



## NOAA Tide Predictions

### Cascade Head, Salmon River, OR,2022

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.





StationId: 9436381  
 Source: NOAA/NOS/CO-OPS  
 Station Type: Primary  
 Time Zone: LST\_LDT  
 Datum: MLLW

**Cascade Head, Salmon River, OR, 2022**  
**( 45 02.9N / 124 00.4W )**

**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> 12:51 AM 7.8 238  | 07:18 AM -0.2 -6 | <b>16</b> 12:14 AM 7.6 232  | 06:53 AM -0.5 -15 | <b>1</b> 12:44 AM 7.5 229   | 07:51 AM -0.7 -21 | <b>16</b> 12:10 AM 8.2 250  | 07:36 AM -1.4 -43 | <b>1</b> 01:10 AM 7.0 213   | 09:02 AM -0.8 -24 | <b>16</b> 01:24 AM 8.4 256  | 09:17 AM -1.9 -58 |
| F 01:04 PM 6.8 207         | 07:23 PM 0.5 15  | Sa 12:49 PM 6.6 201         | 06:43 PM 0.8 24   | Su 01:48 PM 5.5 168         | 07:13 PM 2.1 64   | M 01:40 PM 5.8 177          | 06:53 PM 2.1 64   | W 03:22 PM 5.2 158          | 08:24 PM 3.0 91   | Th 03:21 PM 5.9 180         | 08:48 PM 2.2 67   |
| <b>2</b> 01:20 AM 7.7 235  | 08:32 AM -0.3 -9 | <b>17</b> 12:43 AM 7.9 241  | 07:35 AM -0.8 -24 | <b>2</b> 01:09 AM 7.3 223   | 08:29 AM -0.7 -21 | <b>17</b> 12:50 AM 8.4 256  | 08:28 AM -1.6 -49 | <b>2</b> 01:43 AM 6.9 210   | 09:38 AM -0.6 -18 | <b>17</b> 02:16 AM 8.0 244  | 09:45 PM 1.9 58   |
| Sa 01:45 PM 6.4 195        | 07:43 PM 1.1 34  | Su 01:36 PM 6.4 195         | 07:16 PM 1.2 37   | M 02:35 PM 5.3 162          | 07:44 PM 2.5 76   | Tu 02:35 PM 5.8 177         | 07:47 PM 2.3 70   | Th 04:06 PM 5.1 155         | 09:06 PM 3.0 91   | F 04:13 PM 6.0 183          | 09:45 PM 1.9 58   |
| <b>3</b> 01:45 AM 7.6 232  | 08:32 AM -0.2 -6 | <b>18</b> 01:16 AM 8.2 250  | 08:19 AM -1.0 -30 | <b>3</b> 01:34 AM 7.2 219   | 08:29 AM -0.5 -15 | <b>18</b> 01:35 AM 8.3 253  | 09:20 AM -1.6 -49 | <b>3</b> 02:21 AM 6.7 204   | 10:13 AM -0.4 -12 | <b>18</b> 03:10 AM 7.5 229  | 10:50 AM -1.3 -40 |
| Su 02:29 PM 5.8 177        | 08:03 PM 1.7 52  | M 02:27 PM 6.0 183          | 07:53 PM 1.8 55   | Tu 03:25 PM 5.1 155         | 08:21 PM 2.9 88   | W 03:32 PM 5.7 174          | 08:46 PM 2.5 76   | F 04:50 PM 5.0 152          | 09:50 PM 2.9 88   | Sa 05:06 PM 6.1 186         | 10:44 PM 1.7 52   |
| <b>4</b> 02:09 AM 7.3 223  | 09:08 AM 0.0 0   | <b>19</b> 01:52 AM 8.2 250  | 09:08 AM -0.9 -27 | <b>4</b> 02:01 AM 6.9 210   | 09:05 AM 0.1 3    | <b>19</b> 02:23 AM 8.1 247  | 10:15 AM -1.3 -40 | <b>4</b> 03:02 AM 6.5 198   | 10:49 AM -0.3 -9  | <b>19</b> 04:08 AM 6.8 207  | 11:36 AM -0.9 -27 |
| M 03:16 PM 5.3 162         | 08:29 PM 2.3 70  | Tu 03:25 PM 5.6 171         | 08:37 PM 2.3 70   | W 04:21 PM 4.9 149          | 09:04 PM 3.1 94   | Th 04:34 PM 5.6 171         | 09:47 PM 2.5 76   | Sa 05:35 PM 5.0 152         | 10:38 PM 2.7 82   | Su 05:58 PM 6.3 192         | 11:48 PM 1.5 46   |
| <b>5</b> 02:32 AM 7.0 213  | 09:46 AM 0.2 9   | <b>20</b> 02:34 AM 8.0 244  | 10:06 AM -0.6 -18 | <b>5</b> 02:35 AM 6.7 204   | 10:26 AM 0.1 3    | <b>20</b> 03:16 AM 7.5 229  | 11:13 AM -1.0 -30 | <b>5</b> 03:49 AM 6.1 186   | 11:28 AM -0.1 -3  | <b>20</b> 05:13 AM 5.9 180  | 12:21 PM -0.3 -9  |
| Tu 04:16 PM 4.8 146        | 09:02 PM 2.9 88  | W 04:34 PM 5.2 158          | 09:31 PM 2.8 85   | Th 05:25 PM 4.7 143         | 09:55 PM 3.3 101  | F 05:37 PM 5.6 171          | 10:55 PM 2.5 76   | Su 06:17 PM 5.1 155         | 11:34 PM 2.6 79   | M 06:49 PM 6.5 198          | 12:21 PM -0.3 -9  |
