

## Astoria (Youngs Bay), OR - Apr 1880

| Date |     | High  |      |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|------|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 4:41  | 9.1  | 6:44  | 6.8 |       |      | 12:03 | 0.2 | 6:00                                                                                | 6:51 |    |
| 2    | Fri | 5:49  | 8.5  | 7:55  | 6.9 |       |      | 1:17  | 0.5 | 5:58                                                                                | 6:53 |    |
| 3    | Sat | 7:09  | 8.0  | 9:00  | 7.3 | 1:19  | 3.4  | 2:28  | 0.5 | 5:56                                                                                | 6:54 |    |
| 4    | Sun | 8:30  | 7.9  | 9:55  | 7.8 | 2:39  | 2.9  | 3:29  | 0.5 | 5:54                                                                                | 6:55 |    |
| 5    | Mon | 9:42  | 7.9  | 10:41 | 8.3 | 3:47  | 2.2  | 4:20  | 0.4 | 5:52                                                                                | 6:56 |    |
| 6    | Tue | 10:42 | 8.0  | 11:20 | 8.7 | 4:44  | 1.4  | 5:05  | 0.5 | 5:50                                                                                | 6:58 |    |
| 7    | Wed | 11:35 | 8.1  | 11:56 | 9.0 | 5:35  | 0.7  | 5:45  | 0.8 | 5:49                                                                                | 6:59 |    |
| 8    | Thu |       |      | 12:23 | 8.1 | 6:20  | 0.2  | 6:22  | 1.1 | 5:47                                                                                | 7:00 |    |
| 9    | Fri | 12:29 | 9.1  | 1:08  | 8.0 | 7:02  | -0.1 | 6:57  | 1.5 | 5:45                                                                                | 7:02 |    |
| 10   | Sat | 12:59 | 9.1  | 1:51  | 7.8 | 7:41  | -0.3 | 7:31  | 2.0 | 5:43                                                                                | 7:03 |    |
| 11   | Sun | 1:28  | 9.0  | 2:34  | 7.6 | 8:18  | -0.2 | 8:04  | 2.4 | 5:41                                                                                | 7:04 |    |
| 12   | Mon | 1:56  | 8.9  | 3:16  | 7.4 | 8:53  | -0.1 | 8:37  | 2.8 | 5:39                                                                                | 7:06 |   |
| 13   | Tue | 2:24  | 8.8  | 4:00  | 7.1 | 9:28  | 0.2  | 9:12  | 3.1 | 5:37                                                                                | 7:07 |  |
| 14   | Wed | 2:55  | 8.6  | 4:47  | 6.8 | 10:05 | 0.5  | 9:50  | 3.4 | 5:36                                                                                | 7:08 |  |
| 15   | Thu | 3:31  | 8.3  | 5:39  | 6.5 | 10:46 | 0.8  | 10:37 | 3.7 | 5:34                                                                                | 7:10 |  |
| 16   | Fri | 4:16  | 7.9  | 6:36  | 6.4 | 11:38 | 1.1  | 11:38 | 3.8 | 5:32                                                                                | 7:11 |  |
| 17   | Sat | 5:14  | 7.4  | 7:36  | 6.5 |       |      | 12:39 | 1.3 | 5:30                                                                                | 7:12 |  |
| 18   | Sun | 6:29  | 7.0  | 8:31  | 6.8 | 12:55 | 3.7  | 1:44  | 1.3 | 5:28                                                                                | 7:14 |  |
| 19   | Mon | 7:51  | 6.9  | 9:19  | 7.2 | 2:11  | 3.3  | 2:43  | 1.3 | 5:27                                                                                | 7:15 |  |
| 20   | Tue | 9:06  | 7.0  | 10:00 | 7.8 | 3:16  | 2.5  | 3:34  | 1.2 | 5:25                                                                                | 7:16 |  |
| 21   | Wed | 10:10 | 7.3  | 10:37 | 8.4 | 4:12  | 1.6  | 4:20  | 1.2 | 5:23                                                                                | 7:18 |  |
| 22   | Thu | 11:08 | 7.6  | 11:13 | 8.9 | 5:03  | 0.7  | 5:04  | 1.4 | 5:21                                                                                | 7:19 |  |
| 23   | Fri |       |      | 12:02 | 7.8 | 5:50  | -0.1 | 5:48  | 1.6 | 5:20                                                                                | 7:20 |  |
| 24   | Sat |       |      | 12:54 | 8.0 | 6:38  | -0.7 | 6:32  | 1.9 | 5:18                                                                                | 7:22 |  |
| 25   | Sun | 12:28 | 9.8  | 1:45  | 8.0 | 7:25  | -1.2 | 7:17  | 2.1 | 5:16                                                                                | 7:23 |  |
| 26   | Mon | 1:08  | 10.0 | 2:37  | 7.9 | 8:12  | -1.4 | 8:03  | 2.4 | 5:15                                                                                | 7:24 |  |
| 27   | Tue | 1:52  | 10.1 | 3:31  | 7.8 | 9:01  | -1.3 | 8:52  | 2.7 | 5:13                                                                                | 7:26 |  |
| 28   | Wed | 2:39  | 9.8  | 4:27  | 7.6 | 9:52  | -1.1 | 9:45  | 2.9 | 5:12                                                                                | 7:27 |  |
| 29   | Thu | 3:32  | 9.3  | 5:25  | 7.4 | 10:46 | -0.6 | 10:46 | 3.0 | 5:10                                                                                | 7:28 |  |
| 30   | Fri | 4:32  | 8.7  | 6:26  | 7.4 | 11:44 | -0.2 | 11:56 | 3.0 | 5:08                                                                                | 7:29 |  |