

## Astoria (Youngs Bay), OR - Nov 1902

| Date |     | High  |     |       |      | Low   |     |       |      |  |      |  |
|------|-----|-------|-----|-------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Sat | 1:36  | 8.0 | 1:05  | 9.1  | 7:13  | 2.1 | 7:57  | -0.5 | 6:55                                                                                | 5:02 | ●                                                                                   |
| 2    | Sun | 2:18  | 7.8 | 1:36  | 8.9  | 7:50  | 2.5 | 8:32  | -0.3 | 6:57                                                                                | 5:01 | ●                                                                                   |
| 3    | Mon | 3:00  | 7.6 | 2:07  | 8.7  | 8:26  | 2.8 | 9:07  | 0.0  | 6:58                                                                                | 4:59 | ●                                                                                   |
| 4    | Tue | 3:42  | 7.4 | 2:40  | 8.4  | 9:03  | 3.1 | 9:41  | 0.3  | 6:59                                                                                | 4:58 | ◐                                                                                   |
| 5    | Wed | 4:25  | 7.2 | 3:16  | 8.1  | 9:44  | 3.3 | 10:18 | 0.6  | 7:01                                                                                | 4:56 | ◐                                                                                   |
| 6    | Thu | 5:12  | 7.0 | 4:00  | 7.7  | 10:31 | 3.5 | 11:01 | 1.0  | 7:02                                                                                | 4:55 | ◐                                                                                   |
| 7    | Fri | 6:02  | 7.0 | 4:56  | 7.2  | 11:29 | 3.6 | 11:53 | 1.3  | 7:04                                                                                | 4:54 | ◐                                                                                   |
| 8    | Sat | 6:56  | 7.0 | 6:08  | 6.8  |       |     | 12:40 | 3.4  | 7:05                                                                                | 4:52 | ◐                                                                                   |
| 9    | Sun | 7:49  | 7.3 | 7:29  | 6.6  | 12:55 | 1.6 | 1:53  | 3.0  | 7:07                                                                                | 4:51 | ◐                                                                                   |
| 10   | Mon | 8:39  | 7.7 | 8:46  | 6.7  | 1:57  | 1.7 | 2:57  | 2.3  | 7:08                                                                                | 4:50 | ◐                                                                                   |
| 11   | Tue | 9:23  | 8.2 | 9:52  | 7.1  | 2:54  | 1.7 | 3:53  | 1.5  | 7:10                                                                                | 4:48 | ◐                                                                                   |
| 12   | Wed | 10:04 | 8.7 | 10:50 | 7.5  | 3:46  | 1.8 | 4:43  | 0.6  | 7:11                                                                                | 4:47 | ○                                                                                   |
| 13   | Thu | 10:44 | 9.3 | 11:43 | 7.9  | 4:34  | 1.9 | 5:30  | -0.1 | 7:12                                                                                | 4:46 | ○                                                                                   |
| 14   | Fri | 11:23 | 9.7 |       |      | 5:21  | 2.0 | 6:17  | -0.8 | 7:14                                                                                | 4:45 | ○                                                                                   |
| 15   | Sat | 12:34 | 8.2 | 12:04 | 10.1 | 6:07  | 2.1 | 7:03  | -1.2 | 7:15                                                                                | 4:44 | ○                                                                                   |
| 16   | Sun | 1:23  | 8.3 | 12:46 | 10.3 | 6:55  | 2.3 | 7:50  | -1.4 | 7:17                                                                                | 4:43 | ○                                                                                   |
| 17   | Mon | 2:13  | 8.4 | 1:31  | 10.2 | 7:43  | 2.4 | 8:37  | -1.4 | 7:18                                                                                | 4:42 | ○                                                                                   |
| 18   | Tue | 3:04  | 8.4 | 2:19  | 10.0 | 8:34  | 2.5 | 9:25  | -1.1 | 7:19                                                                                | 4:41 | ○                                                                                   |
| 19   | Wed | 3:56  | 8.3 | 3:11  | 9.5  | 9:27  | 2.7 | 10:15 | -0.7 | 7:21                                                                                | 4:40 | ○                                                                                   |
| 20   | Thu | 4:50  | 8.3 | 4:09  | 8.8  | 10:26 | 2.8 | 11:08 | -0.1 | 7:22                                                                                | 4:39 | ○                                                                                   |
| 21   | Fri | 5:47  | 8.2 | 5:16  | 8.1  | 11:32 | 2.8 |       |      | 7:24                                                                                | 4:38 | ○                                                                                   |
| 22   | Sat | 6:44  | 8.3 | 6:32  | 7.4  | 12:06 | 0.5 | 12:45 | 2.6  | 7:25                                                                                | 4:37 | ◐                                                                                   |
| 23   | Sun | 7:42  | 8.5 | 7:51  | 7.1  | 1:07  | 1.1 | 2:00  | 2.2  | 7:26                                                                                | 4:36 | ◐                                                                                   |
| 24   | Mon | 8:36  | 8.8 | 9:05  | 7.1  | 2:08  | 1.5 | 3:07  | 1.5  | 7:28                                                                                | 4:36 | ◐                                                                                   |
| 25   | Tue | 9:26  | 9.1 | 10:10 | 7.3  | 3:05  | 1.8 | 4:06  | 0.8  | 7:29                                                                                | 4:35 | ◐                                                                                   |
| 26   | Wed | 10:11 | 9.3 | 11:06 | 7.6  | 3:56  | 2.1 | 4:56  | 0.2  | 7:30                                                                                | 4:34 | ◐                                                                                   |
| 27   | Thu | 10:51 | 9.5 | 11:56 | 7.8  | 4:44  | 2.3 | 5:42  | -0.1 | 7:31                                                                                | 4:34 | ◐                                                                                   |
| 28   | Fri | 11:28 | 9.5 |       |      | 5:27  | 2.6 | 6:23  | -0.4 | 7:33                                                                                | 4:33 | ◐                                                                                   |
| 29   | Sat | 12:41 | 8.0 | 12:03 | 9.5  | 6:09  | 2.8 | 7:02  | -0.4 | 7:34                                                                                | 4:32 | ◐                                                                                   |
| 30   | Sun | 1:24  | 8.0 | 12:36 | 9.4  | 6:49  | 3.0 | 7:38  | -0.3 | 7:35                                                                                | 4:32 | ●                                                                                   |