| <b>6</b> 02:59 AM 6.7 204  | 10:36 AM 0.7 21  | <b>21</b> 03:22 AM 7.6 232  | 11:19 AM -0.3 -9  | <b>6</b> 03:15 AM 6.3 192   | 11:19 AM 0.3 9    | <b>21</b> 04:17 AM 6.9 210  | 12:13 PM -0.7 -21 | <b>6</b> 04:43 AM 5.7 174   | 12:08 PM 0.1 3    | <b>21</b> 12:57 AM 1.3 40   | 06:27 AM 5.2 158  |
| W 05:45 PM 4.5 137         | 09:48 PM 3.4 104 | Th 05:56 PM 5.1 155         | 10:44 PM 3.1 94   | F 06:30 PM 4.7 143          | 10:59 PM 3.3 101  | Sa 06:38 PM 5.8 177         | 11:13 AM -0.7 -21 | M 06:57 PM 5.3 162          | 12:08 PM 0.1 3    | Tu 01:06 PM 0.3 9           | 07:39 PM 6.7 204  |
| <b>7</b> 03:34 AM 6.3 192  | 11:54 AM 1.1 34  | <b>22</b> 04:21 AM 6.9 210  | 12:42 AM -0.1 -3  | <b>7</b> 04:06 AM 5.9 180   | 12:20 PM 0.5 15   | <b>22</b> 12:09 AM 2.3 70   | 05:30 AM 6.2 189  | <b>7</b> 12:35 AM 2.3 70    | 05:46 AM 5.2 158  | <b>22</b> 02:08 AM 0.9 27   | 07:47 AM 4.6 140  |
| Th 07:23 PM 4.5 137        | 11:04 PM 3.8 116 | F 07:14 PM 5.3 162          | 10:44 PM 3.1 94   | Sa 07:27 PM 4.8 146         | 12:20 PM 0.5 15   | Su 07:35 PM 6.1 186         | 07:35 PM 6.1 186  | Tu 12:49 PM 0.3 9           | 07:35 PM 5.6 171  | W 01:52 PM 0.9 27           | 08:27 PM 6.8 207  |
| <b>8</b> 04:25 AM 5.8 177  | 01:27 PM 1.1 34  | <b>23</b> 12:19 AM 3.1 94   | 05:39 AM 6.3 192  | <b>8</b> 12:12 AM 3.2 98    | 05:11 AM 5.5 168  | <b>23</b> 01:24 AM 1.9 58   | 06:51 AM 5.6 171  | <b>8</b> 01:40 AM 1.9 58    | 07:01 AM 4.8 146  | <b>23</b> 03:19 AM 0.5 15   | 09:07 AM 4.4 134  |
| F 08:35 PM 4.8 146         | 08:35 PM 4.8 146 | Sa 01:58 PM 0.0 0           | 08:18 PM 5.6 171  | Su 01:19 PM 0.6 18          | 08:14 PM 5.0 152  | M 02:07 PM 0.0 0            | 08:26 PM 6.4 195  | W 01:31 PM 0.6 18           | 08:13 PM 6.0 183  | Th 02:39 PM 1.5 46          | 09:13 PM 6.9 210  |
| <b>9</b> 12:57 AM 3.8 116  | 05:48 AM 5.4 165 | <b>24</b> 01:48 AM 2.7 82   | 07:12 AM 6.0 183  | <b>9</b> 01:24 AM 2.8 85    | 06:31 AM 5.2 158  | <b>24</b> 02:35 AM 1.3 40   | 08:11 AM 5.2 158  | <b>9</b> 02:45 AM 1.3 40    | 08:25 AM 4.6 140  | <b>24</b> 04:23 AM 0.0 0    | 10:19 AM 4.4 134  |
| Sa 02:40 PM 1.0 30         | 09:25 PM 5.1 155 | Su 03:02 PM -0.1 -3         | 09:12 PM 6.1 186  | M 02:12 PM 0.5 15           | 08:54 PM 5.3 162  | Tu 02:57 PM 0.3 9           | 09:14 PM 6.7 204  | Th 02:14 PM 1.0 30          | 08:52 PM 6.5 198  | F 03:29 PM 2.1 64           | 09:56 PM 6.9 210  |
| <b>10</b> 02:22 AM 3.3 101 | 07:42 AM 5.4 165 | <b>25</b> 03:02 AM 2.0 61   | 08:37 AM 5.9 180  | <b>10</b> 02:29 AM 2.3 70   | 07:53 AM 5.2 158  | <b>25</b> 03:42 AM 0.7 21   | 09:24 AM 5.0 152  | <b>10</b> 03:49 AM 0.6 18   | 09:44 AM 4.6 140  | <b>25</b> 05:19 AM -0.4 -12 | 11:20 AM 4.6 140  |
| Su 03:34 PM 0.6 18         | 10:02 PM 5.5 168 | M 03:54 PM -0.1 -3          | 09:57 PM 6.6 201  | Tu 02:56 PM 0.5 15          | 09:28 PM 5.7 174  | W 03:43 PM 0.7 21           | 09:57 PM 7.0 213  | F 02:59 PM 1.4 43           | 09:32 PM 7.0 213  | Sa 04:20 PM 2.6 79          | 10:35 PM 6.9 210  |
| <b>11</b> 03:22 AM 2.7 82  | 09:00 AM 5.7 174 | <b>26</b> 04:03 AM 1.2 37   | 09:45 AM 6.0 183  | <b>11</b> 03:27 AM 1.6 49   | 09:06 AM 5.2 158  | <b>26</b> 04:40 AM 0.2 6    | 10:28 AM 5.0 152  | <b>11</b> 04:48 AM -0.1 -3  | 10:52 AM 4.9 149  | <b>26</b> 06:10 AM -0.7 -21 | 12:13 PM 4.9 149  |
| M 04:15 PM 0.3 9           | 10:32 PM 5.8 177 | Tu 04:38 PM 0.0 0           | 10:37 PM 7.0 213  | W 03:35 PM 0.5 15           | 09:59 PM 6.2 189  | Th 04:24 PM 1.2 37          | 10:35 PM 7.2 219  | Sa 03:48 PM 1.8 55          | 10:15 PM 7.5 229  | Su 05:12 PM 2.9 88          | 11:12 PM 2.9 88   |
