



## NOAA Tide Predictions

**Astoria, OR, 2024**

The NOAA Tide Predictions application provides predictions in both graphical and tabular formats, with many user selected options, for over 3000 stations broken down by key areas in each state. Users can also access stations via the Google map interface. Additional information can be found in the help page.

**Station Types:** The NOAA Tide Predictions application provides predictions from 2 distinct categories of stations at over 3000 locations:

**Harmonic** - The predicted height values for Harmonic stations are conducted by combining the harmonic constituents into a single tide curve.

**Subordinate** - The high and low height values for Subordinate stations are obtained by means and differences, and ratios applied to the full harmonic constant predictions at a specific Harmonic station (a Reference station).

**Disclaimer:** The official Tide prediction tables are published annually on October 1, for the following calendar year. Tide predictions generated prior to the publishing date of the official tables are subject to change. The predictions from the web based NOAA Tidal Predictions are based upon the latest information available as of the date of your request. Tide predictions generated may differ from the official published predictions if information for the station requested has been updated since the publishing date of the official published tables.



Times and Heights of High and Low Waters

| January            |          |                    |          | February           |          |                    |         | March              |          |                    |          |         |
|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|---------|--------------------|----------|--------------------|----------|---------|
| Time               | Height   | Time               | Height   | Time               | Height   | Time               | Height  | Time               | Height   | Time               | Height   |         |
| h m                | ft cm    | h m                | ft cm    | h m                | ft cm    | h m                | ft cm   | h m                | ft cm    | h m                | ft cm    |         |
| <b>1</b> 05:05 AM  | 7.8 238  | <b>16</b> 05:06 AM | 9.0 274  | <b>1</b> 05:03 AM  | 8.5 259  | <b>16</b> 05:48 AM | 9.2 280 | <b>1</b> 04:05 AM  | 8.8 268  | <b>16</b> 12:00 AM | 3.0 91   |         |
| 10:44 AM           | 3.4 104  | 11:13 AM           | 1.9 58   | 11:40 AM           | 2.2 67   | 01:00 PM           | 0.9 27  | 10:56 AM           | 1.2 37   | 06:06 AM           | 8.8 268  |         |
| M 04:13 PM         | 7.5 229  | Tu 05:00 PM        | 8.0 244  | Th 05:38 PM        | 6.3 192  | F 07:15 PM         | 6.4 195 | F 05:18 PM         | 6.3 192  | Sa 01:30 PM        | 0.6 18   |         |
| 10:52 PM           | 1.1 34   | 11:16 PM           | 0.7 21   | 11:09 PM           | 2.6 79   | 0                  |         | 10:30 PM           | 2.9 88   | 08:02 PM           | 6.4 195  |         |
| <b>2</b> 05:39 AM  | 7.9 241  | <b>17</b> 05:49 AM | 9.1 277  | <b>2</b> 05:36 AM  | 8.5 259  | <b>17</b> 12:22 AM | 3.3 101 | <b>2</b> 04:40 AM  | 8.8 268  | <b>17</b> 12:59 AM | 3.7 113  |         |
| 11:36 AM           | 3.2 98   | 12:18 PM           | 1.7 52   | 12:40 PM           | 2.0 61   | 06:41 AM           | 8.8 268 | 11:49 AM           | 1.3 40   | 07:02 AM           | 8.2 250  |         |
| Tu 05:07 PM        | 6.8 207  | W 06:09 PM         | 7.2 219  | F 06:55 PM         | 5.8 177  | Sa 02:16 PM        | 0.9 27  | Sa 06:30 PM        | 5.9 180  | Su 02:45 PM        | 0.9 27   |         |
| 11:26 PM           | 1.7 52   |                    |          | 11:53 PM           | 3.3 101  | 08:40 PM           | 6.3 192 | 11:14 PM           | 3.6 110  | 0                  | 09:21 PM | 6.3 192 |
| <b>3</b> 06:14 AM  | 8.0 244  | <b>18</b> 12:02 AM | 1.7 52   | <b>3</b> 06:20 AM  | 8.6 262  | <b>18</b> 01:34 AM | 4.0 122 | <b>3</b> 05:26 AM  | 8.6 262  | <b>18</b> 02:18 AM | 4.1 125  |         |
| 12:36 PM           | 3.0 91   | 06:35 AM           | 9.2 280  | 01:53 PM           | 1.8 55   | 07:45 AM           | 8.5 259 | 01:03 PM           | 1.3 40   | 01:43 AM           | 7.7 235  |         |
| W 06:14 PM         | 6.2 189  | Th 01:29 PM        | 1.4 43   | Sa 08:27 PM        | 5.7 174  | Su 03:31 PM        | 0.8 24  | Su 08:00 PM        | 5.7 174  | M 04:01 PM         | 0.9 27   |         |
|                    |          | 07:27 PM           | 6.6 201  |                    |          | 10:00 PM           | 6.6 201 | 0                  |          | 10:36 PM           | 6.6 201  |         |
| <b>4</b> 12:07 AM  | 2.3 70   | <b>19</b> 12:57 AM | 2.6 79   | <b>4</b> 12:56 AM  | 4.0 122  | <b>19</b> 02:55 AM | 4.2 128 | <b>4</b> 12:19 AM  | 4.2 128  | <b>19</b> 03:43 AM | 4.1 125  |         |
| 06:52 AM           | 8.2 250  | 07:27 AM           | 9.2 280  | 07:15 AM           | 8.7 265  | 08:56 AM           | 8.4 256 | 06:28 AM           | 8.5 259  | 10:34 AM           | 7.5 225  |         |
| Th 01:43 PM        | 2.6 79   | F 02:42 PM         | 1.0 30   | Su 03:09 PM        | 1.3 40   | M 04:35 PM         | 0.5 15  | M 02:29 PM         | 1.1 34   | Tu 05:05 PM        | 0.7 21   |         |
| 07:35 PM           | 5.9 180  | 08:51 PM           | 6.4 195  | 08:51 PM           | 6.4 195  | 11:03 PM           | 7.0 213 | 09:26 PM           | 6.0 183  | 11:34 PM           | 7.0 213  |         |
| <b>5</b> 12:58 AM  | 3.0 91   | <b>20</b> 02:02 AM | 3.4 104  | <b>5</b> 02:19 AM  | 4.5 137  | <b>20</b> 04:07 AM | 4.1 125 | <b>5</b> 01:54 AM  | 4.5 137  | <b>20</b> 04:55 AM | 3.6 110  |         |
| 07:35 AM           | 8.4 256  | 08:22 AM           | 9.2 280  | 08:20 AM           | 8.8 268  | 10:03 AM           | 8.4 256 | 07:47 AM           | 8.4 256  | 10:46 AM           | 7.6 232  |         |
| F 02:49 PM         | 2.0 61   | Sa 03:51 PM        | 0.6 18   | M 04:15 PM         | 0.7 21   | Tu 05:28 PM        | 0.2 6   | Tu 03:44 PM        | 0.6 18   | W 05:56 PM         | 0.5 15   |         |
| 09:01 PM           | 5.9 180  | 10:11 PM           | 6.7 204  | 11:00 PM           | 6.6 201  | 11:52 PM           | 7.4 226 | 10:31 PM           | 6.5 198  |                    |          |         |
| <b>6</b> 01:59 AM  | 3.6 110  | <b>21</b> 03:11 AM | 3.9 119  | <b>6</b> 03:38 AM  | 4.5 137  | <b>21</b> 05:07 AM | 3.7 113 | <b>6</b> 03:23 AM  | 4.2 128  | <b>21</b> 12:19 AM | 7.4 226  |         |
| 08:21 AM           | 8.7 265  | 09:20 AM           | 9.2 280  | 09:29 AM           | 9.1 277  | 11:00 AM           | 8.5 259 | 09:09 AM           | 8.6 262  | 05:52 AM           | 3.0 91   |         |
| Sa 03:50 PM        | 1.3 40   | Su 04:52 PM        | 0.2 6    | Tu 05:12 PM        | 0.0 0    | W 06:11 PM         | -0.1 -3 | W 04:44 PM         | 0.0 0    | Th 11:45 AM        | 7.8 238  |         |
| 10:17 PM           | 6.3 192  | 11:17 PM           | 7.1 216  | 11:52 PM           | 7.1 216  |                    |         | 11:21 PM           | 7.1 216  | Th 06:37 PM        | 0.3 9    |         |
| <b>7</b> 03:04 AM  | 4.0 122  | <b>22</b> 04:16 AM | 4.1 125  | <b>7</b> 04:46 AM  | 4.2 128  | <b>22</b> 12:32 AM | 7.8 238 | <b>7</b> 04:32 AM  | 3.5 107  | <b>22</b> 12:56 AM | 7.7 235  |         |
| 09:10 AM           | 9.0 274  | 10:17 AM           | 9.2 280  | 10:33 AM           | 9.5 290  | 05:58 AM           | 3.2 98  | 10:20 AM           | 9.0 274  | 06:40 AM           | 2.4 73   |         |
| Su 04:44 PM        | 0.6 18   | M 05:45 PM         | -0.2 -6  | W 06:03 PM         | -0.6 -18 | Th 11:48 AM        | 8.6 262 | Th 05:34 PM        | -0.6 -18 | F 12:33 PM         | 7.9 241  |         |
