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# MELBOURNE (WILLIAMSTOWN) – VICTORIA

LAT 37° 52' S LONG 144° 55' E

Times and Heights of High and Low Waters

# 2020

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> 0138 0.23		<b>16</b> 0139 0.20		<b>1</b> 0224 0.30		<b>16</b> 0254 0.32		<b>1</b> 0206 0.35		<b>16</b> 0242 0.38		<b>1</b> 0250 0.46		<b>16</b> 0247 0.47	
0816 0.93		0806 0.94		0840 0.90		0849 0.94		0801 0.89		0820 0.94		0821 0.89		0820 0.90	
WE 1427 0.41		TH 1425 0.36		SA 1509 0.32		SU 1538 0.21		SU 1438 0.27		MO 1513 0.18		WE 1516 0.25		TH 1505 0.26	
1952 0.82		1957 0.88		2100 0.80		☾ 2141 0.88		2040 0.85		☾ 2130 0.93		☾ 2139 0.90		2146 0.93	
<b>2</b> 0213 0.26		<b>17</b> 0221 0.24		<b>2</b> 0254 0.33		<b>17</b> 0335 0.37		<b>2</b> 0235 0.37		<b>17</b> 0322 0.41		<b>2</b> 0324 0.49		<b>17</b> 0331 0.49	
0846 0.92		0841 0.94		0907 0.90		0928 0.93		0829 0.89		0900 0.93		0855 0.88		0908 0.86	
TH 1501 0.39		FR 1510 0.32		SU 1544 0.29		MO 1624 0.20		MO 1513 0.25		TU 1556 0.19		TH 1553 0.24		FR 1546 0.30	
2036 0.80		☾ 2052 0.87		☾ 2143 0.80		2238 0.86		2119 0.85		2222 0.91		2222 0.88		2233 0.89	
<b>3</b> 0245 0.29		<b>18</b> 0302 0.29		<b>3</b> 0328 0.37		<b>18</b> 0418 0.42		<b>3</b> 0307 0.40		<b>18</b> 0403 0.44		<b>3</b> 0401 0.51		<b>18</b> 0420 0.50	
0916 0.91		0917 0.93		0935 0.89		1008 0.91		0857 0.89		0943 0.91		0933 0.87		1003 0.81	
FR 1537 0.38		SA 1557 0.28		MO 1621 0.27		TU 1711 0.20		TU 1548 0.24		WE 1639 0.21		FR 1633 0.24		SA 1632 0.33	
☾ 2120 0.78		2147 0.85		2229 0.78		2342 0.83		☾ 2201 0.84		2316 0.87		2312 0.85		2324 0.87	
<b>4</b> 0318 0.32		<b>19</b> 0345 0.34		<b>4</b> 0404 0.42		<b>19</b> 0504 0.46		<b>4</b> 0341 0.44		<b>19</b> 0447 0.47		<b>4</b> 0448 0.52		<b>19</b> 0528 0.50	
0945 0.90		0955 0.93		1007 0.88		1052 0.89		0928 0.88		1028 0.87		1023 0.85		1110 0.77	
SA 1614 0.35		SU 1645 0.25		TU 1701 0.25		WE 1801 0.21		WE 1626 0.23		TH 1724 0.24		SA 1722 0.26		SU 1730 0.38	
2207 0.76		2248 0.83		2323 0.77				2248 0.82							
<b>5</b> 0354 0.37		<b>20</b> 0431 0.40		<b>5</b> 0448 0.48		<b>20</b> 0050 0.82		<b>5</b> 0421 0.48		<b>20</b> 0014 0.84		<b>5</b> 0010 0.83		<b>20</b> 0021 0.84	
1016 0.89		1035 0.92		1042 0.86		0600 0.50		1003 0.86		0538 0.49		0449 0.52		0655 0.47	
SU 1654 0.33		MO 1738 0.23		WE 1748 0.24		TH 1143 0.85		TH 1709 0.23		FR 1120 0.82		SU 1030 0.82		MO 1231 0.75	
