	TU 1510 0.26			
○ 2205 0.66	● 2218 0.67																	
<b>3</b> 0256 0.38	<b>18</b> 0310 0.39	0917 1.00	0927 0.98	<b>3</b> 0424 0.38	<b>18</b> 0447 0.35	1030 0.91	1047 0.85	<b>3</b> 0317 0.36	<b>18</b> 0341 0.32	0919 0.89	0938 0.83	<b>3</b> 0400 0.23	<b>18</b> 0419 0.18	0956 0.73	1020 0.68			
WE 1630 0.04	TH 1637 0.04	SA 1725 0.09	2354 0.74	SA 1728 0.14	2356 0.78	1607 0.10	SU 1608 0.15	2234 0.77	2235 0.82	TU 1548 0.25	WE 1549 0.30	2216 0.90	2217 0.94	TU 1548 0.25	WE 1549 0.30			
WE 2255 0.66	2305 0.68																	
<b>4</b> 0345 0.39	<b>19</b> 0402 0.39	1003 0.98	1015 0.95	<b>4</b> 0521 0.36	<b>19</b> 0546 0.32	1123 0.86	1143 0.80	<b>4</b> 0414 0.33	<b>19</b> 0437 0.29	1012 0.84	1033 0.78	<b>4</b> 0456 0.20	<b>19</b> 0515 0.14	1056 0.69	1121 0.65			
TH 1715 0.05	FR 1721 0.06	SU 1808 0.13	MO 1809 0.19	SU 1808 0.13	MO 1809 0.19	1647 0.14	MO 1648 0.20	2315 0.80	2315 0.85	WE 1630 0.30	TH 1631 0.34	2259 0.92	2301 0.96	WE 1630 0.30	TH 1631 0.34			
2344 0.67	2350 0.70																	
<b>5</b> 0436 0.40	<b>20</b> 0458 0.39	1052 0.95	1106 0.91	<b>5</b> 0037 0.77	<b>20</b> 0038 0.81	0622 0.34	0647 0.29	<b>5</b> 0512 0.31	<b>20</b> 0534 0.25	1108 0.79	1130 0.73	<b>5</b> 0552 0.16	<b>20</b> 0609 0.12	1158 0.65	1224 0.63			
FR 1801 0.06	SA 1805 0.09	MO 1219 0.18	TU 1243 0.75	MO 1219 0.18	1851 0.23	1243 0.75	1852 0.23	MO 1729 0.19	TU 1729 0.24	1729 0.83	2357 0.88	TH 1712 0.34	FR 1716 0.38	2343 0.94	2347 0.96	WE 1630 0.30	TH 1631 0.34	
<b>6</b> 0031 0.69	<b>21</b> 0035 0.72	0532 0.40	0557 0.38	<b>6</b> 0121 0.80	<b>21</b> 0121 0.85	0725 0.31	0749 0.25	<b>6</b> 0611 0.27	<b>21</b> 0632 0.22	1206 0.74	1231 0.69	<b>6</b> 1302 0.63	<b>21</b> 1326 0.62	1302 0.38	SA 1806 0.41	SA 1806 0.41	FR 1758 0.38	
SA 1143 0.92	SU 1200 0.86	TU 1320 0.75	WE 1346 0.13	TU 1320 0.75	1935 0.23	1346 0.70	1936 0.28	TU 1810 0.24	WE 1810 0.29	1810 0.24	WE 1810 0.29							
1846 0.09	1850 0.13																	
<b>7</b> 0118 0.71	<b>22</b> 0120 0.75	0632 0.39	0700 0.36	<b>7</b> 0205 0.83	<b>22</b> 0206 0.88	0829 0.27	0851 0.21	<b>7</b> 0038 0.86	<b>22</b> 0040 0.91	0711 0.24	0731 0.18	<b>7</b> 0029 0.95	<b>22</b> 0035 0.96	0745 0.10	0757 0.08			
