

## Astoria (Youngs Bay), OR - Jan 1869

| Date |     | High  |     |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 3:27  | 8.8 | 2:41     | 10.0 | 8:59  | 2.8 | 9:39  | -0.8 | 8:05                                                                                | 4:47 |    |
| 2    | Sat | 4:12  | 8.9 | 3:35     | 9.4  | 9:53  | 2.7 | 10:24 | -0.3 | 8:05                                                                                | 4:48 |    |
| 3    | Sun | 4:59  | 8.9 | 4:35     | 8.6  | 10:51 | 2.6 | 11:12 | 0.3  | 8:05                                                                                | 4:49 |    |
| 4    | Mon | 5:49  | 9.0 | 5:44     | 7.9  | 11:57 | 2.4 |       |      | 8:05                                                                                | 4:50 |    |
| 5    | Tue | 6:41  | 9.1 | 7:00     | 7.3  | 12:05 | 1.1 | 1:09  | 2.1  | 8:04                                                                                | 4:51 |    |
| 6    | Wed | 7:35  | 9.2 | 8:20     | 7.0  | 1:04  | 1.8 | 2:21  | 1.6  | 8:04                                                                                | 4:52 |    |
| 7    | Thu | 8:30  | 9.4 | 9:35     | 7.1  | 2:06  | 2.4 | 3:28  | 1.0  | 8:04                                                                                | 4:54 |    |
| 8    | Fri | 9:23  | 9.5 | 10:41    | 7.5  | 3:07  | 2.8 | 4:27  | 0.4  | 8:04                                                                                | 4:55 |    |
| 9    | Sat | 10:13 | 9.7 | 11:37    | 7.8  | 4:05  | 3.1 | 5:19  | 0.0  | 8:03                                                                                | 4:56 |    |
| 10   | Sun | 10:59 | 9.7 |          |      | 4:59  | 3.2 | 6:06  | -0.3 | 8:03                                                                                | 4:57 |    |
| 11   | Mon | 12:27 | 8.1 | 11:42 AM | 9.7  | 5:48  | 3.3 | 6:48  | -0.4 | 8:03                                                                                | 4:58 |    |
| 12   | Tue | 1:11  | 8.3 | 12:22    | 9.6  | 6:35  | 3.3 | 7:27  | -0.3 | 8:02                                                                                | 4:59 |   |
| 13   | Wed | 1:52  | 8.4 | 1:01     | 9.4  | 7:18  | 3.3 | 8:02  | -0.2 | 8:02                                                                                | 5:01 |  |
| 14   | Thu | 2:30  | 8.4 | 1:38     | 9.2  | 7:59  | 3.2 | 8:34  | 0.0  | 8:01                                                                                | 5:02 |  |
| 15   | Fri | 3:05  | 8.3 | 2:15     | 8.9  | 8:39  | 3.2 | 9:04  | 0.2  | 8:00                                                                                | 5:03 |  |
| 16   | Sat | 3:38  | 8.3 | 2:52     | 8.5  | 9:17  | 3.1 | 9:33  | 0.6  | 8:00                                                                                | 5:05 |  |
| 17   | Sun | 4:10  | 8.2 | 3:32     | 8.0  | 9:56  | 3.0 | 10:02 | 0.9  | 7:59                                                                                | 5:06 |  |
| 18   | Mon | 4:42  | 8.2 | 4:17     | 7.5  | 10:40 | 3.0 | 10:35 | 1.4  | 7:58                                                                                | 5:07 |  |
| 19   | Tue | 5:15  | 8.2 | 5:12     | 6.9  | 11:30 | 2.9 | 11:13 | 2.0  | 7:58                                                                                | 5:09 |  |
| 20   | Wed | 5:54  | 8.3 | 6:22     | 6.5  |       |     | 12:32 | 2.7  | 7:57                                                                                | 5:10 |  |
| 21   | Thu | 6:39  | 8.4 | 7:45     | 6.3  | 12:02 | 2.6 | 1:42  | 2.4  | 7:56                                                                                | 5:11 |  |
| 22   | Fri | 7:31  | 8.6 | 9:06     | 6.4  | 1:03  | 3.2 | 2:51  | 1.8  | 7:55                                                                                | 5:13 |  |
| 23   | Sat | 8:27  | 8.9 | 10:16    | 6.8  | 2:13  | 3.5 | 3:52  | 1.1  | 7:54                                                                                | 5:14 |  |
| 24   | Sun | 9:24  | 9.3 | 11:14    | 7.4  | 3:21  | 3.7 | 4:47  | 0.4  | 7:53                                                                                | 5:16 |  |
| 25   | Mon | 10:20 | 9.7 |          |      | 4:23  | 3.6 | 5:38  | -0.3 | 7:52                                                                                | 5:17 |  |
| 26   | Tue | 12:05 | 7.9 | 11:12 AM | 10.1 | 5:20  | 3.4 | 6:25  | -0.8 | 7:51                                                                                | 5:19 |  |
| 27   | Wed | 12:51 | 8.3 | 12:04    | 10.3 | 6:15  | 3.0 | 7:11  | -1.2 | 7:50                                                                                | 5:20 |  |
| 28   | Thu | 1:35  | 8.7 | 12:55    | 10.4 | 7:07  | 2.6 | 7:55  | -1.3 | 7:49                                                                                | 5:22 |  |
| 29   | Fri | 2:18  | 9.0 | 1:45     | 10.3 | 7:58  | 2.2 | 8:37  | -1.2 | 7:48                                                                                | 5:23 |  |
| 30   | Sat | 3:00  | 9.2 | 2:37     | 9.9  | 8:48  | 1.9 | 9:19  | -0.8 | 7:47                                                                                | 5:25 |  |
| 31   | Sun | 3:42  | 9.3 | 3:31     | 9.3  | 9:40  | 1.6 | 10:00 | -0.2 | 7:45                                                                                | 5:26 |  |