| <b>12</b> 04:10 AM 2.0 61  | 09:55 AM 6.1 186 | <b>27</b> 04:56 AM 0.5 15   | 10:40 AM 6.0 183  | <b>12</b> 04:19 AM 0.9 27   | 10:08 AM 5.4 165  | <b>27</b> 05:33 AM -0.3 -9  | 11:24 AM 5.0 152  | <b>12</b> 05:46 AM -0.8 -24 | 11:51 AM 5.2 158  | <b>27</b> 06:56 AM -0.8 -24 | 01:01 PM 5.1 155  |
| Tu 04:49 PM 0.1 3          | 10:58 PM 6.2 189 | W 05:16 PM 0.2 6            | 11:13 PM 7.3 223  | Th 04:11 PM 0.7 21          | 10:29 PM 6.7 204  | F 05:02 PM 1.7 52           | 11:10 PM 7.3 223  | Su 04:40 PM 2.2 67          | 11:00 PM 8.0 244  | M 06:03 PM 3.1 94           | 11:47 PM 7.0 213  |
| <b>13</b> 04:53 AM 1.3 40  | 10:40 AM 6.4 195 | <b>28</b> 05:44 AM 0.0 0    | 11:30 AM 6.0 183  | <b>13</b> 05:08 AM 0.2 6    | 11:03 AM 5.6 171  | <b>28</b> 06:21 AM -0.7 -21 | 12:16 PM 5.1 155  | <b>13</b> 06:43 AM -1.3 -40 | 12:46 PM 5.4 165  | <b>28</b> 07:37 AM -0.9 -27 | 01:44 PM 5.3 162  |
| W 05:19 PM 0.0 0           | 11:23 PM 6.7 204 | Th 05:49 PM 0.6 18          | 11:46 PM 7.5 229  | F 04:46 PM 1.0 30           | 11:00 PM 7.3 223  | Sa 05:39 PM 2.2 67          | 11:42 PM 7.2 219  | M 05:39 PM 2.4 73           | 11:46 PM 8.3 253  | Tu 06:51 PM 3.0 91          | 06:51 PM 3.0 91   |
| <b>14</b> 05:33 AM 0.6 18  | 11:22 AM 6.6 201 | <b>29</b> 06:29 AM -0.4 -12 | 12:16 PM 5.9 180  | <b>14</b> 05:56 AM -0.5 -15 | 11:55 AM 5.7 174  | <b>29</b> 07:06 AM -0.9 -27 | 01:05 PM 5.2 158  | <b>14</b> 07:38 AM -1.7 -52 | 01:39 PM 5.7 174  | <b>29</b> 12:21 AM 7.0 213  | 08:15 AM -0.9 -27 |
| Th 05:47 PM 0.1 3          | 11:48 PM 7.1 216 | F 06:19 PM 1.1 34           | 12:16 PM 5.9 180  | Sa 05:23 PM 1.3 40          | 11:33 PM 7.8 238  | Su 06:18 PM 2.6 79          | 06:18 PM 2.6 79   | Tu 06:44 PM 2.5 76          | 06:44 PM 2.5 76   | W 02:23 PM 5.3 162          | 07:35 PM 2.9 88   |
| <b>15</b> 06:12 AM 0.0 0   | 12:05 PM 6.7 204 | <b>30</b> 12:16 AM 7.5 229  | 07:11 AM -0.7 -21 | <b>15</b> 06:45 AM -1.0 -30 | 12:47 PM 5.8 177  | <b>30</b> 12:11 AM 7.2 219  | 07:47 AM -0.9 -27 | <b>15</b> 12:34 AM 8.4 256  | 08:29 AM -1.9 -58 | <b>30</b> 12:56 AM 7.0 213  | 08:49 AM -0.9 -27 |
| F 06:15 PM 0.4 12          | 06:15 PM 0.4 12  | Sa 01:02 PM 5.7 174         | 06:46 PM 1.6 49   | Su 06:05 PM 1.7 52          | 12:47 PM 5.8 177  | M 01:52 PM 5.2 158          | 06:59 PM 2.9 88   | W 02:30 PM 5.8 177          | 07:48 PM 2.4 73   | Th 02:59 PM 5.3 162         | 08:15 PM 2.7 82   |
|                            |                  | ● 06:46 PM 1.6 49           |                   |                             |                   | ● 06:59 PM 2.9 88           |                   |                             |                   |                             |                   |
|                            |                  |                             |                   |                             |                   | <b>31</b> 12:40 AM 7.1 216  | 08:26 AM -0.9 -27 |                             |                   |                             |                   |
|                            |                  |                             |                   |                             |                   | Tu 02:37 PM 5.2 158         | 07:42 PM 3.0 91   |                             |                   |                             |                   |