SU 1237 0.87	MO 1258 0.81	WE 1425 0.27	WE 1932 0.13	WE 1425 0.27	2020 0.27	1258 0.66	1934 0.17	WE 1309 0.69	TH 1336 0.65	1309 0.29	1854 0.33	SA 1406 0.62	SU 1427 0.63	1406 0.41	1901 0.43	SA 1406 0.62	SU 1427 0.63	
1932 0.13	1934 0.17																	
<b>8</b> 0204 0.73	<b>23</b> 0205 0.78	0737 0.37	0803 0.33	<b>8</b> 0250 0.87	<b>23</b> 0251 0.91	0930 0.22	0950 0.17	<b>8</b> 0122 0.89	<b>23</b> 0125 0.93	1531 0.67	FR 1600 0.64	<b>8</b> 0838 0.08	<b>23</b> 0848 0.07	1507 0.63	MO 1523 0.64	1507 0.63	MO 1523 0.64	
MO 1336 0.82	TU 1359 0.76	TH 1531 0.67	WE 2018 0.17	TH 1531 0.67	2106 0.31	1359 0.36	2109 0.36	TH 1415 0.66	FR 1442 0.63	1415 0.33	1941 0.37	● 1944 0.43	● 2000 0.44	1944 0.43	2000 0.44	WE 1356 0.67	WE 1356 0.67	
2018 0.17	2019 0.22																	
<b>9</b> 0249 0.77	<b>24</b> 0249 0.82	0843 0.34	0908 0.28	<b>9</b> 0335 0.90	<b>24</b> 0338 0.93	1030 0.17	1046 0.12	<b>9</b> 0208 0.92	<b>24</b> 0212 0.95	0910 0.16	0926 0.11	<b>9</b> 0208 0.96	<b>24</b> 0219 0.94	0930 0.06	0938 0.07			
TU 1438 0.77	WE 1503 0.72	FR 1638 0.65	FR 2103 0.21	FR 1638 0.65	2153 0.34	1503 0.64	2159 0.38	FR 1521 0.64	SA 1546 0.62	1521 0.37	2031 0.40	MO 1604 0.64	TU 1614 0.67	1604 0.43	2103 0.43	MO 1604 0.64	TU 1614 0.67	
2103 0.21	2104 0.26																	
<b>10</b> 0334 0.81	<b>25</b> 0334 0.86	0947 0.30	1010 0.23	<b>10</b> 0421 0.93	<b>25</b> 0426 0.96	1126 0.13	1140 0.08	<b>10</b> 0255 0.94	<b>25</b> 0300 0.96	1007 0.12	1019 0.08	<b>10</b> 0300 0.95	<b>25</b> 0314 0.92	1019 0.06	1025 0.07			
WE 1543 0.73	TH 1610 0.69	SA 1741 0.65	WE 2241 0.37	SA 1741 0.65	2241 0.37	1610 0.64	2249 0.40	SA 1626 0.63	SU 1647 0.63	1626 0.39	2126 0.42	WE 1654 0.67	WE 1700 0.70	1654 0.43	2206 0.41	WE 1654 0.67	WE 1700 0.70	
2149 0.24	2150 0.30																	
<b>11</b> 0418 0.85	<b>26</b> 0419 0.89	1048 0.24	1109 0.18	<b>11</b> 0507 0.96	<b>26</b> 0514 0.97	1217 0.08	1229 0.05	<b>11</b> 0343 0.96	<b>26</b> 0350 0.96	1100 0.08	1111 0.06	<b>11</b> 0354 0.93	<b>26</b> 0410 0.89	1105 0.06	1110 0.09			
TH 1647 0.70	FR 1715 0.67	SU 1839 0.65	WE 2330 0.39	SU 1839 0.65	2330 0.39	1715 0.65	2342 0.41	SU 1726 0.64	MO 1743 0.65	1726 0.41	2223 0.43	WE 1740 0.70	TH 1742 0.74	1740 0.41	2307 0.37	WE 1740 0.70	TH 1742 0.74	
