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# CLUMP POINT – QUEENSLAND

LAT 17° 51' S LONG 146° 6' E

Times and Heights of High and Low Waters

# 2019

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> 0017 0.74  |   | <b>16</b> 0603 2.44 |   | <b>1</b> 0115 0.77  |   | <b>16</b> 0022 0.76 |   | <b>1</b> 0027 1.05  |   | <b>16</b> 0601 2.95 |   | <b>1</b> 0102 1.07  |   | <b>16</b> 0035 0.77 |   |
| 0647 2.71           |   | 1148 1.56           |   | 0755 3.02           |   | 0658 3.13           |   | 0708 2.95           |   | 1229 1.30           |   | 0727 2.98           |   | 0655 3.37           |   |
| TU 1247 1.28        |   | WE 1729 2.38        |   | FR 1408 1.27        |   | SA 1313 1.21        |   | FR 1329 1.27        |   | SA 1801 2.36        |   | MO 1345 1.10        |   | TU 1317 0.73        |   |
| 1825 2.55           |   |                     |   | 1935 2.41           |   | 1850 2.56           |   | 1854 2.35           |   |                     |   | 1932 2.54           |   | 1916 2.87           |   |
| <b>2</b> 0052 0.66  |   | <b>17</b> 0003 0.86 |   | <b>2</b> 0144 0.73  |   | <b>17</b> 0104 0.53 |   | <b>2</b> 0059 0.96  |   | <b>17</b> 0007 0.87 |   | <b>2</b> 0128 1.01  |   | <b>17</b> 0118 0.65 |   |
| 0727 2.87           |   | 0636 2.71           |   | 0824 3.07           |   | 0738 3.40           |   | 0735 3.03           |   | 0640 3.22           |   | 0750 2.99           |   | 0733 3.44           |   |
| WE 1332 1.26        |   | TH 1233 1.41        |   | SA 1436 1.25        |   | SU 1353 1.01        |   | SA 1351 1.21        |   | SU 1302 1.07        |   | TU 1405 1.06        |   | WE 1351 0.59        |   |
| 1904 2.50           |   | 1812 2.46           |   | 2006 2.42           |   | 1935 2.73           |   | 1925 2.44           |   | 1845 2.60           |   | 1957 2.62           |   | 1956 3.06           |   |
| <b>3</b> 0123 0.61  |   | <b>18</b> 0037 0.65 |   | <b>3</b> 0211 0.72  |   | <b>18</b> 0146 0.34 |   | <b>3</b> 0128 0.89  |   | <b>18</b> 0051 0.63 |   | <b>3</b> 0151 0.99  |   | <b>18</b> 0158 0.62 |   |
| 0802 2.97           |   | 0711 2.99           |   | 0851 3.07           |   | 0818 3.60           |   | 0800 3.07           |   | 0718 3.46           |   | 0812 2.98           |   | 0810 3.40           |   |
| TH 1411 1.25        |   | FR 1317 1.25        |   | SU 1503 1.26        |   | MO 1432 0.87        |   | SU 1414 1.18        |   | MO 1337 0.87        |   | WE 1424 1.04        |   | TH 1424 0.52        |   |
| 1939 2.43           |   | 1855 2.55           |   | 2034 2.42           |   | 2018 2.86           |   | 1952 2.51           |   | 1927 2.83           |   | 2021 2.69           |   | 2036 3.16           |   |
| <b>4</b> 0153 0.60  |   | <b>19</b> 0115 0.46 |   | <b>4</b> 0236 0.73  |   | <b>19</b> 0227 0.24 |   | <b>4</b> 0154 0.85  |   | <b>19</b> 0132 0.45 |   | <b>4</b> 0214 0.99  |   | <b>19</b> 0239 0.70 |   |
| 0836 3.02           |   | 0751 3.25           |   | 0917 3.04           |   | 0859 3.70           |   | 0824 3.08           |   | 0757 3.61           |   | 0831 2.94           |   | 0846 3.26           |   |
| FR 1447 1.27        |   | SA 1401 1.11        |   | MO 1528 1.29        |   | TU 1512 0.80        |   | MO 1436 1.17        |   | TU 1413 0.72        |   | TH 1442 1.01        |   | FR 1458 0.53        |   |