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: 9436381  
 Source: NOAA/NOS/CO-OPS  
 Station Type: Primary  
 Time Zone: LST\_LDT  
 Datum: MLLW

**Cascade Head, Salmon River, OR, 2022**  
**( 45 02.9N / 124 00.4W )**

**Times and Heights of High and Low Waters**

| July                        |                   |                             |                   | August                      |                   |                             |                   | September                  |                   |                            |                  |
|-----------------------------|-------------------|-----------------------------|-------------------|-----------------------------|-------------------|-----------------------------|-------------------|----------------------------|-------------------|----------------------------|------------------|
| 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> 01:31 AM 7.0 213   | 09:20 AM -0.8 -24 | <b>16</b> 02:07 AM 7.9 241  | 09:40 AM -1.6 -49 | <b>1</b> 02:32 AM 6.6 201   | 09:35 AM -0.5 -15 | <b>16</b> 03:37 AM 6.0 183  | 10:06 AM 0.2 6    | <b>1</b> 03:57 AM 5.4 165  | 09:48 AM 1.1 34   | <b>16</b> 05:38 AM 4.7 143 | 10:28 AM 2.5 76  |
| F 03:33 PM 5.3 162          | 08:52 PM 2.5 76   | Sa 03:40 PM 6.4 195         | 09:31 PM 1.2 37   | M 03:41 PM 6.0 183          | 09:45 PM 1.4 43   | Tu 04:20 PM 6.9 210         | 10:54 PM 0.5 15   | Th 03:58 PM 7.1 216        | 10:54 PM 0.5 15   | F 04:33 PM 6.5 198         |                  |
| <b>2</b> 02:09 AM 6.9 210   | 09:48 AM -0.7 -21 | <b>17</b> 02:59 AM 7.3 223  | 10:17 AM -1.2 -37 | <b>2</b> 03:14 AM 6.2 189   | 09:58 AM -0.2 -6  | <b>17</b> 04:37 AM 5.2 158  | 10:36 AM 0.9 27   | <b>2</b> 05:04 AM 4.8 146  | 10:27 AM 1.8 55   | <b>17</b> 12:18 AM 0.6 18  | 07:02 AM 4.5 137 |
| Sa 04:05 PM 5.3 162         | 09:31 PM 2.3 70   | Su 04:26 PM 6.6 201         | 10:25 PM 1.0 30   | Tu 04:10 PM 6.2 189         | 10:28 PM 1.3 40   | W 05:01 PM 6.7 204          | 11:54 PM 0.5 15   | F 04:41 PM 7.1 216         |                   | Sa 11:22 AM 3.1 94         | 05:19 PM 6.1 186 |
| <b>3</b> 02:48 AM 6.6 201   | 10:15 AM -0.6 -18 | <b>18</b> 03:53 AM 6.5 198  | 10:53 AM -0.6 -18 | <b>3</b> 04:03 AM 5.6 171   | 10:26 AM 0.4 12   | <b>18</b> 05:51 AM 4.6 140  | 11:12 AM 1.7 52   | <b>3</b> 12:04 AM 0.5 15   | 06:33 AM 4.4 134  | <b>18</b> 01:35 AM 0.8 24  | 08:23 AM 4.6 140 |
| Su 04:37 PM 5.4 165         | 10:12 PM 2.1 64   | M 05:12 PM 6.7 204          | 11:23 PM 0.9 27   | W 04:45 PM 6.5 198          | 11:19 PM 1.1 34   | Th 05:44 PM 6.5 198         |                   | Sa 11:18 AM 2.4 73         | 05:34 PM 7.0 213  | Su 12:37 PM 3.4 104        | 06:25 PM 5.8 177 |
| <b>4</b> 03:31 AM 6.2 189   | 10:42 AM -0.4 -12 | <b>19</b> 04:53 AM 5.6 171  | 11:28 AM 0.1 3    | <b>4</b> 05:03 AM 4.9 149   | 11:00 AM 1.0 30   | <b>19</b> 01:02 AM 0.6 18   | 07:18 AM 4.3 131  | <b>4</b> 01:39 AM 0.5 15   | 08:09 AM 4.4 134  | <b>19</b> 02:52 AM 0.7 21  | 09:29 AM 4.8 146 |
| M 05:09 PM 5.6 171          | 10:59 PM 2.0 61   | Tu 05:59 PM 6.7 204         |                   | Th 05:25 PM 6.7 204         |                   | F 12:00 PM 2.4 73           | 06:34 PM 6.3 192  | Su 12:28 PM 2.9 88         | 06:40 PM 6.9 210  | M 02:03 PM 3.4 104         | 07:51 PM 5.7 174 |
| <b>5</b> 04:19 AM 5.7 174   | 11:12 AM 0.0 0    | <b>20</b> 12:28 AM 0.9 27   | 06:06 AM 4.8 146  | <b>5</b> 12:25 AM 0.9 27    | 06:25 AM 4.4 134  | <b>20</b> 02:18 AM 0.6 18   | 08:45 AM 4.3 131  | <b>5</b> 03:10 AM 0.2 6    | 09:27 AM 4.7 143  | <b>20</b> 03:56 AM 0.5 15  | 10:19 AM 5.1 155 |
| Tu 05:44 PM 5.8 177         | 11:54 PM 1.7 52   | W 12:06 PM 0.9 27           | 06:07 PM 6.7 204  | F 11:44 AM 1.7 52           | 06:13 PM 6.9 210  | Sa 01:06 PM 3.0 91          | 07:32 PM 6.1 186  | M 01:56 PM 3.0 91          | 07:58 PM 6.9 210  | Tu 03:17 PM 3.1 94         | 09:08 PM 5.8 177 |
| <b>6</b> 05:17 AM 5.1 155   | 11:46 AM 0.4 12   | <b>21</b> 01:38 AM 0.7 21   | 07:30 AM 4.3 131  | <b>6</b> 01:49 AM 0.7 21    | 08:05 AM 4.1 125  | <b>21</b> 03:32 AM 0.4 12   | 09:57 AM 4.6 140  | <b>6</b> 04:20 AM -0.2 -6  | 10:25 AM 5.2 158  | <b>21</b> 04:45 AM 0.3 9   | 10:58 AM 5.4 165 |
| W 06:22 PM 6.1 186          |                   | Th 12:49 PM 1.7 52          | 07:35 PM 6.6 201  | Sa 12:40 PM 2.3 70          | 07:09 PM 7.0 213  | Su 02:26 PM 3.2 98          | 08:38 PM 6.1 186  | Tu 03:23 PM 2.7 82         | 09:17 PM 7.1 216  | W 04:15 PM 2.6 79          | 10:06 PM 6.1 186 |
| <b>7</b> 12:58 AM 1.4 43    | 06:32 AM 4.6 140  | <b>22</b> 02:52 AM 0.5 15   | 08:56 AM 4.2 128  | <b>7</b> 03:18 AM 0.2 6     | 09:35 AM 4.4 134  | <b>22</b> 04:34 AM 0.1 3    | 10:51 AM 5.0 152  | <b>7</b> 05:16 AM -0.6 -18 | 11:11 AM 5.7 174  | <b>22</b> 05:25 AM 0.1 3   | 11:31 AM 5.7 174 |
| Th 12:27 PM 1.0 30          | 07:05 PM 6.5 198  | F 01:42 PM 2.3 70           | 08:26 PM 6.5 198  | Su 01:48 PM 2.7 82          | 08:14 PM 7.2 219  | M 03:40 PM 3.2 98           | 09:39 PM 6.2 189  | W 04:34 PM 2.2 67          | 10:24 PM 7.3 223  | Th 05:03 PM 2.1 64         | 10:52 PM 6.4 195 |