2300 0.75				1859 0.22				2345 0.79		1816 0.27		1725 0.28		1850 0.42	
<b>6</b> 0434 0.42		<b>21</b> 0000 0.82		<b>6</b> 0030 0.76		<b>21</b> 0159 0.81		<b>6</b> 0509 0.52		<b>21</b> 0115 0.82		<b>6</b> 0015 0.82		<b>21</b> 0120 0.83	
1050 0.87		0523 0.46		0541 0.53		0712 0.52		1046 0.84		0646 0.51		0605 0.49		0804 0.43	
MO 1740 0.30		TU 1119 0.90		TH 1125 0.84		FR 1242 0.80		FR 1800 0.22		SA 1223 0.77		MO 1150 0.81		TU 1359 0.77	
		1834 0.21		1845 0.22		2003 0.23				1921 0.29		1841 0.31		2014 0.44	
<b>7</b> 0004 0.74		<b>22</b> 0118 0.82		<b>7</b> 0152 0.77		<b>22</b> 0304 0.82		<b>7</b> 0056 0.78		<b>22</b> 0220 0.81		<b>7</b> 0120 0.83		<b>22</b> 0214 0.83	
0523 0.49		0627 0.51		0647 0.57		0852 0.52		0611 0.54		0825 0.49		0726 0.44		0856 0.38	
TU 1130 0.85		WE 1211 0.87		FR 1221 0.81		SA 1348 0.77		SA 1146 0.82		SU 1339 0.74		TU 1317 0.83		WE 1504 0.81	
1833 0.28		1935 0.20		1950 0.21		2112 0.23		1905 0.23		2036 0.31		2000 0.34		2119 0.45	
<b>8</b> 0123 0.76		<b>23</b> 0231 0.83		<b>8</b> 0314 0.79		<b>23</b> 0403 0.83		<b>8</b> 0214 0.78		<b>23</b> 0321 0.81		<b>8</b> 0220 0.84		<b>23</b> 0257 0.84	
0624 0.55		0746 0.54		0808 0.58		1016 0.48		0729 0.54		0947 0.45		0843 0.37		0937 0.33	
WE 1215 0.83		TH 1308 0.84		SA 1330 0.80		SU 1509 0.75		SU 1301 0.80		MO 1509 0.74		WE 1445 0.87		TH 1556 0.87	
1934 0.25		2038 0.19		2059 0.19		2216 0.23		2019 0.23		2151 0.32		☾ 2119 0.36		☾ 2209 0.46	
<b>9</b> 0249 0.79		<b>24</b> 0337 0.86		<b>9</b> 0416 0.82		<b>24</b> 0454 0.84		<b>9</b> 0322 0.80		<b>24</b> 0412 0.82		<b>9</b> 0313 0.87		<b>24</b> 0332 0.85	
0740 0.58		0923 0.54		0933 0.55		1111 0.43		0852 0.50		1041 0.40		0949 0.29		1014 0.30	
TH 1311 0.82		FR 1409 0.81		SU 1437 0.80		MO 1624 0.76		MO 1420 0.80		TU 1617 0.77		TH 1555 0.93		FR 1641 0.92	
2036 0.21		2140 0.18		☾ 2202 0.17		☾ 2310 0.23		2132 0.23		☾ 2249 0.32		2225 0.38		2250 0.47	
<b>10</b> 0359 0.84		<b>25</b> 0435 0.88		<b>10</b> 0506 0.85		<b>25</b> 0535 0.85		<b>10</b> 0417 0.82		<b>25</b> 0453 0.83		<b>10</b> 0359 0.89		<b>25</b> 0404 0.87	
0907 0.59		1037 0.51		1050 0.50		1154 0.39		1014 0.44		1121 0.35		1045 0.24		1048 0.27	
FR 1410 0.81		SA 1515 0.80		MO 1545 0.82		TU 1719 0.78		TU 1542 0.83		WE 1710 0.81		FR 1654 0.97		SA 1720 0.95	
2135 0.18		☾ 2237 0.18		2302 0.17		2354 0.25		☾ 2242 0.24		2335 0.34		2316 0.41		2327 0.49	
