

## Astoria, OR - Jun 1978

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 11:12 | 6.9 | 11:20 | 8.9 | 5:13  | 0.5  | 5:03  | 1.5  | 5:26                                                                                | 8:58 |    |
| 2    | Fri |       |     | 12:11 | 7.1 | 6:06  | -0.1 | 5:52  | 1.8  | 5:26                                                                                | 8:59 |    |
| 3    | Sat | 12:02 | 9.0 | 1:03  | 7.3 | 6:53  | -0.5 | 6:37  | 2.0  | 5:25                                                                                | 9:00 |    |
| 4    | Sun | 12:41 | 9.0 | 1:50  | 7.4 | 7:37  | -0.7 | 7:21  | 2.3  | 5:25                                                                                | 9:01 |    |
| 5    | Mon | 1:18  | 8.9 | 2:35  | 7.5 | 8:18  | -0.8 | 8:03  | 2.5  | 5:24                                                                                | 9:02 |    |
| 6    | Tue | 1:53  | 8.8 | 3:17  | 7.5 | 8:56  | -0.7 | 8:43  | 2.7  | 5:24                                                                                | 9:02 |    |
| 7    | Wed | 2:26  | 8.7 | 3:58  | 7.5 | 9:31  | -0.6 | 9:22  | 2.8  | 5:24                                                                                | 9:03 |    |
| 8    | Thu | 3:00  | 8.5 | 4:37  | 7.4 | 10:05 | -0.5 | 10:01 | 2.8  | 5:23                                                                                | 9:04 |    |
| 9    | Fri | 3:35  | 8.2 | 5:15  | 7.3 | 10:37 | -0.3 | 10:41 | 2.9  | 5:23                                                                                | 9:05 |    |
| 10   | Sat | 4:12  | 7.9 | 5:53  | 7.3 | 11:10 | 0.0  | 11:24 | 2.9  | 5:23                                                                                | 9:05 |    |
| 11   | Sun | 4:53  | 7.5 | 6:32  | 7.3 | 11:45 | 0.3  |       |      | 5:22                                                                                | 9:06 |    |
| 12   | Mon | 5:43  | 7.1 | 7:14  | 7.3 | 12:13 | 2.8  | 12:25 | 0.6  | 5:22                                                                                | 9:06 |   |
| 13   | Tue | 6:44  | 6.6 | 8:00  | 7.5 | 1:11  | 2.7  | 1:12  | 1.0  | 5:22                                                                                | 9:07 |  |
| 14   | Wed | 7:57  | 6.2 | 8:48  | 7.8 | 2:18  | 2.4  | 2:08  | 1.4  | 5:22                                                                                | 9:07 |  |
| 15   | Thu | 9:16  | 6.1 | 9:37  | 8.1 | 3:25  | 1.8  | 3:09  | 1.7  | 5:22                                                                                | 9:08 |  |
| 16   | Fri | 10:31 | 6.3 | 10:26 | 8.6 | 4:28  | 1.1  | 4:08  | 2.0  | 5:22                                                                                | 9:08 |  |
| 17   | Sat | 11:37 | 6.6 | 11:14 | 9.1 | 5:25  | 0.3  | 5:06  | 2.1  | 5:22                                                                                | 9:09 |  |
| 18   | Sun |       |     | 12:37 | 7.0 | 6:18  | -0.5 | 6:02  | 2.2  | 5:22                                                                                | 9:09 |  |
| 19   | Mon | 12:02 | 9.5 | 1:31  | 7.4 | 7:10  | -1.1 | 6:56  | 2.2  | 5:22                                                                                | 9:09 |  |
| 20   | Tue | 12:51 | 9.8 | 2:23  | 7.7 | 8:00  | -1.6 | 7:51  | 2.2  | 5:23                                                                                | 9:10 |  |
| 21   | Wed | 1:40  | 9.9 | 3:13  | 8.0 | 8:48  | -1.8 | 8:44  | 2.0  | 5:23                                                                                | 9:10 |  |
| 22   | Thu | 2:30  | 9.8 | 4:02  | 8.1 | 9:36  | -1.9 | 9:38  | 1.9  | 5:23                                                                                | 9:10 |  |
| 23   | Fri | 3:22  | 9.6 | 4:51  | 8.3 | 10:22 | -1.7 | 10:32 | 1.8  | 5:23                                                                                | 9:10 |  |
| 24   | Sat | 4:15  | 9.1 | 5:39  | 8.3 | 11:08 | -1.3 | 11:28 | 1.7  | 5:24                                                                                | 9:10 |  |
| 25   | Sun | 5:12  | 8.4 | 6:28  | 8.3 | 11:55 | -0.8 |       |      | 5:24                                                                                | 9:10 |  |
| 26   | Mon | 6:13  | 7.7 | 7:19  | 8.3 | 12:28 | 1.6  | 12:44 | -0.1 | 5:24                                                                                | 9:10 |  |
| 27   | Tue | 7:20  | 7.0 | 8:11  | 8.3 | 1:33  | 1.5  | 1:37  | 0.6  | 5:25                                                                                | 9:10 |  |
| 28   | Wed | 8:32  | 6.5 | 9:04  | 8.4 | 2:42  | 1.3  | 2:33  | 1.2  | 5:25                                                                                | 9:10 |  |
| 29   | Thu | 9:46  | 6.3 | 9:56  | 8.5 | 3:49  | 0.9  | 3:32  | 1.7  | 5:26                                                                                | 9:10 |  |
| 30   | Fri | 10:54 | 6.4 | 10:45 | 8.6 | 4:51  | 0.4  | 4:28  | 2.1  | 5:26                                                                                | 9:10 |  |