| <b>8</b> 02:10 AM 1.0 30    | 08:04 AM 4.2 128  | <b>23</b> 04:01 AM 0.1 3    | 10:12 AM 4.4 134  | <b>8</b> 04:32 AM -0.3 -9   | 10:41 AM 4.8 146  | <b>23</b> 05:24 AM -0.1 -3  | 11:33 AM 5.3 162  | <b>8</b> 06:03 AM -0.9 -27 | 11:53 AM 6.2 189  | <b>23</b> 05:59 AM -0.1 -3 | 11:59 AM 5.9 180 |
| F 01:15 PM 1.6 49           | 07:52 PM 6.8 207  | Sa 02:47 PM 2.8 85          | 09:16 PM 6.5 198  | M 03:08 PM 2.8 85           | 09:23 PM 7.4 226  | Tu 04:38 PM 2.9 88          | 10:30 PM 6.4 195  | Th 05:34 PM 1.5 46         | 11:20 PM 7.5 229  | F 05:47 PM 1.6 49          | 11:32 PM 6.6 201 |
| <b>9</b> 03:27 AM 0.4 12    | 09:36 AM 4.3 131  | <b>24</b> 05:01 AM -0.2 -6  | 11:12 AM 4.7 143  | <b>9</b> 05:33 AM -0.8 -24  | 11:33 AM 5.3 162  | <b>24</b> 06:06 AM -0.3 -9  | 12:09 PM 5.5 168  | <b>9</b> 06:45 AM -0.9 -27 | 12:31 PM 6.6 201  | <b>24</b> 06:30 AM -0.1 -3 | 12:25 PM 6.3 192 |
| Sa 02:09 PM 2.1 64          | 08:45 PM 7.2 219  | Su 03:56 PM 3.1 94          | 10:05 PM 6.6 201  | Tu 04:26 PM 2.6 79          | 10:28 PM 7.8 238  | W 05:26 PM 2.5 76           | 11:13 PM 6.7 204  | F 06:29 PM 0.9 27          |                   | Sa 06:29 PM 1.1 34         |                  |
| <b>10</b> 04:38 AM -0.3 -9  | 10:48 AM 4.6 140  | <b>25</b> 05:52 AM -0.5 -15 | 12:00 PM 5.1 155  | <b>10</b> 06:26 AM -1.2 -37 | 12:18 PM 5.7 174  | <b>25</b> 06:43 AM -0.5 -15 | 12:41 PM 5.6 171  | <b>10</b> 12:11 AM 7.5 229 | 07:23 AM -0.8 -24 | <b>25</b> 12:11 AM 6.7 204 | 06:57 AM 0.0 0   |
| Su 03:12 PM 2.5 76          | 09:41 PM 7.6 232  | M 04:56 PM 3.1 94           | 10:50 PM 6.7 204  | W 05:34 PM 2.2 67           | 10:28 PM 8.0 244  | Th 06:09 PM 2.1 64          | 11:51 PM 6.9 210  | Sa 01:09 PM 6.9 210        | 07:20 PM 0.5 15   | Su 12:49 PM 6.6 201        | 07:09 PM 0.6 18  |
| <b>11</b> 05:41 AM -0.9 -27 | 11:46 AM 5.1 155  | <b>26</b> 06:36 AM -0.6 -18 | 12:41 PM 5.3 162  | <b>11</b> 07:13 AM -1.5 -46 | 01:01 PM 6.1 186  | <b>26</b> 07:15 AM -0.6 -18 | 01:10 PM 5.8 177  | <b>11</b> 12:59 AM 7.2 219 | 07:57 AM -0.5 -15 | <b>26</b> 12:50 AM 6.7 204 | 07:23 AM 0.2 6   |
| M 04:21 PM 2.7 82           | 10:38 PM 8.0 244  | Tu 05:48 PM 3.0 91          | 11:30 PM 6.8 207  | Th 06:35 PM 1.7 52          |                   | F 06:50 PM 1.7 52           |                   | Su 01:45 PM 7.2 219        | 08:08 PM 0.1 3    | M 01:13 PM 7.0 213         | 07:48 PM 0.2 6   |
| <b>12</b> 06:39 AM -1.4 -43 | 12:38 PM 5.4 165  | <b>27</b> 07:16 AM -0.8 -24 | 01:18 PM 5.4 165  | <b>12</b> 12:18 AM 8.1 247  | 07:55 AM -1.5 -46 | <b>27</b> 12:27 AM 7.0 213  | 07:43 AM -0.6 -18 | <b>12</b> 01:46 AM 6.8 207 | 08:27 AM 0.0 0    | <b>27</b> 01:32 AM 6.5 198 | 07:49 AM 0.5 15  |
| Tu 05:32 PM 2.6 79          | 11:32 PM 8.2 250  | W 06:33 PM 2.7 82           |                   | F 01:42 PM 6.4 195          | 07:31 PM 1.2 37   | Sa 01:36 PM 5.9 180         | 07:30 PM 1.4 43   | M 02:19 PM 7.3 223         | 08:53 PM -0.1 -3  | Tu 01:40 PM 7.4 226        | 08:26 PM -0.1 -3 |
| <b>13</b> 07:31 AM -1.7 -52 | 01:25 PM 5.8 177  | <b>28</b> 12:07 AM 7.0 213  | 07:51 AM -0.8 -24 | <b>13</b> 01:08 AM 7.9 241  | 08:32 AM -1.4 -43 | <b>28</b> 01:03 AM 6.9 210  | 08:09 AM -0.5 -15 | <b>13</b> 02:34 AM 6.3 192 | 08:54 AM 0.5 15   | <b>28</b> 02:16 AM 6.3 192 | 08:16 AM 0.9 27  |
| W 06:41 PM 2.3 70           |                   | Th 01:51 PM 5.5 168         | 07:15 PM 2.4 73   | Sa 02:22 PM 6.7 204         | 08:23 PM 0.8 24   | Su 02:00 PM 6.2 189         | 08:07 PM 1.1 34   | Tu 02:52 PM 7.3 223        | 09:38 PM -0.1 -3  | W 02:09 PM 7.7 235         | 09:05 PM -0.2 -6 |
| <b>14</b> 12:25 AM 8.4 256  | 08:18 AM -1.9 -58 | <b>29</b> 12:43 AM 7.0 213  | 08:22 AM -0.9 -27 | <b>14</b> 01:56 AM 7.4 226  | 09:06 AM -1.0 -30 | <b>29</b> 01:40 AM 6.8 207  | 08:31 AM -0.3 -9  | <b>14</b> 03:25 AM 5.7 174 | 09:20 AM 1.2 37   | <b>29</b> 03:04 AM 5.9 180 | 08:47 AM 1.4 43  |
| Th 02:11 PM 6.0 183         | 07:42 PM 1.9 58   | F 02:21 PM 5.5 168          | 07:53 PM 2.1 64   | Su 03:01 PM 6.9 210         | 09:12 PM 0.5 15   | M 02:24 PM 6.5 198          | 08:44 PM 0.8 24   | W 03:24 PM 7.1 216         | 10:23 PM 0.1 3    | Th 02:43 PM 7.8 238        | 09:47 PM -0.2 -6 |
| <b>15</b> 01:16 AM 8.2 250  | 09:00 AM -1.8 -55 | <b>30</b> 01:18 AM 7.0 213  | 08:49 AM -0.8 -24 | <b>15</b> 02:45 AM 6.8 207  | 09:37 AM -0.5 -15 | <b>30</b> 02:21 AM 6.4 195  | 08:54 AM 0.1 3    | <b>15</b> 04:24 AM 5.1 155 | 09:50 AM 1.9 58   | <b>30</b> 04:00 AM 5.5 168 | 09:23 AM 2.0 61  |
| F 02:56 PM 6.3 192          | 08:38 PM 1.5 46   | Sa 02:48 PM 5.6 171         | 08:30 PM 1.8 55   | M 03:40 PM 6.9 210          | 10:02 PM 0.4 12   | Tu 02:51 PM 6.8 207         | 09:22 PM 0.6 18   | Th 03:57 PM 6.8 207        | 11:15 PM 0.3 9    | F 03:23 PM 7.8 238         | 10:39 PM 0.0 0   |
|                             |                   | <b>31</b> 01:54 AM 6.9 210  | 09:13 AM -0.7 -21 |                             |                   | <b>31</b> 03:05 AM 6.0 183  | 09:18 AM 0.5 15   |                            |                   |                            |                  |
|                             |                   | Su 03:14 PM 5.8 177         | 09:07 PM 1.6 49   |                             |                   | W 03:22 PM 7.0 213          | 10:03 PM 0.5 15   |                            |                   |                            |                  |

