

## Astoria, OR - Nov 1886

| Date |     | High  |      |       |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|-------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 5:07  | 7.4  | 4:14  | 8.0  | 10:34 | 3.0 | 11:19 | 0.4  | 6:56                                                                                | 5:00 |    |
| 2    | Tue | 6:03  | 7.1  | 5:07  | 7.4  | 11:31 | 3.3 |       |      | 6:58                                                                                | 4:59 |    |
| 3    | Wed | 7:02  | 7.0  | 6:13  | 6.9  | 12:13 | 0.9 | 12:37 | 3.4  | 6:59                                                                                | 4:57 |    |
| 4    | Thu | 8:01  | 7.1  | 7:27  | 6.5  | 1:14  | 1.3 | 1:49  | 3.2  | 7:00                                                                                | 4:56 |    |
| 5    | Fri | 8:55  | 7.4  | 8:41  | 6.5  | 2:14  | 1.5 | 2:56  | 2.7  | 7:02                                                                                | 4:55 |    |
| 6    | Sat | 9:41  | 7.7  | 9:45  | 6.7  | 3:09  | 1.5 | 3:53  | 2.1  | 7:03                                                                                | 4:53 |    |
| 7    | Sun | 10:22 | 8.1  | 10:40 | 7.0  | 3:57  | 1.5 | 4:42  | 1.4  | 7:05                                                                                | 4:52 |    |
| 8    | Mon | 10:58 | 8.4  | 11:29 | 7.3  | 4:40  | 1.6 | 5:26  | 0.8  | 7:06                                                                                | 4:51 |    |
| 9    | Tue | 11:30 | 8.7  |       |      | 5:20  | 1.7 | 6:07  | 0.3  | 7:08                                                                                | 4:49 |    |
| 10   | Wed | 12:14 | 7.6  | 12:01 | 8.9  | 5:58  | 1.8 | 6:45  | -0.1 | 7:09                                                                                | 4:48 |    |
| 11   | Thu | 12:57 | 7.7  | 12:31 | 9.1  | 6:36  | 2.0 | 7:23  | -0.4 | 7:11                                                                                | 4:47 |    |
| 12   | Fri | 1:40  | 7.8  | 1:02  | 9.3  | 7:14  | 2.3 | 8:01  | -0.6 | 7:12                                                                                | 4:46 |   |
| 13   | Sat | 2:22  | 7.8  | 1:35  | 9.4  | 7:52  | 2.5 | 8:39  | -0.7 | 7:13                                                                                | 4:45 |  |
| 14   | Sun | 3:06  | 7.8  | 2:12  | 9.4  | 8:32  | 2.7 | 9:18  | -0.7 | 7:15                                                                                | 4:44 |  |
| 15   | Mon | 3:52  | 7.7  | 2:54  | 9.2  | 9:15  | 2.9 | 10:01 | -0.5 | 7:16                                                                                | 4:43 |  |
| 16   | Tue | 4:42  | 7.6  | 3:42  | 8.8  | 10:05 | 3.1 | 10:49 | -0.2 | 7:18                                                                                | 4:41 |  |
| 17   | Wed | 5:36  | 7.6  | 4:41  | 8.3  | 11:04 | 3.2 | 11:46 | 0.2  | 7:19                                                                                | 4:40 |  |
| 18   | Thu | 6:34  | 7.6  | 5:53  | 7.8  |       |     | 12:16 | 3.1  | 7:20                                                                                | 4:40 |  |
| 19   | Fri | 7:34  | 7.9  | 7:16  | 7.4  | 12:51 | 0.6 | 1:35  | 2.7  | 7:22                                                                                | 4:39 |  |
| 20   | Sat | 8:32  | 8.3  | 8:39  | 7.3  | 1:57  | 0.9 | 2:49  | 2.0  | 7:23                                                                                | 4:38 |  |
| 21   | Sun | 9:25  | 8.8  | 9:52  | 7.5  | 3:00  | 1.1 | 3:54  | 1.1  | 7:25                                                                                | 4:37 |  |
| 22   | Mon | 10:14 | 9.3  | 10:56 | 7.8  | 3:57  | 1.2 | 4:51  | 0.2  | 7:26                                                                                | 4:36 |  |
| 23   | Tue | 10:59 | 9.8  | 11:53 | 8.1  | 4:49  | 1.4 | 5:43  | -0.5 | 7:27                                                                                | 4:35 |  |
| 24   | Wed | 11:42 | 10.0 |       |      | 5:38  | 1.6 | 6:32  | -0.9 | 7:29                                                                                | 4:35 |  |
| 25   | Thu | 12:45 | 8.3  | 12:23 | 10.1 | 6:25  | 1.9 | 7:18  | -1.1 | 7:30                                                                                | 4:34 |  |
| 26   | Fri | 1:35  | 8.4  | 1:02  | 9.9  | 7:11  | 2.2 | 8:02  | -1.1 | 7:31                                                                                | 4:33 |  |
| 27   | Sat | 2:23  | 8.4  | 1:42  | 9.7  | 7:56  | 2.5 | 8:43  | -0.9 | 7:32                                                                                | 4:33 |  |
| 28   | Sun | 3:10  | 8.2  | 2:21  | 9.3  | 8:40  | 2.8 | 9:23  | -0.5 | 7:34                                                                                | 4:32 |  |
| 29   | Mon | 3:55  | 8.1  | 3:00  | 8.8  | 9:24  | 3.1 | 10:02 | -0.1 | 7:35                                                                                | 4:32 |  |
| 30   | Tue | 4:41  | 7.9  | 3:43  | 8.3  | 10:10 | 3.3 | 10:41 | 0.4  | 7:36                                                                                | 4:31 |  |