<b>11</b> 0453 0.88		<b>26</b> 0525 0.90		<b>11</b> 0547 0.88		<b>26</b> 0610 0.86		<b>11</b> 0503 0.85		<b>26</b> 0528 0.84		<b>11</b> 0442 0.92		<b>26</b> 0434 0.89	
1026 0.57		1131 0.47		1147 0.44		1230 0.36		1119 0.36		1156 0.32		1132 0.20		1123 0.26	
SA 1507 0.82		SU 1625 0.79		TU 1657 0.85		WE 1805 0.80		WE 1658 0.87		TH 1754 0.85		SA 1746 1.00		SU 1758 0.98	
☾ 2230 0.16		2326 0.19		2357 0.18				2342 0.26							
<b>12</b> 0539 0.91		<b>27</b> 0607 0.90		<b>12</b> 0625 0.89		<b>27</b> 0032 0.27		<b>12</b> 0545 0.87		<b>27</b> 0014 0.36		<b>12</b> 0001 0.43		<b>27</b> 0000 0.50	
1123 0.53		1216 0.43		1236 0.37		0641 0.86		1212 0.29		0558 0.85		0524 0.94		0506 0.90	
SU 1604 0.84		MO 1724 0.80		WE 1802 0.87		TH 1303 0.33		TH 1800 0.91		FR 1228 0.29		SU 1217 0.19		MO 1200 0.26	
2322 0.15				1846 0.82						1833 0.88		1837 1.02		1834 0.99	
<b>13</b> 0620 0.93		<b>28</b> 0009 0.20		<b>13</b> 0045 0.20		<b>28</b> 0106 0.29		<b>13</b> 0032 0.29		<b>28</b> 0048 0.38		<b>13</b> 0045 0.44		<b>28</b> 0032 0.51	
1211 0.49		0644 0.90		0700 0.91		0709 0.87		0623 0.90		0625 0.86		0606 0.96		0540 0.91	
MO 1701 0.85		TU 1256 0.40		TH 1323 0.32		FR 1334 0.31		FR 1300 0.24		SA 1300 0.27		MO 1301 0.19		TU 1235 0.26	
		1814 0.81		1900 0.90		1925 0.84		1854 0.94		1911 0.90		1926 1.01		1910 0.99	
<b>14</b> 0011 0.16		<b>29</b> 0046 0.22		<b>14</b> 0130 0.24		<b>29</b> 0137 0.32		<b>14</b> 0117 0.32		<b>29</b> 0120 0.40		<b>14</b> 0126 0.45		<b>29</b> 0105 0.52	
0657 0.93		0715 0.90		0736 0.92		0735 0.88		0701 0.92		0652 0.88		0650 0.95		0615 0.91	
TU 1256 0.45		WE 1331 0.38		FR 1408 0.27		SA 1406 0.29		SA 1345 0.20		SU 1332 0.26		TU 1344 0.21		WE 1312 0.27	
1802 0.87		1858 0.81		1954 0.91		2002 0.85		1946 0.96		1946 0.92		2014 0.99		1945 0.98	
<b>15</b> 0056 0.17		<b>30</b> 0121 0.24		<b>15</b> 0212 0.28				<b>15</b> 0200 0.35		<b>30</b> 0150 0.42		<b>15</b> 0206 0.46		<b>30</b> 0137 0.53	
0732 0.93		0745 0.90		0812 0.93				0740 0.94		0720 0.89		0734 0.94		0651 0.91	
WE 1340 0.40		TH 1404 0.36		SA 1453 0.23				SU 1429 0.18		MO 1406 0.25		WE 1425 0.23		TH 1347 0.27	
1901 0.88		1939 0.81		2046 0.90				2037 0.95		2023 0.92		☾ 2100 0.96		2023 0.96	
		<b>31</b> 0153 0.27						<b>31</b> 0220 0.44							
		0813 0.90						0750 0.90							
		FR 1436 0.34						TU 1441 0.25							
		2019 0.81						2100 0.92							

