

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

| Date |     | High  |     |       |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 6:05  | 6.7 | 5:24  | 7.8 | 11:28 | 2.8 |       |      | 6:20                                                                                | 6:03 |    |
| 2    | Thu | 7:16  | 6.5 | 6:29  | 7.3 | 12:39 | 0.5 | 12:38 | 3.2  | 6:21                                                                                | 6:01 |    |
| 3    | Fri | 8:27  | 6.6 | 7:43  | 7.1 | 1:51  | 0.7 | 1:54  | 3.3  | 6:23                                                                                | 5:59 |    |
| 4    | Sat | 9:28  | 7.0 | 8:54  | 7.1 | 2:57  | 0.7 | 3:04  | 2.9  | 6:24                                                                                | 5:57 |    |
| 5    | Sun | 10:18 | 7.3 | 9:55  | 7.3 | 3:52  | 0.5 | 4:02  | 2.4  | 6:25                                                                                | 5:55 |    |
| 6    | Mon | 10:59 | 7.7 | 10:46 | 7.5 | 4:37  | 0.4 | 4:51  | 1.8  | 6:27                                                                                | 5:54 |    |
| 7    | Tue | 11:35 | 7.9 | 11:31 | 7.7 | 5:16  | 0.3 | 5:34  | 1.2  | 6:28                                                                                | 5:52 |    |
| 8    | Wed |       |     | 12:07 | 8.1 | 5:52  | 0.4 | 6:14  | 0.8  | 6:29                                                                                | 5:50 |    |
| 9    | Thu | 12:13 | 7.8 | 12:35 | 8.2 | 6:24  | 0.6 | 6:51  | 0.4  | 6:31                                                                                | 5:48 |    |
| 10   | Fri | 12:52 | 7.8 | 1:01  | 8.3 | 6:55  | 0.8 | 7:27  | 0.2  | 6:32                                                                                | 5:46 |    |
| 11   | Sat | 1:31  | 7.7 | 1:26  | 8.4 | 7:26  | 1.1 | 8:01  | 0.0  | 6:33                                                                                | 5:44 |    |
| 12   | Sun | 2:10  | 7.6 | 1:50  | 8.5 | 7:56  | 1.5 | 8:33  | -0.1 | 6:35                                                                                | 5:42 |   |
| 13   | Mon | 2:50  | 7.4 | 2:16  | 8.6 | 8:26  | 1.9 | 9:07  | -0.1 | 6:36                                                                                | 5:40 |  |
| 14   | Tue | 3:33  | 7.1 | 2:47  | 8.6 | 8:59  | 2.3 | 9:44  | 0.0  | 6:37                                                                                | 5:39 |  |
| 15   | Wed | 4:22  | 6.8 | 3:25  | 8.5 | 9:37  | 2.8 | 10:29 | 0.2  | 6:39                                                                                | 5:37 |  |
| 16   | Thu | 5:20  | 6.5 | 4:13  | 8.2 | 10:25 | 3.2 | 11:29 | 0.5  | 6:40                                                                                | 5:35 |  |
| 17   | Fri | 6:28  | 6.4 | 5:15  | 7.9 | 11:31 | 3.5 |       |      | 6:41                                                                                | 5:33 |  |
| 18   | Sat | 7:40  | 6.6 | 6:36  | 7.6 | 12:44 | 0.6 | 12:57 | 3.5  | 6:43                                                                                | 5:31 |  |
| 19   | Sun | 8:44  | 7.0 | 8:03  | 7.6 | 2:01  | 0.5 | 2:20  | 3.1  | 6:44                                                                                | 5:30 |  |
| 20   | Mon | 9:39  | 7.6 | 9:21  | 7.9 | 3:07  | 0.3 | 3:30  | 2.2  | 6:46                                                                                | 5:28 |  |
| 21   | Tue | 10:26 | 8.2 | 10:27 | 8.3 | 4:03  | 0.1 | 4:29  | 1.2  | 6:47                                                                                | 5:26 |  |
| 22   | Wed | 11:09 | 8.8 | 11:25 | 8.6 | 4:53  | 0.0 | 5:23  | 0.3  | 6:48                                                                                | 5:25 |  |
| 23   | Thu | 11:49 | 9.3 |       |     | 5:39  | 0.0 | 6:14  | -0.5 | 6:50                                                                                | 5:23 |  |
| 24   | Fri | 12:20 | 8.7 | 12:29 | 9.7 | 6:24  | 0.3 | 7:02  | -1.0 | 6:51                                                                                | 5:21 |  |
| 25   | Sat | 1:12  | 8.7 | 1:07  | 9.8 | 7:07  | 0.7 | 7:50  | -1.3 | 6:53                                                                                | 5:20 |  |
| 26   | Sun | 2:04  | 8.5 | 1:46  | 9.8 | 7:50  | 1.3 | 8:36  | -1.2 | 6:54                                                                                | 5:18 |  |
| 27   | Mon | 2:56  | 8.2 | 2:26  | 9.5 | 8:34  | 1.8 | 9:22  | -0.9 | 6:56                                                                                | 5:16 |  |
| 28   | Tue | 3:49  | 7.9 | 3:07  | 9.1 | 9:19  | 2.4 | 10:10 | -0.5 | 6:57                                                                                | 5:15 |  |
| 29   | Wed | 4:45  | 7.5 | 3:52  | 8.5 | 10:08 | 3.0 | 11:01 | 0.1  | 6:58                                                                                | 5:13 |  |
| 30   | Thu | 5:44  | 7.2 | 4:44  | 7.8 | 11:04 | 3.4 | 11:58 | 0.7  | 7:00                                                                                | 5:12 |  |
| 31   | Fri | 6:47  | 7.1 | 5:48  | 7.2 |       |     | 12:11 | 3.7  | 7:01                                                                                | 5:10 |  |