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# PENRITH ISLAND – QUEENSLAND

LAT 21° 0' LONG 149° 54'

Times and Heights of High and Low Waters

# 2018

Local Time

## JANUARY

Time	m	Time	m
<b>1</b> 0341 0.17	<b>16</b> 0348 1.15		
1000 6.01	1017 5.04		
MO 1629 0.58	TU 1644 1.51		
2214 4.86	2224 4.06		
<b>2</b> 0425 0.15	<b>17</b> 0419 1.13		
1045 6.09	1045 5.05		
TU 1715 0.54	WE 1713 1.50		
○ 2300 4.77	● 2252 4.05		
<b>3</b> 0509 0.23	<b>18</b> 0447 1.13		
1130 6.05	1111 5.05		
WE 1802 0.59	TH 1739 1.51		
2347 4.63	2318 4.04		
<b>4</b> 0553 0.43	<b>19</b> 0515 1.16		
1215 5.89	1136 5.03		
TH 1850 0.72	FR 1806 1.53		
	2346 4.02		
<b>5</b> 0636 4.45	<b>20</b> 0544 1.23		
0639 0.72	1203 4.98		
FR 1302 5.62	SA 1836 1.56		
1940 0.91			
<b>6</b> 0128 4.24	<b>21</b> 0019 3.99		
0728 1.09	0617 1.37		
SA 1352 5.28	SU 1236 4.86		
2032 1.10	1913 1.62		
<b>7</b> 0227 4.06	<b>22</b> 0101 3.91		
0823 1.48	0659 1.59		
SU 1447 4.90	MO 1317 4.64		
2130 1.28	2001 1.71		
<b>8</b> 0339 3.96	<b>23</b> 0158 3.82		
0929 1.82	0754 1.88		
MO 1552 4.55	TU 1413 4.36		
2229 1.39	2107 1.76		
<b>9</b> 0500 4.01	<b>24</b> 0323 3.80		
1046 2.04	0914 2.13		
TU 1703 4.31	WE 1540 4.11		
● 2329 1.44	2232 1.69		
<b>10</b> 0609 4.20	<b>25</b> 0509 4.05		
1208 2.07	1106 2.14		
WE 1809 4.18	TH 1724 4.09		
	● 2352 1.44		
<b>11</b> 0024 1.42	<b>26</b> 0625 4.53		
0705 4.43	1241 1.84		
TH 1316 1.98	FR 1839 4.28		
1904 4.12			
<b>12</b> 0114 1.37	<b>27</b> 0058 1.10		
0752 4.65	0723 5.05		
FR 1412 1.84	SA 1347 1.42		
1953 4.10	1938 4.51		
<b>13</b> 0158 1.31	<b>28</b> 0153 0.75		
0833 4.82	0814 5.52		
SA 1458 1.71	SU 1444 1.04		
2036 4.09	2030 4.71		
<b>14</b> 0238 1.24	<b>29</b> 0244 0.47		
0912 4.93	0902 5.87		
SU 1537 1.61	MO 1533 0.74		
2115 4.08	2119 4.85		
<b>15</b> 0315 1.19	<b>30</b> 0330 0.28		
0946 5.00	0949 6.10		
MO 1613 1.54	TU 1620 0.55		
2152 4.07	2207 4.93		
	<b>31</b> 0416 0.20		
	1034 6.19		
	WE 1704 0.47		
	○ 2253 4.95		

