

## Astoria (Youngs Bay), OR - Sep 1880

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 11:23 | 6.9 | 10:47 | 7.7 | 4:59  | 0.0  | 4:53  | 2.3  | 5:43                                                                                | 7:00 |    |
| 2    | Thu | 11:57 | 7.3 | 11:32 | 7.9 | 5:36  | -0.2 | 5:39  | 1.7  | 5:44                                                                                | 6:58 |    |
| 3    | Fri |       |     | 12:28 | 7.6 | 6:11  | -0.3 | 6:21  | 1.2  | 5:46                                                                                | 6:56 |    |
| 4    | Sat | 12:15 | 8.0 | 12:57 | 7.9 | 6:44  | -0.3 | 7:01  | 0.7  | 5:47                                                                                | 6:54 |    |
| 5    | Sun | 12:56 | 8.0 | 1:25  | 8.2 | 7:16  | -0.1 | 7:40  | 0.2  | 5:48                                                                                | 6:52 |    |
| 6    | Mon | 1:39  | 7.9 | 1:52  | 8.5 | 7:47  | 0.2  | 8:18  | -0.1 | 5:49                                                                                | 6:50 |    |
| 7    | Tue | 2:22  | 7.6 | 2:22  | 8.8 | 8:20  | 0.6  | 8:59  | -0.3 | 5:51                                                                                | 6:48 |    |
| 8    | Wed | 3:09  | 7.3 | 2:55  | 8.9 | 8:54  | 1.1  | 9:43  | -0.3 | 5:52                                                                                | 6:46 |    |
| 9    | Thu | 4:02  | 6.8 | 3:34  | 8.9 | 9:31  | 1.7  | 10:34 | -0.2 | 5:53                                                                                | 6:45 |    |
| 10   | Fri | 5:03  | 6.3 | 4:22  | 8.7 | 10:17 | 2.3  | 11:38 | 0.1  | 5:54                                                                                | 6:43 |    |
| 11   | Sat | 6:16  | 6.0 | 5:23  | 8.4 | 11:17 | 2.9  |       |      | 5:56                                                                                | 6:41 |    |
| 12   | Sun | 7:37  | 5.9 | 6:38  | 8.0 | 12:56 | 0.3  | 12:39 | 3.2  | 5:57                                                                                | 6:39 |   |
| 13   | Mon | 8:52  | 6.3 | 8:02  | 7.9 | 2:16  | 0.2  | 2:08  | 3.0  | 5:58                                                                                | 6:37 |  |
| 14   | Tue | 9:53  | 6.8 | 9:19  | 8.1 | 3:24  | -0.2 | 3:24  | 2.4  | 6:00                                                                                | 6:35 |  |
| 15   | Wed | 10:43 | 7.4 | 10:24 | 8.3 | 4:21  | -0.5 | 4:27  | 1.6  | 6:01                                                                                | 6:33 |  |
| 16   | Thu | 11:26 | 8.0 | 11:21 | 8.4 | 5:09  | -0.6 | 5:22  | 0.8  | 6:02                                                                                | 6:31 |  |
| 17   | Fri |       |     | 12:05 | 8.4 | 5:52  | -0.6 | 6:12  | 0.2  | 6:03                                                                                | 6:29 |  |
| 18   | Sat | 12:12 | 8.4 | 12:41 | 8.7 | 6:31  | -0.3 | 6:58  | -0.3 | 6:05                                                                                | 6:27 |  |
| 19   | Sun | 1:00  | 8.3 | 1:15  | 8.8 | 7:09  | 0.1  | 7:42  | -0.6 | 6:06                                                                                | 6:25 |  |
| 20   | Mon | 1:46  | 8.0 | 1:48  | 8.8 | 7:44  | 0.6  | 8:23  | -0.6 | 6:07                                                                                | 6:23 |  |
| 21   | Tue | 2:32  | 7.6 | 2:18  | 8.7 | 8:18  | 1.2  | 9:03  | -0.4 | 6:08                                                                                | 6:21 |  |
| 22   | Wed | 3:18  | 7.2 | 2:49  | 8.5 | 8:52  | 1.8  | 9:43  | -0.1 | 6:10                                                                                | 6:19 |  |
| 23   | Thu | 4:06  | 6.8 | 3:20  | 8.2 | 9:27  | 2.4  | 10:25 | 0.3  | 6:11                                                                                | 6:17 |  |
| 24   | Fri | 4:58  | 6.4 | 3:56  | 7.8 | 10:06 | 2.9  | 11:13 | 0.7  | 6:12                                                                                | 6:15 |  |
| 25   | Sat | 5:58  | 6.0 | 4:42  | 7.4 | 10:54 | 3.4  |       |      | 6:14                                                                                | 6:13 |  |
| 26   | Sun | 7:04  | 5.9 | 5:44  | 6.9 | 12:14 | 1.1  | 12:01 | 3.7  | 6:15                                                                                | 6:11 |  |
| 27   | Mon | 8:11  | 6.0 | 7:03  | 6.7 | 1:24  | 1.2  | 1:21  | 3.6  | 6:16                                                                                | 6:09 |  |
| 28   | Tue | 9:10  | 6.4 | 8:22  | 6.7 | 2:30  | 1.1  | 2:36  | 3.2  | 6:17                                                                                | 6:07 |  |
| 29   | Wed | 9:57  | 6.8 | 9:28  | 7.0 | 3:25  | 0.9  | 3:37  | 2.6  | 6:19                                                                                | 6:05 |  |
| 30   | Thu | 10:35 | 7.3 | 10:24 | 7.3 | 4:10  | 0.6  | 4:28  | 1.8  | 6:20                                                                                | 6:03 |  |