| 2013 2.37           |   | 1940 2.63           |   | 2100 2.40           |   | 2102 2.93           |   | 2018 2.56           |   | 2008 3.01           |   | 2045 2.74           |   | ○ 2117 3.17         |   |
| <b>5</b> 0221 0.62  |   | <b>20</b> 0156 0.30 |   | <b>5</b> 0259 0.77  |   | <b>20</b> 0309 0.25 |   | <b>5</b> 0217 0.84  |   | <b>20</b> 0213 0.37 |   | <b>5</b> 0237 1.02  |   | <b>20</b> 0320 0.88 |   |
| 0907 3.01           |   | 0834 3.45           |   | 0941 2.98           |   | 0940 3.67           |   | 0847 3.06           |   | 0836 3.65           |   | 0851 2.89           |   | 0922 3.02           |   |
| SA 1520 1.31        |   | SU 1446 1.01        |   | TU 1552 1.34        |   | WE 1552 0.80        |   | TU 1457 1.18        |   | WE 1448 0.64        |   | FR 1501 0.99        |   | SA 1532 0.62        |   |
| 2043 2.29           |   | 2025 2.68           |   | ● 2124 2.37         |   | ○ 2146 2.90         |   | 2042 2.58           |   | 2049 3.11           |   | ● 2111 2.77         |   | 2159 3.08           |   |
| <b>6</b> 0248 0.67  |   | <b>21</b> 0238 0.22 |   | <b>6</b> 0320 0.84  |   | <b>21</b> 0351 0.40 |   | <b>6</b> 0239 0.86  |   | <b>21</b> 0253 0.42 |   | <b>6</b> 0304 1.09  |   | <b>21</b> 0404 1.13 |   |
| 0938 2.96           |   | 0917 3.56           |   | 1004 2.90           |   | 1021 3.50           |   | 0908 3.01           |   | 0914 3.56           |   | 0912 2.80           |   | 0959 2.71           |   |
| SU 1552 1.37        |   | MO 1531 0.96        |   | WE 1614 1.40        |   | TH 1634 0.88        |   | WE 1517 1.19        |   | TH 1524 0.64        |   | SA 1524 0.98        |   | SU 1607 0.77        |   |
| ● 2113 2.21         |   | ○ 2112 2.67         |   | 2147 2.32           |   | 2232 2.79           |   | 2105 2.59           |   | ○ 2131 3.10         |   | 2141 2.77           |   | 2244 2.92           |   |
| <b>7</b> 0313 0.75  |   | <b>22</b> 0321 0.24 |   | <b>7</b> 0343 0.94  |   | <b>22</b> 0435 0.68 |   | <b>7</b> 0300 0.91  |   | <b>22</b> 0334 0.60 |   | <b>7</b> 0333 1.21  |   | <b>22</b> 0455 1.42 |   |
| 1007 2.88           |   | 1002 3.56           |   | 1026 2.80           |   | 1103 3.23           |   | 0928 2.95           |   | 0951 3.35           |   | 0937 2.68           |   | 1037 2.37           |   |
| MO 1625 1.44        |   | TU 1617 0.98        |   | TH 1638 1.45        |   | FR 1718 1.02        |   | TH 1536 1.21        |   | FR 1602 0.72        |   | SU 1549 1.01        |   | MO 1644 0.99        |   |
| 2140 2.13           |   | 2159 2.61           |   | 2215 2.25           |   | 2322 2.61           |   | ● 2129 2.58         |   | 2213 3.00           |   | 2216 2.72           |   | 2336 2.72           |   |
| <b>8</b> 0336 0.85  |   | <b>23</b> 0406 0.37 |   | <b>8</b> 0408 1.08  |   | <b>23</b> 0524 1.05 |   | <b>8</b> 0323 0.99  |   | <b>23</b> 0417 0.89 |   | <b>8</b> 0408 1.37  |   | <b>23</b> 0607 1.68 |   |
| 1036 2.78           |   | 1048 3.45           |   | 1050 2.69           |   | 1148 2.88           |   | 0948 2.86           |   | 1030 3.03           |   | 1004 2.51           |   | 1120 2.05           |   |
| TU 1657 1.52        |   | WE 1706 1.06        |   | FR 1708 1.51        |   | SA 1809 1.20        |   | FR 1558 1.24        |   | SA 1640 0.88        |   | MO 1618 1.07        |   | TU 1724 1.22        |   |