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.



**Cascade Head, Salmon River, OR, 2022**  
**( 45 02.9N / 124 00.4W )**

**Times and Heights of High and Low Waters**

| October            |          |                    |          | November           |          |                    |          | December           |          |                    |          |
|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|
| 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> 05:09 AM  | 5.0 152  | <b>16</b> 06:29 AM | 4.8 146  | <b>1</b> 12:57 AM  | 0.4 12   | <b>16</b> 06:41 AM | 5.0 152  | <b>1</b> 12:23 AM  | 1.2 37   | <b>16</b> 05:54 AM | 5.5 168  |
| 10:07 AM           | 2.5 76   | 10:46 AM           | 3.4 104  | 07:27 AM           | 5.4 165  | 11:23 AM           | 3.5 107  | 06:51 AM           | 6.2 189  | 11:53 AM           | 3.3 101  |
| Sa 04:09 PM        | 7.5 229  | Su 04:18 PM        | 6.3 192  | Tu 12:31 PM        | 3.1 94   | W 04:31 PM         | 5.6 171  | Th 12:58 PM        | 2.6 79   | F 04:57 PM         | 4.9 149  |
| 11:53 PM           | 0.2 6    |                    |          | 06:05 PM           | 6.5 198  |                    |          | 06:24 PM           | 5.4 165  | 11:46 PM           | 2.2 67   |
| <b>2</b> 06:34 AM  | 4.8 146  | <b>17</b> 12:36 AM | 1.0 30   | <b>2</b> 02:16 AM  | 0.6 18   | <b>17</b> 12:35 AM | 1.5 46   | <b>2</b> 01:35 AM  | 1.6 49   | <b>17</b> 06:55 AM | 5.8 177  |
| 11:08 AM           | 2.9 88   | 07:42 AM           | 4.8 146  | 08:33 AM           | 5.7 174  | 07:37 AM           | 5.2 158  | 06:52 AM           | 6.7 204  | 01:56 PM           | 2.8 85   |
| Su 05:07 PM        | 7.1 216  | M 11:57 AM         | 3.6 110  | W 02:08 PM         | 2.8 85   | Th 12:59 PM        | 3.3 101  | F 02:30 PM         | 1.9 58   | Sa 07:24 PM        | 4.5 137  |
|                    |          | 05:16 PM           | 5.8 177  | 07:39 PM           | 6.0 183  | 06:08 PM           | 5.1 155  | 08:08 PM           | 5.2 158  |                    |          |
| <b>3</b> 01:26 AM  | 0.4 12   | <b>18</b> 01:53 AM | 1.1 34   | <b>3</b> 03:22 AM  | 0.7 21   | <b>18</b> 01:39 AM | 1.6 49   | <b>3</b> 02:39 AM  | 1.8 55   | <b>18</b> 01:07 AM | 2.6 79   |
| 07:57 AM           | 4.9 149  | 08:46 AM           | 4.9 149  | 09:29 AM           | 6.3 192  | 08:22 AM           | 5.6 174  | 08:45 AM           | 7.2 219  | 07:50 AM           | 6.4 195  |
| M 12:33 PM         | 3.1 94   | Tu 01:23 PM        | 3.5 107  | Th 03:32 PM        | 2.1 64   | F 02:23 PM         | 2.7 82   | Sa 03:40 PM        | 1.0 30   | Su 03:14 PM        | 1.9 58   |
| 06:22 PM           | 6.7 204  | 08:42 PM           | 5.5 168  | 09:10 PM           | 5.9 180  | 07:58 PM           | 5.1 155  | 09:27 PM           | 5.4 165  | 09:07 PM           | 4.9 149  |
| <b>4</b> 02:50 AM  | 0.3 9    | <b>19</b> 03:01 AM | 1.0 30   | <b>4</b> 04:16 AM  | 0.7 21   | <b>19</b> 02:32 AM | 1.6 49   | <b>4</b> 03:32 AM  | 2.1 64   | <b>19</b> 02:24 AM | 2.8 85   |
| 09:05 AM           | 5.2 158  | 09:37 AM           | 5.2 158  | 10:16 AM           | 6.8 207  | 09:57 AM           | 6.2 189  | 09:29 AM           | 7.7 235  | 08:37 AM           | 7.0 213  |
| Tu 02:09 PM        | 2.9 88   | W 02:44 PM         | 3.1 94   | F 04:39 PM         | 1.2 37   | Sa 03:27 PM        | 1.8 55   | Su 04:35 PM        | 0.2 6    | M 04:09 PM         | 0.8 24   |
| 07:50 PM           | 6.5 198  | 08:21 PM           | 5.5 168  | 10:21 PM           | 6.0 183  | 09:12 PM           | 5.3 162  | 10:26 PM           | 5.8 177  | 10:08 PM           | 5.6 171  |
| <b>5</b> 03:57 AM  | 0.0 0    | <b>20</b> 03:53 AM | 0.9 27   | <b>5</b> 05:02 AM  | 0.8 24   | <b>20</b> 03:17 AM | 1.7 52   | <b>5</b> 04:18 AM  | 2.3 70   | <b>20</b> 03:23 AM | 2.9 88   |
| 10:00 AM           | 5.7 174  | 10:16 AM           | 5.5 168  | 10:56 AM           | 7.4 226  | 09:28 AM           | 6.8 207  | 10:08 AM           | 8.0 244  | 09:20 AM           | 7.8 238  |
| W 03:31 PM         | 2.4 73   | Th 03:49 PM        | 2.5 76   | Sa 05:35 PM        | 0.5 15   | Su 04:18 PM        | 1.0 30   | M 05:20 PM         | -0.4 -12 | Tu 04:54 PM        | -0.1 -3  |
| 09:14 PM           | 6.5 198  | 09:35 PM           | 5.6 171  | 11:19 PM           | 6.1 186  | 10:08 PM           | 5.7 174  | 11:14 PM           | 6.2 189  | 10:55 PM           | 6.2 189  |
