

## Astoria (Youngs Bay), OR - May 1820

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 1:56  | 9.4 | 3:54  | 7.0 | 9:11  | -0.6 | 8:55  | 3.5 | 5:08                                                                                | 7:30 |    |
| 2    | Tue | 2:36  | 9.3 | 4:48  | 6.8 | 9:56  | -0.5 | 9:42  | 3.7 | 5:06                                                                                | 7:31 |    |
| 3    | Wed | 3:24  | 9.1 | 5:46  | 6.7 | 10:49 | -0.2 | 10:41 | 3.8 | 5:04                                                                                | 7:33 |    |
| 4    | Thu | 4:23  | 8.6 | 6:47  | 6.8 | 11:50 | 0.0  | 11:56 | 3.7 | 5:03                                                                                | 7:34 |    |
| 5    | Fri | 5:35  | 8.0 | 7:47  | 7.1 |       |      | 12:56 | 0.3 | 5:02                                                                                | 7:35 |    |
| 6    | Sat | 6:58  | 7.6 | 8:41  | 7.6 | 1:20  | 3.3  | 2:01  | 0.4 | 5:00                                                                                | 7:36 |    |
| 7    | Sun | 8:21  | 7.4 | 9:29  | 8.2 | 2:36  | 2.4  | 2:58  | 0.5 | 4:59                                                                                | 7:38 |    |
| 8    | Mon | 9:36  | 7.5 | 10:12 | 8.8 | 3:42  | 1.4  | 3:50  | 0.7 | 4:57                                                                                | 7:39 |    |
| 9    | Tue | 10:41 | 7.6 | 10:52 | 9.3 | 4:40  | 0.4  | 4:37  | 1.1 | 4:56                                                                                | 7:40 |    |
| 10   | Wed | 11:40 | 7.7 | 11:31 | 9.6 | 5:32  | -0.5 | 5:23  | 1.5 | 4:55                                                                                | 7:42 |    |
| 11   | Thu |       |     | 12:35 | 7.8 | 6:21  | -1.0 | 6:08  | 2.0 | 4:53                                                                                | 7:43 |    |
| 12   | Fri | 12:09 | 9.8 | 1:27  | 7.8 | 7:08  | -1.3 | 6:52  | 2.5 | 4:52                                                                                | 7:44 |    |
| 13   | Sat | 12:46 | 9.7 | 2:18  | 7.7 | 7:54  | -1.3 | 7:36  | 2.9 | 4:51                                                                                | 7:45 |   |
| 14   | Sun | 1:24  | 9.5 | 3:08  | 7.5 | 8:38  | -1.0 | 8:20  | 3.3 | 4:50                                                                                | 7:46 |  |
| 15   | Mon | 2:03  | 9.1 | 3:57  | 7.3 | 9:21  | -0.7 | 9:05  | 3.5 | 4:48                                                                                | 7:48 |  |
| 16   | Tue | 2:43  | 8.7 | 4:47  | 7.1 | 10:04 | -0.2 | 9:52  | 3.7 | 4:47                                                                                | 7:49 |  |
| 17   | Wed | 3:26  | 8.1 | 5:38  | 6.9 | 10:48 | 0.3  | 10:45 | 3.8 | 4:46                                                                                | 7:50 |  |
| 18   | Thu | 4:16  | 7.5 | 6:30  | 6.9 | 11:36 | 0.7  | 11:48 | 3.8 | 4:45                                                                                | 7:51 |  |
| 19   | Fri | 5:17  | 6.9 | 7:20  | 6.9 |       |      | 12:27 | 1.1 | 4:44                                                                                | 7:52 |  |
| 20   | Sat | 6:29  | 6.4 | 8:08  | 7.2 | 12:58 | 3.5  | 1:20  | 1.4 | 4:43                                                                                | 7:53 |  |
| 21   | Sun | 7:47  | 6.2 | 8:50  | 7.5 | 2:08  | 3.0  | 2:12  | 1.6 | 4:42                                                                                | 7:55 |  |
| 22   | Mon | 8:59  | 6.1 | 9:28  | 7.8 | 3:09  | 2.2  | 2:59  | 1.9 | 4:41                                                                                | 7:56 |  |
| 23   | Tue | 10:03 | 6.3 | 10:02 | 8.2 | 4:01  | 1.5  | 3:44  | 2.1 | 4:40                                                                                | 7:57 |  |
| 24   | Wed | 11:00 | 6.5 | 10:35 | 8.6 | 4:48  | 0.7  | 4:26  | 2.4 | 4:39                                                                                | 7:58 |  |
| 25   | Thu | 11:51 | 6.8 | 11:07 | 8.9 | 5:32  | 0.1  | 5:08  | 2.8 | 4:38                                                                                | 7:59 |  |
| 26   | Fri |       |     | 12:40 | 7.0 | 6:14  | -0.4 | 5:51  | 3.1 | 4:37                                                                                | 8:00 |  |
| 27   | Sat |       |     | 1:28  | 7.2 | 6:55  | -0.8 | 6:34  | 3.4 | 4:37                                                                                | 8:01 |  |
| 28   | Sun | 12:17 | 9.4 | 2:15  | 7.3 | 7:37  | -1.0 | 7:18  | 3.5 | 4:36                                                                                | 8:02 |  |
| 29   | Mon | 12:57 | 9.5 | 3:02  | 7.3 | 8:20  | -1.2 | 8:04  | 3.6 | 4:35                                                                                | 8:03 |  |
| 30   | Tue | 1:40  | 9.5 | 3:49  | 7.3 | 9:04  | -1.2 | 8:53  | 3.5 | 4:34                                                                                | 8:04 |  |
| 31   | Wed | 2:28  | 9.3 | 4:37  | 7.3 | 9:50  | -1.0 | 9:46  | 3.4 | 4:34                                                                                | 8:05 |  |