| 2206 2.04           |   | 2249 2.49           |   | 2248 2.16           |   |                     |   | 2157 2.54           |   | 2300 2.82           |   | 2256 2.63           |   |                     |   |
| <b>9</b> 0359 0.97  |   | <b>24</b> 0455 0.61 |   | <b>9</b> 0436 1.25  |   | <b>24</b> 0023 2.40 |   | <b>9</b> 0349 1.12  |   | <b>24</b> 0505 1.25 |   | <b>9</b> 0450 1.56  |   | <b>24</b> 0055 2.53 |   |
| 1105 2.66           |   | 1136 3.24           |   | 1117 2.56           |   | 0626 1.45           |   | 1011 2.74           |   | 1110 2.65           |   | 1034 2.30           |   | 0938 1.69           |   |
| WE 1734 1.60        |   | TH 1801 1.17        |   | SA 1744 1.56        |   | SU 1243 2.51        |   | SA 1623 1.27        |   | SU 1722 1.09        |   | TU 1652 1.18        |   | WE 1223 1.78        |   |
| 2236 1.94           |   | 2346 2.32           |   | 2331 2.06           |   | 1919 1.36           |   | 2229 2.47           |   | 2356 2.59           |   | 2350 2.51           |   | 1816 1.44           |   |
| <b>10</b> 0426 1.12 |   | <b>25</b> 0548 0.93 |   | <b>10</b> 0508 1.46 |   | <b>25</b> 0213 2.26 |   | <b>10</b> 0418 1.30 |   | <b>25</b> 0608 1.62 |   | <b>10</b> 0551 1.77 |   | <b>25</b> 0315 2.49 |   |
| 1136 2.54           |   | 1231 2.97           |   | 1149 2.41           |   | 0837 1.74           |   | 1035 2.59           |   | 1155 2.27           |   | 1110 2.07           |   | 1110 1.52           |   |
| TH 1825 1.66        |   | FR 1909 1.26        |   | SU 1836 1.60        |   | MO 1410 2.20        |   | SU 1651 1.32        |   | MO 1812 1.32        |   | WE 1739 1.33        |   | TH 1542 1.72        |   |
| 2315 1.84           |   |                     |   |                     |   | 2124 1.40           |   | 2308 2.37           |   |                     |   |                     |   | 2042 1.57           |   |
| <b>11</b> 0457 1.29 |   | <b>26</b> 0058 2.17 |   | <b>11</b> 0037 1.96 |   | <b>26</b> 0454 2.42 |   | <b>11</b> 0453 1.51 |   | <b>26</b> 0132 2.41 |   | <b>11</b> 0125 2.43 |   | <b>26</b> 0433 2.57 |   |
| 1215 2.43           |   | 0655 1.28           |   | 0552 1.68           |   | 1117 1.67           |   | 1103 2.41           |   | 0931 1.79           |   | 0958 1.80           |   | 1151 1.37           |   |
| FR 2116 1.64        |   | SA 1336 2.69        |   | MO 1231 2.25        |   | TU 1619 2.11        |   | MO 1727 1.40        |   | TU 1309 1.95        |   | TH 1229 1.85        |   | FR 1710 1.87        |   |
|                     |   | 2046 1.29           |   | 2037 1.58           |   | ● 2255 1.30         |   |                     |   | 1944 1.51           |   | 1923 1.46           |   | 2221 1.53           |   |
| <b>12</b> 0019 1.74 |   | <b>27</b> 0253 2.13 |   | <b>12</b> 0338 2.00 |   | <b>27</b> 0600 2.65 |   | <b>12</b> 0002 2.26 |   | <b>27</b> 0418 2.48 |   | <b>12</b> 0345 2.55 |   | <b>27</b> 0521 2.65 |   |
| 0536 1.48           |   | 0841 1.55           |   | 0757 1.88           |   | 1225 1.49           |   | 0541 1.74           |   | 1132 1.60           |   | 1111 1.58           |   | 1214 1.25           |   |
| SA 1309 2.32        |   | SU 1502 2.48        |   | TU 1404 2.12        |   | WE 1734 2.17        |   | TU 1135 2.21        |   | WE 1615 1.89        |   | FR 1557 1.87        |   | SA 1748 2.04        |   |