## FEBRUARY

Time	m	Time	m
<b>1</b> 0500 0.24	<b>16</b> 0430 1.03		
1117 6.16	1045 5.23		
TH 1747 0.50	FR 1711 1.29		
2337 4.91	● 2259 4.42		
<b>2</b> 0542 0.41	<b>17</b> 0500 1.04		
1159 5.98	1112 5.22		
FR 1828 0.62	SA 1737 1.29		
	2327 4.45		
<b>3</b> 0620 4.79	<b>18</b> 0530 1.11		
0623 0.69	1140 5.16		
SA 1239 5.69	SU 1806 1.31		
1908 0.83			
<b>4</b> 0103 4.63	<b>19</b> 0000 4.46		
0705 1.06	0604 1.24		
SU 1319 5.29	MO 1213 5.01		
1949 1.09	1841 1.37		
<b>5</b> 0148 4.42	<b>20</b> 0040 4.41		
0751 1.48	0645 1.47		
MO 1401 4.83	TU 1252 4.75		
2033 1.38	1924 1.50		
<b>6</b> 0241 4.21	<b>21</b> 0130 4.30		
0844 1.91	0738 1.76		
TU 1452 4.35	WE 1342 4.40		
2125 1.64	2019 1.66		
<b>7</b> 0350 4.06	<b>22</b> 0241 4.19		
0955 2.24	0850 2.06		
WE 1600 3.96	TH 1455 4.03		
2228 1.83	2138 1.77		
<b>8</b> 0517 4.07	<b>23</b> 0426 4.25		
1130 2.36	1039 2.15		
TH 1730 3.77	FR 1654 3.88		
● 2339 1.88	● 2315 1.67		
<b>9</b> 0633 4.25	<b>24</b> 0600 4.61		
1256 2.23	1225 1.89		
FR 1844 3.79	SA 1826 4.07		
<b>10</b> 0045 1.78	<b>25</b> 0036 1.38		
0730 4.51	0706 5.08		
SA 1357 1.99	SU 1337 1.46		
1939 3.92	1930 4.37		
<b>11</b> 0138 1.60	<b>26</b> 0139 1.01		
0813 4.75	0800 5.53		
SU 1441 1.76	MO 1433 1.05		
2023 4.06	2024 4.67		
<b>12</b> 0221 1.41	<b>27</b> 0232 0.68		
0851 4.94	0849 5.88		
MO 1516 1.57	TU 1522 0.73		
2101 4.19	2113 4.92		
<b>13</b> 0259 1.24	<b>28</b> 0321 0.44		
0924 5.08	0935 6.08		
TU 1549 1.44	WE 1605 0.53		
2134 4.28	2158 5.09		
<b>14</b> 0332 1.13	<b>29</b> 0332 1.13		
0954 5.17	0954 5.17		
WE 1618 1.36	WE 1618 1.36		
2204 4.34	2204 4.34		
<b>15</b> 0402 1.06	<b>30</b> 0402 1.06		
1020 5.21	1020 5.21		
TH 1645 1.31	TH 1645 1.31		
2231 4.38	2231 4.38		

## MARCH

Time	m	Time	m
<b>1</b> 0405 0.34	<b>16</b> 0343 1.05		
1017 6.14	0951 5.28		
TH 1645 0.45	FR 1615 1.11		
2241 5.18	2209 4.71		
<b>2</b> 0446 0.37	<b>17</b> 0414 1.01		
1058 6.06	1019 5.29		
FR 1723 0.49	SA 1643 1.06		
○ 2320 5.19	● 2239 4.81		
<b>3</b> 0526 0.53	<b>18</b> 0445 1.00		
1135 5.83	1048 5.26		
SA 1758 0.64	SU 1712 1.04		
2358 5.11	2311 4.89		
<b>4</b> 0604 0.81	<b>19</b> 0519 1.05		
1210 5.50	1120 5.16		
SU 1830 0.88	MO 1743 1.06		
	2346 4.92		
<b>5</b> 0635 4.95	<b>20</b> 0557 1.17		
0642 1.17	1156 4.98		
MO 1245 5.08	TU 1817 1.14		
1904 1.18			
<b>6</b> 0113 4.72	<b>21</b> 0027 4.89		
0721 1.58	0640 1.37		
TU 1320 4.61	WE 1236 4.70		
1940 1.51	1859 1.30		
<b>7</b> 0154 4.45	<b>22</b> 0115 4.76		
0807 1.99	0732 1.65		
WE 1401 4.13	TH 1325 4.32		
2023 1.84	1951 1.54		
<b>8</b> 0248 4.19	<b>23</b> 0218 4.58		
0912 2.34	0843 1.93		
TH 1500 3.71	FR 1434 3.91		
● 2123 2.12	● 2102 1.77		
<b>9</b> 0415 4.03	<b>24</b> 0354 4.49		
1051 2.47	1026 2.03		
FR 1647 3.49	SA 1635 3.72		
● 2250 2.23	2244 1.82		
<b>10</b> 0553 4.14	<b>25</b> 0537 4.71		
1229 2.31	1212 1.79		
SA 1823 3.61	SU 1818 3.95		
	● 2350 2.23		
<b>11</b> 0014 2.09	<b>26</b> 0017 1.58		
0658 4.41	0648 5.11		
SU 1330 2.01	MO 1323 1.37		
1920 3.86	1923 4.33		
<b>12</b> 0114 1.82	<b>27</b> 0126 1.22		
0743 4.69	0744 5.49		
MO 1411 1.72	TU 1417 0.98		
2001 4.11	2015 4.71		
<b>13</b> 0158 1.54	<b>28</b> 0220 0.88		
0820 4.94	0831 5.77		
TU 1445 1.48	WE 1502 0.69		
2037 4.32	2100 5.01		
<b>14</b> 0236 1.31	<b>29</b> 0307 0.66		
0853 5.11	0915 5.90		
WE 1517 1.31	TH 1542 0.53		
2109 4.48	2143 5.22		
<b>15</b> 0310 1.15	<b>30</b> 0350 0.58		
0923 5.22	0955 5.87		
TH 1546 1.19	FR 1618 0.51		
2140 4.61	2222 5.33		
	<b>31</b> 0430 0.64		
	1032 5.70		
	SA 1651 0.60		
	○ 2259 5.34		