2234 0.28	2236 0.33																	
<b>12</b> 0501 0.89	<b>27</b> 0503 0.93	1146 0.19	1203 0.13	<b>12</b> 0554 0.98	<b>27</b> 0601 0.98	1307 0.05	1315 0.04	<b>12</b> 0432 0.97	<b>27</b> 0442 0.96	1150 0.06	1159 0.05	<b>12</b> 0448 0.91	<b>27</b> 0505 0.86	1149 0.07	1152 0.11			
FR 1750 0.68	SA 1815 0.66	MO 1932 0.66	WE 2318 0.31	MO 1932 0.66	2318 0.31	1815 0.66	2323 0.36	MO 1821 0.65	TU 1832 0.67	1821 0.42	2321 0.42	TH 1821 0.73	FR 1822 0.78	1821 0.38	2342 0.38	TH 1821 0.73	FR 1822 0.78	
2318 0.31	2323 0.36																	
<b>13</b> 0545 0.93	<b>28</b> 0548 0.96	1241 0.14	1255 0.09	<b>13</b> 0020 0.40	<b>28</b> 0035 0.41	0640 0.99	0650 0.97	<b>13</b> 0522 0.97	<b>28</b> 0533 0.95	1353 0.03	WE 1400 0.03	<b>13</b> 0542 0.88	<b>28</b> 0005 0.33	1231 0.10	FR 1900 0.77			
SA 1850 0.67	SU 1913 0.66	TU 1921 0.67	WE 2021 0.67	TU 1921 0.67	2021 0.67	1913 0.66	2030 0.69	TU 1910 0.67	WE 1917 0.70	1910 0.67	2359 0.41	WE 1900 0.77	SA 1233 0.15	1900 0.82	WE 1900 0.77	SA 1233 0.15		
<b>14</b> 0003 0.34	<b>29</b> 0010 0.37	0629 0.96	0633 0.98	<b>14</b> 0111 0.40		0727 0.98		<b>14</b> 0612 0.96	<b>29</b> 0018 0.40	1348 0.03	WE 2107 0.69	<b>14</b> 0039 0.34	<b>29</b> 0101 0.29	1323 0.13	WE 1940 0.81			
SU 1331 0.09	MO 1344 0.05	WE 1946 0.66	WE 2006 0.66	WE 1348 0.03	2107 0.69			WE 1955 0.70	TH 1328 0.06	1348 0.03	1959 0.73	<b>14</b> 0636 0.85	<b>29</b> 0657 0.79	1312 0.13	WE 1940 0.81			
1946 0.66	2006 0.66																	
<b>15</b> 0048 0.36	<b>30</b> 0058 0.39	0712 0.98	0718 0.99	<b>15</b> 0202 0.40		0815 0.97		<b>15</b> 0054 0.40	<b>30</b> 0115 0.38	1421 0.04	TH 2150 0.71	<b>15</b> 0134 0.30	<b>30</b> 0156 0.24	1421 0.04	WE 2017 0.85			
MO 1420 0.06	TU 1430 0.04	WE 2040 0.66	WE 2056 0.67	TH 1521 0.04	2150 0.71			TH 1406 0.05	FR 1410 0.09	1406 0.72	2036 0.72	<b>15</b> 0730 0.81	<b>30</b> 0753 0.76	1351 0.17	MO 1352 0.22			
2040 0.66	2056 0.67																	
<b>31</b> 0146 0.39		0804 0.99		<b>31</b> 0212 0.34				<b>31</b> 0811 0.86										
WE 1515 0.03	WE 1515 0.03	○ 2143 0.68	○ 2143 0.68					SA 1450 0.12										
○ 2143 0.68								○ 2117 0.80										