| 2216 1.53           |   | 2218 1.20           |   | 2212 1.44           |   | 2348 1.16           |   | 1818 1.49           |   | 2208 1.49           |   | 2147 1.38           |   | ● 2317 1.43         |   |
| <b>13</b> 0313 1.74 |   | <b>28</b> 0501 2.32 |   | <b>13</b> 0503 2.24 |   | <b>28</b> 0638 2.83 |   | <b>13</b> 0150 2.19 |   | <b>28</b> 0528 2.65 |   | <b>13</b> 0449 2.77 |   | <b>28</b> 0555 2.72 |   |
| 0652 1.67           |   | 1047 1.59           |   | 1053 1.81           |   | 1302 1.36           |   | 0801 1.94           |   | 1220 1.42           |   | 1143 1.35           |   | 1233 1.17           |   |
| SU 1441 2.26        |   | MO 1628 2.38        |   | WE 1611 2.12        |   | TH 1819 2.26        |   | WE 1231 2.00        |   | TH 1732 2.02        |   | SA 1707 2.10        |   | SU 1817 2.20        |   |
| 2249 1.39           |   | ● 2320 1.07         |   | ● 2259 1.24         |   |                     |   | 2034 1.52           |   | ● 2316 1.38         |   | ● 2257 1.18         |   | 2358 1.33           |   |
| <b>14</b> 0454 1.94 |   | <b>29</b> 0609 2.57 |   | <b>14</b> 0544 2.52 |   | <b>29</b> 0544 2.52 |   | <b>14</b> 0425 2.38 |   | <b>29</b> 0607 2.79 |   | <b>14</b> 0536 3.01 |   | <b>29</b> 0624 2.78 |   |
| 0933 1.75           |   | 1207 1.49           |   | 1151 1.63           |   | 1207 1.49           |   | 1119 1.76           |   | 1246 1.29           |   | 1213 1.13           |   | 1252 1.09           |   |
| MO 1557 2.26        |   | TU 1733 2.36        |   | TH 1714 2.23        |   |                     |   | TH 1558 1.96        |   | FR 1810 2.17        |   | SU 1753 2.36        |   | MO 1843 2.35        |   |
| ● 2313 1.24         |   |                     |   | 2341 1.01           |   |                     |   | ● 2223 1.36         |   |                     |   | 2349 0.96           |   |                     |   |
| <b>15</b> 0534 2.18 |   | <b>30</b> 0005 0.94 |   | <b>15</b> 0620 2.83 |   | <b>30</b> 0000 1.26 |   | <b>15</b> 0520 2.66 |   | <b>30</b> 0637 2.88 |   | <b>15</b> 0617 3.22 |   | <b>30</b> 0030 1.25 |   |
| 1056 1.68           |   | 0651 2.78           |   | 1233 1.42           |   | 0637 2.88           |   | 1158 1.53           |   | 1306 1.20           |   | 1245 0.91           |   | 0649 2.81           |   |
| TU 1647 2.31        |   | WE 1259 1.39        |   | FR 1804 2.38        |   | 1306 1.20           |   | FR 1712 2.13        |   | SA 1840 2.31        |   | MO 1836 2.63        |   | TU 1312 1.03        |   |
| 2335 1.07           |   | 1821 2.37           |   |                     |   |                     |   | 2320 1.13           |   |                     |   |                     |   | 1909 2.49           |   |
|                     |   | <b>31</b> 0043 0.84 |   |                     |   |                     |   | <b>31</b> 0033 1.15 |   |                     |   |                     |   |                     |   |
|                     |   | 0725 2.93           |   |                     |   |                     |   | 0703 2.94           |   |                     |   |                     |   |                     |   |
|                     |   | TH 1337 1.31        |   |                     |   |                     |   | SU 1325 1.14        |   |                     |   |                     |   |                     |   |