## APRIL

Time	m	Time	m
<b>1</b> 0507 0.81	<b>16</b> 0434 0.98		
1107 5.42	1030 5.14		
SU 1723 0.77	MO 1649 0.79		
2332 5.25	● 2257 5.27		
<b>2</b> 0544 1.06	<b>17</b> 0513 0.99		
1141 5.07	1105 5.02		
MO 1752 1.02	TU 1723 0.81		
	2335 5.33		
<b>3</b> 0606 5.09	<b>18</b> 0553 1.08		
0619 1.37	1145 4.82		
TU 1213 4.68	WE 1800 0.92		
1822 1.30			
<b>4</b> 0640 4.87	<b>19</b> 0017 5.28		
0657 1.71	0639 1.24		
WE 1246 4.27	TH 1228 4.54		
1853 1.61	1844 1.12		
<b>5</b> 0117 4.60	<b>20</b> 0106 5.12		
0741 2.04	0732 1.48		
TH 1324 3.88	FR 1318 4.17		
1930 1.93	1935 1.39		
<b>6</b> 0203 4.32	<b>21</b> 0207 4.90		
0842 2.31	0843 1.72		
FR 1418 3.54	SA 1430 3.81		
2025 2.21	2044 1.68		
<b>7</b> 0317 4.10	<b>22</b> 0334 4.73		
1014 2.41	1019 1.78		
SA 1600 3.35	SU 1627 3.67		
2153 2.37	2219 1.82		
<b>8</b> 0459 4.11	<b>23</b> 0513 4.82		
1145 2.25	1152 1.56		
SU 1746 3.49	MO 1806 3.94		
● 2328 2.26	● 2355 1.67		
<b>9</b> 0612 4.33	<b>24</b> 0625 5.09		
1246 1.96	1300 1.22		
MO 1846 3.78	TU 1909 4.35		
<b>10</b> 0035 2.00	<b>25</b> 0106 1.38		
0700 4.60	0720 5.35		
TU 1330 1.66	WE 1351 0.90		
1930 4.09	1959 4.74		
<b>11</b> 0125 1.71	<b>26</b> 0201 1.11		
0740 4.85	0807 5.50		
WE 1407 1.40	TH 1433 0.70		
2006 4.37	2042 5.04		
<b>12</b> 0206 1.45	<b>27</b> 0249 0.95		
0815 5.03	0849 5.50		
TH 1441 1.18	FR 1511 0.62		
2040 4.61	2122 5.23		
<b>13</b> 0245 1.26	<b>28</b> 0331 0.92		
0848 5.15	0928 5.36		
FR 1513 1.02	SA 1545 0.65		
2114 4.81	2200 5.32		
<b>14</b> 0321 1.12	<b>29</b> 0412 1.00		
0921 5.20	1004 5.13		
SA 1545 0.90	SU 1617 0.78		
2146 5.00	2234 5.30		
<b>15</b> 0358 1.03	<b>30</b> 0449 1.15		
0955 5.20	1040 4.84		
SU 1616 0.82	MO 1647 0.96		
2221 5.16	○ 2308 5.21		

