

## Astoria (Youngs Bay), OR - Nov 1823

| Date |     | High  |     |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sat | 11:27 | 9.5 |          |      | 5:21  | 1.4 | 6:11  | -0.8 | 7:02                                                                                | 5:09 |    |
| 2    | Sun | 12:24 | 7.9 | 12:02    | 9.6  | 6:02  | 1.9 | 6:54  | -1.0 | 7:04                                                                                | 5:07 |    |
| 3    | Mon | 1:12  | 7.9 | 12:36    | 9.5  | 6:43  | 2.3 | 7:35  | -1.0 | 7:05                                                                                | 5:06 |    |
| 4    | Tue | 1:58  | 7.8 | 1:10     | 9.4  | 7:22  | 2.8 | 8:14  | -0.8 | 7:07                                                                                | 5:05 |    |
| 5    | Wed | 2:43  | 7.7 | 1:43     | 9.1  | 8:01  | 3.1 | 8:52  | -0.4 | 7:08                                                                                | 5:03 |    |
| 6    | Thu | 3:28  | 7.4 | 2:17     | 8.8  | 8:40  | 3.4 | 9:30  | 0.0  | 7:10                                                                                | 5:02 |    |
| 7    | Fri | 4:14  | 7.2 | 2:53     | 8.4  | 9:21  | 3.7 | 10:08 | 0.4  | 7:11                                                                                | 5:00 |    |
| 8    | Sat | 5:01  | 7.0 | 3:36     | 7.9  | 10:07 | 3.8 | 10:51 | 0.8  | 7:13                                                                                | 4:59 |    |
| 9    | Sun | 5:52  | 6.9 | 4:28     | 7.3  | 11:03 | 3.9 | 11:39 | 1.2  | 7:14                                                                                | 4:58 |    |
| 10   | Mon | 6:43  | 6.9 | 5:34     | 6.8  |       |     | 12:11 | 3.8  | 7:15                                                                                | 4:57 |    |
| 11   | Tue | 7:34  | 7.1 | 6:54     | 6.4  | 12:34 | 1.5 | 1:24  | 3.4  | 7:17                                                                                | 4:55 |    |
| 12   | Wed | 8:21  | 7.4 | 8:13     | 6.4  | 1:32  | 1.7 | 2:32  | 2.8  | 7:18                                                                                | 4:54 |   |
| 13   | Thu | 9:02  | 7.8 | 9:24     | 6.6  | 2:26  | 1.9 | 3:29  | 2.0  | 7:20                                                                                | 4:53 |  |
| 14   | Fri | 9:40  | 8.3 | 10:25    | 6.9  | 3:16  | 2.1 | 4:19  | 1.1  | 7:21                                                                                | 4:52 |  |
| 15   | Sat | 10:15 | 8.8 | 11:19    | 7.2  | 4:02  | 2.3 | 5:05  | 0.3  | 7:23                                                                                | 4:51 |  |
| 16   | Sun | 10:50 | 9.3 |          |      | 4:46  | 2.6 | 5:49  | -0.3 | 7:24                                                                                | 4:50 |  |
| 17   | Mon | 12:10 | 7.6 | 11:26 AM | 9.7  | 5:30  | 2.8 | 6:34  | -0.8 | 7:25                                                                                | 4:49 |  |
| 18   | Tue | 12:59 | 7.8 | 12:04    | 10.0 | 6:15  | 3.1 | 7:18  | -1.1 | 7:27                                                                                | 4:48 |  |
| 19   | Wed | 1:48  | 7.9 | 12:46    | 10.2 | 7:01  | 3.2 | 8:03  | -1.3 | 7:28                                                                                | 4:47 |  |
| 20   | Thu | 2:36  | 7.9 | 1:31     | 10.1 | 7:48  | 3.3 | 8:50  | -1.2 | 7:30                                                                                | 4:46 |  |
| 21   | Fri | 3:26  | 7.9 | 2:20     | 9.9  | 8:39  | 3.4 | 9:38  | -0.9 | 7:31                                                                                | 4:45 |  |
| 22   | Sat | 4:18  | 7.8 | 3:14     | 9.4  | 9:33  | 3.4 | 10:28 | -0.5 | 7:32                                                                                | 4:44 |  |
| 23   | Sun | 5:10  | 7.9 | 4:15     | 8.7  | 10:35 | 3.3 | 11:21 | 0.0  | 7:34                                                                                | 4:43 |  |
| 24   | Mon | 6:05  | 8.0 | 5:26     | 7.9  | 11:46 | 3.1 |       |      | 7:35                                                                                | 4:43 |  |
| 25   | Tue | 6:59  | 8.2 | 6:47     | 7.3  | 12:18 | 0.6 | 1:03  | 2.7  | 7:36                                                                                | 4:42 |  |
| 26   | Wed | 7:53  | 8.6 | 8:08     | 7.0  | 1:18  | 1.1 | 2:17  | 1.9  | 7:38                                                                                | 4:41 |  |
| 27   | Thu | 8:43  | 9.0 | 9:24     | 7.0  | 2:16  | 1.6 | 3:23  | 1.1  | 7:39                                                                                | 4:41 |  |
| 28   | Fri | 9:30  | 9.3 | 10:30    | 7.2  | 3:11  | 2.1 | 4:20  | 0.3  | 7:40                                                                                | 4:40 |  |
| 29   | Sat | 10:13 | 9.6 | 11:27    | 7.5  | 4:02  | 2.5 | 5:11  | -0.2 | 7:41                                                                                | 4:39 |  |
| 30   | Sun | 10:53 | 9.7 |          |      | 4:50  | 2.9 | 5:57  | -0.6 | 7:43                                                                                | 4:39 |  |