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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

# PIRATES BAY – TASMANIA

LAT 43° 2' S      LONG 147° 58' E

Times and Heights of High and Low Waters

# 2018

Local Time

MAY				JUNE				JULY				AUGUST			
Time	m														
1 0250	0.20	16 0308	0.14	1 0414	0.07	16 0425	0.05	1 0432	0.04	16 0439	0.06	1 0527	0.13	16 0528	0.18
0849	0.72	0914	0.68	1031	0.64	1049	0.64	1101	0.66	1109	0.69	1156	0.75	1156	0.80
TU 1431	0.27	WE 1433	0.31	FR 1521	0.38	SA 1532	0.40	SU 1549	0.41	MO 1611	0.40	WE 1737	0.35	TH 1803	0.30
2058	0.93	2100	0.97	2147	0.99	2156	0.98	2206	0.96	2220	0.92	2335	0.81	2359	0.75
2 0344	0.16	17 0400	0.11	2 0503	0.06	17 0513	0.05	2 0519	0.06	17 0524	0.09	2 0610	0.18	17 0610	0.23
0946	0.68	1011	0.65	1127	0.64	1141	0.65	1150	0.68	1155	0.71	1240	0.79	1240	0.84
WE 1511	0.31	TH 1515	0.35	SA 1609	0.40	SU 1625	0.41	MO 1646	0.41	TU 1711	0.39	TH 1841	0.32	FR 1906	0.26
2138	0.95	2142	0.98	2234	0.98	2245	0.96	2258	0.92	2315	0.87				
3 0437	0.12	18 0451	0.08	3 0553	0.06	18 0600	0.06	3 0605	0.09	18 0609	0.13	3 0036	0.76	18 0103	0.70
1045	0.65	1108	0.64	1222	0.64	1232	0.66	1237	0.70	1240	0.74	0654	0.22	0654	0.28
TH 1552	0.34	FR 1559	0.38	SU 1702	0.42	MO 1723	0.42	TU 1747	0.40	WE 1815	0.37	FR 1324	0.82	SA 1324	0.87
2221	0.97	2227	0.98	2324	0.96	2336	0.92	2353	0.87			1945	0.28	● 2008	0.22
4 0530	0.10	19 0543	0.07	4 0642	0.07	19 0647	0.09	4 0651	0.12	19 0013	0.82	4 0142	0.71	19 0210	0.67
1145	0.63	1206	0.63	1315	0.65	1321	0.69	1324	0.73	0653	0.17	0739	0.27	0740	0.32
FR 1637	0.38	SA 1646	0.41	MO 1800	0.43	TU 1825	0.41	WE 1853	0.38	TH 1325	0.77	1409	0.86	SU 1410	0.90
2306	0.97	2314	0.97							1920	0.33	2047	0.23	2108	0.17
5 0623	0.08	20 0633	0.06	5 0016	0.93	20 0032	0.88	5 0052	0.82	20 0115	0.77	5 0248	0.68	20 0317	0.65
1245	0.62	1303	0.63	0730	0.08	0735	0.12	0737	0.16	0739	0.21	0825	0.31	0827	0.36
SA 1726	0.41	SU 1740	0.42	TU 1405	0.68	WE 1409	0.72	1409	0.76	FR 1409	0.81	1454	0.90	MO 1456	0.93
2354	0.97			1904	0.42	● 1931	0.39	1959	0.35	2025	0.29	2147	0.18	2204	0.12
6 0715	0.07	21 0003	0.96	6 0113	0.89	21 0131	0.84	6 0154	0.78	21 0220	0.72	6 0354	0.66	21 0421	0.64
1345	0.63	0724	0.07	0818	0.11	0821	0.15	0823	0.20	0824	0.26	0911	0.34	0915	0.38
SU 1820	0.43	MO 1358	0.65	WE 1453	0.71	TH 1454	0.75	1453	0.80	SA 1453	0.85	1539	0.93	TU 1543	0.96
1840	0.43	2049	0.41	2011	0.40	2037	0.36	2103	0.30	2127	0.24	2243	0.13	2257	0.08
7 0045	0.96	22 0057	0.93	7 0212	0.85	22 0233	0.79	7 0259	0.74	22 0326	0.69	7 0457	0.65	22 0520	0.64
0806	0.07	0814	0.08	0904	0.14	0907	0.19	0907	0.24	0909	0.29	0958	0.37	0958	0.40
MO 1441	0.64	TU 1449	0.67	TH 1537	0.75	FR 1537	0.79	1537	0.84	SU 1537	0.89	1624	0.96	WE 1630	0.98
1920	0.43	● 1944	0.43	2116	0.36	2142	0.31	2205	0.25	2225	0.18	2334	0.08	2346	0.05
8 0138	0.93	23 0153	0.90	8 0313	0.81	23 0337	0.75	8 0403	0.71	23 0430	0.67	8 1045	0.65	23 1057	0.41
