

## Astoria (Youngs Bay), OR - Feb 1889

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 2:06  | 8.9 | 1:30     | 9.9 | 7:43  | 2.5 | 8:23  | -0.9 | 7:37                                                                                | 5:21 |    |
| 2    | Sat | 2:47  | 9.0 | 2:18     | 9.5 | 8:31  | 2.2 | 9:01  | -0.5 | 7:36                                                                                | 5:22 |    |
| 3    | Sun | 3:26  | 9.0 | 3:05     | 8.9 | 9:18  | 2.1 | 9:37  | 0.1  | 7:34                                                                                | 5:24 |    |
| 4    | Mon | 4:03  | 8.9 | 3:53     | 8.2 | 10:04 | 2.0 | 10:11 | 0.8  | 7:33                                                                                | 5:25 |    |
| 5    | Tue | 4:40  | 8.7 | 4:45     | 7.5 | 10:53 | 2.0 | 10:47 | 1.5  | 7:32                                                                                | 5:27 |    |
| 6    | Wed | 5:17  | 8.6 | 5:43     | 6.8 | 11:46 | 2.1 | 11:26 | 2.3  | 7:30                                                                                | 5:28 |    |
| 7    | Thu | 5:57  | 8.4 | 6:52     | 6.4 |       |     | 12:47 | 2.1  | 7:29                                                                                | 5:30 |    |
| 8    | Fri | 6:42  | 8.2 | 8:09     | 6.2 | 12:14 | 3.1 | 1:55  | 2.0  | 7:28                                                                                | 5:31 |    |
| 9    | Sat | 7:34  | 8.2 | 9:24     | 6.4 | 1:15  | 3.7 | 3:01  | 1.7  | 7:26                                                                                | 5:33 |    |
| 10   | Sun | 8:31  | 8.2 | 10:27    | 6.8 | 2:23  | 4.0 | 4:00  | 1.2  | 7:25                                                                                | 5:34 |    |
| 11   | Mon | 9:28  | 8.4 | 11:19    | 7.2 | 3:29  | 4.1 | 4:50  | 0.8  | 7:23                                                                                | 5:36 |    |
| 12   | Tue | 10:19 | 8.6 |          |     | 4:27  | 3.9 | 5:34  | 0.4  | 7:22                                                                                | 5:37 |   |
| 13   | Wed | 12:03 | 7.6 | 11:06 AM | 8.9 | 5:18  | 3.6 | 6:15  | 0.0  | 7:20                                                                                | 5:39 |  |
| 14   | Thu | 12:41 | 7.9 | 11:50 AM | 9.1 | 6:04  | 3.3 | 6:52  | -0.2 | 7:18                                                                                | 5:40 |  |
| 15   | Fri | 1:17  | 8.1 | 12:31    | 9.2 | 6:48  | 2.9 | 7:26  | -0.4 | 7:17                                                                                | 5:41 |  |
| 16   | Sat | 1:50  | 8.3 | 1:12     | 9.3 | 7:29  | 2.5 | 8:00  | -0.4 | 7:15                                                                                | 5:43 |  |
| 17   | Sun | 2:21  | 8.5 | 1:54     | 9.1 | 8:09  | 2.1 | 8:32  | -0.2 | 7:14                                                                                | 5:44 |  |
| 18   | Mon | 2:51  | 8.7 | 2:38     | 8.9 | 8:49  | 1.7 | 9:04  | 0.1  | 7:12                                                                                | 5:46 |  |
| 19   | Tue | 3:22  | 8.9 | 3:25     | 8.4 | 9:31  | 1.4 | 9:39  | 0.6  | 7:10                                                                                | 5:47 |  |
| 20   | Wed | 3:56  | 9.1 | 4:19     | 7.8 | 10:18 | 1.2 | 10:16 | 1.3  | 7:09                                                                                | 5:49 |  |
| 21   | Thu | 4:34  | 9.2 | 5:23     | 7.2 | 11:13 | 1.2 | 11:01 | 2.1  | 7:07                                                                                | 5:50 |  |
| 22   | Fri | 5:20  | 9.2 | 6:39     | 6.7 |       |     | 12:20 | 1.2  | 7:05                                                                                | 5:52 |  |
| 23   | Sat | 6:17  | 9.1 | 8:05     | 6.5 |       |     | 1:39  | 1.0  | 7:03                                                                                | 5:53 |  |
| 24   | Sun | 7:24  | 9.0 | 9:27     | 6.8 | 1:14  | 3.5 | 2:57  | 0.7  | 7:02                                                                                | 5:55 |  |
| 25   | Mon | 8:37  | 9.0 | 10:34    | 7.3 | 2:36  | 3.7 | 4:05  | 0.2  | 7:00                                                                                | 5:56 |  |
| 26   | Tue | 9:46  | 9.2 | 11:28    | 7.9 | 3:50  | 3.4 | 5:03  | -0.3 | 6:58                                                                                | 5:57 |  |
| 27   | Wed | 10:48 | 9.4 |          |     | 4:54  | 3.0 | 5:53  | -0.6 | 6:56                                                                                | 5:59 |  |
| 28   | Thu | 12:15 | 8.3 | 11:44 AM | 9.5 | 5:51  | 2.4 | 6:38  | -0.7 | 6:55                                                                                | 6:00 |  |