

## Astoria (Youngs Bay), OR - Oct 1823

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 10:47 | 8.0 | 10:45 | 8.2 | 4:28  | -0.3 | 4:45  | 1.0  | 6:20                                                                                | 6:04 |    |
| 2    | Thu | 11:27 | 8.5 | 11:40 | 8.3 | 5:13  | -0.3 | 5:38  | 0.2  | 6:21                                                                                | 6:02 |    |
| 3    | Fri |       |     | 12:04 | 8.9 | 5:55  | -0.1 | 6:26  | -0.5 | 6:22                                                                                | 6:00 |    |
| 4    | Sat | 12:31 | 8.2 | 12:39 | 9.2 | 6:34  | 0.3  | 7:11  | -0.9 | 6:24                                                                                | 5:58 |    |
| 5    | Sun | 1:19  | 8.1 | 1:13  | 9.2 | 7:12  | 0.9  | 7:54  | -1.0 | 6:25                                                                                | 5:56 |    |
| 6    | Mon | 2:07  | 7.8 | 1:46  | 9.1 | 7:49  | 1.4  | 8:35  | -0.9 | 6:26                                                                                | 5:54 |    |
| 7    | Tue | 2:54  | 7.5 | 2:18  | 8.9 | 8:26  | 2.0  | 9:16  | -0.5 | 6:28                                                                                | 5:52 |    |
| 8    | Wed | 3:43  | 7.1 | 2:51  | 8.6 | 9:03  | 2.6  | 9:57  | -0.1 | 6:29                                                                                | 5:50 |    |
| 9    | Thu | 4:34  | 6.7 | 3:27  | 8.1 | 9:43  | 3.1  | 10:42 | 0.4  | 6:30                                                                                | 5:48 |    |
| 10   | Fri | 5:30  | 6.4 | 4:10  | 7.6 | 10:30 | 3.5  | 11:36 | 0.9  | 6:32                                                                                | 5:46 |    |
| 11   | Sat | 6:32  | 6.2 | 5:07  | 7.1 | 11:31 | 3.8  |       |      | 6:33                                                                                | 5:45 |    |
| 12   | Sun | 7:37  | 6.2 | 6:21  | 6.7 | 12:40 | 1.2  | 12:48 | 3.8  | 6:34                                                                                | 5:43 |   |
| 13   | Mon | 8:36  | 6.5 | 7:43  | 6.5 | 1:47  | 1.3  | 2:05  | 3.5  | 6:36                                                                                | 5:41 |  |
| 14   | Tue | 9:25  | 6.9 | 8:56  | 6.7 | 2:46  | 1.2  | 3:10  | 2.8  | 6:37                                                                                | 5:39 |  |
| 15   | Wed | 10:05 | 7.3 | 9:56  | 6.9 | 3:34  | 1.1  | 4:04  | 2.0  | 6:38                                                                                | 5:37 |  |
| 16   | Thu | 10:39 | 7.8 | 10:49 | 7.2 | 4:16  | 1.0  | 4:50  | 1.2  | 6:40                                                                                | 5:35 |  |
| 17   | Fri | 11:10 | 8.2 | 11:36 | 7.5 | 4:54  | 1.1  | 5:32  | 0.5  | 6:41                                                                                | 5:34 |  |
| 18   | Sat | 11:39 | 8.6 |       |     | 5:31  | 1.2  | 6:13  | -0.1 | 6:43                                                                                | 5:32 |  |
| 19   | Sun | 12:22 | 7.6 | 12:07 | 9.0 | 6:07  | 1.5  | 6:53  | -0.6 | 6:44                                                                                | 5:30 |  |
| 20   | Mon | 1:07  | 7.7 | 12:37 | 9.3 | 6:43  | 1.9  | 7:33  | -0.9 | 6:45                                                                                | 5:28 |  |
| 21   | Tue | 1:53  | 7.7 | 1:10  | 9.5 | 7:20  | 2.3  | 8:14  | -1.0 | 6:47                                                                                | 5:27 |  |
| 22   | Wed | 2:41  | 7.5 | 1:47  | 9.6 | 8:00  | 2.6  | 8:57  | -1.0 | 6:48                                                                                | 5:25 |  |
| 23   | Thu | 3:31  | 7.3 | 2:29  | 9.5 | 8:43  | 2.9  | 9:45  | -0.7 | 6:50                                                                                | 5:23 |  |
| 24   | Fri | 4:26  | 7.0 | 3:18  | 9.1 | 9:32  | 3.2  | 10:40 | -0.4 | 6:51                                                                                | 5:22 |  |
| 25   | Sat | 5:27  | 6.9 | 4:17  | 8.6 | 10:32 | 3.4  | 11:43 | 0.0  | 6:52                                                                                | 5:20 |  |
| 26   | Sun | 6:32  | 6.9 | 5:31  | 7.9 | 11:48 | 3.5  |       |      | 6:54                                                                                | 5:18 |  |
| 27   | Mon | 7:36  | 7.1 | 6:57  | 7.5 | 12:53 | 0.4  | 1:13  | 3.1  | 6:55                                                                                | 5:17 |  |
| 28   | Tue | 8:35  | 7.6 | 8:21  | 7.3 | 2:00  | 0.5  | 2:32  | 2.4  | 6:57                                                                                | 5:15 |  |
| 29   | Wed | 9:25  | 8.2 | 9:35  | 7.4 | 2:59  | 0.6  | 3:38  | 1.4  | 6:58                                                                                | 5:13 |  |
| 30   | Thu | 10:10 | 8.8 | 10:38 | 7.6 | 3:51  | 0.8  | 4:35  | 0.5  | 7:00                                                                                | 5:12 |  |
| 31   | Fri | 10:50 | 9.2 | 11:33 | 7.8 | 4:38  | 1.0  | 5:25  | -0.3 | 7:01                                                                                | 5:10 |  |