| 11:19 PM           | 6.8 207  |                    |          |                    |          | 06:49 PM           | -0.2 -6 |                    |          | F 07:12 PM         | 0.3 9    |         |
| <b>8</b> 04:06 AM  | 4.2 128  | <b>23</b> 12:11 AM | 7.5 229  | <b>8</b> 12:37 AM  | 7.6 232  | <b>23</b> 01:08 AM | 8.0 244 | <b>8</b> 12:02 AM  | 7.7 235  | <b>23</b> 01:28 AM | 8.0 244  |         |
| 10:01 AM           | 9.4 287  | 05:16 AM           | 4.0 122  | 05:45 AM           | 3.6 110  | 06:42 AM           | 2.8 85  | 05:31 AM           | 2.6 79   | 07:22 AM           | 1.8 55   |         |
| M 05:35 PM         | 0.0 0    | Tu 11:09 AM        | 9.3 283  | Th 11:31 AM        | 9.9 302  | F 12:30 PM         | 8.6 262 | F 11:22 AM         | 9.3 283  | Sa 01:16 PM        | 7.9 241  |         |
|                    |          | 06:31 PM           | -0.4 -12 | 06:49 PM           | -1.1 -34 | 07:21 PM           | -0.1 -3 | 06:19 PM           | -0.9 -27 | 07:43 PM           | 0.4 12   |         |
| <b>9</b> 12:13 AM  | 7.2 219  | <b>24</b> 12:56 AM | 7.8 238  | <b>9</b> 01:17 AM  | 8.0 244  | <b>24</b> 01:39 AM | 8.1 247 | <b>9</b> 12:40 AM  | 8.3 253  | <b>24</b> 01:56 AM | 8.2 250  |         |
| 05:04 AM           | 4.3 131  | 06:09 AM           | 3.9 119  | 06:39 AM           | 3.0 91   | 07:22 AM           | 2.3 70  | 06:25 AM           | 1.7 52   | 08:01 AM           | 1.3 40   |         |
| Tu 10:52 AM        | 9.7 296  | W 11:56 AM         | 9.3 283  | F 12:26 PM         | 10.1 308 | Sa 01:09 PM        | 8.5 259 | Sa 12:18 PM        | 9.5 290  | Su 01:56 PM        | 7.9 241  |         |
| 06:23 PM           | -0.6 -18 | 07:13 PM           | -0.4 -12 | 07:31 PM           | -1.4 -43 | 07:50 PM           | 0.0 0   | 07:01 PM           | -1.0 -30 | 08:12 PM           | 0.6 18   |         |
| <b>10</b> 01:00 AM | 7.6 232  | <b>25</b> 01:37 AM | 8.0 244  | <b>10</b> 01:55 AM | 8.4 256  | <b>25</b> 02:08 AM | 8.2 250 | <b>10</b> 01:17 AM | 8.8 268  | <b>25</b> 02:21 AM | 8.4 256  |         |
| 05:59 AM           | 4.1 125  | 06:56 AM           | 3.6 110  | 07:30 AM           | 2.3 70   | 08:00 AM           | 2.0 61  | 08:16 AM           | 0.8 24   | 08:37 AM           | 0.8 24   |         |
| W 11:42 AM         | 10.1 308 | Th 12:39 PM        | 9.2 280  | Sa 01:17 PM        | 10.1 308 | Su 01:47 PM        | 8.3 253 | Su 02:10 PM        | 9.5 290  | M 02:35 PM         | 7.8 238  |         |
| 07:09 PM           | -1.0 -30 | 07:49 PM           | -0.4 -12 | 08:11 PM           | -1.3 -40 | 08:17 PM           | 0.3 9   | 08:40 PM           | -0.7 -21 | 08:39 PM           | 1.0 30   |         |
| <b>11</b> 01:44 AM | 7.9 241  | <b>26</b> 02:14 AM | 8.1 247  | <b>11</b> 02:32 AM | 8.8 268  | <b>26</b> 02:33 AM | 8.3 253 | <b>11</b> 02:52 AM | 9.2 280  | <b>26</b> 02:44 AM | 8.5 259  |         |
| 06:51 AM           | 3.8 116  | 07:39 AM           | 3.3 101  | 08:20 AM           | 1.6 49   | 08:35 AM           | 1.6 49  | 09:05 AM           | 0.1 3    | 09:11 AM           | 0.5 15   |         |
| Th 12:32 PM        | 10.3 314 | F 01:20 PM         | 9.0 274  | Su 02:09 PM        | 9.8 299  | M 02:23 PM         | 8.0 244 | M 03:02 PM         | 9.2 280  | Tu 03:13 PM        | 7.6 232  |         |
| 07:53 PM           | -1.3 -40 | 08:22 PM           | -0.3 -9  | 08:49 PM           | -1.0 -30 | 08:42 PM           | 0.6 18  | 09:18 PM           | -0.3 -9  | Tu 03:06 PM        | 1.4 43   |         |
| <b>12</b> 02:25 AM | 8.2 250  | <b>27</b> 02:47 AM | 8.1 247  | <b>12</b> 03:08 AM | 9.2 280  | <b>27</b> 02:55 AM | 8.4 256 | <b>12</b> 03:28 AM | 9.6 293  | <b>27</b> 03:06 AM | 8.7 265  |         |
| 07:42 AM           | 3.4 104  | 08:19 AM           | 3.1 94   | 09:09 AM           | 1.1 34   | 09:08 AM           | 1.4 43  | 09:53 AM           | -0.3 -9  | 09:43 AM           | 0.3 9    |         |
| F 01:22 PM         | 10.3 314 | Sa 11:58 PM        | 8.8 268  | M 03:00 PM         | 9.3 283  | Tu 03:00 PM        | 7.7 235 | Tu 03:54 PM        | 8.7 265  | W 03:52 PM         | 7.4 226  |         |
| 08:35 PM           | -1.4 -43 | 08:51 PM           | 0.0 0    | 09:26 PM           | -0.4 -12 | 09:05 PM           | 1.1 34  | 09:56 PM           | 0.4 12   | 09:33 PM           | 1.9 58   |         |
| <b>13</b> 03:06 AM | 8.4 256  | <b>28</b> 03:17 AM | 8.2 250  | <b>13</b> 03:45 AM | 9.4 287  | <b>28</b> 03:16 AM | 8.6 262 | <b>13</b> 04:03 AM | 9.7 296  | <b>28</b> 03:27 AM | 8.8 268  |         |
| 08:32 AM           | 3.0 91   | 08:57 AM           | 2.8 85   | 10:00 AM           | 0.8 24   | 09:41 AM           | 1.2 37  | 10:41 AM           | -0.4 -12 | 10:15 AM           | 0.2 6    |         |
| Sa 02:12 PM        | 10.1 308 | Su 02:35 PM        | 8.4 256  | Tu 03:54 PM        | 8.5 259  | W 03:40 PM         | 7.3 223 | W 04:48 PM         | 8.1 247  | Th 04:33 PM        | 7.1 216  |         |
| 09:15 PM           | -1.2 -37 | 09:17 PM           | 0.3 9    | 10:04 PM           | 0.4 12   | 09:30 PM           | 1.6 49  | 10:34 PM           | 1.2 37   | Th 10:00 PM        | 2.4 73   |         |
| <b>14</b> 03:45 AM | 8.6 262  | <b>29</b> 03:45 AM | 8.2 250  | <b>14</b> 04:23 AM | 9.5 290  | <b>29</b> 03:38 AM | 8.7 265 | <b>14</b> 04:40 AM | 9.6 293  | <b>29</b> 03:53 AM | 8.9 271  |         |
| 09:23 AM           | 2.5 76   | 09:34 AM           | 2.6 79   | 10:53 AM           | 0.7 21   | 10:15 AM           | 1.2 37  | 11:31 AM           | -0.3 -9  | 10:48 AM           | 0.2 6    |         |
| Su 03:04 PM        | 9.6 293  | M 03:13 PM         | 8.0 244  | W 04:52 PM         | 7.7 235  | Th 04:24 PM        | 6.8 207 | Th 05:45 PM        | 7.4 226  | F 05:18 PM         | 6.7 204  |         |
| 09:55 PM           | -0.8 -24 | 09:42 PM           | 0.7 21   | 10:43 PM           | 1.3 40   | 09:57 PM           | 2.2 67  | 11:14 PM           | 2.1 64   | 10:31 PM           | 2.9 88   |         |
| <b>15</b> 04:25 AM | 8.8 268  | <b>30</b> 04:10 AM | 8.3 253  | <b>15</b> 05:03 AM | 9.4 287  | <b>15</b> 05:20 AM | 9.3 283 | <b>15</b> 05:20 AM | 9.3 283  | <b>30</b> 04:24 AM | 9.0 274  |         |
| 10:16 AM           | 2.2 67   | 10:11 AM           | 2.4 73   | 11:52 AM           | 0.8 24   | 12:26 PM           | 0.1 3   | 12:26 PM           | 0.1 3    | 11:28 AM           | 0.4 12   |         |
| M 04:00 PM         | 8.9 271  | Tu 03:53 PM        | 7.4 226  | Th 05:58 PM        | 6.9 210  | F 06:49 PM         | 6.8 207 | 06:49 PM           | 6.8 207  | Sa 06:12 PM        | 6.4 195  |         |
| 10:34 PM           | -0.2 -6  | 10:07 PM           | 1.2 37   | 11:27 PM           | 2.3 70   |                    |         |                    |          | 11:08 PM           | 3.4 104  |         |
|                    |          | <b>31</b> 04:35 AM | 8.4 256  |                    |          |                    |         |                    |          | <b>31</b> 05:03 AM | 8.8 268  |         |
|                    |          | 10:52 AM           | 2.3 70   |                    |          |                    |         |                    |          | 12:20 PM           | 0.6 18   |         |
|                    |          | W 04:40 PM         | 6.9 210  |                    |          |                    |         |                    |          | Su 07:20 PM        | 6.0 183  |         |
|                    |          | 10:35 PM           | 1.8 55   |                    |          |                    |         |                    |          | 11:57 PM           | 3.9 119  |         |



