

## Astoria, OR - Oct 1890

| Date |     | High  |     |       |     | Low   |     |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|-----|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft  | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 3:00  | 7.9 | 2:53  | 8.9 | 8:53  | 0.8 | 9:37     | -0.8 | 6:13                                                                                | 5:55 |    |
| 2    | Thu | 3:51  | 7.4 | 3:29  | 8.6 | 9:31  | 1.5 | 10:23    | -0.4 | 6:15                                                                                | 5:53 |    |
| 3    | Fri | 4:46  | 6.9 | 4:06  | 8.2 | 10:12 | 2.3 | 11:13    | 0.0  | 6:16                                                                                | 5:51 |    |
| 4    | Sat | 5:46  | 6.5 | 4:49  | 7.7 | 10:58 | 3.0 |          |      | 6:17                                                                                | 5:49 |    |
| 5    | Sun | 6:53  | 6.2 | 5:44  | 7.1 | 12:11 | 0.5 | 11:58 AM | 3.5  | 6:19                                                                                | 5:47 |    |
| 6    | Mon | 8:03  | 6.2 | 6:55  | 6.8 | 1:19  | 0.9 | 1:14     | 3.7  | 6:20                                                                                | 5:45 |    |
| 7    | Tue | 9:08  | 6.5 | 8:14  | 6.6 | 2:29  | 0.9 | 2:31     | 3.5  | 6:21                                                                                | 5:43 |    |
| 8    | Wed | 10:02 | 6.8 | 9:24  | 6.8 | 3:29  | 0.8 | 3:37     | 3.0  | 6:23                                                                                | 5:41 |    |
| 9    | Thu | 10:45 | 7.2 | 10:22 | 7.1 | 4:18  | 0.6 | 4:30     | 2.3  | 6:24                                                                                | 5:39 |    |
| 10   | Fri | 11:22 | 7.6 | 11:11 | 7.4 | 5:00  | 0.4 | 5:16     | 1.7  | 6:25                                                                                | 5:38 |    |
| 11   | Sat | 11:54 | 7.9 | 11:54 | 7.6 | 5:37  | 0.3 | 5:58     | 1.1  | 6:27                                                                                | 5:36 |    |
| 12   | Sun |       |     | 12:23 | 8.1 | 6:11  | 0.4 | 6:37     | 0.5  | 6:28                                                                                | 5:34 |   |
| 13   | Mon | 12:36 | 7.7 | 12:49 | 8.3 | 6:43  | 0.6 | 7:14     | 0.1  | 6:29                                                                                | 5:32 |  |
| 14   | Tue | 1:17  | 7.7 | 1:15  | 8.6 | 7:15  | 0.9 | 7:50     | -0.2 | 6:31                                                                                | 5:30 |  |
| 15   | Wed | 1:58  | 7.6 | 1:41  | 8.8 | 7:47  | 1.3 | 8:25     | -0.5 | 6:32                                                                                | 5:28 |  |
| 16   | Thu | 2:41  | 7.4 | 2:09  | 8.9 | 8:20  | 1.7 | 9:02     | -0.6 | 6:34                                                                                | 5:27 |  |
| 17   | Fri | 3:27  | 7.2 | 2:42  | 9.0 | 8:55  | 2.2 | 9:42     | -0.5 | 6:35                                                                                | 5:25 |  |
| 18   | Sat | 4:18  | 6.9 | 3:21  | 8.9 | 9:34  | 2.7 | 10:30    | -0.3 | 6:36                                                                                | 5:23 |  |
| 19   | Sun | 5:18  | 6.6 | 4:09  | 8.6 | 10:22 | 3.2 | 11:29    | 0.0  | 6:38                                                                                | 5:21 |  |
| 20   | Mon | 6:27  | 6.4 | 5:11  | 8.1 | 11:27 | 3.6 |          |      | 6:39                                                                                | 5:20 |  |
| 21   | Tue | 7:40  | 6.5 | 6:31  | 7.7 | 12:43 | 0.3 | 12:53    | 3.6  | 6:41                                                                                | 5:18 |  |
| 22   | Wed | 8:48  | 6.9 | 8:00  | 7.6 | 2:01  | 0.3 | 2:20     | 3.2  | 6:42                                                                                | 5:16 |  |
| 23   | Thu | 9:44  | 7.5 | 9:20  | 7.7 | 3:09  | 0.2 | 3:33     | 2.3  | 6:43                                                                                | 5:15 |  |
| 24   | Fri | 10:32 | 8.1 | 10:28 | 8.0 | 4:07  | 0.0 | 4:34     | 1.3  | 6:45                                                                                | 5:13 |  |
| 25   | Sat | 11:14 | 8.7 | 11:27 | 8.2 | 4:56  | 0.0 | 5:28     | 0.4  | 6:46                                                                                | 5:11 |  |
| 26   | Sun | 11:53 | 9.1 |       |     | 5:41  | 0.1 | 6:18     | -0.4 | 6:48                                                                                | 5:10 |  |
| 27   | Mon | 12:21 | 8.3 | 12:30 | 9.4 | 6:23  | 0.5 | 7:05     | -0.9 | 6:49                                                                                | 5:08 |  |
| 28   | Tue | 1:11  | 8.3 | 1:05  | 9.5 | 7:04  | 1.0 | 7:49     | -1.2 | 6:50                                                                                | 5:06 |  |
| 29   | Wed | 2:01  | 8.1 | 1:39  | 9.4 | 7:44  | 1.5 | 8:32     | -1.1 | 6:52                                                                                | 5:05 |  |
| 30   | Thu | 2:50  | 7.9 | 2:13  | 9.2 | 8:23  | 2.1 | 9:14     | -0.9 | 6:53                                                                                | 5:03 |  |
| 31   | Fri | 3:39  | 7.6 | 2:47  | 8.8 | 9:03  | 2.7 | 9:55     | -0.4 | 6:55                                                                                | 5:02 |  |