

## Astoria (Port Docks), OR - Jan 1880

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 3:42  | 7.7 | 2:54     | 8.2 | 9:26  | 2.9 | 9:45  | 0.1  | 8:05                                                                                | 4:47 |    |
| 2    | Fri | 4:14  | 7.9 | 3:41     | 7.7 | 10:10 | 2.7 | 10:18 | 0.5  | 8:05                                                                                | 4:48 |    |
| 3    | Sat | 4:48  | 8.1 | 4:37     | 7.0 | 11:00 | 2.4 | 10:56 | 1.2  | 8:05                                                                                | 4:49 |    |
| 4    | Sun | 5:27  | 8.3 | 5:46     | 6.4 |       |     | 12:01 | 2.2  | 8:05                                                                                | 4:50 |    |
| 5    | Mon | 6:13  | 8.6 | 7:10     | 5.9 |       |     | 1:14  | 1.8  | 8:05                                                                                | 4:51 |    |
| 6    | Tue | 7:06  | 8.8 | 8:39     | 5.9 | 12:40 | 2.7 | 2:30  | 1.2  | 8:05                                                                                | 4:52 |    |
| 7    | Wed | 8:06  | 9.0 | 10:00    | 6.2 | 1:50  | 3.3 | 3:41  | 0.5  | 8:04                                                                                | 4:53 |    |
| 8    | Thu | 9:09  | 9.3 | 11:07    | 6.7 | 3:05  | 3.7 | 4:44  | -0.2 | 8:04                                                                                | 4:54 |    |
| 9    | Fri | 10:10 | 9.6 |          |     | 4:15  | 3.7 | 5:41  | -0.7 | 8:04                                                                                | 4:55 |    |
| 10   | Sat | 12:03 | 7.3 | 11:08 AM | 9.8 | 5:19  | 3.5 | 6:32  | -1.1 | 8:03                                                                                | 4:56 |    |
| 11   | Sun | 12:53 | 7.7 | 12:03    | 9.9 | 6:18  | 3.2 | 7:20  | -1.3 | 8:03                                                                                | 4:57 |    |
| 12   | Mon | 1:39  | 8.1 | 12:55    | 9.7 | 7:13  | 2.8 | 8:03  | -1.3 | 8:02                                                                                | 4:59 |    |
| 13   | Tue | 2:22  | 8.3 | 1:45     | 9.4 | 8:05  | 2.4 | 8:44  | -1.0 | 8:02                                                                                | 5:00 |   |
| 14   | Wed | 3:03  | 8.5 | 2:33     | 8.9 | 8:54  | 2.2 | 9:21  | -0.5 | 8:01                                                                                | 5:01 |  |
| 15   | Thu | 3:42  | 8.5 | 3:22     | 8.2 | 9:43  | 2.0 | 9:57  | 0.1  | 8:01                                                                                | 5:02 |  |
| 16   | Fri | 4:20  | 8.5 | 4:13     | 7.4 | 10:32 | 1.9 | 10:32 | 0.9  | 8:00                                                                                | 5:04 |  |
| 17   | Sat | 4:57  | 8.4 | 5:08     | 6.7 | 11:23 | 1.9 | 11:07 | 1.7  | 8:00                                                                                | 5:05 |  |
| 18   | Sun | 5:35  | 8.3 | 6:10     | 6.0 |       |     | 12:20 | 2.0  | 7:59                                                                                | 5:06 |  |
| 19   | Mon | 6:17  | 8.1 | 7:23     | 5.6 |       |     | 1:25  | 1.9  | 7:58                                                                                | 5:08 |  |
| 20   | Tue | 7:04  | 8.0 | 8:42     | 5.6 | 12:38 | 3.3 | 2:33  | 1.7  | 7:57                                                                                | 5:09 |  |
| 21   | Wed | 7:57  | 7.9 | 9:55     | 5.9 | 1:42  | 3.9 | 3:37  | 1.4  | 7:57                                                                                | 5:11 |  |
| 22   | Thu | 8:54  | 8.0 | 10:54    | 6.3 | 2:51  | 4.2 | 4:33  | 1.0  | 7:56                                                                                | 5:12 |  |
| 23   | Fri | 9:48  | 8.1 | 11:43    | 6.7 | 3:55  | 4.2 | 5:20  | 0.5  | 7:55                                                                                | 5:13 |  |
| 24   | Sat | 10:38 | 8.3 |          |     | 4:51  | 4.0 | 6:02  | 0.2  | 7:54                                                                                | 5:15 |  |
| 25   | Sun | 12:24 | 7.1 | 11:23 AM | 8.5 | 5:41  | 3.7 | 6:40  | -0.1 | 7:53                                                                                | 5:16 |  |
| 26   | Mon | 1:01  | 7.4 | 12:05    | 8.6 | 6:27  | 3.4 | 7:15  | -0.3 | 7:52                                                                                | 5:18 |  |
| 27   | Tue | 1:35  | 7.6 | 12:46    | 8.7 | 7:10  | 3.0 | 7:48  | -0.4 | 7:51                                                                                | 5:19 |  |
| 28   | Wed | 2:06  | 7.8 | 1:26     | 8.6 | 7:50  | 2.6 | 8:19  | -0.3 | 7:50                                                                                | 5:21 |  |
| 29   | Thu | 2:35  | 8.0 | 2:07     | 8.4 | 8:30  | 2.2 | 8:49  | -0.1 | 7:49                                                                                | 5:22 |  |
| 30   | Fri | 3:04  | 8.3 | 2:50     | 8.1 | 9:10  | 1.8 | 9:19  | 0.3  | 7:48                                                                                | 5:24 |  |
| 31   | Sat | 3:33  | 8.5 | 3:38     | 7.6 | 9:52  | 1.5 | 9:51  | 0.8  | 7:46                                                                                | 5:25 |  |