

## Astoria (Youngs Bay), OR - Jun 1893

| Date |     | High  |      |       |      | Low   |      |       |     |  |      |    |
|------|-----|-------|------|-------|------|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 1:04  | 8.8  | 3:06  | 7.1  | 8:24  | -0.5 | 8:08  | 3.7 | 4:26                                                                                | 7:59 |    |
| 2    | Fri | 1:38  | 8.8  | 3:47  | 7.0  | 8:58  | -0.4 | 8:47  | 3.7 | 4:26                                                                                | 8:00 |    |
| 3    | Sat | 2:14  | 8.6  | 4:27  | 6.9  | 9:33  | -0.3 | 9:29  | 3.7 | 4:25                                                                                | 8:01 |    |
| 4    | Sun | 2:56  | 8.4  | 5:09  | 6.9  | 10:10 | -0.2 | 10:16 | 3.6 | 4:25                                                                                | 8:01 |    |
| 5    | Mon | 3:43  | 8.0  | 5:51  | 7.0  | 10:51 | 0.0  | 11:12 | 3.5 | 4:24                                                                                | 8:02 |    |
| 6    | Tue | 4:40  | 7.5  | 6:35  | 7.1  | 11:38 | 0.3  |       |     | 4:24                                                                                | 8:03 |    |
| 7    | Wed | 5:49  | 7.0  | 7:20  | 7.5  | 12:19 | 3.1  | 12:30 | 0.7 | 4:24                                                                                | 8:04 |    |
| 8    | Thu | 7:09  | 6.6  | 8:05  | 8.0  | 1:31  | 2.5  | 1:25  | 1.1 | 4:23                                                                                | 8:04 |    |
| 9    | Fri | 8:31  | 6.5  | 8:50  | 8.6  | 2:39  | 1.6  | 2:22  | 1.6 | 4:23                                                                                | 8:05 |    |
| 10   | Sat | 9:46  | 6.6  | 9:35  | 9.1  | 3:41  | 0.6  | 3:17  | 2.0 | 4:23                                                                                | 8:06 |    |
| 11   | Sun | 10:54 | 6.9  | 10:21 | 9.6  | 4:38  | -0.3 | 4:12  | 2.4 | 4:23                                                                                | 8:06 |    |
| 12   | Mon | 11:56 | 7.2  | 11:08 | 10.0 | 5:33  | -1.0 | 5:07  | 2.8 | 4:22                                                                                | 8:07 |    |
| 13   | Tue |       |      | 12:53 | 7.4  | 6:26  | -1.6 | 6:02  | 3.0 | 4:22                                                                                | 8:07 |   |
| 14   | Wed |       |      | 1:48  | 7.6  | 7:18  | -1.8 | 6:58  | 3.1 | 4:22                                                                                | 8:08 |  |
| 15   | Thu | 12:46 | 10.1 | 2:41  | 7.7  | 8:09  | -1.9 | 7:54  | 3.1 | 4:22                                                                                | 8:08 |  |
| 16   | Fri | 1:38  | 9.8  | 3:32  | 7.8  | 8:58  | -1.7 | 8:49  | 3.0 | 4:22                                                                                | 8:09 |  |
| 17   | Sat | 2:31  | 9.4  | 4:22  | 7.8  | 9:46  | -1.4 | 9:45  | 2.9 | 4:22                                                                                | 8:09 |  |
| 18   | Sun | 3:26  | 8.7  | 5:11  | 7.8  | 10:32 | -0.9 | 10:43 | 2.7 | 4:22                                                                                | 8:09 |  |
| 19   | Mon | 4:25  | 8.0  | 5:59  | 7.8  | 11:19 | -0.2 | 11:47 | 2.6 | 4:23                                                                                | 8:10 |  |
| 20   | Tue | 5:28  | 7.2  | 6:46  | 7.9  |       |      | 12:06 | 0.4 | 4:23                                                                                | 8:10 |  |
| 21   | Wed | 6:38  | 6.5  | 7:32  | 8.0  | 12:54 | 2.2  | 12:55 | 1.1 | 4:23                                                                                | 8:10 |  |
| 22   | Thu | 7:52  | 6.1  | 8:17  | 8.1  | 2:01  | 1.7  | 1:46  | 1.7 | 4:23                                                                                | 8:10 |  |
| 23   | Fri | 9:04  | 6.0  | 9:00  | 8.3  | 3:04  | 1.2  | 2:37  | 2.3 | 4:24                                                                                | 8:10 |  |
| 24   | Sat | 10:11 | 6.1  | 9:40  | 8.5  | 3:59  | 0.6  | 3:26  | 2.8 | 4:24                                                                                | 8:10 |  |
| 25   | Sun | 11:09 | 6.4  | 10:19 | 8.6  | 4:48  | 0.1  | 4:15  | 3.1 | 4:24                                                                                | 8:10 |  |
| 26   | Mon |       |      | 12:00 | 6.7  | 5:33  | -0.3 | 5:02  | 3.4 | 4:25                                                                                | 8:10 |  |
| 27   | Tue |       |      | 12:46 | 6.9  | 6:15  | -0.5 | 5:48  | 3.5 | 4:25                                                                                | 8:10 |  |
| 28   | Wed |       |      | 1:29  | 7.1  | 6:55  | -0.6 | 6:32  | 3.6 | 4:26                                                                                | 8:10 |  |
| 29   | Thu | 12:10 | 8.7  | 2:09  | 7.2  | 7:32  | -0.7 | 7:14  | 3.6 | 4:26                                                                                | 8:10 |  |
| 30   | Fri | 12:47 | 8.7  | 2:47  | 7.2  | 8:07  | -0.8 | 7:55  | 3.4 | 4:27                                                                                | 8:10 |  |