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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

# MELBOURNE (WILLIAMSTOWN) – VICTORIA

LAT 37° 52' S LONG 144° 55' E

Times and Heights of High and Low Waters

# 2020

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> 0212 0.54 0730 0.90 FR 1424 0.28 ☾ 2102 0.94		<b>16</b> 0315 0.50 0851 0.85 SA 1511 0.35 2153 0.95		<b>1</b> 0337 0.49 0921 0.87 MO 1529 0.39 2202 0.97		<b>16</b> 0427 0.45 1027 0.80 TU 1558 0.50 2225 0.94		<b>1</b> 0426 0.36 1031 0.88 WE 1605 0.51 2216 0.99		<b>16</b> 0430 0.36 1056 0.82 TH 1606 0.56 2210 0.93		<b>1</b> 0601 0.25 1257 0.89 SA 1756 0.61 2331 0.93		<b>16</b> 0525 0.27 1230 0.82 SU 1718 0.62 2254 0.87		
<b>2</b> 0252 0.53 0816 0.88 SA 1504 0.29 2145 0.92		<b>17</b> 0404 0.50 0947 0.81 SU 1552 0.40 2234 0.92		<b>2</b> 0434 0.44 1031 0.87 TU 1626 0.45 2249 0.96		<b>17</b> 0521 0.42 1139 0.80 WE 1647 0.56 2306 0.92		<b>2</b> 0525 0.32 1153 0.89 TH 1709 0.57 2305 0.98		<b>17</b> 0519 0.33 1210 0.83 FR 1700 0.62 2252 0.91		<b>2</b> 0703 0.24 1405 0.91 SU 1924 0.62		<b>17</b> 0626 0.26 1348 0.83 MO 1834 0.64		
<b>3</b> 0340 0.52 0916 0.86 SU 1551 0.32 2233 0.90		<b>18</b> 0504 0.48 1053 0.78 MO 1640 0.45 2319 0.90		<b>3</b> 0540 0.38 1154 0.88 WE 1735 0.52 2342 0.96		<b>18</b> 0617 0.38 1301 0.83 TH 1753 0.62 2352 0.90		<b>3</b> 0627 0.27 1315 0.92 FR 1826 0.62		<b>18</b> 0615 0.30 1331 0.86 SA 1807 0.66 2345 0.89		<b>3</b> 0034 0.90 0806 0.23 MO 1507 0.93 2102 0.60		<b>18</b> 0000 0.85 0731 0.24 TU 1452 0.86 2000 0.61		
<b>4</b> 0440 0.49 1029 0.84 MO 1651 0.36 2328 0.90		<b>19</b> 0615 0.45 1213 0.78 TU 1745 0.51		<b>4</b> 0648 0.32 1322 0.92 TH 1857 0.57		<b>19</b> 0711 0.34 1415 0.88 FR 1928 0.66		<b>4</b> 0000 0.96 0729 0.24 SA 1427 0.96 1955 0.64		<b>19</b> 0714 0.28 1440 0.89 SU 1933 0.68		<b>4</b> 0140 0.88 0907 0.23 TU 1600 0.95 2206 0.55		<b>19</b> 0110 0.84 0833 0.22 WE 1541 0.89 ● 2119 0.56		
<b>5</b> 0551 0.44 1150 0.84 TU 1805 0.42		<b>20</b> 0007 0.88 0714 0.41 WE 1337 0.81 1918 0.56		<b>5</b> 0038 0.95 0753 0.27 FR 1438 0.97 2026 0.60		<b>20</b> 0041 0.89 0800 0.30 SA 1514 0.93 2048 0.66		<b>5</b> 0100 0.95 0830 0.23 SU 1530 0.99 2121 0.63		<b>20</b> 0043 0.88 0810 0.25 MO 1535 0.93 2059 0.66		<b>5</b> 0252 0.86 1001 0.24 WE 1645 0.96 2257 0.50		<b>20</b> 0217 0.85 0931 0.22 TH 1622 0.91 2219 0.50		
<b>6</b> 0025 0.89 0707 0.38 WE 1321 0.88 1928 0.47		<b>21</b> 0057 0.87 0803 0.36 TH 1444 0.86 2037 0.58		<b>6</b> 0134 0.95 0854 0.23 SA 1544 1.02 2144 0.60		<b>21</b> 0131 0.89 0848 0.27 SU 1604 0.98 ● 2147 0.65		<b>6</b> 0159 0.94 0926 0.22 MO 1625 1.02 2222 0.60		<b>21</b> 0141 0.88 0904 0.23 TU 1621 0.96 ● 2200 0.62		<b>6</b> 0400 0.86 1048 0.26 TH 1724 0.96 2339 0.46		<b>21</b> 0327 0.88 1025 0.23 FR 1659 0.93 2309 0.43		
<b>7</b> 0123 0.90 0816 0.31 TH 1444 0.93 2055 0.50		<b>22</b> 0143 0.87 0848 0.32 FR 1538 0.92 2135 0.58		<b>7</b> 0230 0.96 0949 0.22 SU 1639 1.05 2239 0.59		<b>22</b> 0220 0.90 0935 0.25 MO 1648 1.01 2234 0.63		<b>7</b> 0259 0.93 1017 0.23 TU 1711 1.02 2312 0.56		<b>22</b> 0237 0.89 0955 0.22 WE 1701 0.98 2250 0.58		<b>7</b> 0454 0.86 1130 0.28 FR 1758 0.96		<b>22</b> 0432 0.90 1114 0.26 SA 1734 0.95 2355 0.37		