|                     |   | 1901 2.39           |   |                     |   |                     |   | 1906 2.43           |   |                     |   |                     |   |                     |   |

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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



# CLUMP POINT – QUEENSLAND

LAT 17° 51' S LONG 146° 6' E

Times and Heights of High and Low Waters

# 2019

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>  | 0410 0.64 | <b>16</b> | 0343 1.05 | <b>1</b>  | 0416 0.59    | <b>16</b> | 0326 0.86 | <b>1</b>  | 0510 0.97 | <b>16</b> | 0406 0.87 | <b>1</b>  | 0527 1.15 | <b>16</b> | 0502 0.88    |
|           | 1009 2.65 |           | 0945 2.29 |           | 1039 2.71    |           | 0957 2.47 |           | 1240 2.49 |           | 1122 2.57 |           | 1327 2.50 |           | 1221 2.80    |
| SU        | 1613 0.46 | MO        | 1536 1.03 | TU        | 1645 1.00    | WE        | 1550 1.29 | FR        | 2110 1.48 | SA        | 1750 1.60 | SU        | 2157 1.40 | MO        | 1932 1.46    |
|           | 2239 3.11 |           | 2154 2.47 |           | 2248 2.52    |           | 2138 2.23 |           | 2242 1.30 |           | 2237 1.79 |           | 2237 1.79 |           |              |
| <b>2</b>  | 0454 0.74 | <b>17</b> | 0405 1.09 | <b>2</b>  | 0500 0.79    | <b>17</b> | 0351 0.92 | <b>2</b>  | 0014 1.63 | <b>17</b> | 0454 1.04 | <b>2</b>  | 0123 1.56 | <b>17</b> | 0013 1.80    |
|           | 1100 2.51 |           | 1016 2.22 |           | 1137 2.51    |           | 1037 2.39 |           | 0616 1.22 |           | 1242 2.49 |           | 0636 1.36 |           | 0612 1.08    |
| MO        | 1702 0.80 | TU        | 1604 1.20 | WE        | 1751 1.36    | TH        | 1630 1.46 | SA        | 1450 2.45 | SU        | 2122 1.54 | MO        | 1458 2.45 | TU        | 1337 2.74    |
|           | 2323 2.78 |           | 2215 2.31 |           | 2336 2.12    |           | 2203 2.04 |           | 2242 1.30 |           | 2242 1.30 |           | 2251 1.28 |           | 2113 1.33    |
| <b>3</b>  | 0543 0.89 | <b>18</b> | 0431 1.15 | <b>3</b>  | 0553 1.02    | <b>18</b> | 0421 1.03 | <b>3</b>  | 0327 1.57 | <b>18</b> | 0007 1.61 | <b>3</b>  | 0359 1.64 | <b>18</b> | 0204 1.79    |
|           | 1200 2.34 |           | 1055 2.13 |           | 1310 2.34    |           | 1127 2.29 |           | 0827 1.35 |           | 0619 1.21 |           | 0834 1.48 |           | 0746 1.23    |
| TU        | 1802 1.18 | WE        | 1637 1.40 | TH        | 2058 1.53    | FR        | 1727 1.65 | SU        | 1610 2.52 | MO        | 1433 2.53 | TU        | 1604 2.46 | WE        | 1454 2.73    |
|           |           |           | 2238 2.14 |           |              |           | 2228 1.84 |           | 2329 1.14 |           | 2224 1.34 |           | 2324 1.17 |           | 2215 1.16    |
| <b>4</b>  | 0014 2.40 | <b>19</b> | 0501 1.22 | <b>4</b>  | 0050 1.78    | <b>19</b> | 0500 1.17 | <b>4</b>  | 0458 1.75 | <b>19</b> | 0309 1.65 | <b>4</b>  | 0507 1.83 | <b>19</b> | 0350 1.96    |
|           | 0646 1.05 |           | 1146 2.03 |           | 0723 1.22    |           | 1256 2.21 |           | 1002 1.31 |           | 0834 1.25 |           | 1002 1.48 |           | 0922 1.28    |
