

## Astoria (Port Docks), OR - Aug 1889

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 3:16  | 7.2 | 4:17  | 7.2 | 9:56  | -0.4 | 10:23 | 1.5 | 4:57                                                                                | 7:45 |    |
| 2    | Fri | 4:05  | 6.7 | 4:52  | 7.3 | 10:31 | 0.1  | 11:14 | 1.3 | 4:58                                                                                | 7:43 |    |
| 3    | Sat | 5:03  | 6.1 | 5:34  | 7.5 | 11:12 | 0.8  |       |     | 5:00                                                                                | 7:42 |    |
| 4    | Sun | 6:15  | 5.6 | 6:23  | 7.7 | 12:17 | 1.1  | 12:03 | 1.5 | 5:01                                                                                | 7:41 |    |
| 5    | Mon | 7:38  | 5.3 | 7:21  | 7.8 | 1:30  | 0.8  | 1:06  | 2.1 | 5:02                                                                                | 7:39 |    |
| 6    | Tue | 9:02  | 5.4 | 8:24  | 8.1 | 2:46  | 0.3  | 2:20  | 2.5 | 5:03                                                                                | 7:38 |    |
| 7    | Wed | 10:15 | 5.8 | 9:28  | 8.4 | 3:55  | -0.4 | 3:32  | 2.6 | 5:04                                                                                | 7:36 |    |
| 8    | Thu | 11:17 | 6.3 | 10:30 | 8.7 | 4:56  | -1.0 | 4:38  | 2.5 | 5:06                                                                                | 7:35 |    |
| 9    | Fri |       |     | 12:10 | 6.7 | 5:51  | -1.5 | 5:39  | 2.2 | 5:07                                                                                | 7:33 |    |
| 10   | Sat |       |     | 12:58 | 7.1 | 6:42  | -1.8 | 6:35  | 1.8 | 5:08                                                                                | 7:32 |    |
| 11   | Sun | 12:22 | 8.9 | 1:43  | 7.4 | 7:28  | -1.9 | 7:28  | 1.4 | 5:09                                                                                | 7:30 |    |
| 12   | Mon | 1:13  | 8.7 | 2:26  | 7.6 | 8:12  | -1.7 | 8:19  | 1.0 | 5:11                                                                                | 7:29 |   |
| 13   | Tue | 2:03  | 8.4 | 3:06  | 7.6 | 8:52  | -1.4 | 9:08  | 0.8 | 5:12                                                                                | 7:27 |  |
| 14   | Wed | 2:53  | 7.8 | 3:45  | 7.6 | 9:30  | -0.8 | 9:56  | 0.7 | 5:13                                                                                | 7:25 |  |
| 15   | Thu | 3:43  | 7.2 | 4:23  | 7.5 | 10:07 | -0.1 | 10:45 | 0.8 | 5:14                                                                                | 7:24 |  |
| 16   | Fri | 4:36  | 6.5 | 5:02  | 7.3 | 10:44 | 0.6  | 11:38 | 0.9 | 5:16                                                                                | 7:22 |  |
| 17   | Sat | 5:35  | 5.8 | 5:43  | 7.1 | 11:25 | 1.5  |       |     | 5:17                                                                                | 7:20 |  |
| 18   | Sun | 6:41  | 5.3 | 6:29  | 6.9 | 12:37 | 1.0  | 12:14 | 2.2 | 5:18                                                                                | 7:19 |  |
| 19   | Mon | 7:55  | 5.1 | 7:22  | 6.8 | 1:44  | 1.0  | 1:14  | 2.8 | 5:20                                                                                | 7:17 |  |
| 20   | Tue | 9:08  | 5.2 | 8:21  | 6.8 | 2:51  | 0.8  | 2:22  | 3.1 | 5:21                                                                                | 7:15 |  |
| 21   | Wed | 10:12 | 5.6 | 9:20  | 6.9 | 3:52  | 0.4  | 3:27  | 3.1 | 5:22                                                                                | 7:13 |  |
| 22   | Thu | 11:04 | 6.0 | 10:13 | 7.1 | 4:44  | 0.1  | 4:24  | 2.9 | 5:23                                                                                | 7:12 |  |
| 23   | Fri | 11:48 | 6.3 | 11:00 | 7.4 | 5:29  | -0.3 | 5:15  | 2.6 | 5:25                                                                                | 7:10 |  |
| 24   | Sat |       |     | 12:27 | 6.6 | 6:09  | -0.6 | 6:00  | 2.3 | 5:26                                                                                | 7:08 |  |
| 25   | Sun |       |     | 1:02  | 6.8 | 6:45  | -0.8 | 6:43  | 1.9 | 5:27                                                                                | 7:06 |  |
| 26   | Mon | 12:24 | 7.7 | 1:34  | 7.0 | 7:20  | -0.9 | 7:23  | 1.5 | 5:28                                                                                | 7:05 |  |
| 27   | Tue | 1:04  | 7.7 | 2:04  | 7.1 | 7:52  | -0.8 | 8:02  | 1.2 | 5:30                                                                                | 7:03 |  |
| 28   | Wed | 1:44  | 7.6 | 2:32  | 7.3 | 8:23  | -0.7 | 8:40  | 0.8 | 5:31                                                                                | 7:01 |  |
| 29   | Thu | 2:25  | 7.4 | 3:01  | 7.5 | 8:54  | -0.4 | 9:19  | 0.6 | 5:32                                                                                | 6:59 |  |
| 30   | Fri | 3:10  | 7.1 | 3:32  | 7.7 | 9:27  | 0.1  | 10:01 | 0.4 | 5:33                                                                                | 6:57 |  |
| 31   | Sat | 4:00  | 6.6 | 4:08  | 7.8 | 10:02 | 0.7  | 10:51 | 0.3 | 5:35                                                                                | 6:55 |  |