

## Astoria (Youngs Bay), OR - Jun 1847

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 1:40  | 9.2 | 3:21  | 7.7 | 8:46  | -0.9 | 8:46  | 2.7 | 4:34                                                                                | 8:05 |    |
| 2    | Wed | 2:23  | 9.1 | 4:04  | 7.7 | 9:26  | -0.8 | 9:34  | 2.7 | 4:33                                                                                | 8:06 |    |
| 3    | Thu | 3:11  | 8.8 | 4:50  | 7.7 | 10:09 | -0.6 | 10:27 | 2.6 | 4:33                                                                                | 8:07 |    |
| 4    | Fri | 4:06  | 8.4 | 5:39  | 7.8 | 10:56 | -0.3 | 11:29 | 2.4 | 4:32                                                                                | 8:08 |    |
| 5    | Sat | 5:09  | 7.8 | 6:31  | 8.0 | 11:48 | 0.2  |       |     | 4:32                                                                                | 8:08 |    |
| 6    | Sun | 6:23  | 7.3 | 7:26  | 8.3 | 12:39 | 2.1  | 12:47 | 0.7 | 4:31                                                                                | 8:09 |    |
| 7    | Mon | 7:42  | 6.9 | 8:20  | 8.7 | 1:52  | 1.6  | 1:50  | 1.1 | 4:31                                                                                | 8:10 |    |
| 8    | Tue | 8:58  | 6.9 | 9:13  | 9.1 | 3:01  | 0.8  | 2:51  | 1.4 | 4:30                                                                                | 8:11 |    |
| 9    | Wed | 10:08 | 7.1 | 10:04 | 9.4 | 4:03  | 0.1  | 3:49  | 1.7 | 4:30                                                                                | 8:11 |    |
| 10   | Thu | 11:10 | 7.4 | 10:52 | 9.6 | 4:59  | -0.6 | 4:44  | 1.9 | 4:30                                                                                | 8:12 |    |
| 11   | Fri |       |     | 12:06 | 7.7 | 5:51  | -1.0 | 5:36  | 2.1 | 4:30                                                                                | 8:13 |    |
| 12   | Sat |       |     | 12:58 | 7.8 | 6:41  | -1.3 | 6:27  | 2.3 | 4:29                                                                                | 8:13 |    |
| 13   | Sun | 12:23 | 9.6 | 1:47  | 7.9 | 7:27  | -1.3 | 7:17  | 2.4 | 4:29                                                                                | 8:14 |   |
| 14   | Mon | 1:06  | 9.4 | 2:34  | 8.0 | 8:10  | -1.2 | 8:04  | 2.5 | 4:29                                                                                | 8:14 |  |
| 15   | Tue | 1:49  | 9.0 | 3:18  | 7.9 | 8:51  | -0.9 | 8:50  | 2.5 | 4:29                                                                                | 8:15 |  |
| 16   | Wed | 2:32  | 8.6 | 4:01  | 7.8 | 9:29  | -0.6 | 9:36  | 2.6 | 4:29                                                                                | 8:15 |  |
| 17   | Thu | 3:15  | 8.0 | 4:42  | 7.7 | 10:06 | -0.1 | 10:23 | 2.6 | 4:29                                                                                | 8:16 |  |
| 18   | Fri | 4:01  | 7.5 | 5:24  | 7.6 | 10:43 | 0.4  | 11:14 | 2.6 | 4:29                                                                                | 8:16 |  |
| 19   | Sat | 4:53  | 6.9 | 6:07  | 7.6 | 11:22 | 0.9  |       |     | 4:29                                                                                | 8:16 |  |
| 20   | Sun | 5:53  | 6.3 | 6:51  | 7.6 | 12:12 | 2.5  | 12:07 | 1.4 | 4:30                                                                                | 8:17 |  |
| 21   | Mon | 7:03  | 6.0 | 7:37  | 7.7 | 1:15  | 2.3  | 12:59 | 1.9 | 4:30                                                                                | 8:17 |  |
| 22   | Tue | 8:16  | 5.8 | 8:23  | 7.9 | 2:19  | 1.9  | 1:55  | 2.3 | 4:30                                                                                | 8:17 |  |
| 23   | Wed | 9:26  | 6.0 | 9:09  | 8.2 | 3:18  | 1.3  | 2:51  | 2.5 | 4:30                                                                                | 8:17 |  |
| 24   | Thu | 10:27 | 6.3 | 9:53  | 8.5 | 4:11  | 0.7  | 3:45  | 2.7 | 4:31                                                                                | 8:17 |  |
| 25   | Fri | 11:20 | 6.7 | 10:35 | 8.8 | 4:59  | 0.2  | 4:36  | 2.8 | 4:31                                                                                | 8:17 |  |
| 26   | Sat |       |     | 12:08 | 7.0 | 5:44  | -0.3 | 5:25  | 2.8 | 4:31                                                                                | 8:17 |  |
| 27   | Sun |       |     | 12:54 | 7.3 | 6:27  | -0.7 | 6:13  | 2.7 | 4:32                                                                                | 8:17 |  |
| 28   | Mon | 12:00 | 9.2 | 1:37  | 7.5 | 7:09  | -1.0 | 7:00  | 2.6 | 4:32                                                                                | 8:17 |  |
| 29   | Tue | 12:43 | 9.3 | 2:18  | 7.7 | 7:50  | -1.3 | 7:47  | 2.4 | 4:33                                                                                | 8:17 |  |
| 30   | Wed | 1:28  | 9.3 | 2:59  | 7.9 | 8:30  | -1.3 | 8:35  | 2.2 | 4:33                                                                                | 8:17 |  |