<b>8</b> 0219 0.91 0920 0.25 FR 1550 0.99 2205 0.51		<b>23</b> 0226 0.88 0930 0.29 SA 1625 0.97 ● 2222 0.58		<b>8</b> 0324 0.96 1039 0.22 MO 1729 1.06 2327 0.57		<b>23</b> 0308 0.91 1020 0.25 TU 1729 1.03 2315 0.60		<b>8</b> 0400 0.92 1103 0.25 WE 1751 1.02 2356 0.53		<b>23</b> 0333 0.90 1044 0.23 TH 1737 0.99 2334 0.53		<b>8</b> 0016 0.44 0542 0.86 SA 1206 0.31 1829 0.95		<b>23</b> 0531 0.93 1200 0.30 SU 1808 0.96		
<b>9</b> 0311 0.93 1015 0.22 SA 1647 1.03 2258 0.52		<b>24</b> 0307 0.89 1010 0.27 SU 1706 1.01 2301 0.58		<b>9</b> 0417 0.96 1124 0.24 TU 1812 1.06		<b>24</b> 0355 0.93 1104 0.25 WE 1805 1.03 2356 0.58		<b>9</b> 0459 0.91 1145 0.28 TH 1828 1.02		<b>24</b> 0432 0.91 1129 0.25 FR 1811 0.99		<b>9</b> 0051 0.41 0626 0.86 SU 1240 0.34 1858 0.95		<b>24</b> 0040 0.32 0626 0.94 MO 1243 0.34 1844 0.98		
<b>10</b> 0400 0.95 1104 0.20 SU 1739 1.05 2344 0.52		<b>25</b> 0346 0.91 1049 0.26 MO 1745 1.03 2339 0.57		<b>10</b> 0011 0.55 0511 0.96 WE 1206 0.26 1852 1.05		<b>25</b> 0443 0.93 1146 0.26 TH 1839 1.03		<b>10</b> 0037 0.50 0551 0.90 FR 1224 0.30 1901 1.01		<b>25</b> 0017 0.49 0532 0.92 SA 1212 0.28 1843 1.00		<b>10</b> 0125 0.39 0708 0.85 MO 1312 0.37 1925 0.96		<b>25</b> 0125 0.28 0718 0.94 TU 1326 0.38 1920 0.99		
<b>11</b> 0447 0.97 1149 0.21 MO 1827 1.06		<b>26</b> 0426 0.93 1130 0.26 TU 1823 1.04		<b>11</b> 0053 0.53 0603 0.94 TH 1246 0.29 1930 1.04		<b>26</b> 0035 0.56 0533 0.93 FR 1227 0.28 1912 1.02		<b>11</b> 0116 0.48 0640 0.88 SA 1300 0.34 1933 1.00		<b>26</b> 0100 0.44 0630 0.92 SU 1253 0.31 1916 1.00		<b>11</b> 0158 0.37 0749 0.85 TU 1343 0.41 1951 0.96		<b>26</b> 0211 0.26 0813 0.92 WE 1408 0.43 ● 1958 0.99		
<b>12</b> 0027 0.52 0535 0.97 TU 1232 0.23 1912 1.05		<b>27</b> 0015 0.57 0506 0.93 WE 1209 0.27 1858 1.03		<b>12</b> 0134 0.51 0654 0.91 FR 1325 0.32 2005 1.02		<b>27</b> 0115 0.53 0628 0.92 SA 1306 0.31 1945 1.01		<b>12</b> 0154 0.46 0727 0.86 SU 1334 0.37 2003 0.99		<b>27</b> 0145 0.40 0725 0.92 MO 1334 0.36 ● 1950 1.00		<b>12</b> 0231 0.35 0832 0.84 WE 1415 0.45 ● 2019 0.95		<b>27</b> 0257 0.24 0910 0.90 TH 1450 0.47 2037 0.97		
<b>13</b> 0108 0.51 0623 0.96 WE 1314 0.25 1954 1.03		<b>28</b> 0050 0.57 0547 0.93 TH 1246 0.28 1932 1.02		<b>13</b> 0215 0.50 0744 0.88 SA 1401 0.36 ● 2040 1.00		<b>28</b> 0158 0.50 0725 0.91 SU 1345 0.34 ● 2018 1.01		<b>13</b> 0230 0.44 0813 0.84 MO 1408 0.41 ● 2032 0.98		<b>28</b> 0230 0.35 0820 0.91 TU 1416 0.41 2026 1.00		<b>13</b> 0308 0.32 0918 0.83 TH 1450 0.49 2048 0.94		<b>28</b> 0344 0.24 1014 0.87 FR 1535 0.51 2120 0.95		
<b>14</b> 0150 0.51 0712 0.93 TH 1353 0.28 2034 1.00		<b>29</b> 0127 0.56 0631 0.92 FR 1324 0.29 2007 1.00		<b>14</b> 0257 0.49 0834 0.84 SU 1438 0.39 2114 0.98		<b>29</b> 0243 0.46 0823 0.90 MO 1427 0.39 2054 1.01		<b>14</b> 0307 0.42 0900 0.83 TU 1443 0.45 2102 0.97		<b>29</b> 0318 0.32 0919 0.89 WE 1500 0.47 2104 1.00		<b>14</b> 0348 0.30 1012 0.82 FR 1530 0.54 2122 0.92		<b>29</b> 0433 0.24 1121 0.85 SA 1627 0.54 2210 0.91		
<b>15</b> 0231 0.50 0800 0.89 FR 1432 0.32 ● 2114 0.98		<b>30</b> 0205 0.55 0720 0.91 SA 1401 0.31 ● 2042 0.99		<b>15</b> 0340 0.48 0927 0.82 MO 1515 0.44 2148 0.96		<b>30</b> 0332 0.41 0923 0.89 TU 1513 0.44 2132 1.00		<b>15</b> 0346 0.39 0953 0.82 WE 1521 0.50 2134 0.96		<b>30</b> 0409 0.29 1026 0.88 TH 1549 0.52 2146 0.98		<b>15</b> 0432 0.29 1115 0.81 SA 1619 0.58 2201 0.90		<b>30</b> 0530 0.25 1229 0.85 SU 1731 0.57 2310 0.87		
		<b>31</b> 0247 0.52 0817 0.89 SU 1442 0.34 2120 0.98								<b>31</b> 0502 0.26 1144 0.88 FR 1645 0.58 2234 0.96			<b>31</b> 0633 0.25 1333 0.85 MO 1901 0.57			

