

## Astoria (Youngs Bay), OR - Nov 1846

| Date |     | High  |     |       |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sun | 11:03 | 9.5 | 11:48 | 8.3 | 4:51  | 1.0 | 5:40  | -0.6 | 7:03                                                                                | 5:08 |    |
| 2    | Mon | 11:44 | 9.8 |       |     | 5:38  | 1.2 | 6:28  | -1.1 | 7:04                                                                                | 5:07 |    |
| 3    | Tue | 12:40 | 8.4 | 12:25 | 9.9 | 6:24  | 1.5 | 7:15  | -1.3 | 7:06                                                                                | 5:05 |    |
| 4    | Wed | 1:30  | 8.4 | 1:04  | 9.8 | 7:09  | 1.8 | 7:59  | -1.2 | 7:07                                                                                | 5:04 |    |
| 5    | Thu | 2:18  | 8.3 | 1:43  | 9.5 | 7:53  | 2.2 | 8:42  | -0.9 | 7:09                                                                                | 5:03 |    |
| 6    | Fri | 3:06  | 8.1 | 2:22  | 9.1 | 8:36  | 2.6 | 9:24  | -0.5 | 7:10                                                                                | 5:01 |    |
| 7    | Sat | 3:54  | 7.8 | 3:03  | 8.6 | 9:21  | 2.9 | 10:06 | 0.0  | 7:12                                                                                | 5:00 |    |
| 8    | Sun | 4:43  | 7.6 | 3:47  | 8.0 | 10:08 | 3.2 | 10:50 | 0.6  | 7:13                                                                                | 4:59 |    |
| 9    | Mon | 5:34  | 7.4 | 4:39  | 7.4 | 11:02 | 3.4 | 11:39 | 1.1  | 7:15                                                                                | 4:57 |    |
| 10   | Tue | 6:27  | 7.3 | 5:42  | 6.9 |       |     | 12:06 | 3.4  | 7:16                                                                                | 4:56 |    |
| 11   | Wed | 7:21  | 7.4 | 6:57  | 6.5 | 12:33 | 1.5 | 1:16  | 3.2  | 7:17                                                                                | 4:55 |    |
| 12   | Thu | 8:13  | 7.6 | 8:13  | 6.4 | 1:31  | 1.8 | 2:24  | 2.7  | 7:19                                                                                | 4:54 |   |
| 13   | Fri | 9:00  | 7.9 | 9:21  | 6.6 | 2:27  | 2.0 | 3:23  | 2.1  | 7:20                                                                                | 4:52 |  |
| 14   | Sat | 9:41  | 8.3 | 10:19 | 6.9 | 3:18  | 2.1 | 4:14  | 1.4  | 7:22                                                                                | 4:51 |  |
| 15   | Sun | 10:19 | 8.6 | 11:10 | 7.2 | 4:04  | 2.2 | 4:59  | 0.7  | 7:23                                                                                | 4:50 |  |
| 16   | Mon | 10:53 | 9.0 | 11:57 | 7.5 | 4:47  | 2.3 | 5:41  | 0.2  | 7:25                                                                                | 4:49 |  |
| 17   | Tue | 11:27 | 9.2 |       |     | 5:29  | 2.5 | 6:21  | -0.2 | 7:26                                                                                | 4:48 |  |
| 18   | Wed | 12:41 | 7.8 | 12:01 | 9.5 | 6:10  | 2.7 | 7:01  | -0.5 | 7:27                                                                                | 4:47 |  |
| 19   | Thu | 1:25  | 7.9 | 12:36 | 9.7 | 6:51  | 2.8 | 7:40  | -0.7 | 7:29                                                                                | 4:46 |  |
| 20   | Fri | 2:08  | 8.0 | 1:14  | 9.7 | 7:33  | 2.9 | 8:20  | -0.8 | 7:30                                                                                | 4:45 |  |
| 21   | Sat | 2:52  | 8.0 | 1:55  | 9.7 | 8:16  | 3.0 | 9:01  | -0.7 | 7:32                                                                                | 4:45 |  |
| 22   | Sun | 3:37  | 8.0 | 2:41  | 9.4 | 9:03  | 3.0 | 9:44  | -0.5 | 7:33                                                                                | 4:44 |  |
| 23   | Mon | 4:25  | 8.0 | 3:33  | 9.0 | 9:55  | 3.0 | 10:31 | -0.1 | 7:34                                                                                | 4:43 |  |
| 24   | Tue | 5:16  | 8.0 | 4:33  | 8.4 | 10:55 | 3.0 | 11:24 | 0.4  | 7:36                                                                                | 4:42 |  |
| 25   | Wed | 6:10  | 8.1 | 5:46  | 7.8 |       |     | 12:06 | 2.8  | 7:37                                                                                | 4:42 |  |
| 26   | Thu | 7:07  | 8.4 | 7:07  | 7.3 | 12:24 | 0.9 | 1:22  | 2.4  | 7:38                                                                                | 4:41 |  |
| 27   | Fri | 8:03  | 8.8 | 8:27  | 7.2 | 1:28  | 1.3 | 2:34  | 1.6  | 7:39                                                                                | 4:40 |  |
| 28   | Sat | 8:56  | 9.2 | 9:41  | 7.4 | 2:30  | 1.7 | 3:39  | 0.8  | 7:41                                                                                | 4:40 |  |
| 29   | Sun | 9:46  | 9.6 | 10:44 | 7.7 | 3:28  | 1.9 | 4:36  | 0.1  | 7:42                                                                                | 4:39 |  |
| 30   | Mon | 10:33 | 9.9 | 11:41 | 8.0 | 4:22  | 2.2 | 5:28  | -0.5 | 7:43                                                                                | 4:39 |  |