

## Astoria (Youngs Bay), OR - Aug 1877

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 5:14  | 5.9 | 5:10  | 8.0 | 10:46 | 1.8  |          |     | 5:04                                                                                | 7:52 |    |
| 2    | Thu | 6:27  | 5.4 | 5:55  | 8.1 | 12:12 | 1.3  | 11:31 AM | 2.6 | 5:05                                                                                | 7:51 |    |
| 3    | Fri | 7:56  | 5.3 | 6:51  | 8.2 | 1:25  | 1.0  | 12:32    | 3.2 | 5:06                                                                                | 7:49 |    |
| 4    | Sat | 9:21  | 5.5 | 7:59  | 8.3 | 2:42  | 0.6  | 1:52     | 3.6 | 5:08                                                                                | 7:48 |    |
| 5    | Sun | 10:31 | 6.0 | 9:10  | 8.6 | 3:51  | 0.0  | 3:12     | 3.6 | 5:09                                                                                | 7:46 |    |
| 6    | Mon | 11:26 | 6.5 | 10:16 | 9.0 | 4:51  | -0.7 | 4:22     | 3.3 | 5:10                                                                                | 7:45 |    |
| 7    | Tue |       |     | 12:12 | 7.0 | 5:43  | -1.3 | 5:24     | 2.7 | 5:11                                                                                | 7:43 |    |
| 8    | Wed |       |     | 12:55 | 7.5 | 6:30  | -1.7 | 6:20     | 2.1 | 5:13                                                                                | 7:42 |    |
| 9    | Thu | 12:12 | 9.5 | 1:35  | 7.9 | 7:14  | -1.9 | 7:14     | 1.4 | 5:14                                                                                | 7:40 |    |
| 10   | Fri | 1:06  | 9.4 | 2:14  | 8.3 | 7:56  | -1.8 | 8:05     | 0.8 | 5:15                                                                                | 7:39 |    |
| 11   | Sat | 1:58  | 9.0 | 2:52  | 8.6 | 8:35  | -1.4 | 8:56     | 0.3 | 5:16                                                                                | 7:37 |    |
| 12   | Sun | 2:51  | 8.5 | 3:30  | 8.8 | 9:13  | -0.8 | 9:47     | 0.1 | 5:18                                                                                | 7:36 |  |
| 13   | Mon | 3:46  | 7.7 | 4:08  | 8.8 | 9:51  | 0.1  | 10:40    | 0.0 | 5:19                                                                                | 7:34 |  |
| 14   | Tue | 4:44  | 6.9 | 4:50  | 8.7 | 10:31 | 1.0  | 11:39    | 0.2 | 5:20                                                                                | 7:32 |  |
| 15   | Wed | 5:50  | 6.3 | 5:35  | 8.4 | 11:17 | 1.9  |          |     | 5:21                                                                                | 7:31 |  |
| 16   | Thu | 7:05  | 5.8 | 6:29  | 8.1 | 12:46 | 0.4  | 12:13    | 2.8 | 5:23                                                                                | 7:29 |  |
| 17   | Fri | 8:26  | 5.8 | 7:32  | 7.8 | 1:59  | 0.4  | 1:24     | 3.4 | 5:24                                                                                | 7:27 |  |
| 18   | Sat | 9:41  | 6.0 | 8:39  | 7.7 | 3:11  | 0.3  | 2:39     | 3.5 | 5:25                                                                                | 7:26 |  |
| 19   | Sun | 10:41 | 6.4 | 9:42  | 7.8 | 4:13  | 0.0  | 3:47     | 3.3 | 5:26                                                                                | 7:24 |  |
| 20   | Mon | 11:28 | 6.8 | 10:37 | 7.9 | 5:03  | -0.2 | 4:43     | 3.0 | 5:28                                                                                | 7:22 |  |
| 21   | Tue |       |     | 12:08 | 7.1 | 5:45  | -0.4 | 5:32     | 2.5 | 5:29                                                                                | 7:21 |  |
| 22   | Wed |       |     | 12:42 | 7.3 | 6:21  | -0.5 | 6:15     | 2.1 | 5:30                                                                                | 7:19 |  |
| 23   | Thu | 12:05 | 8.0 | 1:13  | 7.4 | 6:53  | -0.5 | 6:55     | 1.7 | 5:31                                                                                | 7:17 |  |
| 24   | Fri | 12:44 | 8.0 | 1:41  | 7.5 | 7:22  | -0.4 | 7:33     | 1.3 | 5:33                                                                                | 7:15 |  |
| 25   | Sat | 1:21  | 7.8 | 2:05  | 7.7 | 7:49  | -0.2 | 8:08     | 1.0 | 5:34                                                                                | 7:13 |  |
| 26   | Sun | 1:58  | 7.5 | 2:27  | 7.8 | 8:14  | 0.2  | 8:42     | 0.8 | 5:35                                                                                | 7:12 |  |
| 27   | Mon | 2:36  | 7.2 | 2:48  | 8.0 | 8:39  | 0.6  | 9:15     | 0.6 | 5:36                                                                                | 7:10 |  |
| 28   | Tue | 3:16  | 6.8 | 3:12  | 8.2 | 9:04  | 1.1  | 9:51     | 0.5 | 5:38                                                                                | 7:08 |  |
| 29   | Wed | 4:02  | 6.4 | 3:41  | 8.3 | 9:34  | 1.7  | 10:34    | 0.6 | 5:39                                                                                | 7:06 |  |
| 30   | Thu | 4:58  | 5.9 | 4:18  | 8.3 | 10:09 | 2.4  | 11:30    | 0.7 | 5:40                                                                                | 7:04 |  |
| 31   | Fri | 6:11  | 5.5 | 5:08  | 8.2 | 10:56 | 3.1  |          |     | 5:42                                                                                | 7:02 |  |