| WE        | 1332 2.20 | TH        | 1722 1.61 | FR        | 1543 2.40    | SA        |           | MO        | 1701 2.59 | TU        | 1545 2.66 | WE        | 1651 2.49 | TH        | 1559 2.75    |
|           | 1952 1.49 |           | 2301 1.95 |           | 2300 1.34    |           |           | ○         | 2358 1.03 |           | 2300 1.13 | ○         | 2348 1.07 | ○         | 2300 0.97    |
| <b>5</b>  | 0130 2.06 | <b>20</b> | 0544 1.31 | <b>5</b>  | 0352 1.70    | <b>20</b> | 0625 1.31 | <b>5</b>  | 0536 1.93 | <b>20</b> | 0428 1.89 | <b>5</b>  | 0543 2.01 | <b>20</b> | 0501 2.22    |
|           | 0834 1.14 |           | 1332 1.98 |           | 0938 1.22    |           | 1533 2.33 |           | 1101 1.23 |           | 0958 1.16 |           | 1102 1.43 |           | 1041 1.26    |
| TH        | 1604 2.29 | FR        |           | SA        | 1658 2.56    | SU        | 2317 1.41 | TU        | 1739 2.64 | WE        | 1637 2.80 | TH        | 1727 2.51 | FR        | 1654 2.77    |
|           | 2243 1.45 |           |           |           | 2355 1.15    |           |           |           |           | ○         | 2329 0.92 |           |           |           | 2339 0.78    |
| <b>6</b>  | 0343 1.91 | <b>21</b> | 0744 1.37 | <b>6</b>  | 0513 1.84    | <b>21</b> | 0400 1.61 | <b>6</b>  | 0019 0.94 | <b>21</b> | 0517 2.16 | <b>6</b>  | 0010 0.98 | <b>21</b> | 0555 2.49    |
|           | 1016 1.07 |           | 1621 2.16 |           | 1051 1.12    |           | 0923 1.27 |           | 0605 2.10 |           | 1058 1.02 |           | 0613 2.19 |           | 1145 1.20    |
| FR        | 1726 2.52 | SA        | 2347 1.56 | SU        | 1744 2.68    | MO        | 1630 2.54 | WE        | 1143 1.16 | TH        | 1722 2.93 | FR        | 1146 1.38 | SA        | 1742 2.76    |
| ○         |           |           |           | ○         |              | ○         | 2336 1.20 |           | 1809 2.67 |           |           |           | 1756 2.52 |           |              |
| <b>7</b>  | 0002 1.26 | <b>22</b> | 0402 1.66 | <b>7</b>  | 0027 1.01    | <b>22</b> | 0454 1.84 | <b>7</b>  | 0040 0.88 | <b>22</b> | 0000 0.72 | <b>7</b>  | 0031 0.89 | <b>22</b> | 0016 0.62    |
|           | 0510 1.95 |           | 1004 1.23 |           | 0553 2.00    |           | 1030 1.08 |           | 0631 2.25 |           | 0559 2.44 |           | 0640 2.35 |           | 0640 2.75    |
| SA        | 1118 0.95 | SU        | 1707 2.41 | MO        | 1139 1.01    | TU        | 1713 2.76 | TH        | 1217 1.10 | FR        | 1151 0.91 | SA        | 1221 1.34 | SU        | 1240 1.15    |
|           | 1814 2.71 | ○         |           |           | 1817 2.76    |           | 2356 0.99 |           | 1835 2.68 |           | 1802 3.00 |           | 1821 2.51 |           | 1826 2.72    |
| <b>8</b>  | 0045 1.11 | <b>23</b> | 0000 1.36 | <b>8</b>  | 0050 0.93    | <b>23</b> | 0532 2.11 | <b>8</b>  | 0100 0.82 | <b>23</b> | 0032 0.54 | <b>8</b>  | 0050 0.82 | <b>23</b> | 0052 0.50    |
|           | 0601 2.05 |           | 0501 1.83 |           | 0624 2.15    |           | 1121 0.86 |           | 0658 2.38 |           | 0641 2.70 |           | 0706 2.50 |           | 0723 2.96    |
| SU        | 1204 0.83 | MO        | 1057 1.02 | TU        | 1215 0.92    | WE        | 1751 2.97 | FR        | 1246 1.07 | SA        | 1238 0.84 | SU        | 1252 1.31 | MO        | 1329 1.12    |