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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

# MELBOURNE (WILLIAMSTOWN) – VICTORIA

LAT 37° 52' S LONG 144° 55' E

# 2020

Times and Heights of High and Low Waters

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> 0019 0.83		<b>16</b> 0649 0.25		<b>1</b> 0147 0.76		<b>16</b> 0146 0.81		<b>1</b> 0441 0.85		<b>16</b> 0422 0.93		<b>1</b> 0511 0.92		<b>16</b> 0515 0.96	
0742 0.25		1350 0.81		0828 0.32		0824 0.33		1053 0.43		1030 0.48		1107 0.52		1111 0.53	
TU 1435 0.86		WE 1919 0.53		TH 1446 0.82		FR 1444 0.82		SU 1614 0.81		MO 1535 0.88		TU 1549 0.82		WE 1552 0.89	
2045 0.53				2120 0.40		2106 0.36		○ 2257 0.26		2244 0.16		2255 0.20		2315 0.14	
<b>2</b> 0139 0.80		<b>17</b> 0052 0.81		<b>2</b> 0258 0.79		<b>17</b> 0313 0.85		<b>2</b> 0526 0.90		<b>17</b> 0521 0.98		<b>2</b> 0553 0.95		<b>17</b> 0607 0.98	
0849 0.26		0800 0.25		0929 0.32		0940 0.35		1134 0.44		1129 0.48		1147 0.51		1202 0.51	
WE 1529 0.88		TH 1446 0.83		FR 1530 0.83		SA 1537 0.84		MO 1646 0.83		TU 1626 0.90		WE 1630 0.84		TH 1650 0.89	
○ 2148 0.47		● 2038 0.47		○ 2203 0.35		● 2213 0.29		2330 0.23		2336 0.14		2334 0.19			
<b>3</b> 0300 0.81		<b>18</b> 0212 0.84		<b>3</b> 0352 0.82		<b>18</b> 0426 0.91		<b>3</b> 0606 0.93		<b>18</b> 0615 1.00		<b>3</b> 0631 0.97		<b>18</b> 0004 0.15	
0947 0.26		0906 0.26		1017 0.34		1049 0.38		1211 0.45		1217 0.48		1224 0.50		0652 0.98	
TH 1613 0.89		FR 1533 0.86		SA 1607 0.84		SU 1625 0.87		TU 1716 0.85		WE 1716 0.92		TH 1711 0.85		FR 1249 0.47	
2235 0.42		2145 0.39		2239 0.31		2311 0.22							1749 0.89		
<b>4</b> 0359 0.82		<b>19</b> 0328 0.88		<b>4</b> 0538 0.86		<b>19</b> 0525 0.96		<b>4</b> 0005 0.22		<b>19</b> 0024 0.15		<b>4</b> 0014 0.19		<b>19</b> 0048 0.17	
1035 0.28		1007 0.28		1157 0.36		1145 0.40		0643 0.95		0703 1.01		0708 0.97		0732 0.97	
FR 1649 0.89		SA 1615 0.89		SU 1739 0.85		MO 1709 0.90		WE 1245 0.46		TH 1302 0.47		FR 1300 0.49		SA 1333 0.45	
2314 0.38		2240 0.32						1748 0.87		1807 0.93		1751 0.86		1845 0.88	
<b>5</b> 0447 0.84		<b>20</b> 0430 0.92		<b>5</b> 0010 0.28		<b>20</b> 0001 0.18		<b>5</b> 0040 0.22		<b>20</b> 0109 0.16		<b>5</b> 0051 0.20		<b>20</b> 0130 0.20	
1115 0.30		1100 0.31		0618 0.89		0619 0.99		0718 0.96		0748 0.99		0742 0.96		0811 0.96	
SA 1721 0.90		SU 1653 0.91		MO 1232 0.38		TU 1233 0.42		TH 1316 0.46		FR 1345 0.46		SA 1333 0.49		SU 1417 0.42	
