

## Astoria (Youngs Bay), OR - May 1833

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 11:01 | 8.2 | 11:27 | 9.2 | 5:01  | 0.7  | 5:14  | 0.4 | 5:08                                                                                | 7:30 |    |
| 2    | Thu | 11:57 | 8.3 |       |     | 5:53  | -0.1 | 5:58  | 0.7 | 5:06                                                                                | 7:31 |    |
| 3    | Fri | 12:06 | 9.5 | 12:49 | 8.3 | 6:41  | -0.6 | 6:41  | 1.1 | 5:05                                                                                | 7:32 |    |
| 4    | Sat | 12:43 | 9.6 | 1:39  | 8.1 | 7:27  | -0.9 | 7:23  | 1.6 | 5:03                                                                                | 7:34 |    |
| 5    | Sun | 1:20  | 9.5 | 2:29  | 8.0 | 8:10  | -0.9 | 8:04  | 2.1 | 5:02                                                                                | 7:35 |    |
| 6    | Mon | 1:55  | 9.3 | 3:17  | 7.7 | 8:52  | -0.8 | 8:44  | 2.6 | 5:00                                                                                | 7:36 |    |
| 7    | Tue | 2:30  | 9.0 | 4:06  | 7.5 | 9:33  | -0.4 | 9:26  | 3.0 | 4:59                                                                                | 7:38 |    |
| 8    | Wed | 3:07  | 8.6 | 4:57  | 7.2 | 10:15 | 0.0  | 10:11 | 3.4 | 4:58                                                                                | 7:39 |    |
| 9    | Thu | 3:47  | 8.1 | 5:51  | 7.0 | 10:59 | 0.4  | 11:03 | 3.7 | 4:56                                                                                | 7:40 |    |
| 10   | Fri | 4:35  | 7.6 | 6:47  | 6.9 | 11:50 | 0.9  |       |     | 4:55                                                                                | 7:41 |    |
| 11   | Sat | 5:35  | 7.0 | 7:43  | 6.9 | 12:07 | 3.8  | 12:47 | 1.2 | 4:53                                                                                | 7:43 |    |
| 12   | Sun | 6:48  | 6.6 | 8:36  | 7.2 | 1:18  | 3.6  | 1:46  | 1.4 | 4:52                                                                                | 7:44 |   |
| 13   | Mon | 8:05  | 6.5 | 9:22  | 7.5 | 2:27  | 3.1  | 2:41  | 1.4 | 4:51                                                                                | 7:45 |  |
| 14   | Tue | 9:14  | 6.6 | 10:02 | 7.8 | 3:27  | 2.5  | 3:30  | 1.4 | 4:50                                                                                | 7:46 |  |
| 15   | Wed | 10:13 | 6.8 | 10:37 | 8.2 | 4:19  | 1.7  | 4:14  | 1.5 | 4:49                                                                                | 7:47 |  |
| 16   | Thu | 11:06 | 7.1 | 11:09 | 8.6 | 5:05  | 1.0  | 4:56  | 1.6 | 4:47                                                                                | 7:49 |  |
| 17   | Fri | 11:56 | 7.3 | 11:41 | 8.9 | 5:48  | 0.4  | 5:36  | 1.9 | 4:46                                                                                | 7:50 |  |
| 18   | Sat |       |     | 12:43 | 7.5 | 6:30  | -0.2 | 6:16  | 2.1 | 4:45                                                                                | 7:51 |  |
| 19   | Sun | 12:13 | 9.2 | 1:30  | 7.6 | 7:11  | -0.6 | 6:57  | 2.4 | 4:44                                                                                | 7:52 |  |
| 20   | Mon | 12:47 | 9.4 | 2:17  | 7.6 | 7:52  | -0.9 | 7:39  | 2.7 | 4:43                                                                                | 7:53 |  |
| 21   | Tue | 1:24  | 9.5 | 3:05  | 7.6 | 8:34  | -1.1 | 8:23  | 2.9 | 4:42                                                                                | 7:54 |  |
| 22   | Wed | 2:04  | 9.5 | 3:55  | 7.5 | 9:18  | -1.1 | 9:10  | 3.0 | 4:41                                                                                | 7:55 |  |
| 23   | Thu | 2:50  | 9.3 | 4:48  | 7.5 | 10:05 | -0.9 | 10:03 | 3.2 | 4:40                                                                                | 7:57 |  |
| 24   | Fri | 3:43  | 8.9 | 5:44  | 7.4 | 10:57 | -0.6 | 11:06 | 3.2 | 4:39                                                                                | 7:58 |  |
| 25   | Sat | 4:45  | 8.4 | 6:42  | 7.6 | 11:56 | -0.2 |       |     | 4:38                                                                                | 7:59 |  |
| 26   | Sun | 5:58  | 7.8 | 7:39  | 7.8 | 12:19 | 3.0  | 12:58 | 0.2 | 4:38                                                                                | 8:00 |  |
| 27   | Mon | 7:19  | 7.3 | 8:34  | 8.2 | 1:36  | 2.5  | 2:00  | 0.5 | 4:37                                                                                | 8:01 |  |
| 28   | Tue | 8:38  | 7.2 | 9:24  | 8.7 | 2:48  | 1.8  | 2:58  | 0.7 | 4:36                                                                                | 8:02 |  |
| 29   | Wed | 9:49  | 7.3 | 10:10 | 9.1 | 3:51  | 0.9  | 3:51  | 1.0 | 4:35                                                                                | 8:03 |  |
| 30   | Thu | 10:52 | 7.4 | 10:52 | 9.4 | 4:47  | 0.1  | 4:40  | 1.3 | 4:35                                                                                | 8:04 |  |
| 31   | Fri | 11:48 | 7.6 | 11:32 | 9.5 | 5:38  | -0.5 | 5:27  | 1.7 | 4:34                                                                                | 8:05 |  |