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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

Caution: Predictions are of secondary quality



# PENRITH ISLAND – QUEENSLAND

LAT 21° 0' LONG 149° 54'

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>	0112 4.21	<b>16</b>	0246 3.57	<b>1</b>	0153 3.70	<b>16</b>	0351 3.13	<b>1</b>	0530 3.61	<b>16</b>	0548 3.47	<b>1</b>	0617 4.13	<b>16</b>	0549 3.67
	0745 1.53		0903 1.88		0818 1.62		0935 2.20		1113 1.64		1124 2.10		1206 1.54		1130 2.19
SA	1404 4.08	SU	1553 4.02	MO	1505 4.30	TU	1644 4.03	TH	1752 4.89	FR	1754 4.32	SA	1822 4.99	SU	1750 4.22
	2016 1.90		2235 2.19		2143 1.91		2336 2.01		☉		☉				
<b>2</b>	0213 3.85	<b>17</b>	0430 3.31	<b>2</b>	0337 3.44	<b>17</b>	0539 3.29	<b>2</b>	0029 1.12	<b>17</b>	0029 1.50	<b>2</b>	0050 0.80	<b>17</b>	0025 1.43
	0852 1.67		1026 2.04		0952 1.74		1111 2.14		0640 4.06		0639 3.81		0711 4.56		0643 4.06
SU	1535 4.05	MO	1730 4.07	TU	1655 4.44	WE	1757 4.22	FR	1232 1.34	SA	1226 1.89	SU	1311 1.33	MO	1241 1.96
	2152 2.04	☉		☉	2333 1.71	☉			1851 5.19		1840 4.50		1914 5.04		1843 4.35
<b>3</b>	0358 3.60	<b>18</b>	0012 2.05	<b>3</b>	0542 3.60	<b>18</b>	0034 1.73	<b>3</b>	0122 0.75	<b>18</b>	0109 1.23	<b>3</b>	0136 0.63	<b>18</b>	0110 1.16
	1026 1.67		0610 3.41		1136 1.56		0637 3.60		0732 4.53		0719 4.16		0757 4.92		0728 4.48
MO	1719 4.30	TU	1152 1.96	WE	1815 4.82	TH	1219 1.89	SA	1332 1.02	SU	1316 1.65	MO	1405 1.18	TU	1337 1.68
	☉ 2345 1.86		1839 4.29		1845 4.47				1939 5.41		1920 4.65		1959 4.99		1930 4.48
<b>4</b>	0549 3.72	<b>19</b>	0114 1.78	<b>4</b>	0050 1.29	<b>19</b>	0115 1.44	<b>4</b>	0207 0.46	<b>19</b>	0146 1.00	<b>4</b>	0216 0.56	<b>19</b>	0152 0.91
	1158 1.43		0708 3.67		0653 4.01		0718 3.92		0816 4.92		0757 4.48		0838 5.16		0809 4.87
TU	1832 4.75	WE	1255 1.72	TH	1251 1.19	FR	1308 1.61	SU	1423 0.80	MO	1401 1.43	TU	1453 1.12	WE	1427 1.39
			1925 4.55		1913 5.25		1924 4.69		2023 5.47		1958 4.74		2040 4.83		2013 4.58
<b>5</b>	0104 1.45	<b>20</b>	0155 1.51	<b>5</b>	0146 0.85	<b>20</b>	0150 1.19	<b>5</b>	0246 0.32	<b>20</b>	0221 0.81	<b>5</b>	0254 0.61	<b>20</b>	0232 0.68
	0700 4.04		0749 3.93		0746 4.45		0753 4.21		0858 5.20		0832 4.77		0918 5.27		0849 5.22
WE	1306 1.05	TH	1342 1.45	FR	1349 0.81	SA	1349 1.38	MO	1508 0.71	TU	1444 1.25	WE	1538 1.15	TH	1512 1.13
	1930 5.22		2003 4.77		2002 5.58		1959 4.85		2103 5.36		2034 4.77		2120 4.60		2056 4.65