**Astoria, OR, 2024**  
 (46 12.4N / 123 46.1W)

Times and Heights of High and Low Waters

| April              |          |                    |          | May                |          |                    |          | June               |          |                    |          |
|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|
| Time               | Height   | Time               | Height   | Time               | Height   | Time               | Height   | Time               | Height   | Time               | Height   |
| h m                | ft cm    | h m                | ft cm    | h m                | ft cm    | h m                | ft cm    | h m                | ft cm    | h m                | ft cm    |
| <b>1</b> 05:54 AM  | 8.5 259  | <b>16</b> 02:03 AM | 4.0 122  | <b>1</b> 01:17 AM  | 3.8 116  | <b>16</b> 02:51 AM | 3.3 101  | <b>1</b> 03:43 AM  | 1.6 49   | <b>16</b> 04:13 AM | 1.6 49   |
| 01:31 PM           | 0.8 24   | 07:43 AM           | 7.1 216  | 06:53 AM           | 7.9 241  | 08:26 AM           | 6.3 192  | 09:30 AM           | 6.8 207  | 10:12 AM           | 5.6 171  |
| M 08:39 PM         | 6.0 183  | Tu 03:17 PM        | 1.0 30   | W 02:21 PM         | 0.3 9    | Th 03:14 PM        | 1.3 40   | Sa 03:39 PM        | 1.0 30   | Su 03:41 PM        | 2.4 73   |
|                    |          | 09:56 PM           | 6.8 207  | 09:14 PM           | 6.8 207  | 09:53 PM           | 7.2 219  | 10:08 PM           | 8.5 259  | 10:06 PM           | 7.9 241  |
| <b>2</b> 01:11 AM  | 4.2 128  | <b>17</b> 03:23 AM | 3.7 113  | <b>2</b> 02:42 AM  | 3.4 104  | <b>17</b> 03:58 AM | 2.6 79   | <b>2</b> 04:47 AM  | 0.6 18   | <b>17</b> 05:07 AM | 0.9 27   |
| 07:03 AM           | 8.2 250  | 09:05 AM           | 6.8 207  | 08:18 AM           | 7.5 229  | 09:41 AM           | 6.2 189  | 10:46 AM           | 6.8 207  | 11:19 AM           | 5.8 177  |
| Tu 02:54 PM        | 0.7 21   | W 04:18 PM         | 1.0 30   | Th 03:26 PM        | 0.3 9    | F 04:03 PM         | 1.5 46   | Su 04:33 PM        | 1.4 43   | M 04:32 PM         | 2.8 85   |
| 09:53 PM           | 6.2 189  | 10:49 PM           | 7.1 216  | 10:07 PM           | 7.3 223  | 10:34 PM           | 7.6 232  | 10:53 PM           | 9.1 277  | 10:44 PM           | 8.2 250  |
| <b>3</b> 02:48 AM  | 4.1 125  | <b>18</b> 04:32 AM | 3.1 94   | <b>3</b> 03:59 AM  | 2.5 76   | <b>18</b> 04:55 AM | 1.9 58   | <b>3</b> 05:46 AM  | -0.3 -9  | <b>18</b> 05:56 AM | 0.3 -9   |
| 08:29 AM           | 8.0 244  | 10:19 AM           | 6.8 207  | 09:42 AM           | 7.4 226  | 10:48 AM           | 6.2 189  | 11:53 AM           | 6.9 210  | 12:19 AM           | 6.2 189  |
| W 04:08 PM         | 0.4 12   | Th 05:07 PM        | 0.9 27   | F 04:24 PM         | 0.4 12   | Sa 04:47 PM        | 1.7 52   | M 05:25 PM         | 1.9 58   | Tu 05:21 PM        | 3.1 94   |
| 10:52 PM           | 6.7 204  | 11:32 PM           | 7.5 229  | 10:54 PM           | 8.0 244  | 11:11 PM           | 7.9 241  | 11:37 PM           | 9.4 287  | 11:23 PM           | 8.5 259  |
| <b>4</b> 04:11 AM  | 3.4 104  | <b>19</b> 05:28 AM | 2.3 70   | <b>4</b> 05:04 AM  | 1.4 43   | <b>19</b> 05:43 AM | 1.1 34   | <b>4</b> 06:40 AM  | -1.0 -30 | <b>19</b> 06:42 AM | -0.3 -9  |
| 09:55 AM           | 8.0 244  | 11:20 AM           | 7.0 213  | 10:56 AM           | 7.5 229  | 11:46 AM           | 6.4 195  | 12:55 PM           | 7.1 216  | 01:11 PM           | 6.5 198  |
| Th 05:07 PM        | 0.0 0    | F 05:47 PM         | 0.9 27   | Sa 05:15 PM        | 0.5 15   | Su 05:28 PM        | 2.0 61   | Tu 06:16 PM        | 2.3 70   | W 06:10 PM         | 3.4 104  |
| 11:39 PM           | 7.4 226  |                    |          | 11:36 PM           | 8.6 262  | 11:43 PM           | 8.2 250  |                    |          |                    |          |
| <b>5</b> 05:19 AM  | 2.5 76   | <b>20</b> 12:08 AM | 7.8 238  | <b>5</b> 06:01 AM  | 0.4 12   | <b>20</b> 06:27 AM | 0.5 15   | <b>5</b> 12:20 AM  | 9.7 296  | <b>20</b> 12:02 AM | 8.8 268  |
| 11:08 AM           | 8.3 253  | 06:15 AM           | 1.6 49   | 12:01 PM           | 7.7 235  | 12:38 PM           | 6.6 201  | 07:31 AM           | -1.4 -43 | 07:26 AM           | -0.7 -21 |
| F 05:57 PM         | -0.2 -6  | Sa 12:12 PM        | 7.1 216  | Su 06:02 PM        | 0.8 24   | M 06:08 PM         | 2.3 70   | W 01:51 PM         | 7.3 223  | Th 02:00 PM        | 6.8 207  |
|                    |          | 06:23 PM           | 1.1 34   |                    |          |                    |          | 07:07 PM           | 2.7 82   | 06:59 PM           | 3.5 107  |
| <b>6</b> 12:20 AM  | 8.1 247  | <b>21</b> 12:39 AM | 8.1 247  | <b>6</b> 12:16 AM  | 9.2 280  | <b>21</b> 12:14 AM | 8.5 259  | <b>6</b> 01:03 AM  | 9.7 296  | <b>21</b> 12:42 AM | 9.0 274  |
| 06:16 AM           | 1.4 43   | 06:57 AM           | 0.9 27   | 06:54 AM           | -0.6 -18 | 07:08 AM           | -0.1 -3  | 08:19 AM           | -1.6 -49 | 08:09 AM           | -1.0 -30 |
| Sa 12:11 PM        | 8.6 262  | Su 12:58 PM        | 7.2 219  | M 01:00 PM         | 7.8 238  | Tu 01:26 PM        | 6.8 207  | Th 02:44 PM        | 7.4 226  | F 02:46 PM         | 7.0 213  |
| 06:42 PM           | -0.3 -9  | 06:57 PM           | 1.3 40   | 01:08 PM           | 1.2 37   | 06:47 PM           | 2.6 79   | 07:57 PM           | 3.0 91   | 07:47 PM           | 3.5 107  |
| <b>7</b> 12:58 AM  | 8.7 265  | <b>22</b> 01:06 AM | 8.4 256  | <b>7</b> 12:54 AM  | 9.6 293  | <b>22</b> 12:43 AM | 8.7 265  | <b>7</b> 01:46 AM  | 9.5 290  | <b>22</b> 01:24 AM | 9.2 280  |
| 07:09 AM           | 0.4 12   | 07:36 AM           | 0.4 12   | 07:44 AM           | -1.2 -37 | 07:48 AM           | -0.5 -15 | 09:06 AM           | -1.5 -46 | 08:52 AM           | -1.3 -40 |
| Su 01:08 PM        | 8.7 265  | M 01:41 PM         | 7.3 223  | Tu 01:56 PM        | 7.9 241  | W 02:12 PM         | 7.0 213  | F 03:34 PM         | 7.5 229  | Sa 03:30 PM        | 7.1 216  |
| 07:25 PM           | 0.0 0    | 07:29 PM           | 1.6 49   | 07:33 PM           | 1.7 52   | 07:27 PM           | 3.0 91   | 08:47 PM           | 3.2 98   | 08:34 PM           | 3.4 104  |
| <b>8</b> 01:35 AM  | 9.2 280  | <b>23</b> 01:32 AM | 8.6 262  | <b>8</b> 01:33 AM  | 9.8 299  | <b>23</b> 01:14 AM | 8.9 271  | <b>8</b> 02:30 AM  | 9.3 283  | <b>23</b> 02:09 AM | 9.3 283  |
| 07:59 AM           | -0.4 -12 | 08:12 AM           | 0.0 0    | 08:32 AM           | -1.5 -46 | 08:27 AM           | -0.7 -21 | 09:51 AM           | -1.2 -37 | 09:33 AM           | -1.4 -43 |
| M 02:02 PM         | 8.6 262  | Tu 02:23 PM        | 7.3 223  | W 02:49 PM         | 7.8 238  | Th 02:57 PM        | 7.1 216  | Sa 04:23 PM        | 7.4 226  | Su 04:12 PM        | 7.2 219  |
