

## Astoria (Youngs Bay), OR - Jan 1863

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 10:04 | 9.2  | 11:37    | 7.5  | 3:56  | 3.7 | 5:16  | 0.4  | 8:05                                                                                | 4:47 |    |
| 2    | Fri | 10:47 | 9.3  |          |      | 4:48  | 3.8 | 5:59  | 0.1  | 8:05                                                                                | 4:48 |    |
| 3    | Sat | 12:21 | 7.8  | 11:28 AM | 9.3  | 5:35  | 3.7 | 6:37  | 0.0  | 8:05                                                                                | 4:49 |    |
| 4    | Sun | 1:02  | 8.0  | 12:06    | 9.3  | 6:19  | 3.6 | 7:13  | -0.1 | 8:05                                                                                | 4:50 |    |
| 5    | Mon | 1:39  | 8.1  | 12:42    | 9.2  | 7:01  | 3.5 | 7:46  | -0.1 | 8:05                                                                                | 4:51 |    |
| 6    | Tue | 2:14  | 8.2  | 1:18     | 9.1  | 7:41  | 3.3 | 8:16  | 0.0  | 8:04                                                                                | 4:52 |    |
| 7    | Wed | 2:45  | 8.3  | 1:54     | 8.9  | 8:19  | 3.1 | 8:45  | 0.1  | 8:04                                                                                | 4:53 |    |
| 8    | Thu | 3:15  | 8.4  | 2:32     | 8.7  | 8:56  | 2.9 | 9:13  | 0.3  | 8:04                                                                                | 4:54 |    |
| 9    | Fri | 3:44  | 8.5  | 3:13     | 8.3  | 9:35  | 2.7 | 9:42  | 0.7  | 8:04                                                                                | 4:55 |    |
| 10   | Sat | 4:14  | 8.7  | 4:00     | 7.8  | 10:18 | 2.5 | 10:15 | 1.2  | 8:03                                                                                | 4:56 |    |
| 11   | Sun | 4:48  | 8.8  | 4:58     | 7.2  | 11:09 | 2.4 | 10:54 | 1.8  | 8:03                                                                                | 4:58 |    |
| 12   | Mon | 5:29  | 9.0  | 6:11     | 6.6  |       |     | 12:13 | 2.2  | 8:02                                                                                | 4:59 |   |
| 13   | Tue | 6:18  | 9.2  | 7:38     | 6.4  |       |     | 1:27  | 1.8  | 8:02                                                                                | 5:00 |  |
| 14   | Wed | 7:16  | 9.3  | 9:04     | 6.5  | 12:49 | 3.2 | 2:42  | 1.2  | 8:01                                                                                | 5:01 |  |
| 15   | Thu | 8:20  | 9.6  | 10:17    | 7.0  | 2:05  | 3.6 | 3:50  | 0.5  | 8:01                                                                                | 5:03 |  |
| 16   | Fri | 9:25  | 9.9  | 11:18    | 7.6  | 3:20  | 3.7 | 4:50  | -0.2 | 8:00                                                                                | 5:04 |  |
| 17   | Sat | 10:26 | 10.2 |          |      | 4:28  | 3.5 | 5:44  | -0.7 | 7:59                                                                                | 5:05 |  |
| 18   | Sun | 12:10 | 8.1  | 11:23 AM | 10.5 | 5:30  | 3.2 | 6:33  | -1.1 | 7:59                                                                                | 5:07 |  |
| 19   | Mon | 12:57 | 8.6  | 12:18    | 10.5 | 6:27  | 2.7 | 7:19  | -1.3 | 7:58                                                                                | 5:08 |  |
| 20   | Tue | 1:42  | 9.0  | 1:10     | 10.3 | 7:21  | 2.2 | 8:02  | -1.2 | 7:57                                                                                | 5:09 |  |
| 21   | Wed | 2:24  | 9.3  | 2:01     | 10.0 | 8:13  | 1.9 | 8:43  | -0.8 | 7:56                                                                                | 5:11 |  |
| 22   | Thu | 3:05  | 9.4  | 2:51     | 9.4  | 9:03  | 1.6 | 9:21  | -0.2 | 7:56                                                                                | 5:12 |  |
| 23   | Fri | 3:46  | 9.5  | 3:43     | 8.6  | 9:53  | 1.5 | 9:59  | 0.5  | 7:55                                                                                | 5:14 |  |
| 24   | Sat | 4:25  | 9.4  | 4:37     | 7.9  | 10:44 | 1.5 | 10:38 | 1.3  | 7:54                                                                                | 5:15 |  |
| 25   | Sun | 5:06  | 9.2  | 5:38     | 7.1  | 11:40 | 1.7 | 11:20 | 2.2  | 7:53                                                                                | 5:16 |  |
| 26   | Mon | 5:50  | 9.0  | 6:47     | 6.6  |       |     | 12:43 | 1.8  | 7:52                                                                                | 5:18 |  |
| 27   | Tue | 6:39  | 8.7  | 8:03     | 6.4  | 12:10 | 3.0 | 1:52  | 1.7  | 7:51                                                                                | 5:19 |  |
| 28   | Wed | 7:34  | 8.6  | 9:18     | 6.5  | 1:12  | 3.7 | 3:00  | 1.5  | 7:50                                                                                | 5:21 |  |
| 29   | Thu | 8:33  | 8.5  | 10:22    | 6.9  | 2:20  | 4.0 | 4:00  | 1.1  | 7:48                                                                                | 5:22 |  |
| 30   | Fri | 9:30  | 8.6  | 11:14    | 7.3  | 3:26  | 4.0 | 4:51  | 0.8  | 7:47                                                                                | 5:24 |  |
| 31   | Sat | 10:22 | 8.7  | 11:57    | 7.7  | 4:24  | 3.9 | 5:34  | 0.5  | 7:46                                                                                | 5:25 |  |