<b>6</b>	0202 1.01	<b>21</b>	0230 1.28	<b>6</b>	0232 0.50	<b>21</b>	0223 1.00	<b>6</b>	0322 0.31	<b>21</b>	0256 0.68	<b>6</b>	0329 0.72	<b>21</b>	0313 0.50
	0756 4.38		0825 4.14		0833 4.82		0827 4.44		0937 5.34		0908 5.02		0956 5.27		0930 5.51
TH	1403 0.68	FR	1420 1.24	SA	1439 0.53	SU	1428 1.21	TU	1551 0.75	WE	1524 1.10	TH	1619 1.24	FR	1556 0.93
	2020 5.61		2036 4.92		2046 5.77		2030 4.92		2142 5.13		2112 4.76		2200 4.35		2138 4.67
<b>7</b>	0253 0.64	<b>22</b>	0300 1.12	<b>7</b>	0315 0.27	<b>22</b>	0254 0.86	<b>7</b>	0357 0.43	<b>22</b>	0330 0.58	<b>7</b>	0403 0.88	<b>22</b>	0352 0.39
	0845 4.69		0857 4.31		0916 5.10		0859 4.63		1015 5.36		0945 5.23		1032 5.19		1011 5.71
FR	1453 0.38	SA	1455 1.09	SU	1525 0.39	MO	1503 1.10	WE	1631 0.90	TH	1604 1.00	FR	1700 1.37	SA	1638 0.81
	2107 5.87		2106 5.00		2129 5.78		2102 4.93		2219 4.82		2149 4.71	☉	2237 4.10		2221 4.64
<b>8</b>	0338 0.37	<b>23</b>	0330 1.02	<b>8</b>	0353 0.19	<b>23</b>	0324 0.78	<b>8</b>	0430 0.63	<b>23</b>	0406 0.53	<b>8</b>	0436 1.06	<b>23</b>	0432 0.34
	0931 4.92		0927 4.42		0958 5.27		0930 4.79		1051 5.28		1022 5.38		1108 5.07		1053 5.81
SA	1540 0.21	SU	1527 1.01	MO	1607 0.39	TU	1539 1.04	TH	1711 1.11	FR	1645 0.94	SA	1738 1.51	SU	1722 0.77
	2151 5.99		2134 5.01		2208 5.63		2133 4.89	☉	2256 4.48	☉	2229 4.61		2315 3.90	☉	2305 4.55
<b>9</b>	0419 0.23	<b>24</b>	0358 0.98	<b>9</b>	0429 0.24	<b>24</b>	0354 0.74	<b>9</b>	0500 0.87	<b>24</b>	0443 0.53	<b>9</b>	0508 1.23	<b>24</b>	0515 0.39
	1016 5.07		0955 4.50		1037 5.33		1001 4.92		1126 5.11		1101 5.46		1143 4.92		1137 5.81
SU	1624 0.17	MO	1558 0.99	TU	1647 0.53	WE	1615 1.02	FR	1749 1.36	SA	1726 0.95	SU	1815 1.65	MO	1808 0.80
	2233 5.95		2201 4.98	☉	2245 5.36		2206 4.81		2331 4.13		2309 4.46		2350 3.72		2350 4.41
<b>10</b>	0459 0.21	<b>25</b>	0424 0.96	<b>10</b>	0502 0.42	<b>25</b>	0425 0.73	<b>10</b>	0531 1.15	<b>25</b>	0521 0.61	<b>10</b>	0540 1.40	<b>25</b>	0558 0.55
	1059 5.14		1023 4.57		1114 5.27		1035 5.02		1201 4.90		1143 5.45		1216 4.76		1222 5.70
MO	1706 0.28	TU	1629 1.02	WE	1727 0.78	TH	1651 1.03	SA	1830 1.61	SU	1811 1.04	MO	1854 1.77	TU	1858 0.91
	☉ 2313 5.76	☉	2229 4.91		2321 4.98	☉	2240 4.69				2353 4.26				
<b>11</b>	0536 0.32	<b>26</b>	0451 0.96	<b>11</b>	0534 0.67	<b>26</b>	0457 0.75	<b>11</b>	0008 3.81	<b>26</b>	0603 0.77	<b>11</b>	0026 3.56	<b>26</b>	0040 4.22