| 08:06 PM           | 0.4 12   | 08:21 PM           | 2.0 61   | 08:18 PM           | 2.2 67   | 08:06 PM           | 3.3 101  | 09:35 PM           | 3.3 101  | 09:21 PM           | 3.2 98   |
| <b>9</b> 02:11 AM  | 9.6 293  | <b>24</b> 01:56 AM | 8.7 265  | <b>9</b> 02:12 AM  | 9.8 299  | <b>24</b> 01:46 AM | 9.1 277  | <b>9</b> 03:13 AM  | 8.9 271  | <b>24</b> 02:55 AM | 9.2 280  |
| 08:48 AM           | -1.0 -30 | 08:47 AM           | -0.3 -9  | 09:19 AM           | -1.6 -49 | 09:05 AM           | -0.9 -27 | 10:33 AM           | -0.9 -27 | 10:14 AM           | -1.5 -46 |
| Tu 02:55 PM        | 8.4 256  | W 03:05 PM         | 7.3 223  | Th 03:42 PM        | 7.7 235  | F 03:42 PM         | 7.1 216  | Su 05:09 PM        | 7.3 223  | M 04:54 PM         | 7.3 223  |
| 08:47 PM           | 0.9 27   | 08:33 PM           | 2.4 73   | 09:03 PM           | 2.6 79   | 08:47 PM           | 3.5 107  | 10:23 PM           | 3.2 101  | 10:10 PM           | 3.0 91   |
| <b>10</b> 02:47 AM | 9.8 299  | <b>25</b> 02:21 AM | 8.9 271  | <b>10</b> 02:52 AM | 9.6 293  | <b>25</b> 02:22 AM | 9.2 280  | <b>10</b> 03:58 AM | 8.4 256  | <b>25</b> 03:45 AM | 9.0 274  |
| 09:35 AM           | -1.2 -37 | 09:21 AM           | -0.4 -12 | 10:05 AM           | -1.3 -40 | 09:45 AM           | -1.0 -30 | 11:14 AM           | -0.5 -15 | 10:55 AM           | -1.3 -40 |
| W 03:48 PM         | 8.1 247  | Th 03:47 PM        | 7.2 219  | F 04:35 PM         | 7.5 229  | Sa 04:27 PM        | 7.1 216  | M 05:54 PM         | 7.2 219  | Tu 05:35 PM        | 7.4 226  |
| 09:27 PM           | 1.6 49   | 09:06 PM           | 2.8 85   | 09:49 PM           | 3.0 91   | 09:29 PM           | 3.6 110  | 11:12 PM           | 3.3 101  | 11:02 PM           | 2.6 79   |
| <b>11</b> 03:24 AM | 9.8 299  | <b>26</b> 02:48 AM | 9.0 274  | <b>11</b> 03:33 AM | 9.2 280  | <b>26</b> 03:02 AM | 9.2 280  | <b>11</b> 04:44 AM | 7.8 238  | <b>26</b> 04:38 AM | 8.6 262  |
| 10:22 AM           | -1.1 -34 | 09:56 AM           | -0.5 -15 | 10:52 AM           | -0.9 -27 | 10:26 AM           | -1.0 -30 | 11:53 AM           | 0.0 0    | 11:37 AM           | -1.0 -30 |
| Th 04:42 PM        | 7.7 235  | F 04:31 PM         | 7.0 213  | Sa 05:28 PM        | 7.3 223  | Su 05:13 PM        | 7.0 213  | Tu 06:38 PM        | 7.1 216  | W 06:17 PM         | 7.6 232  |
| 10:09 PM           | 2.2 67   | 04:40 PM           | 3.2 98   | 10:37 PM           | 3.4 104  | 10:14 PM           | 3.6 110  |                    |          | 11:59 PM           | 2.3 70   |
| <b>12</b> 04:03 AM | 9.5 290  | <b>27</b> 03:20 AM | 9.1 277  | <b>12</b> 04:17 AM | 8.7 265  | <b>27</b> 03:47 AM | 9.0 274  | <b>12</b> 12:04 AM | 3.2 98   | <b>27</b> 05:37 AM | 7.9 241  |
| 11:10 AM           | -0.8 -24 | 10:33 AM           | -0.4 -12 | 11:39 AM           | -0.4 -12 | 11:10 AM           | -0.9 -27 | 05:35 AM           | 7.2 219  | 12:21 PM           | -0.5 -15 |
| F 05:38 PM         | 7.3 223  | Sa 05:18 PM        | 6.8 207  | Su 06:22 PM        | 7.1 216  | M 06:01 PM         | 7.0 213  | W 12:33 PM         | 0.4 12   | Th 07:00 PM        | 7.9 241  |
| 10:53 PM           | 2.9 88   | 10:17 PM           | 3.5 107  | 11:29 PM           | 3.6 110  | 11:05 PM           | 3.5 107  | 07:21 PM           | 7.1 216  |                    |          |
| <b>13</b> 04:44 AM | 9.0 274  | <b>28</b> 03:58 AM | 9.0 274  | <b>13</b> 05:05 AM | 8.0 244  | <b>28</b> 04:39 AM | 8.7 265  | <b>13</b> 01:03 AM | 3.0 91   | <b>28</b> 01:03 AM | 1.9 58   |
| 12:01 PM           | -0.2 -6  | 11:16 AM           | -0.3 -9  | 12:29 PM           | 0.2 6    | 11:57 AM           | -0.6 -18 | 06:34 AM           | 6.5 198  | 06:44 AM           | 7.2 219  |
| Sa 06:38 PM        | 6.9 210  | Su 06:11 PM        | 6.6 201  | M 07:17 PM         | 6.9 210  | Tu 06:50 PM        | 7.0 213  | Th 01:16 PM        | 0.9 27   | F 01:08 PM         | 0.2 6    |
| 11:43 PM           | 3.5 107  | 11:02 PM           | 3.7 113  |                    |          |                    |          | 08:04 PM           | 7.2 219  | 07:46 PM           | 8.2 250  |
| <b>14</b> 05:31 AM | 8.4 256  | <b>29</b> 04:44 AM | 8.8 268  | <b>14</b> 12:29 AM | 3.7 113  | <b>29</b> 12:04 AM | 3.4 104  | <b>14</b> 02:07 AM | 2.7 82   | <b>29</b> 02:13 AM | 1.4 43   |
| 01:00 PM           | 0.4 12   | 12:08 PM           | 0.0 0    | 06:02 AM           | 7.4 226  | 05:39 AM           | 8.2 250  | 07:43 AM           | 6.0 183  | 08:00 AM           | 6.5 198  |
| Su 07:44 PM        | 6.6 201  | M 07:11 PM         | 6.4 195  | Tu 01:23 PM        | 0.7 21   | W 12:49 PM         | -0.3 -9  | F 02:01 PM         | 1.4 43   | Sa 02:01 PM        | 1.0 30   |
|                    |          |                    |          | 08:12 PM           | 6.9 210  | 07:40 PM           | 7.2 219  | 08:46 PM           | 7.4 226  | 08:34 PM           | 8.5 259  |
| <b>15</b> 12:45 AM | 3.9 119  | <b>30</b> 12:00 AM | 3.9 119  | <b>15</b> 01:38 AM | 3.6 110  | <b>30</b> 01:15 AM | 3.0 91   | <b>15</b> 03:12 AM | 2.2 67   | <b>30</b> 03:24 AM | 0.8 24   |
| 06:29 AM           | 7.7 235  | 05:41 AM           | 8.4 256  | 07:10 AM           | 6.8 207  | 06:49 AM           | 7.6 232  | 08:58 AM           | 5.7 174  | 09:20 AM           | 6.2 189  |
| M 02:08 PM         | 0.8 24   | Tu 01:11 PM        | 0.2 6    | W 02:19 PM         | 1.0 30   | Th 01:45 PM        | 0.1 3    | Sa 02:51 PM        | 1.9 58   | Su 02:58 PM        | 1.7 52   |
| 08:53 PM           | 6.6 201  | 08:13 PM           | 6.5 198  | 09:05 PM           | 7.0 213  | 08:31 PM           | 7.5 229  | 09:26 PM           | 7.6 232  | 09:24 PM           | 8.8 268  |
|                    |          |                    |          |                    |          |                    |          |                    |          |                    |          |
|                    |          |                    |          |                    |          | <b>31</b> 02:31 AM | 2.4 73   |                    |          |                    |          |
|                    |          |                    |          |                    |          | 08:09 AM           | 7.0 213  |                    |          |                    |          |
|                    |          |                    |          |                    |          | 02:43 PM           | 0.5 15   |                    |          |                    |          |
|                    |          |                    |          |                    |          | 09:20 PM           | 8.0 244  |                    |          |                    |          |