| <b>6</b> 04:50 AM  | -0.1 -3  | <b>21</b> 04:34 AM | 0.7 21   | <b>6</b> 04:41 AM  | 1.1 34   | <b>21</b> 03:57 AM | 1.8 55   | <b>6</b> 04:59 AM  | 2.5 76   | <b>21</b> 04:13 AM | 2.9 88   |
| 10:45 AM           | 6.3 192  | 10:48 AM           | 5.9 180  | 10:33 AM           | 7.8 238  | 09:58 AM           | 7.5 229  | 10:43 AM           | 8.2 250  | 10:01 AM           | 8.6 262  |
| Th 04:37 PM        | 1.6 49   | F 04:43 PM         | 1.9 58   | Su 05:23 PM        | -0.2 -6  | M 05:03 PM         | 0.2 6    | Tu 06:00 PM        | -0.8 -24 | W 05:37 PM         | -0.8 -24 |
| 10:21 PM           | 6.7 204  | 10:30 PM           | 5.9 180  | 11:09 PM           | 6.2 189  | 10:57 PM           | 6.2 189  | 11:57 PM           | 6.5 198  | 11:37 PM           | 6.8 207  |
| <b>7</b> 05:34 AM  | -0.2 -6  | <b>22</b> 05:09 AM | 0.7 21   | <b>7</b> 05:17 AM  | 1.4 43   | <b>22</b> 04:35 AM | 2.0 61   | <b>7</b> 05:35 AM  | 2.7 82   | <b>22</b> 04:58 AM | 2.7 82   |
| 11:25 AM           | 6.8 207  | 11:15 AM           | 6.4 195  | 11:06 AM           | 8.1 247  | 10:29 AM           | 8.2 250  | 11:14 AM           | 8.4 256  | 10:42 AM           | 9.2 280  |
| F 05:34 PM         | 0.9 27   | Sa 05:30 PM        | 1.2 37   | M 06:07 PM         | -0.6 -18 | Tu 05:45 PM        | -0.5 -15 | W 06:36 PM         | -0.9 -27 | Th 06:18 PM        | -1.4 -43 |
| 11:17 PM           | 6.8 207  | 11:16 PM           | 6.1 186  | 11:56 PM           | 6.3 192  | 11:42 PM           | 6.5 198  |                    |          |                    |          |
| <b>8</b> 06:13 AM  | -0.1 -3  | <b>23</b> 05:41 AM | 0.7 21   | <b>8</b> 05:51 AM  | 1.8 55   | <b>23</b> 05:14 AM | 2.1 64   | <b>8</b> 12:37 AM  | 6.7 204  | <b>23</b> 12:17 AM | 7.1 216  |
| 12:01 PM           | 7.2 219  | 11:40 AM           | 6.9 210  | 11:37 AM           | 8.2 250  | 11:03 AM           | 8.7 265  | 06:08 AM           | 2.8 85   | 05:40 AM           | 2.5 76   |
| Sa 06:25 PM        | 0.3 9    | Su 06:13 PM        | 0.5 15   | Tu 06:47 PM        | -0.8 -24 | W 06:27 PM         | -1.0 -30 | Th 11:43 AM        | 8.4 256  | F 11:23 AM         | 9.7 296  |
|                    |          |                    |          | O                  |          |                    |          | 07:09 PM           | -0.9 -27 | 06:57 PM           | -1.6 -49 |
| <b>9</b> 12:07 AM  | 6.8 207  | <b>24</b> 12:00 AM | 6.3 192  | <b>9</b> 12:41 AM  | 6.3 192  | <b>24</b> 12:26 AM | 6.7 204  | <b>9</b> 01:13 AM  | 6.7 204  | <b>24</b> 12:57 AM | 7.3 223  |
| 06:48 AM           | 0.2 6    | 06:11 AM           | 0.9 27   | 06:22 AM           | 2.2 67   | 05:53 AM           | 2.2 67   | 06:37 AM           | 2.9 88   | 06:22 AM           | 2.2 67   |
| Su 12:36 PM        | 7.6 232  | M 12:06 PM         | 7.4 226  | W 12:06 PM         | 8.2 250  | Th 11:39 AM        | 9.2 280  | F 12:10 PM         | 8.4 256  | Sa 12:06 PM        | 9.9 302  |
| O 07:13 PM         | -0.2 -6  | 06:55 PM           | 0.0 0    | 07:23 PM           | -0.8 -24 | 07:07 PM           | -1.3 -40 | 07:38 PM           | -0.7 -21 | 07:36 PM           | -1.5 -46 |
| <b>10</b> 12:55 AM | 6.6 201  | <b>25</b> 12:44 AM | 6.5 198  | <b>10</b> 01:24 AM | 6.3 192  | <b>25</b> 01:10 AM | 6.8 207  | <b>10</b> 01:48 AM | 6.6 201  | <b>25</b> 01:37 AM | 7.2 219  |
| 07:20 AM           | 0.6 18   | 06:42 AM           | 1.1 34   | 06:51 AM           | 2.5 76   | 06:33 AM           | 2.3 70   | 07:04 AM           | 2.9 88   | 07:04 AM           | 2.0 61   |
| M 01:09 PM         | 7.7 235  | Tu 12:33 PM        | 7.9 241  | Th 12:33 PM        | 8.0 244  | F 12:18 PM         | 9.4 287  | Sa 12:38 PM        | 8.3 253  | Su 12:49 PM        | 9.8 299  |
| 07:56 PM           | -0.5 -15 | 07:35 PM           | -0.5 -15 | 07:56 PM           | -0.7 -21 | 07:48 PM           | -1.3 -40 | 08:05 PM           | -0.4 -12 | 08:13 PM           | -1.2 -37 |
| <b>11</b> 01:42 AM | 6.4 195  | <b>26</b> 01:29 AM | 6.5 198  | <b>11</b> 02:07 AM | 6.1 186  | <b>26</b> 01:55 AM | 6.7 204  | <b>11</b> 02:21 AM | 6.3 192  | <b>26</b> 02:18 AM | 7.1 216  |
| 07:48 AM           | 1.1 34   | 07:14 AM           | 1.5 46   | 07:21 AM           | 2.8 85   | 07:15 AM           | 2.4 73   | 07:32 AM           | 2.9 88   | 07:47 AM           | 2.0 61   |
