

## Astoria (Port Docks), OR - May 1870

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |  |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Sun | 1:04  | 8.1 | 2:04  | 6.9 | 7:56  | -0.2 | 7:44  | 2.1 | 5:08                                                                                | 7:30 | ●                                                                                   |
| 2    | Mon | 1:29  | 8.2 | 2:44  | 6.8 | 8:29  | -0.2 | 8:16  | 2.5 | 5:06                                                                                | 7:31 | ●                                                                                   |
| 3    | Tue | 1:55  | 8.2 | 3:26  | 6.7 | 9:02  | -0.2 | 8:50  | 2.8 | 5:05                                                                                | 7:33 | ●                                                                                   |
| 4    | Wed | 2:24  | 8.2 | 4:09  | 6.5 | 9:36  | -0.2 | 9:26  | 3.1 | 5:03                                                                                | 7:34 | ●                                                                                   |
| 5    | Thu | 2:59  | 8.1 | 4:57  | 6.3 | 10:14 | 0.0  | 10:08 | 3.3 | 5:02                                                                                | 7:35 | ◐                                                                                   |
| 6    | Fri | 3:40  | 7.9 | 5:52  | 6.2 | 10:59 | 0.1  | 11:01 | 3.5 | 5:00                                                                                | 7:37 | ◐                                                                                   |
| 7    | Sat | 4:33  | 7.5 | 6:51  | 6.2 | 11:56 | 0.4  |       |     | 4:59                                                                                | 7:38 | ◐                                                                                   |
| 8    | Sun | 5:39  | 7.1 | 7:51  | 6.4 | 12:10 | 3.6  | 1:02  | 0.5 | 4:58                                                                                | 7:39 | ◐                                                                                   |
| 9    | Mon | 7:00  | 6.8 | 8:46  | 6.9 | 1:31  | 3.3  | 2:09  | 0.5 | 4:56                                                                                | 7:40 | ◐                                                                                   |
| 10   | Tue | 8:23  | 6.8 | 9:35  | 7.4 | 2:46  | 2.6  | 3:10  | 0.5 | 4:55                                                                                | 7:42 | ◐                                                                                   |
| 11   | Wed | 9:38  | 7.0 | 10:20 | 8.1 | 3:51  | 1.6  | 4:05  | 0.5 | 4:54                                                                                | 7:43 | ◐                                                                                   |
| 12   | Thu | 10:44 | 7.3 | 11:03 | 8.6 | 4:49  | 0.6  | 4:55  | 0.6 | 4:52                                                                                | 7:44 | ○                                                                                   |
| 13   | Fri | 11:44 | 7.5 | 11:45 | 9.1 | 5:42  | -0.3 | 5:44  | 0.9 | 4:51                                                                                | 7:45 | ○                                                                                   |
| 14   | Sat |       |     | 12:40 | 7.6 | 6:34  | -1.0 | 6:31  | 1.2 | 4:50                                                                                | 7:46 | ○                                                                                   |
| 15   | Sun | 12:26 | 9.4 | 1:35  | 7.7 | 7:24  | -1.5 | 7:19  | 1.6 | 4:49                                                                                | 7:48 | ○                                                                                   |
| 16   | Mon | 1:09  | 9.5 | 2:29  | 7.6 | 8:13  | -1.7 | 8:07  | 2.0 | 4:47                                                                                | 7:49 | ○                                                                                   |
| 17   | Tue | 1:52  | 9.3 | 3:23  | 7.4 | 9:01  | -1.6 | 8:56  | 2.4 | 4:46                                                                                | 7:50 | ○                                                                                   |
| 18   | Wed | 2:37  | 9.0 | 4:17  | 7.3 | 9:50  | -1.3 | 9:47  | 2.7 | 4:45                                                                                | 7:51 | ○                                                                                   |
| 19   | Thu | 3:25  | 8.5 | 5:13  | 7.1 | 10:39 | -0.8 | 10:42 | 3.0 | 4:44                                                                                | 7:52 | ○                                                                                   |
| 20   | Fri | 4:17  | 7.8 | 6:10  | 6.9 | 11:31 | -0.2 | 11:44 | 3.2 | 4:43                                                                                | 7:53 | ○                                                                                   |
| 21   | Sat | 5:17  | 7.1 | 7:07  | 6.9 |       |      | 12:27 | 0.3 | 4:42                                                                                | 7:55 | ○                                                                                   |
| 22   | Sun | 6:25  | 6.5 | 8:03  | 7.0 | 12:53 | 3.1  | 1:25  | 0.8 | 4:41                                                                                | 7:56 | ◐                                                                                   |
| 23   | Mon | 7:39  | 6.1 | 8:53  | 7.2 | 2:04  | 2.8  | 2:22  | 1.1 | 4:40                                                                                | 7:57 | ◐                                                                                   |
| 24   | Tue | 8:50  | 6.0 | 9:38  | 7.4 | 3:10  | 2.2  | 3:13  | 1.3 | 4:39                                                                                | 7:58 | ◐                                                                                   |
| 25   | Wed | 9:54  | 6.1 | 10:18 | 7.7 | 4:06  | 1.5  | 4:00  | 1.5 | 4:38                                                                                | 7:59 | ◐                                                                                   |
| 26   | Thu | 10:49 | 6.2 | 10:53 | 7.9 | 4:54  | 0.9  | 4:42  | 1.7 | 4:38                                                                                | 8:00 | ◐                                                                                   |
| 27   | Fri | 11:39 | 6.4 | 11:25 | 8.1 | 5:38  | 0.3  | 5:22  | 2.0 | 4:37                                                                                | 8:01 | ◐                                                                                   |
| 28   | Sat |       |     | 12:25 | 6.6 | 6:19  | -0.1 | 6:00  | 2.3 | 4:36                                                                                | 8:02 | ◐                                                                                   |
| 29   | Sun |       |     | 1:09  | 6.7 | 6:57  | -0.4 | 6:39  | 2.6 | 4:35                                                                                | 8:03 | ◐                                                                                   |
| 30   | Mon | 12:25 | 8.3 | 1:52  | 6.8 | 7:34  | -0.6 | 7:17  | 2.8 | 4:35                                                                                | 8:04 | ●                                                                                   |
| 31   | Tue | 12:55 | 8.3 | 2:34  | 6.8 | 8:10  | -0.7 | 7:55  | 3.0 | 4:34                                                                                | 8:05 | ●                                                                                   |