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.



StationId: 9439040  
 Source: NOAA/NOS/CO-OPS  
 Station Type: Primary  
 Time Zone: LST\_LDT  
 Datum: MLLW

NOAA Tide Predictions

Astoria, OR, 2024  
 (46 12.4N / 123 46.1W)

Times and Heights of High and Low Waters

| July |  |      |   | August |   |      |  | September |   |      |  |
|------|--|------|---|--------|---|------|--|-----------|---|------|--|
| Time | Height   | Time | Height  | Time   | Height  | Time | Height   | Time      | Height  | Time | Height   |
| 1    | 04:31 AM 0.1 3<br>10:39 AM 6.2 189<br>M 03:58 PM 2.3 70<br>10:16 PM 9.0 274      | 16   | 04:26 AM 0.8 24<br>11:54 AM 5.4 165<br>Tu 03:40 PM 3.4 104<br>09:46 PM 8.0 244    | 1      | 06:18 AM -0.8 -24<br>12:43 PM 6.7 204<br>Th 05:49 PM 3.1 94<br>11:46 PM 8.6 262   | 16   | 05:49 AM -0.3 -9<br>12:30 PM 6.2 189<br>F 05:26 PM 3.4 104<br>11:12 PM 8.3 253   | 1         | 12:31 AM 8.0 244<br>07:27 AM -0.8 -24<br>Su 01:43 PM 7.4 226<br>07:23 PM 1.8 55   | 16   | 06:51 AM -1.1 -34<br>01:12 PM 7.6 232<br>M 07:00 PM 1.0 30                         |
| 2    | 05:32 AM -0.6 -18<br>11:49 AM 6.4 195<br>Tu 04:58 PM 2.8 85<br>11:07 PM 9.2 280  | 17   | 05:24 AM 0.3 9<br>11:59 AM 5.9 180<br>W 04:44 PM 3.6 110<br>10:39 PM 8.3 253      | 2      | 07:08 AM -1.1 -34<br>01:31 PM 7.0 213<br>F 06:45 PM 2.9 88                        | 17   | 06:40 AM -0.9 -27<br>01:13 PM 6.7 204<br>Sa 06:23 PM 2.8 85                      | 2         | 01:15 AM 8.0 244<br>08:01 AM -0.7 -21<br>M 02:16 PM 7.5 229<br>08:04 PM 1.3 40    | 17   | 12:54 AM 8.7 265<br>07:33 AM -1.1 -34<br>Tu 01:47 PM 8.2 250<br>07:50 PM 0.2 6     |
| 3    | 06:28 AM -1.0 -30<br>12:51 PM 6.8 207<br>W 05:57 PM 3.0 91<br>11:57 PM 9.2 280   | 18   | 06:16 AM -0.3 -9<br>12:54 PM 6.3 192<br>Th 05:43 PM 3.6 110<br>11:31 PM 8.6 262   | 3      | 12:38 AM 8.6 262<br>07:53 AM -1.2 -37<br>Sa 02:14 PM 7.2 219<br>07:36 PM 2.6 79   | 18   | 12:10 AM 8.7 265<br>07:25 AM -1.4 -43<br>Su 01:52 PM 7.1 216<br>07:16 PM 2.2 67  | 3         | 01:56 AM 7.9 241<br>08:32 AM -0.5 -15<br>Tu 02:45 PM 7.6 232<br>● 08:42 PM 1.0 30 | 18   | 01:47 AM 8.7 265<br>08:12 AM -0.9 -27<br>W 02:22 PM 8.7 265<br>O 08:38 PM -0.6 -18 |
| 4    | 07:20 AM -1.3 -40<br>01:45 PM 7.0 213<br>Th 06:52 PM 3.1 94                      | 19   | 07:05 AM -0.8 -24<br>11:42 PM 6.7 204<br>F 06:39 PM 3.4 104                       | 4      | 01:24 AM 8.5 259<br>08:32 AM -1.1 -34<br>Su 02:53 PM 7.3 223<br>● 08:21 PM 2.3 70 | 19   | 01:04 AM 9.0 274<br>08:07 AM -1.7 -52<br>M 02:29 PM 7.5 229<br>O 08:06 PM 1.5 46 | 4         | 02:35 AM 7.7 235<br>09:00 AM -0.2 -6<br>W 03:11 PM 7.7 235<br>09:18 PM 0.7 21     | 19   | 02:38 AM 8.6 262<br>08:51 AM -0.5 -15<br>Th 02:57 PM 9.0 274<br>09:25 PM -1.0 -30  |
| 5    | 12:45 AM 9.2 280<br>08:08 AM -1.4 -43<br>F 02:34 PM 7.2 219<br>● 07:45 PM 3.1 94 | 20   | 12:22 AM 8.9 271<br>07:50 AM -1.3 -40<br>Sa 02:25 PM 7.0 213<br>07:31 PM 3.1 94   | 5      | 02:07 AM 8.3 253<br>09:07 AM -1.0 -30<br>M 03:27 PM 7.4 226<br>09:04 PM 2.0 61    | 20   | 01:55 AM 9.1 277<br>08:46 AM -1.7 -52<br>Tu 03:05 PM 7.9 241<br>08:55 PM 0.8 24  | 5         | 03:13 AM 7.4 226<br>09:26 AM 0.3 9<br>Th 03:34 PM 7.8 238<br>09:52 PM 0.5 15      | 20   | 03:30 AM 8.2 250<br>09:29 AM 0.1 3<br>F 03:32 PM 9.2 280<br>10:14 PM -1.2 -37      |
| 6    | 01:32 AM 9.0 274<br>08:52 AM -1.3 -40<br>Sa 03:19 PM 7.3 223<br>08:35 PM 3.0 91  | 21   | 01:13 AM 9.2 280<br>08:33 AM -1.6 -49<br>Su 03:05 PM 7.2 219<br>O 03:01 PM 2.7 82 | 6      | 02:48 AM 8.1 247<br>09:37 AM -0.7 -21<br>Tu 03:59 PM 7.4 226<br>09:43 PM 1.7 52   | 21   | 02:46 AM 8.9 271<br>09:24 AM -1.5 -46<br>W 03:40 PM 8.3 253<br>09:43 PM 0.2 6    | 6         | 03:51 AM 7.0 213<br>09:50 AM 0.8 24<br>F 03:55 PM 7.8 238<br>10:25 PM 0.4 12      | 21   | 04:24 AM 7.7 235<br>10:08 AM 0.9 27<br>Sa 04:10 PM 9.2 280<br>11:03 PM -1.1 -34    |
| 7    | 02:17 AM 8.8 268<br>09:33 AM -1.2 -37<br>Su 04:01 PM 7.4 226<br>09:21 PM 2.9 88  | 22   | 02:02 AM 9.3 283<br>09:14 AM -1.8 -55<br>M 03:44 PM 7.5 229<br>09:10 PM 2.2 67    | 7      | 03:27 AM 7.7 235<br>10:05 AM -0.4 -12<br>W 04:27 PM 7.4 226<br>10:21 PM 1.5 46    | 22   | 03:37 AM 8.5 259<br>10:01 AM -1.0 -30<br>Th 04:15 PM 8.6 262<br>10:33 PM -0.2 -6 | 7         | 04:30 AM 6.6 201<br>10:15 AM 1.3 40<br>Sa 04:17 PM 7.9 241<br>10:58 PM 0.4 12     | 22   | 05:21 AM 7.1 216<br>10:50 AM 1.7 52<br>Su 04:51 PM 9.0 274<br>11:58 PM -0.7 -21    |
