

## Astoria (Port Docks), OR - Dec 1887

| Date |     | High  |     |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 1:52  | 7.3 | 12:56    | 8.8  | 7:20  | 3.1 | 8:09  | -0.4 | 7:37                                                                                | 4:31 |    |
| 2    | Fri | 2:32  | 7.4 | 1:29     | 8.8  | 7:59  | 3.2 | 8:44  | -0.4 | 7:39                                                                                | 4:31 |    |
| 3    | Sat | 3:13  | 7.3 | 2:05     | 8.8  | 8:38  | 3.3 | 9:20  | -0.4 | 7:40                                                                                | 4:30 |    |
| 4    | Sun | 3:55  | 7.3 | 2:46     | 8.6  | 9:19  | 3.4 | 9:58  | -0.2 | 7:41                                                                                | 4:30 |    |
| 5    | Mon | 4:39  | 7.3 | 3:34     | 8.2  | 10:07 | 3.4 | 10:42 | 0.1  | 7:42                                                                                | 4:30 |    |
| 6    | Tue | 5:26  | 7.3 | 4:31     | 7.7  | 11:04 | 3.4 | 11:32 | 0.5  | 7:43                                                                                | 4:30 |    |
| 7    | Wed | 6:18  | 7.4 | 5:42     | 7.1  |       |     | 12:13 | 3.2  | 7:44                                                                                | 4:29 |    |
| 8    | Thu | 7:13  | 7.7 | 7:04     | 6.7  | 12:31 | 0.9 | 1:29  | 2.7  | 7:45                                                                                | 4:29 |    |
| 9    | Fri | 8:07  | 8.1 | 8:28     | 6.7  | 1:36  | 1.3 | 2:42  | 2.0  | 7:46                                                                                | 4:29 |    |
| 10   | Sat | 9:00  | 8.6 | 9:44     | 6.9  | 2:39  | 1.6 | 3:48  | 1.0  | 7:47                                                                                | 4:29 |    |
| 11   | Sun | 9:50  | 9.2 | 10:50    | 7.2  | 3:39  | 1.8 | 4:46  | 0.1  | 7:48                                                                                | 4:29 |    |
| 12   | Mon | 10:38 | 9.6 | 11:49    | 7.6  | 4:34  | 2.0 | 5:39  | -0.6 | 7:49                                                                                | 4:29 |    |
| 13   | Tue | 11:24 | 9.9 |          |      | 5:27  | 2.2 | 6:30  | -1.1 | 7:50                                                                                | 4:29 |   |
| 14   | Wed | 12:43 | 7.9 | 12:09    | 10.0 | 6:19  | 2.4 | 7:18  | -1.3 | 7:50                                                                                | 4:29 |  |
| 15   | Thu | 1:34  | 8.0 | 12:54    | 9.9  | 7:10  | 2.6 | 8:04  | -1.3 | 7:51                                                                                | 4:30 |  |
| 16   | Fri | 2:24  | 8.1 | 1:38     | 9.6  | 7:59  | 2.8 | 8:48  | -1.1 | 7:52                                                                                | 4:30 |  |
| 17   | Sat | 3:12  | 8.1 | 2:23     | 9.1  | 8:48  | 2.9 | 9:31  | -0.7 | 7:53                                                                                | 4:30 |  |
| 18   | Sun | 3:58  | 8.0 | 3:09     | 8.5  | 9:36  | 3.0 | 10:11 | -0.1 | 7:53                                                                                | 4:31 |  |
| 19   | Mon | 4:44  | 7.8 | 3:57     | 7.9  | 10:26 | 3.2 | 10:52 | 0.5  | 7:54                                                                                | 4:31 |  |
| 20   | Tue | 5:30  | 7.7 | 4:50     | 7.1  | 11:20 | 3.2 | 11:35 | 1.1  | 7:54                                                                                | 4:31 |  |
| 21   | Wed | 6:17  | 7.6 | 5:52     | 6.5  |       |     | 12:21 | 3.2  | 7:55                                                                                | 4:32 |  |
| 22   | Thu | 7:05  | 7.6 | 7:04     | 6.0  | 12:23 | 1.7 | 1:28  | 3.0  | 7:55                                                                                | 4:32 |  |
| 23   | Fri | 7:53  | 7.7 | 8:19     | 5.9  | 1:15  | 2.2 | 2:35  | 2.5  | 7:56                                                                                | 4:33 |  |
| 24   | Sat | 8:40  | 7.8 | 9:29     | 6.0  | 2:11  | 2.6 | 3:34  | 1.9  | 7:56                                                                                | 4:33 |  |
| 25   | Sun | 9:24  | 8.1 | 10:31    | 6.3  | 3:06  | 2.9 | 4:26  | 1.3  | 7:57                                                                                | 4:34 |  |
| 26   | Mon | 10:06 | 8.4 | 11:24    | 6.7  | 3:58  | 3.1 | 5:13  | 0.7  | 7:57                                                                                | 4:35 |  |
| 27   | Tue | 10:44 | 8.6 |          |      | 4:47  | 3.3 | 5:55  | 0.3  | 7:57                                                                                | 4:36 |  |
| 28   | Wed | 12:11 | 7.0 | 11:22 AM | 8.8  | 5:33  | 3.4 | 6:36  | -0.1 | 7:57                                                                                | 4:36 |  |
| 29   | Thu | 12:55 | 7.3 | 11:59 AM | 9.0  | 6:18  | 3.4 | 7:15  | -0.4 | 7:58                                                                                | 4:37 |  |
| 30   | Fri | 1:36  | 7.5 | 12:36    | 9.1  | 7:02  | 3.4 | 7:52  | -0.6 | 7:58                                                                                | 4:38 |  |
| 31   | Sat | 2:16  | 7.7 | 1:15     | 9.2  | 7:44  | 3.3 | 8:30  | -0.7 | 7:58                                                                                | 4:39 |  |