|           | 1848 2.83 |           | 1743 2.67 |           | 1846 2.81    |           |           |           | 1859 2.67 |           | 1842 3.01 |           | 1844 2.49 |           | 1908 2.65    |
| <b>9</b>  | 0115 1.01 | <b>24</b> | 0018 1.15 | <b>9</b>  | 0111 0.88    | <b>24</b> | 0023 0.78 | <b>9</b>  | 0120 0.78 | <b>24</b> | 0105 0.40 | <b>9</b>  | 0108 0.74 | <b>24</b> | 0127 0.42    |
|           | 0638 2.15 |           | 0542 2.05 |           | 0652 2.27    |           | 0610 2.38 |           | 0723 2.49 |           | 0722 2.91 |           | 0732 2.64 |           | 0805 3.10    |
| MO        | 1240 0.75 | TU        | 1141 0.78 | WE        | 1246 0.86    | TH        | 1206 0.67 | SA        | 1313 1.06 | SU        | 1323 0.83 | MO        | 1322 1.29 | TU        | 1415 1.12    |
|           | 1918 2.89 |           | 1818 2.93 |           | 1912 2.82    |           | 1828 3.14 |           | 1921 2.64 |           | 1921 2.94 |           | 1907 2.46 |           | 1948 2.56    |
| <b>10</b> | 0139 0.96 | <b>25</b> | 0044 0.94 | <b>10</b> | 0131 0.85    | <b>25</b> | 0053 0.58 | <b>10</b> | 0138 0.74 | <b>25</b> | 0138 0.31 | <b>10</b> | 0128 0.66 | <b>25</b> | 0202 0.40    |
|           | 0711 2.24 |           | 0621 2.29 |           | 0718 2.37    |           | 0650 2.64 |           | 0749 2.58 |           | 0804 3.06 |           | 0758 2.78 |           | 0845 3.17    |
| TU        | 1311 0.70 | WE        | 1224 0.54 | TH        | 1313 0.83    | FR        | 1249 0.54 | SU        | 1339 1.08 | MO        | 1408 0.88 | TU        | 1353 1.27 | WE        | 1458 1.16    |
|           | 1946 2.91 |           | 1854 3.16 |           | 1937 2.81    |           | 1906 3.24 |           | 1939 2.58 |           | 1958 2.81 |           | 1932 2.43 |           | 2027 2.45    |
| <b>11</b> | 0203 0.94 | <b>26</b> | 0116 0.73 | <b>11</b> | 0151 0.83    | <b>26</b> | 0125 0.42 | <b>11</b> | 0155 0.70 | <b>26</b> | 0212 0.30 | <b>11</b> | 0151 0.58 | <b>26</b> | 0236 0.43    |
|           | 0739 2.31 |           | 0702 2.53 |           | 0744 2.44    |           | 0730 2.85 |           | 0813 2.66 |           | 0846 3.12 |           | 0828 2.89 |           | 0924 3.16    |
| WE        | 1340 0.67 | TH        | 1305 0.36 | FR        | 1339 0.84    | SA        | 1330 0.49 | MO        | 1405 1.11 | TU        | 1453 0.99 | WE        | 1427 1.26 | TH        | 1541 1.22    |
|           | 2011 2.90 |           | 1932 3.34 |           | 1958 2.77    |           | 1943 3.23 |           | 1959 2.52 |           | 2037 2.61 |           | 2002 2.38 | ●         | 2106 2.32    |
| <b>12</b> | 0224 0.94 | <b>27</b> | 0149 0.56 | <b>12</b> | 0211 0.83    | <b>27</b> | 0158 0.32 | <b>12</b> | 0213 0.66 | <b>27</b> | 0246 0.36 | <b>12</b> | 0218 0.53 | <b>27</b> | 0312 0.53    |
|           | 0807 2.35 |           | 0742 2.73 |           | 0809 2.49    |           | 0810 3.00 |           | 0841 2.71 |           | 0928 3.09 |           | 0902 2.96 |           | 1004 3.08    |
| TH        | 1406 0.68 | FR        | 1346 0.25 | SA        | 1401 0.87    | SU        | 1413 0.54 | TU        | 1434 1.16 | WE        | 1541 1.14 | TH        | 1507 1.28 | FR        | 1625 1.32    |
|           | 2036 2.86 |           | 2010 3.41 |           | 2018 2.70    |           | 2020 3.12 | ○         | 2022 2.43 | ●         | 2116 2.38 | ○         | 2036 2.31 |           | 2145 2.18    |
