

## Astoria, OR - Aug 1857

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sat | 11:04 | 6.0 | 9:42  | 7.8 | 4:27  | 0.3  | 3:51     | 3.7 | 5:03                                                                                | 7:52 |    |
| 2    | Sun | 11:53 | 6.4 | 10:35 | 8.1 | 5:17  | -0.2 | 4:49     | 3.5 | 5:05                                                                                | 7:51 |    |
| 3    | Mon |       |     | 12:36 | 6.7 | 6:02  | -0.6 | 5:41     | 3.2 | 5:06                                                                                | 7:49 |    |
| 4    | Tue |       |     | 1:13  | 6.9 | 6:42  | -1.0 | 6:28     | 2.8 | 5:07                                                                                | 7:48 |    |
| 5    | Wed | 12:09 | 8.5 | 1:48  | 7.2 | 7:19  | -1.2 | 7:12     | 2.4 | 5:08                                                                                | 7:46 |    |
| 6    | Thu | 12:53 | 8.7 | 2:20  | 7.4 | 7:54  | -1.4 | 7:55     | 1.9 | 5:09                                                                                | 7:45 |    |
| 7    | Fri | 1:37  | 8.6 | 2:51  | 7.6 | 8:28  | -1.3 | 8:38     | 1.4 | 5:11                                                                                | 7:43 |    |
| 8    | Sat | 2:22  | 8.4 | 3:21  | 7.9 | 9:00  | -1.1 | 9:21     | 0.9 | 5:12                                                                                | 7:42 |    |
| 9    | Sun | 3:09  | 8.0 | 3:52  | 8.2 | 9:33  | -0.6 | 10:08    | 0.6 | 5:13                                                                                | 7:40 |    |
| 10   | Mon | 4:01  | 7.4 | 4:27  | 8.4 | 10:08 | 0.1  | 11:00    | 0.4 | 5:14                                                                                | 7:39 |    |
| 11   | Tue | 5:01  | 6.7 | 5:07  | 8.6 | 10:46 | 0.9  |          |     | 5:16                                                                                | 7:37 |    |
| 12   | Wed | 6:11  | 6.0 | 5:55  | 8.6 | 12:01 | 0.3  | 11:33 AM | 1.8 | 5:17                                                                                | 7:36 |   |
| 13   | Thu | 7:34  | 5.6 | 6:53  | 8.5 | 1:14  | 0.2  | 12:34    | 2.7 | 5:18                                                                                | 7:34 |  |
| 14   | Fri | 9:00  | 5.6 | 8:02  | 8.4 | 2:33  | 0.0  | 1:53     | 3.2 | 5:19                                                                                | 7:33 |  |
| 15   | Sat | 10:17 | 6.0 | 9:15  | 8.4 | 3:47  | -0.4 | 3:14     | 3.3 | 5:21                                                                                | 7:31 |  |
| 16   | Sun | 11:18 | 6.5 | 10:22 | 8.6 | 4:51  | -0.8 | 4:26     | 3.0 | 5:22                                                                                | 7:29 |  |
| 17   | Mon |       |     | 12:08 | 7.0 | 5:45  | -1.2 | 5:27     | 2.5 | 5:23                                                                                | 7:28 |  |
| 18   | Tue |       |     | 12:51 | 7.4 | 6:32  | -1.4 | 6:21     | 2.0 | 5:24                                                                                | 7:26 |  |
| 19   | Wed | 12:14 | 8.7 | 1:30  | 7.6 | 7:13  | -1.4 | 7:10     | 1.5 | 5:26                                                                                | 7:24 |  |
| 20   | Thu | 1:01  | 8.5 | 2:06  | 7.8 | 7:50  | -1.2 | 7:56     | 1.1 | 5:27                                                                                | 7:22 |  |
| 21   | Fri | 1:46  | 8.2 | 2:38  | 7.8 | 8:24  | -0.8 | 8:38     | 0.8 | 5:28                                                                                | 7:21 |  |
| 22   | Sat | 2:30  | 7.8 | 3:08  | 7.9 | 8:54  | -0.3 | 9:18     | 0.7 | 5:30                                                                                | 7:19 |  |
| 23   | Sun | 3:13  | 7.2 | 3:36  | 7.8 | 9:22  | 0.3  | 9:57     | 0.6 | 5:31                                                                                | 7:17 |  |
| 24   | Mon | 3:57  | 6.7 | 4:02  | 7.8 | 9:50  | 1.0  | 10:37    | 0.7 | 5:32                                                                                | 7:15 |  |
| 25   | Tue | 4:46  | 6.1 | 4:30  | 7.7 | 10:19 | 1.7  | 11:22    | 0.8 | 5:33                                                                                | 7:13 |  |
| 26   | Wed | 5:44  | 5.6 | 5:03  | 7.6 | 10:53 | 2.5  |          |     | 5:35                                                                                | 7:12 |  |
| 27   | Thu | 6:55  | 5.3 | 5:46  | 7.3 | 12:18 | 1.0  | 11:39 AM | 3.2 | 5:36                                                                                | 7:10 |  |
| 28   | Fri | 8:18  | 5.2 | 6:45  | 7.2 | 1:29  | 1.1  | 12:48    | 3.7 | 5:37                                                                                | 7:08 |  |
| 29   | Sat | 9:35  | 5.5 | 7:58  | 7.1 | 2:45  | 0.9  | 2:14     | 3.9 | 5:38                                                                                | 7:06 |  |
| 30   | Sun | 10:35 | 5.9 | 9:11  | 7.3 | 3:51  | 0.5  | 3:29     | 3.6 | 5:40                                                                                | 7:04 |  |
| 31   | Mon | 11:21 | 6.4 | 10:13 | 7.7 | 4:44  | 0.0  | 4:29     | 3.2 | 5:41                                                                                | 7:02 |  |