

































Astoria, OR - Nov 2051

| Date | | High | | | | Low | | | |  | |  |
|------|-----|-------|-----|----------|------|-------|-----|-------|------|---|------|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 1 | Wed | 12:40 | 7.4 | 12:38 | 8.7 | 6:31 | 1.6 | 7:14 | 0.0 | 7:56 | 6:00 |  |
| 2 | Thu | 1:24 | 7.6 | 1:09 | 8.8 | 7:08 | 1.8 | 7:52 | -0.2 | 7:57 | 5:59 |  |
| 3 | Fri | 2:05 | 7.6 | 1:38 | 8.9 | 7:44 | 2.1 | 8:27 | -0.4 | 7:59 | 5:57 |  |
| 4 | Sat | 2:45 | 7.6 | 2:06 | 8.9 | 8:19 | 2.4 | 9:02 | -0.4 | 8:00 | 5:56 |  |
| 5 | Sun | 2:25 | 7.6 | 1:35 | 8.8 | 7:54 | 2.6 | 8:35 | -0.3 | 7:02 | 4:55 |  |
| 6 | Mon | 3:04 | 7.5 | 2:05 | 8.8 | 8:29 | 2.8 | 9:07 | -0.2 | 7:03 | 4:53 |  |
| 7 | Tue | 3:44 | 7.3 | 2:39 | 8.6 | 9:05 | 3.0 | 9:41 | -0.1 | 7:05 | 4:52 |  |
| 8 | Wed | 4:26 | 7.2 | 3:18 | 8.4 | 9:45 | 3.2 | 10:19 | 0.2 | 7:06 | 4:51 |  |
| 9 | Thu | 5:12 | 7.1 | 4:06 | 8.0 | 10:33 | 3.3 | 11:05 | 0.5 | 7:07 | 4:49 |  |
| 10 | Fri | 6:03 | 7.1 | 5:06 | 7.6 | 11:34 | 3.3 | | | 7:09 | 4:48 |  |
| 11 | Sat | 6:58 | 7.3 | 6:21 | 7.2 | 12:01 | 0.8 | 12:48 | 3.1 | 7:10 | 4:47 |  |
| 12 | Sun | 7:54 | 7.6 | 7:46 | 7.0 | 1:06 | 1.1 | 2:05 | 2.5 | 7:12 | 4:46 |  |
| 13 | Mon | 8:47 | 8.1 | 9:05 | 7.1 | 2:12 | 1.2 | 3:13 | 1.7 | 7:13 | 4:45 |  |
| 14 | Tue | 9:37 | 8.7 | 10:15 | 7.5 | 3:13 | 1.3 | 4:13 | 0.7 | 7:15 | 4:43 |  |
| 15 | Wed | 10:23 | 9.4 | 11:16 | 7.9 | 4:09 | 1.4 | 5:08 | -0.2 | 7:16 | 4:42 |  |
| 16 | Thu | 11:08 | 9.9 | | | 5:01 | 1.6 | 6:00 | -0.9 | 7:17 | 4:41 |  |
| 17 | Fri | 12:13 | 8.2 | 11:53 AM | 10.2 | 5:52 | 1.7 | 6:50 | -1.4 | 7:19 | 4:40 |  |
| 18 | Sat | 1:06 | 8.4 | 12:38 | 10.4 | 6:42 | 1.9 | 7:39 | -1.6 | 7:20 | 4:39 |  |
| 19 | Sun | 1:58 | 8.5 | 1:23 | 10.3 | 7:32 | 2.1 | 8:27 | -1.6 | 7:22 | 4:38 |  |
| 20 | Mon | 2:49 | 8.5 | 2:10 | 10.0 | 8:22 | 2.3 | 9:14 | -1.3 | 7:23 | 4:38 |  |
| 21 | Tue | 3:41 | 8.4 | 2:58 | 9.5 | 9:14 | 2.5 | 10:01 | -0.8 | 7:24 | 4:37 |  |
| 22 | Wed | 4:32 | 8.3 | 3:49 | 8.8 | 10:07 | 2.7 | 10:49 | -0.2 | 7:26 | 4:36 |  |
| 23 | Thu | 5:25 | 8.1 | 4:46 | 8.0 | 11:05 | 2.9 | 11:39 | 0.4 | 7:27 | 4:35 |  |
| 24 | Fri | 6:18 | 8.0 | 5:51 | 7.3 | | | 12:09 | 2.9 | 7:28 | 4:34 |  |
| 25 | Sat | 7:12 | 8.0 | 7:03 | 6.8 | 12:33 | 1.1 | 1:19 | 2.8 | 7:30 | 4:34 |  |
| 26 | Sun | 8:05 | 8.1 | 8:18 | 6.5 | 1:30 | 1.6 | 2:28 | 2.3 | 7:31 | 4:33 |  |
| 27 | Mon | 8:55 | 8.3 | 9:28 | 6.6 | 2:26 | 2.0 | 3:30 | 1.7 | 7:32 | 4:32 |  |
| 28 | Tue | 9:40 | 8.6 | 10:29 | 6.9 | 3:19 | 2.3 | 4:23 | 1.1 | 7:33 | 4:32 |  |
| 29 | Wed | 10:20 | 8.8 | 11:21 | 7.2 | 4:07 | 2.5 | 5:09 | 0.6 | 7:35 | 4:31 |  |
| 30 | Thu | 10:57 | 9.0 | | | 4:52 | 2.7 | 5:51 | 0.2 | 7:36 | 4:31 |  |