

## Astoria (Youngs Bay), OR - Jul 1871

| Date |     | High  |      |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|------|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sat |       |      | 12:36 | 7.5 | 6:10  | -1.5 | 5:52  | 2.6 | 4:34                                                                                | 8:17 |    |
| 2    | Sun |       |      | 1:29  | 7.7 | 7:02  | -1.8 | 6:48  | 2.6 | 4:34                                                                                | 8:17 |    |
| 3    | Mon | 12:37 | 10.0 | 2:20  | 7.9 | 7:52  | -1.9 | 7:43  | 2.5 | 4:35                                                                                | 8:17 |    |
| 4    | Tue | 1:29  | 9.8  | 3:10  | 8.0 | 8:39  | -1.8 | 8:37  | 2.4 | 4:36                                                                                | 8:16 |    |
| 5    | Wed | 2:20  | 9.4  | 3:57  | 8.0 | 9:25  | -1.5 | 9:30  | 2.3 | 4:36                                                                                | 8:16 |    |
| 6    | Thu | 3:13  | 8.8  | 4:44  | 8.0 | 10:09 | -1.0 | 10:25 | 2.2 | 4:37                                                                                | 8:16 |    |
| 7    | Fri | 4:08  | 8.0  | 5:29  | 7.9 | 10:52 | -0.4 | 11:23 | 2.1 | 4:38                                                                                | 8:15 |    |
| 8    | Sat | 5:07  | 7.3  | 6:16  | 7.9 | 11:36 | 0.4  |       |     | 4:39                                                                                | 8:15 |    |
| 9    | Sun | 6:12  | 6.6  | 7:02  | 7.9 | 12:27 | 2.0  | 12:24 | 1.1 | 4:39                                                                                | 8:14 |    |
| 10   | Mon | 7:23  | 6.1  | 7:49  | 7.9 | 1:33  | 1.7  | 1:15  | 1.7 | 4:40                                                                                | 8:14 |    |
| 11   | Tue | 8:37  | 5.9  | 8:36  | 8.0 | 2:38  | 1.2  | 2:09  | 2.3 | 4:41                                                                                | 8:13 |    |
| 12   | Wed | 9:45  | 6.1  | 9:21  | 8.2 | 3:37  | 0.7  | 3:04  | 2.7 | 4:42                                                                                | 8:12 |   |
| 13   | Thu | 10:45 | 6.3  | 10:04 | 8.3 | 4:29  | 0.3  | 3:56  | 3.0 | 4:43                                                                                | 8:12 |  |
| 14   | Fri | 11:37 | 6.7  | 10:44 | 8.4 | 5:15  | -0.1 | 4:46  | 3.1 | 4:44                                                                                | 8:11 |  |
| 15   | Sat |       |      | 12:23 | 6.9 | 5:58  | -0.4 | 5:33  | 3.2 | 4:45                                                                                | 8:10 |  |
| 16   | Sun |       |      | 1:06  | 7.1 | 6:38  | -0.6 | 6:18  | 3.1 | 4:46                                                                                | 8:10 |  |
| 17   | Mon | 12:02 | 8.6  | 1:45  | 7.2 | 7:16  | -0.8 | 7:00  | 3.0 | 4:47                                                                                | 8:09 |  |
| 18   | Tue | 12:39 | 8.6  | 2:22  | 7.3 | 7:51  | -0.9 | 7:41  | 2.9 | 4:48                                                                                | 8:08 |  |
| 19   | Wed | 1:17  | 8.6  | 2:56  | 7.4 | 8:24  | -0.9 | 8:21  | 2.7 | 4:49                                                                                | 8:07 |  |
| 20   | Thu | 1:55  | 8.5  | 3:29  | 7.4 | 8:56  | -0.9 | 9:00  | 2.5 | 4:50                                                                                | 8:06 |  |
| 21   | Fri | 2:36  | 8.3  | 4:02  | 7.5 | 9:28  | -0.7 | 9:42  | 2.2 | 4:51                                                                                | 8:05 |  |
| 22   | Sat | 3:22  | 7.9  | 4:35  | 7.7 | 10:02 | -0.4 | 10:29 | 2.0 | 4:52                                                                                | 8:04 |  |
| 23   | Sun | 4:13  | 7.4  | 5:13  | 7.9 | 10:40 | 0.1  | 11:25 | 1.7 | 4:53                                                                                | 8:03 |  |
| 24   | Mon | 5:15  | 6.8  | 5:56  | 8.1 | 11:23 | 0.8  |       |     | 4:54                                                                                | 8:02 |  |
| 25   | Tue | 6:30  | 6.2  | 6:46  | 8.3 | 12:32 | 1.4  | 12:17 | 1.5 | 4:55                                                                                | 8:01 |  |
| 26   | Wed | 7:54  | 6.0  | 7:42  | 8.6 | 1:45  | 0.9  | 1:20  | 2.1 | 4:56                                                                                | 8:00 |  |
| 27   | Thu | 9:16  | 6.1  | 8:42  | 8.9 | 2:58  | 0.3  | 2:30  | 2.5 | 4:57                                                                                | 7:59 |  |
| 28   | Fri | 10:28 | 6.5  | 9:42  | 9.2 | 4:04  | -0.4 | 3:38  | 2.7 | 4:59                                                                                | 7:58 |  |
| 29   | Sat | 11:30 | 6.9  | 10:40 | 9.5 | 5:03  | -1.0 | 4:42  | 2.7 | 5:00                                                                                | 7:56 |  |
| 30   | Sun |       |      | 12:23 | 7.4 | 5:58  | -1.5 | 5:42  | 2.5 | 5:01                                                                                | 7:55 |  |
| 31   | Mon |       |      | 1:12  | 7.7 | 6:48  | -1.7 | 6:38  | 2.2 | 5:02                                                                                | 7:54 |  |