

## Astoria (Youngs Bay), OR - Dec 1845

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 2:34  | 8.4  | 1:43     | 10.3 | 7:59  | 2.9 | 8:50  | -1.2 | 7:45                                                                                | 4:38 |    |
| 2    | Tue | 3:22  | 8.5  | 2:33     | 9.9  | 8:52  | 2.8 | 9:36  | -0.9 | 7:46                                                                                | 4:38 |    |
| 3    | Wed | 4:11  | 8.5  | 3:28     | 9.3  | 9:47  | 2.7 | 10:23 | -0.4 | 7:47                                                                                | 4:37 |    |
| 4    | Thu | 5:02  | 8.6  | 4:29     | 8.6  | 10:47 | 2.7 | 11:14 | 0.2  | 7:48                                                                                | 4:37 |    |
| 5    | Fri | 5:54  | 8.6  | 5:38     | 7.8  | 11:55 | 2.5 |       |      | 7:49                                                                                | 4:37 |    |
| 6    | Sat | 6:48  | 8.8  | 6:55     | 7.2  | 12:08 | 0.9 | 1:07  | 2.2  | 7:50                                                                                | 4:37 |    |
| 7    | Sun | 7:43  | 9.0  | 8:13     | 7.0  | 1:08  | 1.6 | 2:19  | 1.7  | 7:51                                                                                | 4:36 |    |
| 8    | Mon | 8:36  | 9.2  | 9:27     | 7.1  | 2:08  | 2.1 | 3:25  | 1.0  | 7:52                                                                                | 4:36 |    |
| 9    | Tue | 9:26  | 9.4  | 10:31    | 7.4  | 3:06  | 2.5 | 4:22  | 0.4  | 7:53                                                                                | 4:36 |    |
| 10   | Wed | 10:12 | 9.6  | 11:26    | 7.7  | 4:00  | 2.8 | 5:12  | -0.1 | 7:54                                                                                | 4:36 |    |
| 11   | Thu | 10:54 | 9.7  |          |      | 4:50  | 3.0 | 5:57  | -0.4 | 7:55                                                                                | 4:36 |    |
| 12   | Fri | 12:15 | 7.9  | 11:34 AM | 9.7  | 5:37  | 3.2 | 6:39  | -0.5 | 7:56                                                                                | 4:36 |   |
| 13   | Sat | 1:00  | 8.1  | 12:11    | 9.6  | 6:21  | 3.3 | 7:18  | -0.4 | 7:57                                                                                | 4:36 |  |
| 14   | Sun | 1:42  | 8.2  | 12:47    | 9.4  | 7:03  | 3.4 | 7:53  | -0.3 | 7:58                                                                                | 4:37 |  |
| 15   | Mon | 2:21  | 8.2  | 1:22     | 9.2  | 7:44  | 3.4 | 8:27  | -0.1 | 7:58                                                                                | 4:37 |  |
| 16   | Tue | 2:58  | 8.2  | 1:57     | 8.9  | 8:23  | 3.4 | 8:58  | 0.1  | 7:59                                                                                | 4:37 |  |
| 17   | Wed | 3:33  | 8.1  | 2:33     | 8.6  | 9:02  | 3.4 | 9:27  | 0.4  | 8:00                                                                                | 4:37 |  |
| 18   | Thu | 4:07  | 8.1  | 3:12     | 8.2  | 9:42  | 3.3 | 9:57  | 0.7  | 8:00                                                                                | 4:38 |  |
| 19   | Fri | 4:41  | 8.1  | 3:57     | 7.7  | 10:26 | 3.2 | 10:30 | 1.1  | 8:01                                                                                | 4:38 |  |
| 20   | Sat | 5:17  | 8.2  | 4:50     | 7.2  | 11:17 | 3.1 | 11:09 | 1.6  | 8:02                                                                                | 4:39 |  |
| 21   | Sun | 5:57  | 8.3  | 5:59     | 6.6  |       |     | 12:19 | 2.9  | 8:02                                                                                | 4:39 |  |
| 22   | Mon | 6:42  | 8.5  | 7:21     | 6.3  |       |     | 1:28  | 2.5  | 8:03                                                                                | 4:40 |  |
| 23   | Tue | 7:31  | 8.7  | 8:44     | 6.4  | 12:56 | 2.8 | 2:36  | 1.9  | 8:03                                                                                | 4:40 |  |
| 24   | Wed | 8:24  | 9.1  | 9:57     | 6.8  | 2:02  | 3.2 | 3:38  | 1.2  | 8:03                                                                                | 4:41 |  |
| 25   | Thu | 9:17  | 9.5  | 10:59    | 7.3  | 3:07  | 3.4 | 4:35  | 0.4  | 8:04                                                                                | 4:41 |  |
| 26   | Fri | 10:10 | 10.0 | 11:54    | 7.7  | 4:09  | 3.5 | 5:27  | -0.3 | 8:04                                                                                | 4:42 |  |
| 27   | Sat | 11:02 | 10.3 |          |      | 5:07  | 3.4 | 6:16  | -0.8 | 8:04                                                                                | 4:43 |  |
| 28   | Sun | 12:44 | 8.2  | 11:53 AM | 10.6 | 6:03  | 3.2 | 7:04  | -1.2 | 8:05                                                                                | 4:43 |  |
| 29   | Mon | 1:31  | 8.5  | 12:44    | 10.6 | 6:57  | 2.9 | 7:50  | -1.3 | 8:05                                                                                | 4:44 |  |
| 30   | Tue | 2:17  | 8.8  | 1:35     | 10.4 | 7:50  | 2.6 | 8:34  | -1.2 | 8:05                                                                                | 4:45 |  |
| 31   | Wed | 3:01  | 9.1  | 2:28     | 10.0 | 8:43  | 2.3 | 9:18  | -0.9 | 8:05                                                                                | 4:46 |  |