2347 0.35		2329 0.26		1806 0.87		1752 0.93		1822 0.88		1858 0.92		1832 0.86		1939 0.86	
<b>6</b> 0530 0.86		<b>21</b> 0525 0.96		<b>6</b> 0041 0.27		<b>21</b> 0048 0.16		<b>6</b> 0115 0.22		<b>21</b> 0152 0.19		<b>6</b> 0128 0.21		<b>21</b> 0210 0.23	
1150 0.33		1147 0.35		0656 0.91		0710 1.00		0753 0.95		0831 0.97		0815 0.94		0847 0.94	
SU 1750 0.90		MO 1730 0.94		TU 1304 0.40		WE 1317 0.43		FR 1347 0.47		SA 1429 0.45		SU 1408 0.48		MO 1500 0.40	
				1833 0.88		1835 0.95		1857 0.88		1949 0.90		1915 0.86		2030 0.83	
<b>7</b> 0018 0.33		<b>22</b> 0015 0.22		<b>7</b> 0113 0.25		<b>22</b> 0133 0.17		<b>7</b> 0151 0.23		<b>22</b> 0233 0.22		<b>7</b> 0203 0.22		<b>22</b> 0248 0.27	
0611 0.87		0617 0.97		0731 0.92		0800 0.99		0827 0.93		0914 0.95		0846 0.93		0923 0.92	
MO 1222 0.36		TU 1231 0.38		WE 1334 0.42		TH 1400 0.44		SA 1418 0.48		SU 1513 0.44		MO 1445 0.47		TU 1543 0.39	
1817 0.91		1809 0.96		1900 0.90		1920 0.95		1932 0.88		● 2041 0.86		2000 0.84		● 2120 0.80	
<b>8</b> 0049 0.31		<b>23</b> 0100 0.20		<b>8</b> 0146 0.25		<b>23</b> 0217 0.18		<b>8</b> 0226 0.23		<b>23</b> 0314 0.26		<b>8</b> 0238 0.24		<b>23</b> 0325 0.31	
0648 0.87		0709 0.96		0806 0.92		0848 0.96		0902 0.91		0954 0.92		0919 0.91		0957 0.90	
TU 1252 0.39		WE 1315 0.41		TH 1403 0.44		FR 1443 0.45		SU 1452 0.49		MO 1558 0.43		TU 1524 0.44		WE 1626 0.37	
1843 0.92		1849 0.97		1930 0.90		● 2006 0.93		● 2010 0.86		2134 0.82		● 2052 0.83		2213 0.76	
<b>9</b> 0121 0.30		<b>24</b> 0145 0.20		<b>9</b> 0221 0.25		<b>24</b> 0300 0.21		<b>9</b> 0300 0.24		<b>24</b> 0354 0.30		<b>9</b> 0315 0.27		<b>24</b> 0402 0.36	
0727 0.88		0801 0.94		0843 0.90		0936 0.93		0940 0.89		1033 0.89		0955 0.90		1031 0.89	
WE 1321 0.42		TH 1356 0.44		FR 1432 0.46		SA 1525 0.46		MO 1529 0.48		TU 1646 0.43		WE 1608 0.41		TH 1711 0.35	
1910 0.93		● 1930 0.96		2001 0.90		2054 0.90		2053 0.84		2230 0.77		2151 0.81		2310 0.74	
<b>10</b> 0156 0.28		<b>25</b> 0230 0.21		<b>10</b> 0256 0.25		<b>25</b> 0343 0.24		<b>10</b> 0338 0.25		<b>25</b> 0435 0.35		<b>10</b> 0358 0.31		<b>25</b> 0444 0.42	
0805 0.87		0856 0.91		0921 0.88		1024 0.90		1020 0.87		1115 0.86		1033 0.89		1107 0.86	
TH 1351 0.45		FR 1438 0.46		SA 1504 0.48		SU 1609 0.46		TU 1613 0.47		WE 1744 0.41		TH 1700 0.37		FR 1800 0.33	
● 1938 0.92		2014 0.94		● 2034 0.88		2145 0.85		2146 0.82		2336 0.74		2257 0.80			
