

## Astoria (Youngs Bay), OR - Aug 1851

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 3:21  | 8.6 | 4:21  | 8.4 | 9:56  | -1.0 | 10:25 | 0.9  | 5:03                                                                                | 7:53 |    |
| 2    | Sat | 4:18  | 7.9 | 5:06  | 8.5 | 10:40 | -0.3 | 11:25 | 0.9  | 5:04                                                                                | 7:51 |    |
| 3    | Sun | 5:22  | 7.2 | 5:54  | 8.5 | 11:28 | 0.5  |       |      | 5:06                                                                                | 7:50 |    |
| 4    | Mon | 6:34  | 6.5 | 6:47  | 8.4 | 12:32 | 0.8  | 12:23 | 1.4  | 5:07                                                                                | 7:49 |    |
| 5    | Tue | 7:51  | 6.2 | 7:44  | 8.4 | 1:43  | 0.6  | 1:25  | 2.0  | 5:08                                                                                | 7:47 |    |
| 6    | Wed | 9:07  | 6.2 | 8:43  | 8.4 | 2:54  | 0.2  | 2:31  | 2.5  | 5:09                                                                                | 7:46 |    |
| 7    | Thu | 10:15 | 6.5 | 9:39  | 8.4 | 3:57  | -0.2 | 3:34  | 2.6  | 5:10                                                                                | 7:44 |    |
| 8    | Fri | 11:12 | 6.9 | 10:31 | 8.5 | 4:52  | -0.5 | 4:32  | 2.6  | 5:12                                                                                | 7:43 |    |
| 9    | Sat |       |     | 12:00 | 7.2 | 5:39  | -0.7 | 5:24  | 2.5  | 5:13                                                                                | 7:41 |    |
| 10   | Sun |       |     | 12:43 | 7.4 | 6:22  | -0.8 | 6:11  | 2.3  | 5:14                                                                                | 7:40 |    |
| 11   | Mon | 12:02 | 8.5 | 1:21  | 7.5 | 7:00  | -0.8 | 6:55  | 2.1  | 5:15                                                                                | 7:38 |    |
| 12   | Tue | 12:42 | 8.4 | 1:56  | 7.5 | 7:35  | -0.7 | 7:35  | 1.9  | 5:17                                                                                | 7:37 |   |
| 13   | Wed | 1:20  | 8.2 | 2:28  | 7.5 | 8:06  | -0.6 | 8:13  | 1.8  | 5:18                                                                                | 7:35 |  |
| 14   | Thu | 1:58  | 8.0 | 2:58  | 7.5 | 8:35  | -0.3 | 8:50  | 1.6  | 5:19                                                                                | 7:34 |  |
| 15   | Fri | 2:35  | 7.7 | 3:25  | 7.5 | 9:02  | 0.0  | 9:26  | 1.5  | 5:20                                                                                | 7:32 |  |
| 16   | Sat | 3:14  | 7.3 | 3:51  | 7.6 | 9:30  | 0.4  | 10:03 | 1.4  | 5:22                                                                                | 7:30 |  |
| 17   | Sun | 3:56  | 6.8 | 4:20  | 7.6 | 9:59  | 0.8  | 10:45 | 1.4  | 5:23                                                                                | 7:29 |  |
| 18   | Mon | 4:46  | 6.3 | 4:54  | 7.6 | 10:34 | 1.4  | 11:37 | 1.4  | 5:24                                                                                | 7:27 |  |
| 19   | Tue | 5:49  | 5.8 | 5:36  | 7.7 | 11:18 | 2.0  |       |      | 5:25                                                                                | 7:25 |  |
| 20   | Wed | 7:07  | 5.6 | 6:30  | 7.7 | 12:44 | 1.3  | 12:16 | 2.6  | 5:27                                                                                | 7:24 |  |
| 21   | Thu | 8:29  | 5.6 | 7:35  | 7.8 | 1:59  | 1.0  | 1:30  | 3.0  | 5:28                                                                                | 7:22 |  |
| 22   | Fri | 9:42  | 6.0 | 8:43  | 8.1 | 3:10  | 0.5  | 2:46  | 3.1  | 5:29                                                                                | 7:20 |  |
| 23   | Sat | 10:41 | 6.5 | 9:48  | 8.5 | 4:11  | -0.2 | 3:54  | 2.8  | 5:30                                                                                | 7:18 |  |
| 24   | Sun | 11:31 | 7.0 | 10:48 | 8.9 | 5:05  | -0.8 | 4:54  | 2.3  | 5:32                                                                                | 7:16 |  |
| 25   | Mon |       |     | 12:16 | 7.5 | 5:54  | -1.3 | 5:49  | 1.8  | 5:33                                                                                | 7:15 |  |
| 26   | Tue |       |     | 12:59 | 7.9 | 6:40  | -1.6 | 6:42  | 1.2  | 5:34                                                                                | 7:13 |  |
| 27   | Wed | 12:36 | 9.4 | 1:40  | 8.3 | 7:24  | -1.6 | 7:33  | 0.6  | 5:36                                                                                | 7:11 |  |
| 28   | Thu | 1:28  | 9.2 | 2:20  | 8.6 | 8:06  | -1.5 | 8:23  | 0.2  | 5:37                                                                                | 7:09 |  |
| 29   | Fri | 2:20  | 8.9 | 3:00  | 8.7 | 8:47  | -1.0 | 9:13  | -0.1 | 5:38                                                                                | 7:07 |  |
| 30   | Sat | 3:13  | 8.4 | 3:41  | 8.8 | 9:28  | -0.4 | 10:05 | -0.1 | 5:39                                                                                | 7:06 |  |
| 31   | Sun | 4:10  | 7.7 | 4:25  | 8.6 | 10:11 | 0.4  | 11:01 | 0.0  | 5:41                                                                                | 7:04 |  |