0856	0.07	0901	0.10	0949	0.17	0951	0.22	0952	0.28	0954	0.33	1710	0.98	TH 1717	0.98
TU 1532	0.67	WE 1536	0.70	FR 1620	0.79	SA 1619	0.84	1619	0.89	MO 1621	0.93				
● 2024	0.43	2049	0.41	2219	0.32	2242	0.26	2302	0.19	2320	0.13				
9 0233	0.91	24 0251	0.86	9 0415	0.77	24 0440	0.72	9 0506	0.69	24 0532	0.66	9 0648	0.66	24 1149	0.41
0944	0.09	0947	0.12	1033	0.20	1034	0.26	1036	0.31	1039	0.35	1135	0.40	FR 1149	0.41
WE 1618	0.70	TH 1620	0.74	SA 1701	0.84	SU 1701	0.88	1702	0.93	TU 1705	0.96	1756	0.99	1805	0.98
2129	0.41	2154	0.37	2318	0.26	2339	0.20	2357	0.14						
10 0330	0.88	25 0351	0.83	10 0515	0.74	25 0541	0.70	10 0605	0.67	25 0011	0.09	10 0110	0.03	25 0117	0.03
1029	0.11	1031	0.15	1115	0.24	1116	0.29	1119	0.34	0629	0.66	0737	0.67	0747	0.69
TH 1701	0.74	FR 1702	0.79	SU 1742	0.88	MO 1743	0.93	1745	0.96	WE 1125	0.37	1225	0.40	SA 1242	0.40
2230	0.37	2256	0.32							1749	0.98	1842	0.99	1853	0.96
11 0429	0.84	26 0450	0.79	11 0015	0.21	26 0032	0.15	11 0047	0.09	26 0100	0.05	11 0155	0.03	26 0200	0.04
1113	0.13	1115	0.18	0614	0.71	0639	0.68	0702	0.66	0722	0.66	0823	0.68	0830	0.71
FR 1743	0.78	SA 1742	0.83	MO 1157	0.27	TU 1159	0.32	1203	0.36	1212	0.39	1315	0.40	SU 1335	0.39
2330	0.33	2354	0.27	1822	0.92	1824	0.96	1828	0.99	1833	1.00	● 1930	0.97	● 1943	0.94
12 0527	0.81	27 0549	0.76	12 0107	0.15	27 0123	0.10	12 0136	0.06	27 0146	0.03	12 0238	0.04	27 0243	0.06
1154	0.16	1155	0.22	0712	0.69	0735	0.67	0755	0.66	0812	0.66	0907	0.70	0912	0.73
SA 1822	0.83	SU 1821	0.88	1237	0.30	WE 1241	0.35	1248	0.38	1300	0.40	1409	0.39	MO 1430	0.37
				1902	0.96	1905	0.99	1911	1.00	1918	1.00	2018	0.94	2033	0.90
13 0028	0.28	28 0048	0.22	13 0158	0.11	28 0212	0.07	13 0223	0.04	28 0231	0.03	13 0321	0.06	28 0324	0.10
0623	0.78	0647	0.73	0807	0.67	0829	0.66	0846	0.66	0900	0.67	0950	0.72	0952	0.76
SU 1234	0.20	MO 1235	0.25	WE 1318	0.33	TH 1324	0.37	1334	0.39	1349	0.40	1503	0.38	TU 1527	0.34
1900	0.87	1900	0.92	1944	0.98	● 1948	1.00	● 1956	1.00	● 2005	0.98	2108	0.90	2127	0.85
14 0123	0.23	29 0142	0.17	14 0247	0.08	29 0300	0.05	14 0309	0.03	29 0315	0.04	14 0403	0.09	29 0405	0.14
0720	0.74	0744	0.70	0902	0.66	0921	0.65	0935	0.66	0945	0.69	1031	0.74	1032	0.79
MO 1314	0.24	TU 1315	0.29	TH 1400	0.36	FR 1410	0.39	1423	0.40	1442	0.40	1601	0.36	WE 1626	0.32
1939	0.91	1941	0.95	● 2026	1.00	2032	1.00	2042	0.98	2054	0.95	2201	0.86	2222	0.79
15 0215	0.18	30 0233	0.12	15 0336	0.06	30 0346	0.04	15 0354	0.04	30 0400	0.06	15 0445	0.14	30 0445	0.19
0816	0.71	0840	0.68	0956	0.65	1012	0.65	1022	0.67	1029	0.70	1114	0.77	1114	0.82
TU 1353	0.28	WE 1356	0.32	FR 1445	0.38	SA 1458	0.40	1515	0.40	MO 1537	0.39	WE 1701	0.33	TH 1726	0.28
● 2019	0.94	● 2021	0.97	2110	1.00	2118	0.98	2130	0.96	2144	0.91	2258	0.80	2322	0.74
												31	0443	0.09	
												31	1113	0.73	
												31	1635	0.37	
												31	2103	0.99	