	1139 5.11		1052 4.63		1150 5.12		1111 5.08		0603 1.42		1230 5.34		0613 1.57		0645 0.81
TU	1746 0.51	WE	1700 1.07	TH	1806 1.10	FR	1730 1.09	SU	1239 4.65	MO	1902 1.19	TU	1251 4.59	WE	1313 5.48
	2351 5.44		2258 4.80		2357 4.56		2316 4.52		1915 1.84				1936 1.88		1953 1.05
<b>12</b>	0612 0.53	<b>27</b>	0519 0.99	<b>12</b>	0606 0.99	<b>27</b>	0532 0.83	<b>12</b>	0047 3.52	<b>27</b>	0043 3.99	<b>12</b>	0106 3.43	<b>27</b>	0138 4.02
	1217 4.99		1125 4.67		1227 4.88		1150 5.07		0639 1.70		0651 1.03		0649 1.75		0739 1.14
WE	1827 0.85	TH	1735 1.17	FR	1846 1.45	SA	1813 1.21	MO	1321 4.40	TU	1323 5.13	WE	1330 4.42	TH	1411 5.20
			2330 4.64				2358 4.28		2012 2.02		2005 1.35		2027 1.96		2057 1.16
<b>13</b>	0028 5.02	<b>28</b>	0551 1.06	<b>13</b>	0033 4.12	<b>28</b>	0612 0.99	<b>13</b>	0138 3.27	<b>28</b>	0145 3.71	<b>13</b>	0156 3.31	<b>28</b>	0251 3.88
	0646 0.83		1201 4.66		0639 1.34		1235 4.96		0725 1.96		0749 1.34		0733 1.96		0845 1.49
TH	1258 4.78	FR	1815 1.32	SA	1306 4.59	SU	1902 1.40	TU	1417 4.19	WE	1431 4.91	TH	1420 4.26	FR	1520 4.92
	1909 1.26				1934 1.80				2124 2.08		2124 1.42		2128 1.97		2205 1.20
<b>14</b>	0106 4.53	<b>29</b>	0008 4.40	<b>14</b>	0114 3.69	<b>29</b>	0045 3.96	<b>14</b>	0255 3.13	<b>29</b>	0315 3.54	<b>14</b>	0308 3.26	<b>29</b>	0422 3.93
	0724 1.19		0629 1.19		0717 1.70		0659 1.23		0831 2.16		0907 1.61		0836 2.16		1006 1.73
FR	1340 4.51	SA	1245 4.58	SU	1353 4.29	MO	1330 4.77	WE	1536 4.08	TH	1600 4.80	FR	1529 4.14	SA	1638 4.73
	1958 1.67		1904 1.54		2037 2.07		2007 1.61		2241 1.98		2247 1.30		2233 1.87	☉	2312 1.16
<b>15</b>	0148 4.02	<b>30</b>	0053 4.07	<b>15</b>	0209 3.32	<b>30</b>	0146 3.62	<b>15</b>	0437 3.20	<b>30</b>	0505 3.72	<b>15</b>	0437 3.37	<b>30</b>	0543 4.18
	0806 1.55		0715 1.39		0811 2.01		0800 1.51		1002 2.23		1043 1.68		1002 2.26		1132 1.79
SA	1433 4.22	SU	1343 4.43	MO	1505 4.05	TU	1447 4.59	TH	1656 4.15	FR	1721 4.87	SA	1645 4.13	SU	1748 4.63
	2101 2.03		2008 1.78		2208 2.17		2137 1.70		2342 1.76	☉	2356 1.06	☉	2333 1.68		
				<b>31</b>	0328 3.40									<b>31</b>	0011 1.08
					0928 1.71										0645 4.51
					WE 1631 4.61										MO 1248 1.71
					2316 1.50										1846 4.55

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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

Caution: Predictions are of secondary quality