



## Astoria (Youngs Bay), OR - Dec 1993

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |  |
|------|-----|-------|------|----------|------|-------|-----|-------|------|---|------|---|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise  | Set  | Moon  |
| 1    | Wed | 2:43  | 7.9  | 1:33     | 9.4  | 8:00  | 3.5 | 8:45  | -0.5 | 7:37  | 4:31 | ☉   |
| 2    | Thu | 3:23  | 7.9  | 2:14     | 9.3  | 8:41  | 3.4 | 9:21  | -0.3 | 7:38  | 4:30 | ☉   |
| 3    | Fri | 4:03  | 7.9  | 3:00     | 9.0  | 9:27  | 3.3 | 10:00 | -0.1 | 7:40  | 4:30 | ☾   |
| 4    | Sat | 4:44  | 8.0  | 3:53     | 8.4  | 10:18 | 3.2 | 10:43 | 0.3  | 7:41  | 4:30 | ☾   |
| 5    | Sun | 5:29  | 8.2  | 4:56     | 7.8  | 11:19 | 3.0 | 11:32 | 0.9  | 7:42  | 4:30 | ☾   |
| 6    | Mon | 6:18  | 8.4  | 6:13     | 7.2  |       |     | 12:30 | 2.6  | 7:43  | 4:29 | ☾   |
| 7    | Tue | 7:10  | 8.8  | 7:37     | 6.9  | 12:30 | 1.5 | 1:45  | 2.0  | 7:44  | 4:29 | ☾   |
| 8    | Wed | 8:03  | 9.2  | 8:59     | 7.0  | 1:33  | 2.0 | 2:55  | 1.2  | 7:45  | 4:29 | ☾   |
| 9    | Thu | 8:57  | 9.7  | 10:11    | 7.3  | 2:36  | 2.4 | 3:58  | 0.3  | 7:46  | 4:29 | ☾   |
| 10   | Fri | 9:48  | 10.1 | 11:14    | 7.7  | 3:37  | 2.7 | 4:55  | -0.4 | 7:47  | 4:29 | ☾   |
| 11   | Sat | 10:39 | 10.4 |          |      | 4:35  | 2.9 | 5:48  | -0.9 | 7:48  | 4:29 | ☾   |
| 12   | Sun | 12:10 | 8.1  | 11:27 AM | 10.5 | 5:30  | 3.0 | 6:38  | -1.2 | 7:48  | 4:29 | ☾   |
| 13   | Mon | 1:01  | 8.4  | 12:15    | 10.5 | 6:23  | 3.0 | 7:25  | -1.2 | 7:49  | 4:29 | ☾   |
| 14   | Tue | 1:50  | 8.5  | 1:02     | 10.2 | 7:15  | 3.0 | 8:09  | -1.0 | 7:50  | 4:29 | ☾   |
| 15   | Wed | 2:36  | 8.6  | 1:47     | 9.8  | 8:04  | 3.0 | 8:50  | -0.7 | 7:51  | 4:30 | ☾   |
| 16   | Thu | 3:21  | 8.6  | 2:33     | 9.3  | 8:53  | 3.0 | 9:29  | -0.3 | 7:52  | 4:30 | ☾   |
| 17   | Fri | 4:03  | 8.5  | 3:20     | 8.6  | 9:41  | 3.0 | 10:07 | 0.3  | 7:52  | 4:30 | ☾   |
| 18   | Sat | 4:45  | 8.4  | 4:09     | 7.9  | 10:31 | 3.0 | 10:44 | 1.0  | 7:53  | 4:30 | ☾   |
| 19   | Sun | 5:26  | 8.3  | 5:05     | 7.2  | 11:26 | 3.0 | 11:23 | 1.7  | 7:54  | 4:31 | ☾   |
| 20   | Mon | 6:09  | 8.3  | 6:11     | 6.6  |       |     | 12:27 | 2.8  | 7:54  | 4:31 | ☾   |
| 21   | Tue | 6:53  | 8.3  | 7:25     | 6.3  | 12:08 | 2.3 | 1:34  | 2.6  | 7:55  | 4:32 | ☾   |
| 22   | Wed | 7:39  | 8.4  | 8:42     | 6.2  | 1:00  | 2.9 | 2:39  | 2.1  | 7:55  | 4:32 | ☾   |
| 23   | Thu | 8:27  | 8.6  | 9:51     | 6.5  | 1:59  | 3.4 | 3:37  | 1.6  | 7:56  | 4:33 | ☾   |
| 24   | Fri | 9:13  | 8.8  | 10:50    | 6.9  | 2:58  | 3.7 | 4:28  | 1.0  | 7:56  | 4:33 | ☾   |
| 25   | Sat | 9:58  | 9.0  | 11:40    | 7.3  | 3:54  | 3.9 | 5:14  | 0.5  | 7:56  | 4:34 | ☾   |
| 26   | Sun | 10:40 | 9.3  |          |      | 4:45  | 3.9 | 5:57  | 0.1  | 7:57  | 4:35 | ☾   |
| 27   | Mon | 12:25 | 7.7  | 11:21 AM | 9.5  | 5:34  | 3.9 | 6:37  | -0.2 | 7:57  | 4:36 | ☾   |
| 28   | Tue | 1:07  | 8.0  | 12:02    | 9.6  | 6:20  | 3.7 | 7:15  | -0.5 | 7:57  | 4:36 | ☾   |
| 29   | Wed | 1:46  | 8.2  | 12:43    | 9.7  | 7:04  | 3.5 | 7:52  | -0.6 | 7:57  | 4:37 | ☾   |
| 30   | Thu | 2:23  | 8.3  | 1:25     | 9.7  | 7:48  | 3.3 | 8:28  | -0.6 | 7:57  | 4:38 | ☾   |
| 31   | Fri | 2:59  | 8.5  | 2:09     | 9.5  | 8:32  | 3.0 | 9:03  | -0.5 | 7:57  | 4:39 | ☾   |