





















## Astoria (Youngs Bay), OR - Nov 2019

| Date |     | High  |      |          |      | Low   |     |          |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|----------|------|---|------|---|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM       | ft   | Rise  | Set  | Moon  |
| 1    | Fri | 5:16  | 7.7  | 4:23     | 8.8  | 10:39 | 2.9 | 11:31    | -0.1 | 7:56  | 6:01 |    |
| 2    | Sat | 6:12  | 7.3  | 5:10     | 8.1  | 11:30 | 3.4 |          |      | 7:57  | 6:00 |    |
| 3    | Sun | 6:12  | 7.1  | 5:06     | 7.5  | 12:23 | 0.5 | 11:31 AM | 3.7  | 6:59  | 4:58 |    |
| 4    | Mon | 7:14  | 7.1  | 6:16     | 7.0  | 12:22 | 1.0 | 12:43    | 3.8  | 7:00  | 4:57 |    |
| 5    | Tue | 8:14  | 7.2  | 7:34     | 6.7  | 1:26  | 1.3 | 1:57     | 3.5  | 7:02  | 4:55 |    |
| 6    | Wed | 9:06  | 7.5  | 8:47     | 6.7  | 2:26  | 1.4 | 3:03     | 2.9  | 7:03  | 4:54 |    |
| 7    | Thu | 9:50  | 7.9  | 9:49     | 7.0  | 3:18  | 1.4 | 3:57     | 2.2  | 7:04  | 4:53 |    |
| 8    | Fri | 10:27 | 8.2  | 10:42    | 7.2  | 4:02  | 1.5 | 4:44     | 1.5  | 7:06  | 4:51 |    |
| 9    | Sat | 11:00 | 8.5  | 11:29    | 7.5  | 4:42  | 1.5 | 5:26     | 0.8  | 7:07  | 4:50 |    |
| 10   | Sun | 11:30 | 8.8  |          |      | 5:19  | 1.7 | 6:05     | 0.3  | 7:09  | 4:49 |    |
| 11   | Mon | 12:13 | 7.6  | 11:59 AM | 9.0  | 5:56  | 2.0 | 6:43     | 0.0  | 7:10  | 4:48 |    |
| 12   | Tue | 12:56 | 7.7  | 12:26    | 9.2  | 6:31  | 2.3 | 7:19     | -0.3 | 7:12  | 4:46 |   |
| 13   | Wed | 1:38  | 7.8  | 12:54    | 9.3  | 7:07  | 2.6 | 7:55     | -0.5 | 7:13  | 4:45 |  |
| 14   | Thu | 2:21  | 7.8  | 1:25     | 9.4  | 7:43  | 2.9 | 8:32     | -0.5 | 7:14  | 4:44 |  |
| 15   | Fri | 3:05  | 7.7  | 2:00     | 9.4  | 8:22  | 3.2 | 9:11     | -0.4 | 7:16  | 4:43 |  |
| 16   | Sat | 3:52  | 7.5  | 2:41     | 9.3  | 9:03  | 3.4 | 9:54     | -0.3 | 7:17  | 4:42 |  |
| 17   | Sun | 4:43  | 7.4  | 3:29     | 8.9  | 9:52  | 3.6 | 10:44    | 0.0  | 7:19  | 4:41 |  |
| 18   | Mon | 5:39  | 7.4  | 4:28     | 8.4  | 10:53 | 3.7 | 11:43    | 0.4  | 7:20  | 4:40 |  |
| 19   | Tue | 6:39  | 7.5  | 5:43     | 7.9  |       |     | 12:09    | 3.6  | 7:21  | 4:39 |  |
| 20   | Wed | 7:39  | 7.8  | 7:09     | 7.5  | 12:50 | 0.7 | 1:31     | 3.2  | 7:23  | 4:38 |  |
| 21   | Thu | 8:34  | 8.3  | 8:33     | 7.5  | 1:57  | 0.9 | 2:45     | 2.3  | 7:24  | 4:37 |  |
| 22   | Fri | 9:25  | 8.8  | 9:46     | 7.7  | 2:57  | 1.0 | 3:49     | 1.3  | 7:25  | 4:37 |  |
| 23   | Sat | 10:11 | 9.4  | 10:50    | 8.0  | 3:52  | 1.2 | 4:45     | 0.3  | 7:27  | 4:36 |  |
| 24   | Sun | 10:53 | 9.9  | 11:47    | 8.2  | 4:42  | 1.4 | 5:37     | -0.4 | 7:28  | 4:35 |  |
| 25   | Mon | 11:35 | 10.2 |          |      | 5:30  | 1.7 | 6:25     | -1.0 | 7:29  | 4:34 |  |
| 26   | Tue | 12:40 | 8.4  | 12:15    | 10.3 | 6:17  | 2.1 | 7:12     | -1.2 | 7:31  | 4:34 |  |
| 27   | Wed | 1:32  | 8.4  | 12:54    | 10.2 | 7:02  | 2.5 | 7:56     | -1.1 | 7:32  | 4:33 |  |
| 28   | Thu | 2:21  | 8.4  | 1:34     | 9.9  | 7:48  | 2.9 | 8:39     | -0.9 | 7:33  | 4:32 |  |
| 29   | Fri | 3:10  | 8.2  | 2:13     | 9.5  | 8:33  | 3.2 | 9:21     | -0.5 | 7:34  | 4:32 |  |
| 30   | Sat | 3:58  | 8.1  | 2:54     | 9.0  | 9:19  | 3.5 | 10:02    | 0.0  | 7:36  | 4:31 |  |