| 8    | 03:00 AM 8.5 259<br>10:09 AM -0.9 -27<br>M 04:40 PM 7.3 223<br>10:05 PM 2.7 82   | 23   | 02:52 AM 9.2 280<br>09:53 AM -1.8 -55<br>Tu 04:21 PM 7.7 235<br>09:59 PM 1.7 52   | 8      | 04:06 AM 7.2 219<br>10:31 AM 0.1 3<br>Th 04:53 PM 7.5 229<br>10:58 PM 1.4 43      | 23   | 04:30 AM 7.9 241<br>10:38 AM -0.3 -9<br>F 04:52 PM 8.8 268<br>11:24 PM -0.3 -9   | 8         | 05:14 AM 6.2 189<br>10:43 AM 1.9 58<br>Su 04:43 PM 8.0 244<br>11:36 PM 0.5 15     | 23   | 06:25 AM 6.6 201<br>11:38 AM 2.5 76<br>M 05:38 PM 8.5 259                          |
| 9    | 03:42 AM 8.1 247<br>10:42 AM -0.6 -18<br>Tu 05:15 PM 7.3 223<br>10:48 PM 2.5 76  | 24   | 03:42 AM 8.8 268<br>10:31 AM -1.5 -46<br>W 04:58 PM 8.0 244<br>10:50 PM 1.3 40    | 9      | 04:47 AM 6.7 204<br>10:56 AM 0.6 18<br>F 05:17 PM 7.5 229<br>11:37 PM 1.3 40      | 24   | 05:27 AM 7.2 219<br>11:18 AM 0.6 18<br>Sa 05:32 PM 8.8 268                       | 9         | 06:07 AM 5.8 177<br>11:15 AM 2.6 79<br>M 05:16 PM 7.9 241                         | 24   | 01:01 AM -0.2 -6<br>07:36 AM 6.2 189<br>Tu 12:38 PM 3.2 98<br>● 06:35 PM 7.9 241   |
| 10   | 04:25 AM 7.5 229<br>11:13 AM -0.2 -6<br>W 05:49 PM 7.3 223<br>11:33 PM 2.4 73    | 25   | 04:35 AM 8.3 253<br>11:09 AM -0.9 -27<br>Th 05:36 PM 8.2 250<br>11:44 PM 0.9 27   | 10     | 05:33 AM 6.2 189<br>11:24 AM 1.2 37<br>Sa 05:44 PM 7.6 232                        | 25   | 12:21 AM -0.2 -6<br>06:31 AM 6.5 198<br>Su 12:02 PM 1.6 49<br>06:17 PM 8.6 262   | 10        | 12:25 AM 0.7 21<br>07:15 AM 5.4 165<br>Tu 11:58 AM 3.2 98<br>06:00 PM 7.7 235     | 25   | 02:15 AM 0.2 6<br>08:54 AM 6.1 186<br>W 01:57 PM 3.6 110<br>07:49 PM 7.4 226       |
| 11   | 05:10 AM 7.0 213<br>11:43 AM 0.3 9<br>Th 06:22 PM 7.3 223                        | 26   | 05:33 AM 7.5 229<br>11:49 AM -0.2 -6<br>F 06:16 PM 8.4 256                        | 11     | 12:22 AM 1.2 37<br>06:28 AM 5.6 171<br>Su 11:56 AM 1.9 58<br>06:16 PM 7.6 232     | 26   | 01:26 AM 0.0 0<br>07:45 AM 5.9 180<br>M 12:56 PM 2.5 76<br>● 07:10 PM 8.3 253    | 11        | 01:33 AM 0.9 27<br>08:39 AM 5.2 158<br>W 01:03 PM 3.7 113<br>● 07:00 PM 7.5 229   | 26   | 03:32 AM 0.4 12<br>10:07 AM 6.3 192<br>Th 03:22 PM 3.5 107<br>09:12 PM 7.1 216     |
| 12   | 12:21 AM 2.2 67<br>06:00 AM 6.3 192<br>F 12:15 PM 0.9 27<br>06:55 PM 7.4 226     | 27   | 12:43 AM 0.7 21<br>06:38 AM 6.7 204<br>Sa 12:33 PM 0.7 21<br>07:00 PM 8.5 259     | 12     | 01:17 AM 1.2 37<br>07:39 AM 5.2 158<br>M 12:39 PM 2.7 82<br>● 06:57 PM 7.6 232    | 27   | 02:40 AM 0.1 3<br>09:06 AM 5.8 177<br>Tu 02:07 PM 3.1 94<br>08:15 PM 7.9 241     | 12        | 03:00 AM 0.8 24<br>10:02 AM 5.5 168<br>Th 02:37 PM 3.9 119<br>08:20 PM 7.4 226    | 27   | 04:38 AM 0.2 6<br>11:06 AM 6.8 207<br>F 04:35 PM 3.0 91<br>10:27 PM 7.2 219        |
| 13   | 01:15 AM 2.0 61<br>07:01 AM 5.7 174<br>Sa 12:52 PM 1.6 49<br>● 07:30 PM 7.5 229  | 28   | 01:50 AM 0.5 15<br>07:52 AM 6.1 186<br>Su 01:24 PM 1.7 52<br>● 07:50 PM 8.5 259   | 13     | 02:27 AM 1.1 34<br>09:05 AM 5.1 155<br>Tu 01:39 PM 3.3 101<br>07:50 PM 7.6 232    | 28   | 03:57 AM 0.0 0<br>10:26 AM 6.0 183<br>W 03:28 PM 3.4 104<br>09:28 PM 7.7 235     | 13        | 04:17 AM 0.3 9<br>11:07 AM 5.9 180<br>F 04:04 PM 3.6 110<br>09:44 PM 7.6 232      | 28   | 05:31 AM 0.1 3<br>11:53 AM 7.2 219<br>Sa 05:34 PM 2.3 70<br>11:28 PM 7.4 226       |
| 14   | 02:17 AM 1.8 55<br>08:15 AM 5.3 162<br>Su 01:38 PM 2.3 70<br>08:10 PM 7.6 232    | 29   | 03:03 AM 0.2 6<br>09:13 AM 5.8 177<br>M 02:26 PM 2.5 76<br>08:46 PM 8.5 259       | 14     | 03:43 AM 0.8 24<br>10:29 AM 5.3 162<br>W 02:59 PM 3.7 113<br>08:56 PM 7.7 235     | 29   | 05:05 AM -0.2 -6<br>11:32 AM 6.4 195<br>Th 04:42 PM 3.2 98<br>10:39 PM 7.8 238   | 14        | 05:17 AM -0.2 -6<br>11:55 AM 6.5 198<br>Sa 05:11 PM 2.9 88<br>10:57 PM 8.0 244    | 29   | 06:14 AM 0.0 0<br>12:31 PM 7.5 229<br>Su 06:22 PM 1.6 49                           |
| 15   | 03:23 AM 1.4 43<br>09:36 AM 5.2 158<br>M 02:35 PM 2.9 88<br>08:56 PM 7.8 238     | 30   | 04:15 AM -0.1 -3<br>10:34 AM 5.9 180<br>Tu 03:36 PM 3.0 91<br>09:47 PM 8.5 259    | 15     | 04:51 AM 0.3 9<br>11:37 AM 5.7 174<br>Th 04:19 PM 3.7 113<br>10:06 PM 7.9 241     | 30   | 06:01 AM -0.5 -15<br>12:24 PM 6.8 207<br>F 05:45 PM 2.8 85<br>11:40 PM 7.9 241   | 15        | 06:07 AM -0.8 -24<br>12:35 PM 7.1 216<br>Su 06:08 PM 2.0 61<br>11:59 PM 8.4 256   | 30   | 12:18 AM 7.5 229<br>06:50 AM 0.0 0<br>M 01:04 PM 7.8 238<br>07:05 PM 1.0 30        |
|      |  | 31   | 05:21 AM -0.5 -15<br>11:45 AM 6.2 189<br>W 04:46 PM 3.2 98<br>10:49 PM 8.5 259    |        |   | 31   | 06:48 AM -0.7 -21<br>01:07 PM 7.2 219<br>Sa 06:37 PM 2.2 67                      |           |   |      |  |

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.