<b>11</b> 0231 0.27		<b>26</b> 0314 0.23		<b>11</b> 0332 0.25		<b>26</b> 0426 0.27		<b>11</b> 0422 0.28		<b>26</b> 0524 0.40		<b>11</b> 0450 0.37		<b>26</b> 0019 0.74	
0846 0.86		0951 0.88		1002 0.86		1111 0.86		1105 0.85		1159 0.84		1116 0.89		0531 0.48	
FR 1424 0.48		SA 1522 0.49		SU 1541 0.50		MO 1659 0.47		WE 1707 0.45		TH 1852 0.39		FR 1800 0.32		SA 1146 0.84	
2009 0.91		2100 0.90		2111 0.87		2242 0.80		2255 0.80					1855 0.30		
<b>12</b> 0309 0.26		<b>27</b> 0400 0.25		<b>12</b> 0411 0.25		<b>27</b> 0513 0.31		<b>12</b> 0518 0.32		<b>27</b> 0057 0.73		<b>12</b> 0012 0.80		<b>27</b> 0144 0.76	
0932 0.83		1048 0.85		1049 0.83		1200 0.84		1155 0.84		0628 0.46		0555 0.44		0635 0.54	
SA 1501 0.51		SU 1611 0.50		MO 1624 0.51		TU 1802 0.47		TH 1815 0.40		FR 1245 0.82		SA 1205 0.88		SU 1230 0.82	
2042 0.89		2153 0.85		2156 0.84		2350 0.75				1954 0.34		1907 0.27		1950 0.27	
<b>13</b> 0351 0.26		<b>28</b> 0452 0.27		<b>13</b> 0458 0.26		<b>28</b> 0611 0.35		<b>13</b> 0015 0.79		<b>28</b> 0222 0.76		<b>13</b> 0143 0.83		<b>28</b> 0259 0.80	
1027 0.81		1148 0.82		1144 0.81		1256 0.82		0628 0.38		0800 0.50		0712 0.51		0809 0.58	
SU 1546 0.54		MO 1714 0.52		TU 1719 0.51		WE 1930 0.44		FR 1249 0.84		SA 1334 0.80		SU 1300 0.88		MO 1320 0.80	
2122 0.87		2258 0.80		2258 0.81				1929 0.34		2046 0.30		2015 0.21		2044 0.24	
<b>14</b> 0439 0.25		<b>29</b> 0557 0.30		<b>14</b> 0556 0.28		<b>29</b> 0115 0.73		<b>14</b> 0145 0.82		<b>29</b> 0329 0.81		<b>14</b> 0306 0.88		<b>29</b> 0359 0.85	
1132 0.80		1251 0.81		1244 0.80		0730 0.39		0748 0.43		0920 0.52		0836 0.54		0932 0.58	
MO 1643 0.56		TU 1849 0.50		WE 1830 0.49		TH 1354 0.80		SA 1346 0.85		SU 1422 0.80		MO 1357 0.88		TU 1411 0.80	
2217 0.84						2043 0.39		2040 0.27		2132 0.26		2119 0.17		2134 0.21	
<b>15</b> 0539 0.25		<b>30</b> 0016 0.76		<b>15</b> 0017 0.79		<b>30</b> 0242 0.75		<b>15</b> 0312 0.87		<b>30</b> 0424 0.87		<b>15</b> 0416 0.93		<b>30</b> 0450 0.89	
1244 0.79		0712 0.31		0707 0.31		0855 0.41		0910 0.46		1020 0.52		1004 0.55		1033 0.57	
TU 1756 0.57		WE 1353 0.82		TH 1345 0.81		FR 1449 0.80		SU 1442 0.86		MO 1507 0.80		TU 1455 0.88		WE 1502 0.80	
2330 0.81		2021 0.45		1951 0.44		2138 0.34		● 2145 0.21		○ 2215 0.22		● 2220 0.14		○ 2222 0.19	
				<b>31</b> 0347 0.80										<b>31</b> 0535 0.92	
				1001 0.42										1121 0.54	
				SA 1536 0.80										TH 1552 0.81	
				2220 0.29										2309 0.17	

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