

## Astoria, OR - May 1887

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sun | 6:41  | 7.6 | 8:33  | 7.3 | 1:02  | 3.2  | 1:51  | 0.5 | 5:01                                                                                | 7:23 |    |
| 2    | Mon | 8:05  | 7.5 | 9:28  | 7.8 | 2:22  | 2.7  | 2:57  | 0.4 | 4:59                                                                                | 7:24 |    |
| 3    | Tue | 9:23  | 7.6 | 10:17 | 8.4 | 3:32  | 1.9  | 3:55  | 0.4 | 4:57                                                                                | 7:25 |    |
| 4    | Wed | 10:31 | 7.9 | 11:03 | 9.0 | 4:33  | 1.0  | 4:47  | 0.4 | 4:56                                                                                | 7:26 |    |
| 5    | Thu | 11:32 | 8.1 | 11:46 | 9.4 | 5:29  | 0.1  | 5:37  | 0.5 | 4:55                                                                                | 7:28 |    |
| 6    | Fri |       |     | 12:28 | 8.3 | 6:21  | -0.7 | 6:24  | 0.8 | 4:53                                                                                | 7:29 |    |
| 7    | Sat | 12:28 | 9.7 | 1:22  | 8.3 | 7:11  | -1.2 | 7:11  | 1.1 | 4:52                                                                                | 7:30 |    |
| 8    | Sun | 1:09  | 9.8 | 2:15  | 8.2 | 7:59  | -1.4 | 7:57  | 1.5 | 4:50                                                                                | 7:32 |    |
| 9    | Mon | 1:50  | 9.7 | 3:06  | 8.1 | 8:46  | -1.4 | 8:43  | 2.0 | 4:49                                                                                | 7:33 |    |
| 10   | Tue | 2:32  | 9.4 | 3:59  | 7.8 | 9:32  | -1.1 | 9:30  | 2.4 | 4:48                                                                                | 7:34 |    |
| 11   | Wed | 3:15  | 9.0 | 4:51  | 7.6 | 10:18 | -0.7 | 10:19 | 2.8 | 4:46                                                                                | 7:35 |    |
| 12   | Thu | 4:01  | 8.4 | 5:46  | 7.4 | 11:06 | -0.1 | 11:13 | 3.1 | 4:45                                                                                | 7:37 |    |
| 13   | Fri | 4:52  | 7.7 | 6:42  | 7.2 | 11:57 | 0.4  |       |     | 4:44                                                                                | 7:38 |   |
| 14   | Sat | 5:52  | 7.1 | 7:39  | 7.2 | 12:15 | 3.2  | 12:53 | 0.8 | 4:42                                                                                | 7:39 |  |
| 15   | Sun | 7:02  | 6.7 | 8:33  | 7.3 | 1:25  | 3.1  | 1:51  | 1.2 | 4:41                                                                                | 7:40 |  |
| 16   | Mon | 8:15  | 6.5 | 9:21  | 7.6 | 2:33  | 2.7  | 2:46  | 1.3 | 4:40                                                                                | 7:41 |  |
| 17   | Tue | 9:23  | 6.5 | 10:04 | 7.9 | 3:34  | 2.1  | 3:36  | 1.5 | 4:39                                                                                | 7:43 |  |
| 18   | Wed | 10:22 | 6.7 | 10:42 | 8.2 | 4:26  | 1.5  | 4:21  | 1.6 | 4:38                                                                                | 7:44 |  |
| 19   | Thu | 11:14 | 6.9 | 11:16 | 8.4 | 5:12  | 0.8  | 5:03  | 1.7 | 4:37                                                                                | 7:45 |  |
| 20   | Fri |       |     | 12:02 | 7.1 | 5:55  | 0.3  | 5:42  | 1.9 | 4:36                                                                                | 7:46 |  |
| 21   | Sat |       |     | 12:47 | 7.3 | 6:35  | -0.1 | 6:21  | 2.1 | 4:35                                                                                | 7:47 |  |
| 22   | Sun | 12:19 | 8.8 | 1:31  | 7.4 | 7:14  | -0.4 | 7:00  | 2.4 | 4:34                                                                                | 7:48 |  |
| 23   | Mon | 12:49 | 8.9 | 2:13  | 7.4 | 7:52  | -0.6 | 7:39  | 2.6 | 4:33                                                                                | 7:49 |  |
| 24   | Tue | 1:21  | 9.0 | 2:56  | 7.4 | 8:29  | -0.8 | 8:18  | 2.7 | 4:32                                                                                | 7:50 |  |
| 25   | Wed | 1:57  | 9.0 | 3:40  | 7.4 | 9:06  | -0.8 | 9:00  | 2.8 | 4:31                                                                                | 7:52 |  |
| 26   | Thu | 2:36  | 9.0 | 4:25  | 7.4 | 9:46  | -0.8 | 9:45  | 2.9 | 4:30                                                                                | 7:53 |  |
| 27   | Fri | 3:21  | 8.8 | 5:14  | 7.3 | 10:29 | -0.6 | 10:37 | 3.0 | 4:29                                                                                | 7:54 |  |
| 28   | Sat | 4:13  | 8.4 | 6:06  | 7.4 | 11:18 | -0.3 | 11:39 | 2.9 | 4:29                                                                                | 7:55 |  |
| 29   | Sun | 5:16  | 7.8 | 7:01  | 7.5 |       |      | 12:15 | 0.0 | 4:28                                                                                | 7:56 |  |
| 30   | Mon | 6:31  | 7.4 | 7:56  | 7.9 | 12:52 | 2.6  | 1:17  | 0.4 | 4:27                                                                                | 7:56 |  |
| 31   | Tue | 7:52  | 7.1 | 8:50  | 8.3 | 2:07  | 2.1  | 2:19  | 0.6 | 4:27                                                                                | 7:57 |  |