Times and Heights of High and Low Waters

| October   |          |      |     |    | November  |          |      |     |    | December  |          |      |     |    |           |          |      |     |    |           |          |      |     |   |           |          |      |     |  |
|-----------|----------|------|-----|----|-----------|----------|------|-----|----|-----------|----------|------|-----|----|-----------|----------|------|-----|----|-----------|----------|------|-----|---|-----------|----------|------|-----|--|
| Time      | Height   |      |     |    | Time      | Height   |      |     |    | Time      | Height   |      |     |    | Time      | Height   |      |     |    |           |          |      |     |   |           |          |      |     |  |
|           | h        | m    | ft  | cm |           | h        | m    | ft  | cm |           | h        | m    | ft  | cm |           | h        | m    | ft  | cm |           |          |      |     |   |           |          |      |     |  |
| <b>1</b>  | 01:02 AM | 7.6  | 232 |    | <b>16</b> | 12:44 AM | 8.3  | 253 |    | <b>1</b>  | 02:11 AM | 7.3  | 223 |    | <b>16</b> | 01:27 AM | 8.1  | 247 |    | <b>1</b>  | 01:45 AM | 7.5  | 229 |   | <b>16</b> | 02:13 AM | 8.2  | 250 |  |
|           | 07:22 AM | 0.2  | 6   |    |           | 06:55 AM | 0.0  | 0   |    |           | 07:43 AM | 2.3  | 70  |    |           | 06:51 AM | 2.5  | 76  |    |           | 06:52 AM | 3.8  | 116 |   |           | 07:26 AM | 3.6  | 110 |  |
| Tu        | 01:33 PM | 8.0  | 244 |    | W         | 01:04 PM | 9.1  | 277 |    | F         | 01:36 PM | 8.8  | 268 |    | Sa        | 12:45 PM | 10.3 | 314 |    | Su        | 12:30 PM | 9.4  | 287 |   | M         | 01:10 PM | 10.1 | 308 |  |
|           | 07:43 PM | 0.5  | 15  |    |           | 07:33 PM | -0.8 | -24 |    | ●         | 08:31 PM | -0.4 | -12 |    |           | 07:55 PM | -1.7 | -52 |    | ●         | 07:49 PM | -0.5 | -15 |   |           | 08:30 PM | -1.2 | -37 |  |
| <b>2</b>  | 01:43 AM | 7.5  | 229 |    | <b>17</b> | 01:38 AM | 8.3  | 253 |    | <b>2</b>  | 02:52 AM | 7.3  | 223 |    | <b>17</b> | 02:19 AM | 8.1  | 247 |    | <b>2</b>  | 02:28 AM | 7.6  | 232 |   | <b>17</b> | 03:01 AM | 8.2  | 250 |  |
|           | 08:20 AM | 0.2  | 6   |    |           | 07:36 AM | 0.4  | 12  |    |           | 08:16 AM | 2.7  | 82  |    |           | 07:39 AM | 2.9  | 88  |    |           | 07:32 AM | 4.0  | 122 |   |           | 09:26 AM | 3.6  | 110 |  |
| W         | 01:59 PM | 8.1  | 247 |    | Th        | 01:40 PM | 9.6  | 293 |    | Sa        | 02:01 PM | 8.9  | 271 |    | Su        | 01:27 PM | 10.2 | 311 |    | M         | 01:04 PM | 9.5  | 290 |   | Tu        | 01:56 PM | 9.8  | 299 |  |
| ●         | 08:19 PM | 0.2  | 6   |    | ○         | 08:21 PM | -1.4 | -43 |    |           | 09:04 PM | -0.5 | -15 |    |           | 08:42 PM | -1.5 | -46 |    |           | 08:26 PM | -0.6 | -18 |   |           | 09:13 PM | -0.8 | -24 |  |
| <b>3</b>  | 02:22 AM | 7.4  | 226 |    | <b>18</b> | 02:31 AM | 8.3  | 253 |    | <b>3</b>  | 02:34 AM | 7.2  | 219 |    | <b>18</b> | 03:12 AM | 7.9  | 241 |    | <b>3</b>  | 03:10 AM | 7.5  | 229 |   | <b>18</b> | 03:47 AM | 8.1  | 247 |  |
|           | 08:20 AM | 0.2  | 27  |    |           | 08:18 AM | 1.0  | 30  |    |           | 07:48 AM | 3.1  | 94  |    |           | 08:27 AM | 3.2  | 98  |    |           | 08:12 AM | 4.0  | 122 |   |           | 09:05 AM | 3.6  | 110 |  |
| Th        | 02:22 PM | 8.2  | 250 |    | F         | 02:17 PM | 9.8  | 299 |    | Su        | 01:27 PM | 9.0  | 274 |    | M         | 02:10 PM | 9.8  | 299 |    | Tu        | 01:41 PM | 9.4  | 287 |   | W         | 02:42 PM | 9.2  | 280 |  |
|           | 08:53 PM | -0.1 | -3  |    |           | 09:08 PM | -1.7 | -52 |    |           | 08:38 PM | -0.4 | -12 |    |           | 09:29 PM | -1.1 | -34 |    |           | 09:04 PM | -0.5 | -15 |   |           | 09:54 PM | -0.4 | -12 |  |
| <b>4</b>  | 03:01 AM | 7.2  | 219 |    | <b>19</b> | 03:24 AM | 8.0  | 244 |    | <b>4</b>  | 03:16 AM | 7.1  | 216 |    | <b>19</b> | 04:05 AM | 7.8  | 238 |    | <b>4</b>  | 03:52 AM | 7.5  | 229 |   | <b>19</b> | 04:31 AM | 8.0  | 244 |  |
|           | 08:48 AM | 1.4  | 43  |    |           | 09:00 AM | 1.6  | 49  |    |           | 08:22 AM | 3.4  | 104 |    |           | 09:17 AM | 3.5  | 107 |    |           | 08:54 AM | 4.0  | 122 |   |           | 09:56 AM | 3.6  | 110 |  |
| F         | 02:44 PM | 8.3  | 253 |    | Sa        | 02:55 PM | 9.8  | 299 |    | M         | 01:57 PM | 9.0  | 274 |    | Tu        | 02:56 PM | 9.2  | 280 |    | W         | 02:23 PM | 9.3  | 283 |   | Th        | 03:29 PM | 8.6  | 262 |  |
|           | 09:25 PM | -0.2 | -6  |    |           | 09:56 PM | -1.6 | -49 |    |           | 09:13 PM | -0.3 | -9  |    |           | 10:17 PM | -0.5 | -15 |    |           | 09:43 PM | -0.4 | -12 |   |           | 10:33 PM | 0.2  | 6   |  |
| <b>5</b>  | 03:40 AM | 7.0  | 213 |    | <b>20</b> | 04:18 AM | 7.7  | 235 |    | <b>5</b>  | 04:01 AM | 6.9  | 210 |    | <b>20</b> | 04:58 AM | 7.6  | 232 |    | <b>5</b>  | 04:35 AM | 7.4  | 226 |   | <b>20</b> | 05:14 AM | 7.9  | 241 |  |
|           | 09:15 AM | 1.9  | 58  |    |           | 09:44 AM | 2.2  | 67  |    |           | 08:59 AM | 3.7  | 113 |    |           | 10:10 AM | 3.7  | 113 |    |           | 09:41 AM | 4.0  | 122 |   |           | 10:45 AM | 3.5  | 107 |  |
| Sa        | 03:05 PM | 8.4  | 256 |    | Su        | 03:35 PM | 9.6  | 293 |    | Tu        | 02:33 PM | 8.9  | 271 |    | W         | 03:46 PM | 8.6  | 262 |    | Th        | 03:10 PM | 9.0  | 274 |   | F         | 04:19 PM | 7.9  | 241 |  |
|           | 09:57 PM | -0.2 | -6  |    |           | 10:45 PM | -1.3 | -40 |    | ●         | 09:52 PM | -0.2 | -6  |    |           | 11:07 PM | 0.1  | 3   |    |           | 10:26 PM | -0.2 | -6  |   |           | 11:12 PM | 0.8  | 24  |  |
| <b>6</b>  | 04:21 AM | 6.8  | 207 |    | <b>21</b> | 05:15 AM | 7.3  | 223 |    | <b>6</b>  | 04:50 AM | 6.7  | 204 |    | <b>21</b> | 05:53 AM | 7.4  | 226 |    | <b>6</b>  | 05:20 AM | 7.5  | 229 |   | <b>21</b> | 05:56 AM | 7.9  | 241 |  |