| <b>13</b> | 0246 0.96 | <b>28</b> | 0224 0.44 | <b>13</b> | 0229 0.83    | <b>28</b> | 0232 0.29 | <b>13</b> | 0235 0.65 | <b>28</b> | 0323 0.49 | <b>13</b> | 0250 0.53 | <b>28</b> | 0346 0.68    |
|           | 0832 2.37 |           | 0824 2.87 |           | 0833 2.52    |           | 0853 3.05 |           | 0911 2.74 |           | 1014 2.98 |           | 0941 2.99 |           | 1044 2.95    |
| FR        | 1428 0.73 | SA        | 1427 0.26 | SU        | 1424 0.93    | MO        | 1457 0.70 | WE        | 1507 1.24 | TH        | 1635 1.31 | FR        | 1551 1.32 | SA        | 1712 1.42    |
|           | 2058 2.79 |           | 2048 3.36 |           | 2036 2.62    | ●         | 2058 2.90 |           | 2048 2.32 |           | 2157 2.12 |           | 2114 2.21 |           | 2223 2.03    |
| <b>14</b> | 0306 0.99 | <b>29</b> | 0300 0.41 | <b>14</b> | 0245 0.82    | <b>29</b> | 0307 0.35 | <b>14</b> | 0300 0.67 | <b>29</b> | 0401 0.68 | <b>14</b> | 0326 0.59 | <b>29</b> | 0420 0.86    |
|           | 0856 2.36 |           | 0906 2.91 |           | 0858 2.53    |           | 0936 3.00 |           | 0947 2.73 |           | 1104 2.82 |           | 1026 2.96 |           | 1125 2.78    |
| SA        | 1449 0.80 | SU        | 1510 0.41 | MO        | 1448 1.02    | TU        | 1543 0.93 | TH        | 1547 1.35 | FR        | 1744 1.47 | SA        | 1643 1.39 | SU        | 1809 1.53    |
| ○         | 2117 2.70 | ●         | 2127 3.18 | ○         | 2054 2.52    | ○         | 2137 2.60 |           | 2117 2.17 |           | 2243 1.88 |           | 2159 2.08 |           | 2304 1.88    |
| <b>15</b> | 0324 1.02 | <b>30</b> | 0337 0.46 | <b>15</b> | 0304 0.83    | <b>30</b> | 0345 0.50 | <b>15</b> | 0330 0.74 | <b>30</b> | 0442 0.91 | <b>15</b> | 0409 0.71 | <b>30</b> | 0451 1.06    |
|           | 0919 2.33 |           | 0951 2.85 |           | 0925 2.52    |           | 1024 2.86 |           | 1029 2.66 |           | 1204 2.64 |           | 1118 2.89 |           | 1210 2.61    |
| SU        | 1511 0.90 | MO        | 1554 0.67 | TU        | 1517 1.14    | WE        | 1637 1.21 | FR        | 1636 1.48 | SA        | 2013 1.51 | SU        | 1750 1.46 | MO        | 1954 1.58    |
|           | 2135 2.59 |           | 2206 2.89 |           | 2115 2.39    |           | 2218 2.26 |           | 2152 1.99 |           | 2340 1.67 |           | 2255 1.93 |           | 2352 1.75    |
|           |           |           |           | <b>31</b> | 0425 0.72    |           |           |           |           |           |           |           |           | <b>31</b> | 0523 1.27    |
|           |           |           |           |           | 1120 2.67    |           |           |           |           |           |           |           |           |           | 1304 2.45    |
|           |           |           |           |           | TH 1751 1.46 |           |           |           |           |           |           |           |           |           | TU 2141 1.52 |
|           |           |           |           |           | 2305 1.92    |           |           |           |           |           |           |           |           |           |              |

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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