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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

Caution: Predictions are of secondary quality

## **PIRATES BAY – TASMANIA**

2018

LAT 43° 2' S      LONG 147° 58' E

## Times and Heights of High and Low Waters

SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
Time	m	Time	m	Time	m	Time	m
<b>1</b> 0025 0.69	<b>16</b> 0053 0.65	<b>1</b> 0120 0.63	<b>16</b> 0245 0.62	<b>1</b> 0400 0.64	<b>16</b> 0409 0.67	<b>1</b> 0413 0.70	<b>16</b> 0413 0.75
0611 0.29	0612 0.34	0615 0.38	0722 0.41	0835 0.44	0900 0.43	0926 0.41	0954 0.36
SA 1241 0.88	SU 1242 0.92	MO 1246 0.95	TU 1352 0.96	TH 1455 0.94	FR 1509 0.90	SA 1528 0.86	SU 1549 0.80
1929 0.20	1947 0.15	2003 0.10	2115 0.07	2215 0.07	2220 0.09	2223 0.13	2225 0.18
<b>2</b> 0131 0.66	<b>17</b> 0200 0.63	<b>2</b> 0226 0.62	<b>17</b> 0346 0.62	<b>2</b> 0452 0.66	<b>17</b> 0456 0.70	<b>2</b> 0457 0.74	<b>17</b> 0456 0.79
0655 0.33	0659 0.37	0705 0.41	0817 0.43	0939 0.43	1005 0.41	1031 0.37	1058 0.31
SU 1326 0.91	MO 1329 0.94	TU 1334 0.96	WE 1444 0.96	FR 1550 0.92	SA 1607 0.87	SU 1629 0.82	MO 1653 0.76
2028 0.16	2044 0.11	2057 0.08	2207 0.06	2302 0.08	2306 0.11	2308 0.16	2309 0.21
<b>3</b> 0239 0.64	<b>18</b> 0305 0.62	<b>3</b> 0327 0.62	<b>18</b> 0443 0.64	<b>3</b> 0538 0.70	<b>18</b> 0539 0.74	<b>3</b> 0539 0.79	<b>18</b> 0537 0.84
0743 0.37	0748 0.40	0800 0.43	0917 0.44	1044 0.41	1109 0.37	1134 0.32	1158 0.26
MO 1413 0.94	TU 1417 0.96	WE 1425 0.96	TH 1536 0.95	SA 1646 0.89	SU 1706 0.83	MO 1730 0.78	TU 1755 0.73
● 2124 0.12	2138 0.08	2148 0.06	2257 0.06	2347 0.10	2349 0.14	2351 0.19	2351 0.25
<b>4</b> 0344 0.63	<b>19</b> 0406 0.63	<b>4</b> 0423 0.64	<b>19</b> 0532 0.66	<b>4</b> 0620 0.74	<b>19</b> 0620 0.78	<b>4</b> 0619 0.83	<b>19</b> 0618 0.88
0832 0.40	0843 0.42	0858 0.44	1018 0.43	1145 0.38	1210 0.33	1233 0.27	1254 0.20
TU 1500 0.96	WE 1507 0.97	TH 1517 0.96	FR 1630 0.93	SU 1744 0.85	MO 1805 0.80	TU 1830 0.75	WE 1856 0.70
2217 0.08	2229 0.05	2237 0.05	2343 0.06				
<b>5</b> 0444 0.63	<b>20</b> 0501 0.64	<b>5</b> 0513 0.67	<b>20</b> 0618 0.70	<b>5</b> 0030 0.12	<b>20</b> 0031 0.18	<b>5</b> 0032 0.23	<b>20</b> 0033 0.29
0925 0.41	0939 0.43	0958 0.43	1121 0.41	0700 0.78	0700 0.83	0659 0.88	0659 0.92
