

## Astoria (Port Docks), OR - Jun 1893

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 1:09  | 8.2 | 3:11  | 6.5 | 8:35  | -0.6 | 8:19  | 3.6 | 4:26                                                                                | 7:59 |    |
| 2    | Fri | 1:43  | 8.2 | 3:52  | 6.4 | 9:09  | -0.5 | 8:58  | 3.6 | 4:26                                                                                | 8:00 |    |
| 3    | Sat | 2:19  | 8.0 | 4:32  | 6.4 | 9:44  | -0.4 | 9:40  | 3.6 | 4:25                                                                                | 8:01 |    |
| 4    | Sun | 3:01  | 7.8 | 5:14  | 6.3 | 10:21 | -0.3 | 10:27 | 3.5 | 4:25                                                                                | 8:02 |    |
| 5    | Mon | 3:48  | 7.4 | 5:56  | 6.4 | 11:02 | -0.1 | 11:23 | 3.4 | 4:24                                                                                | 8:02 |    |
| 6    | Tue | 4:45  | 6.9 | 6:40  | 6.6 | 11:49 | 0.2  |       |     | 4:24                                                                                | 8:03 |    |
| 7    | Wed | 5:54  | 6.4 | 7:25  | 6.9 | 12:30 | 3.0  | 12:41 | 0.6 | 4:24                                                                                | 8:04 |    |
| 8    | Thu | 7:14  | 6.0 | 8:10  | 7.4 | 1:42  | 2.4  | 1:36  | 1.0 | 4:23                                                                                | 8:04 |    |
| 9    | Fri | 8:36  | 5.9 | 8:55  | 8.0 | 2:50  | 1.5  | 2:33  | 1.5 | 4:23                                                                                | 8:05 |    |
| 10   | Sat | 9:51  | 6.0 | 9:40  | 8.5 | 3:52  | 0.5  | 3:28  | 1.9 | 4:23                                                                                | 8:06 |    |
| 11   | Sun | 10:59 | 6.3 | 10:26 | 9.0 | 4:49  | -0.4 | 4:23  | 2.3 | 4:23                                                                                | 8:06 |    |
| 12   | Mon |       |     | 12:01 | 6.6 | 5:44  | -1.1 | 5:18  | 2.7 | 4:22                                                                                | 8:07 |   |
| 13   | Tue |       |     | 12:58 | 6.8 | 6:37  | -1.7 | 6:13  | 2.9 | 4:22                                                                                | 8:07 |  |
| 14   | Wed | 12:01 | 9.5 | 1:53  | 7.0 | 7:29  | -1.9 | 7:09  | 3.0 | 4:22                                                                                | 8:08 |  |
| 15   | Thu | 12:51 | 9.5 | 2:46  | 7.1 | 8:20  | -2.0 | 8:05  | 3.0 | 4:22                                                                                | 8:08 |  |
| 16   | Fri | 1:43  | 9.2 | 3:37  | 7.2 | 9:09  | -1.8 | 9:00  | 2.9 | 4:22                                                                                | 8:09 |  |
| 17   | Sat | 2:36  | 8.8 | 4:27  | 7.2 | 9:57  | -1.5 | 9:56  | 2.8 | 4:22                                                                                | 8:09 |  |
| 18   | Sun | 3:31  | 8.1 | 5:16  | 7.2 | 10:43 | -1.0 | 10:54 | 2.6 | 4:23                                                                                | 8:09 |  |
| 19   | Mon | 4:30  | 7.4 | 6:04  | 7.2 | 11:30 | -0.3 | 11:58 | 2.5 | 4:23                                                                                | 8:10 |  |
| 20   | Tue | 5:33  | 6.6 | 6:51  | 7.3 |       |      | 12:17 | 0.3 | 4:23                                                                                | 8:10 |  |
| 21   | Wed | 6:43  | 5.9 | 7:37  | 7.4 | 1:05  | 2.1  | 1:06  | 1.0 | 4:23                                                                                | 8:10 |  |
| 22   | Thu | 7:57  | 5.5 | 8:22  | 7.6 | 2:12  | 1.6  | 1:57  | 1.6 | 4:23                                                                                | 8:10 |  |
| 23   | Fri | 9:09  | 5.4 | 9:05  | 7.7 | 3:15  | 1.1  | 2:48  | 2.2 | 4:24                                                                                | 8:10 |  |
| 24   | Sat | 10:16 | 5.6 | 9:45  | 7.9 | 4:10  | 0.5  | 3:37  | 2.7 | 4:24                                                                                | 8:11 |  |
| 25   | Sun | 11:14 | 5.8 | 10:24 | 8.0 | 4:59  | 0.0  | 4:26  | 3.0 | 4:24                                                                                | 8:11 |  |
| 26   | Mon |       |     | 12:05 | 6.1 | 5:44  | -0.4 | 5:13  | 3.3 | 4:25                                                                                | 8:11 |  |
| 27   | Tue |       |     | 12:51 | 6.4 | 6:26  | -0.6 | 5:59  | 3.4 | 4:25                                                                                | 8:11 |  |
| 28   | Wed |       |     | 1:34  | 6.5 | 7:06  | -0.7 | 6:43  | 3.5 | 4:26                                                                                | 8:10 |  |
| 29   | Thu | 12:15 | 8.1 | 2:14  | 6.6 | 7:43  | -0.8 | 7:25  | 3.5 | 4:26                                                                                | 8:10 |  |
| 30   | Fri | 12:52 | 8.1 | 2:52  | 6.6 | 8:18  | -0.9 | 8:06  | 3.3 | 4:27                                                                                | 8:10 |  |