|           | 09:43 AM | 2.4  | 73  |    |           | 10:30 AM | 2.8  | 85  |    |           | 09:41 AM | 3.9  | 119 |    |           | 11:10 AM | 3.8  | 116 |    |           | 10:35 AM | 3.8  | 116 |   |           | 11:42 AM | 3.4  | 104 |  |
| Su        | 03:29 PM | 8.5  | 259 |    | M         | 04:18 PM | 9.1  | 277 |    | W         | 03:15 PM | 8.7  | 265 |    | Th        | 04:42 PM | 7.8  | 238 |    | F         | 04:05 PM | 8.5  | 259 |   | Sa        | 05:15 PM | 7.1  | 216 |  |
|           | 10:29 PM | -0.1 | -3  |    |           | 11:37 PM | -0.7 | -21 |    |           | 10:38 PM | 0.1  | 3   |    |           | 11:59 PM | 0.7  | 21  |    |           | 11:12 PM | 0.1  | 3   |   |           | 11:52 PM | 1.4  | 43  |  |
| <b>7</b>  | 05:05 AM | 6.4  | 195 |    | <b>22</b> | 06:15 AM | 7.0  | 213 |    | <b>7</b>  | 05:45 AM | 6.6  | 201 |    | <b>22</b> | 06:48 AM | 7.4  | 226 |    | <b>7</b>  | 06:06 AM | 7.6  | 232 |   | <b>22</b> | 06:38 AM | 7.9  | 241 |  |
|           | 10:14 AM | 2.9  | 88  |    |           | 11:22 AM | 3.3  | 101 |    |           | 10:35 AM | 4.1  | 125 |    |           | 12:18 PM | 3.8  | 116 |    |           | 11:40 AM | 3.5  | 107 |   |           | 12:46 PM | 3.2  | 98  |  |
| M         | 03:59 PM | 8.4  | 256 |    | Tu        | 05:07 PM | 8.5  | 259 |    | Th        | 04:08 PM | 8.3  | 253 |    | F         | 05:50 PM | 7.1  | 216 |    | Sa        | 05:10 PM | 7.9  | 241 |   | Su        | 06:22 PM | 6.5  | 198 |  |
|           | 11:06 PM | 0.1  | 3   |    |           |          |      |     |    |           | 11:35 PM | 0.3  | 9   |    |           |          |      |     |    |           |          |      |     | ○ |           |          |      |     |  |
| <b>8</b>  | 05:57 AM | 6.1  | 186 |    | <b>23</b> | 12:35 AM | -0.1 | -3  |    | <b>8</b>  | 06:45 AM | 6.6  | 201 |    | <b>23</b> | 12:54 AM | 1.2  | 37  |    | <b>8</b>  | 12:04 AM | 0.6  | 18  |   | <b>23</b> | 12:35 AM | 2.0  | 61  |  |
|           | 10:50 AM | 3.3  | 101 |    |           | 07:20 AM | 6.8  | 207 |    |           | 11:47 AM | 4.0  | 122 |    |           | 07:41 AM | 7.5  | 229 |    |           | 06:55 AM | 7.9  | 241 |   |           | 07:21 AM | 8.0  | 244 |  |
| Tu        | 04:36 PM | 8.3  | 253 |    | W         | 12:26 PM | 3.7  | 113 |    | F         | 05:16 PM | 7.7  | 235 |    | Sa        | 01:32 PM | 3.4  | 104 |    | Su        | 12:55 PM | 3.0  | 91  |   | M         | 01:53 PM | 2.7  | 82  |  |
|           | 11:53 PM | 0.4  | 12  |    |           | 06:07 PM | 7.7  | 235 |    | ●         |          |      |     | ●  | 07:07 PM  | 6.6      | 201  |     | ●  | 06:28 PM  | 7.3      | 223  |     | ● | 07:39 PM  | 6.1      | 186  |     |  |
| <b>9</b>  | 07:01 AM | 5.8  | 177 |    | <b>24</b> | 01:41 AM | 0.5  | 15  |    | <b>9</b>  | 12:41 AM | 0.6  | 18  |    | <b>24</b> | 01:49 AM | 1.6  | 49  |    | <b>9</b>  | 01:00 AM | 1.1  | 34  |   | <b>24</b> | 01:25 AM | 2.7  | 82  |  |
|           | 11:38 AM | 3.8  | 116 |    |           | 08:28 AM | 6.7  | 204 |    |           | 07:43 AM | 6.9  | 210 |    |           | 08:30 AM | 7.7  | 235 |    |           | 07:44 AM | 8.4  | 256 |   |           | 08:05 AM | 8.2  | 250 |  |
| W         | 05:25 PM | 8.0  | 244 |    | Th        | 01:44 PM | 3.8  | 116 |    | Sa        | 01:13 PM | 3.7  | 113 |    | Su        | 02:42 PM | 2.8  | 85  |    | M         | 02:10 PM | 2.2  | 67  |   | Tu        | 02:58 PM | 2.2  | 67  |  |
|           |          |      |     |    | ●         | 07:22 PM | 7.1  | 216 |    | ●         | 06:41 PM | 7.3  | 223 |    | ●         | 08:25 PM | 6.3  | 192 |    | ●         | 07:54 PM | 6.9  | 210 |   | ●         | 08:58 PM | 6.0  | 183 |  |
| <b>10</b> | 12:58 AM | 0.6  | 18  |    | <b>25</b> | 02:51 AM | 0.8  | 24  |    | <b>10</b> | 01:48 AM | 0.7  | 21  |    | <b>25</b> | 02:41 AM | 1.9  | 58  |    | <b>10</b> | 01:59 AM | 1.6  | 49  |   | <b>25</b> | 02:19 AM | 3.2  | 98  |  |
|           | 08:15 AM | 5.8  | 177 |    |           | 09:31 AM | 6.9  | 210 |    |           | 08:36 AM | 7.4  | 226 |    |           | 09:13 AM | 8.0  | 244 |    |           | 08:32 AM | 8.9  | 271 |   |           | 08:45 AM | 8.4  | 256 |  |
| Th        | 12:49 PM | 4.0  | 122 |    | F         | 03:05 PM | 3.5  | 107 |    | Su        | 02:32 PM | 2.8  | 85  |    | M         | 03:41 PM | 2.0  | 61  |    | Tu        | 03:18 PM | 1.3  | 40  |   | W         | 03:55 PM | 1.5  | 46  |  |
| ●         | 06:30 PM | 7.6  | 232 |    |           | 08:46 PM | 6.7  | 204 |    |           | 08:09 PM | 7.2  | 219 |    |           | 09:35 PM | 6.4  | 195 |    |           | 09:15 PM | 6.9  | 210 |   |           | 10:10 PM | 6.3  | 192 |  |
| <b>11</b> | 02:20 AM | 0.7  | 21  |    | <b>26</b> | 03:53 AM | 0.9  | 27  |    | <b>11</b> | 02:49 AM | 0.8  | 24  |    | <b>26</b> | 03:28 AM | 2.2  | 67  |    | <b>11</b> | 02:57 AM | 2.1  | 64  |   | <b>26</b> | 03:14 AM | 3.7  | 113 |  |
|           | 09:27 AM | 6.0  | 183 |    |           | 10:25 AM | 7.2  | 219 |    |           | 09:23 AM | 8.0  | 244 |    |           | 09:51 AM | 8.3  | 253 |    |           | 09:20 AM | 9.5  | 290 |   |           | 09:27 AM | 8.7  | 265 |  |
| F         | 02:25 PM | 3.9  | 119 |    | Sa        | 04:16 PM | 2.8  | 85  |    | M         | 03:38 PM | 1.7  | 52  |    | Tu        | 04:31 PM | 1.3  | 40  |    | W         | 04:19 PM | 0.3  | 9   |   | Th        | 04:46 PM | 0.9  | 27  |  |
|           | 07:57 PM | 7.3  | 223 |    |           | 10:02 PM | 6.7  | 204 |    |           | 09:28 PM | 7.3  | 223 |    |           | 10:36 PM | 6.6  | 201 |    |           | 10:28 PM | 7.2  | 219 |   |           | 11:12 PM | 6.7  | 204 |  |
| <b>12</b> | 03:35 AM | 0.4  | 12  |    | <b>27</b> | 04:44 AM | 0.9  | 27  |    | <b>12</b> | 03:42 AM | 0.9  | 27  |    | <b>27</b> | 04:11 AM | 2.5  | 76  |    | <b>12</b> | 03:54 AM | 2.6  | 79  |   | <b>27</b> | 04:08 AM | 4.0  | 122 |  |
|           | 10:25 AM | 6.5  | 198 |    |           | 11:09 AM | 7.6  | 232 |    |           | 10:05 AM | 8.7  | 265 |    |           | 10:26 AM | 8.6  | 262 |    |           | 10:07 AM | 9.9  | 302 |   |           | 10:08 AM | 8.9  | 271 |  |
| Sa        | 03:49 PM | 3.3  | 101 |    | Su        |          |      |     |    |           |          |      |     |    |           |          |      |     |    |           |          |      |     |   |           |          |      |     |  |