WE 1549 0.97	TH 1558 0.96	FR 1610 0.94	SA 1726 0.90	MO 1245 0.33	TU 1308 0.27	WE 1330 0.21	TH 1347 0.15
2308 0.05	2316 0.04	2323 0.05		1841 0.82	1904 0.77	1929 0.72	1954 0.68
<b>6</b> 0538 0.65	<b>21</b> 0550 0.67	<b>6</b> 0557 0.70	<b>21</b> 0027 0.08	<b>6</b> 0111 0.16	<b>21</b> 0112 0.21	<b>6</b> 0113 0.27	<b>21</b> 0115 0.32
1018 0.42	1035 0.42	1057 0.41	0700 0.73	0739 0.82	0738 0.87	0738 0.92	0740 0.96
TH 1638 0.97	FR 1649 0.96	SA 1703 0.92	SU 1221 0.38	TU 1342 0.28	WE 1403 0.22	TH 1422 0.16	FR 1438 0.10
2355 0.04			1820 0.87	1938 0.78	2001 0.73	2026 0.69	2050 0.67
<b>7</b> 0627 0.67	<b>22</b> 0001 0.04	<b>7</b> 0006 0.07	<b>22</b> 0110 0.11	<b>7</b> 0151 0.19	<b>22</b> 0151 0.25	<b>7</b> 0153 0.30	<b>22</b> 0156 0.35
1113 0.42	0635 0.69	0739 0.73	0739 0.77	0817 0.86	0816 0.91	0818 0.95	0821 0.99
FR 1727 0.97	SA 1132 0.41	SU 1255 0.38	MO 1319 0.34	WE 1437 0.23	TH 1457 0.17	FR 1514 0.11	SA 1528 0.07
1740 0.94	1740 0.94	1857 0.89	1915 0.84	2034 0.75	2059 0.70	● 2122 0.67	2145 0.65
<b>8</b> 0040 0.03	<b>23</b> 0045 0.05	<b>8</b> 0148 0.09	<b>23</b> 0150 0.14	<b>8</b> 0230 0.23	<b>23</b> 0230 0.29	<b>8</b> 0233 0.33	<b>23</b> 0239 0.37
0712 0.69	0716 0.72	0818 0.77	0817 0.81	0856 0.90	0856 0.95	0859 0.98	0903 1.00
SA 1207 0.40	SU 1229 0.38	MO 1352 0.35	TU 1415 0.29	TH 1530 0.19	FR 1548 0.13	SA 1603 0.08	SU 1615 0.05
1817 0.95	1832 0.91	1950 0.86	2011 0.80	● 2130 0.71	○ 2155 0.67	2217 0.65	○ 2237 0.65
<b>9</b> 0123 0.05	<b>24</b> 0127 0.08	<b>9</b> 0229 0.12	<b>24</b> 0230 0.18	<b>9</b> 0309 0.27	<b>24</b> 0311 0.32	<b>9</b> 0315 0.36	<b>24</b> 0323 0.39
0753 0.72	0756 0.76	0856 0.80	0856 0.85	0934 0.94	0937 0.97	0941 1.00	0947 1.00
SU 1302 0.39	MO 1325 0.35	TU 1448 0.30	WE 1511 0.25	FR 1623 0.15	SA 1639 0.10	SU 1653 0.06	MO 1703 0.04
1907 0.92	1925 0.87	● 2045 0.81	2107 0.76	2228 0.68	2251 0.65	2313 0.64	2329 0.65
<b>10</b> 0204 0.07	<b>25</b> 0207 0.11	<b>10</b> 0308 0.17	<b>25</b> 0308 0.22	<b>10</b> 0348 0.31	<b>25</b> 0351 0.36	<b>10</b> 0359 0.39	<b>25</b> 0411 0.40
0833 0.75	0834 0.79	0934 0.84	0934 0.89	1015 0.96	1019 0.99	1025 1.00	1033 0.99
MO 1358 0.36	TU 1421 0.32	WE 1544 0.26	TH 1605 0.20	SA 1715 0.11	SU 1730 0.07	MO 1742 0.05	TU 1750 0.04
● 1959 0.88	○ 2018 0.83	2140 0.77	○ 2203 0.72	2326 0.65	2348 0.64		