| Tu 01:39 PM        | 7.8 238  | W 01:04 PM         | 8.4 256  | F 01:00 PM         | 7.9 241  | Sa 01:00 PM        | 9.3 283  | Su 01:07 PM        | 8.1 247  | M 01:32 PM         | 9.2 280  |
| 08:37 PM           | -0.6 -18 | 08:15 PM           | -0.8 -24 | 08:27 PM           | -0.3 -9  | 08:30 PM           | -1.1 -34 | 08:29 PM           | -0.1 -3  | 08:50 PM           | -0.7 -21 |
| <b>12</b> 02:29 AM | 6.1 186  | <b>27</b> 02:15 AM | 6.4 195  | <b>12</b> 02:51 AM | 5.8 177  | <b>27</b> 02:43 AM | 6.5 198  | <b>12</b> 02:54 AM | 6.0 183  | <b>27</b> 03:03 AM | 6.9 210  |
| 08:16 AM           | 1.6 49   | 07:49 AM           | 1.8 55   | 07:52 AM           | 3.0 91   | 07:59 AM           | 2.5 76   | 08:01 AM           | 2.9 88   | 08:34 AM           | 2.1 64   |
| W 02:08 PM         | 7.7 235  | Th 01:39 PM        | 8.6 262  | Sa 01:29 PM        | 7.6 232  | Su 01:45 PM        | 8.9 271  | M 01:38 PM         | 7.8 238  | Tu 02:18 PM        | 8.3 253  |
| 09:15 PM           | -0.5 -15 | 08:55 PM           | -0.9 -27 | 08:59 PM           | 0.1 3    | 09:15 PM           | -0.6 -18 | 08:54 PM           | 0.3 9    | 09:27 PM           | 0.1 3    |
| <b>13</b> 03:17 AM | 5.7 174  | <b>28</b> 03:04 AM | 6.2 189  | <b>13</b> 03:38 AM | 5.5 168  | <b>28</b> 03:36 AM | 6.2 189  | <b>13</b> 03:28 AM | 5.7 174  | <b>28</b> 03:53 AM | 6.7 204  |
| 08:44 AM           | 2.2 67   | 08:27 AM           | 2.2 67   | 08:27 AM           | 3.2 98   | 08:48 AM           | 2.6 79   | 08:35 AM           | 3.0 91   | 09:30 AM           | 2.3 70   |
| Th 02:35 PM        | 7.4 226  | F 02:17 PM         | 8.6 262  | Su 02:02 PM        | 7.3 223  | M 02:33 PM         | 8.2 250  | Tu 02:12 PM        | 7.3 223  | W 03:10 PM         | 7.1 216  |
| 09:53 PM           | -0.2 -6  | 09:39 PM           | -0.7 -21 | 09:36 PM           | 0.5 15   | 10:07 PM           | 0.0 0    | 09:21 PM           | 0.7 21   | 10:08 PM           | 0.9 27   |
| <b>14</b> 04:11 AM | 5.4 165  | <b>29</b> 03:58 AM | 5.9 180  | <b>14</b> 04:34 AM | 5.2 158  | <b>29</b> 04:38 AM | 6.0 183  | <b>14</b> 04:06 AM | 5.4 165  | <b>29</b> 04:52 AM | 6.5 198  |
| 09:16 AM           | 2.7 82   | 09:09 AM           | 2.5 76   | 09:09 AM           | 3.4 104  | 09:50 AM           | 2.8 85   | 09:16 AM           | 3.2 98   | 10:50 AM           | 2.5 76   |
| F 03:04 PM         | 7.1 216  | Sa 03:00 PM        | 8.4 256  | M 02:40 PM         | 6.8 207  | Tu 03:29 PM        | 7.2 219  | W 02:52 PM         | 6.6 201  | Th 04:18 PM        | 5.8 177  |
| 10:34 PM           | 0.2 6    | 10:30 PM           | -0.4 -12 | 10:23 PM           | 0.9 27   | 11:10 PM           | 0.6 18   | 09:56 PM           | 1.2 37   | 11:02 PM           | 1.8 55   |
| <b>15</b> 05:15 AM | 5.0 152  | <b>30</b> 05:01 AM | 5.5 168  | <b>15</b> 05:37 AM | 5.0 152  | <b>30</b> 05:44 AM | 6.0 183  | <b>15</b> 04:55 AM | 5.4 165  | <b>30</b> 05:58 AM | 6.6 201  |
| 09:55 AM           | 3.1 94   | 09:58 AM           | 2.8 85   | 10:04 AM           | 3.5 107  | 11:15 AM           | 2.9 88   | 10:15 AM           | 3.3 101  | 12:40 PM           | 2.4 73   |
| Sa 03:37 PM        | 6.7 204  | Su 03:48 PM        | 7.9 241  | Tu 03:27 PM        | 6.2 189  | W 04:43 PM         | 6.2 189  | Th 03:41 PM        | 5.8 177  | F 06:10 PM         | 4.8 146  |
| 11:26 PM           | 0.6 18   | 11:37 PM           | 0.1 3    | 11:24 PM           | 1.3 40   |                    |          | 10:42 PM           | 1.7 52   |                    |          |
|                    |          | <b>31</b> 06:14 AM | 5.4 165  |                    |          |                    |          |                    |          | <b>31</b> 12:26 AM | 2.5 76   |
|                    |          | 11:03 AM           | 3.0 91   |                    |          |                    |          |                    |          | 07:07 AM           | 6.8 207  |
|                    |          | M 04:48 PM         | 7.2 219  |                    |          |                    |          |                    |          | Sa 02:24 PM        | 1.8 55   |
|                    |          |                    |          |                    |          |                    |          |                    |          | 08:14 PM           | 4.7 143  |

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