<b>11</b> 0245 0.10	<b>26</b> 0246 0.15	<b>11</b> 0346 0.21	<b>26</b> 0346 0.26	<b>11</b> 0430 0.35	<b>26</b> 0435 0.38	<b>11</b> 0007 0.64	<b>26</b> 0019 0.65
0913 0.78	0914 0.82	1013 0.88	1014 0.92	1058 0.98	1103 0.99	0446 0.41	0503 0.41
TU 1454 0.33	WE 1517 0.28	TH 1639 0.22	FR 1659 0.16	SU 1808 0.09	MO 1820 0.06	1111 0.99	WE 1122 0.96
2052 0.84	2114 0.78	2237 0.72	2301 0.68			1830 0.05	1837 0.06
<b>12</b> 0325 0.15	<b>27</b> 0326 0.20	<b>12</b> 0426 0.26	<b>27</b> 0427 0.31	<b>12</b> 0025 0.63	<b>27</b> 0045 0.63	<b>12</b> 0100 0.64	<b>27</b> 0109 0.67
0952 0.81	0952 0.86	1053 0.91	1054 0.95	0513 0.38	0523 0.41	0539 0.42	0600 0.42
WE 1551 0.30	TH 1615 0.24	FR 1735 0.18	SA 1753 0.13	MO 1143 0.98	TU 1149 0.98	1200 0.96	TH 1214 0.92
2147 0.79	2211 0.73	2336 0.68		1900 0.07	1911 0.06	1918 0.06	1924 0.09
<b>13</b> 0405 0.19	<b>28</b> 0405 0.25	<b>13</b> 0505 0.30	<b>28</b> 0001 0.65	<b>13</b> 0125 0.62	<b>28</b> 0141 0.63	<b>13</b> 0151 0.65	<b>28</b> 0157 0.69
1032 0.84	1033 0.89	1134 0.93	0508 0.35	0601 0.41	0616 0.43	0637 0.43	0702 0.41
TH 1650 0.26	FR 1712 0.20	SA 1830 0.15	SU 1137 0.97	1230 0.98	WE 1239 0.96	1252 0.93	1309 0.88
2245 0.74	2312 0.68		1847 0.10	1952 0.06	2000 0.06	2006 0.08	2010 0.12
<b>14</b> 0445 0.24	<b>29</b> 0446 0.30	<b>14</b> 0038 0.65	<b>29</b> 0103 0.63	<b>14</b> 0223 0.63	<b>29</b> 0235 0.65	<b>14</b> 0241 0.68	<b>29</b> 0244 0.72
1114 0.87	1115 0.92	0547 0.34	0552 0.38	0655 0.43	0715 0.43	0741 0.42	0808 0.39
FR 1749 0.22	SA 1809 0.17	SU 1218 0.95	MO 1222 0.97	WE 1319 0.96	TH 1332 0.93	FR 1348 0.89	SA 1408 0.83
2347 0.69		1927 0.12	1941 0.08	2043 0.06	2049 0.08	2054 0.11	● 2057 0.16
<b>15</b> 0528 0.29	<b>30</b> 0015 0.65	<b>15</b> 0141 0.63	<b>30</b> 0205 0.62	<b>15</b> 0318 0.64	<b>30</b> 0326 0.67	<b>15</b> 0329 0.71	<b>30</b> 0329 0.75
1158 0.90	0529 0.34	0632 0.38	0641 0.41	0755 0.44	0819 0.43	0847 0.40	0915 0.35
SA 1848 0.19	SU 1200 0.94	MO 1303 0.96	TU 1311 0.97	TH 1413 0.93	FR 1429 0.89	SA 1448 0.84	SU 1511 0.78
	1907 0.13	2022 0.09	2034 0.07	2132 0.07	2137 0.10	2140 0.14	2142 0.20
		<b>31</b> 0305 0.62					
		0735 0.43					
		WE 1401 0.96					
		2125 0.06					

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## Moon Phase Symbols

## ● New Moon

### First Quarter

Caution: Predictions are of secondary quality

TC +11:00) when in eff

## ○ Last Quarter