


































## Astoria (Port Docks), OR - Jul 2009

| Date |     | High  |     |       |     | Low   |      |       |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|-----|---|------|---|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft  | Rise  | Set  | Moon  |
| 1    | Wed | 9:43  | 5.4 | 9:28  | 8.0 | 3:44  | 0.6  | 3:13  | 2.4 | 5:28  | 9:10 |    |
| 2    | Thu | 10:55 | 5.6 | 10:18 | 8.0 | 4:47  | 0.2  | 4:11  | 2.8 | 5:28  | 9:10 |    |
| 3    | Fri | 11:58 | 5.9 | 11:06 | 8.1 | 5:42  | -0.2 | 5:08  | 3.1 | 5:29  | 9:10 |    |
| 4    | Sat |       |     | 12:51 | 6.2 | 6:32  | -0.5 | 6:01  | 3.2 | 5:30  | 9:09 |    |
| 5    | Sun |       |     | 1:37  | 6.4 | 7:16  | -0.7 | 6:50  | 3.2 | 5:30  | 9:09 |    |
| 6    | Mon | 12:34 | 8.1 | 2:19  | 6.6 | 7:57  | -0.8 | 7:36  | 3.1 | 5:31  | 9:09 |    |
| 7    | Tue | 1:14  | 8.0 | 2:57  | 6.7 | 8:34  | -0.8 | 8:19  | 3.0 | 5:32  | 9:08 |    |
| 8    | Wed | 1:53  | 7.9 | 3:32  | 6.7 | 9:07  | -0.8 | 9:00  | 2.8 | 5:33  | 9:08 |    |
| 9    | Thu | 2:30  | 7.8 | 4:04  | 6.7 | 9:37  | -0.7 | 9:39  | 2.6 | 5:33  | 9:07 |    |
| 10   | Fri | 3:07  | 7.5 | 4:34  | 6.8 | 10:06 | -0.6 | 10:17 | 2.3 | 5:34  | 9:07 |    |
| 11   | Sat | 3:45  | 7.2 | 5:01  | 6.9 | 10:33 | -0.3 | 10:56 | 2.1 | 5:35  | 9:06 |    |
| 12   | Sun | 4:27  | 6.8 | 5:29  | 7.1 | 11:01 | 0.0  | 11:39 | 1.9 | 5:36  | 9:05 |   |
| 13   | Mon | 5:14  | 6.3 | 5:59  | 7.3 | 11:32 | 0.6  |       |     | 5:37  | 9:05 |  |
| 14   | Tue | 6:11  | 5.7 | 6:35  | 7.5 | 12:28 | 1.6  | 12:08 | 1.2 | 5:38  | 9:04 |  |
| 15   | Wed | 7:22  | 5.2 | 7:19  | 7.7 | 1:28  | 1.4  | 12:54 | 1.9 | 5:39  | 9:03 |  |
| 16   | Thu | 8:46  | 5.0 | 8:12  | 7.9 | 2:39  | 1.0  | 1:52  | 2.6 | 5:40  | 9:02 |  |
| 17   | Fri | 10:12 | 5.1 | 9:13  | 8.2 | 3:52  | 0.5  | 3:04  | 3.1 | 5:41  | 9:02 |  |
| 18   | Sat | 11:25 | 5.5 | 10:18 | 8.5 | 5:00  | -0.2 | 4:19  | 3.3 | 5:42  | 9:01 |  |
| 19   | Sun |       |     | 12:26 | 6.0 | 6:01  | -0.9 | 5:28  | 3.2 | 5:43  | 9:00 |  |
| 20   | Mon |       |     | 1:19  | 6.4 | 6:56  | -1.4 | 6:32  | 2.8 | 5:44  | 8:59 |  |
| 21   | Tue | 12:20 | 9.0 | 2:06  | 6.9 | 7:46  | -1.8 | 7:31  | 2.3 | 5:45  | 8:58 |  |
| 22   | Wed | 1:17  | 9.1 | 2:50  | 7.3 | 8:33  | -2.0 | 8:27  | 1.8 | 5:46  | 8:57 |  |
| 23   | Thu | 2:11  | 9.0 | 3:32  | 7.6 | 9:17  | -2.0 | 9:21  | 1.3 | 5:47  | 8:56 |  |
| 24   | Fri | 3:04  | 8.6 | 4:13  | 7.9 | 9:58  | -1.7 | 10:13 | 0.9 | 5:48  | 8:55 |  |
| 25   | Sat | 3:57  | 8.1 | 4:53  | 8.0 | 10:37 | -1.1 | 11:05 | 0.6 | 5:49  | 8:54 |  |
| 26   | Sun | 4:52  | 7.3 | 5:33  | 8.1 | 11:16 | -0.4 | 11:59 | 0.5 | 5:50  | 8:52 |  |
| 27   | Mon | 5:50  | 6.5 | 6:15  | 8.0 | 11:56 | 0.5  |       |     | 5:52  | 8:51 |  |
| 28   | Tue | 6:53  | 5.8 | 6:59  | 7.8 | 12:57 | 0.6  | 12:39 | 1.4 | 5:53  | 8:50 |  |
| 29   | Wed | 8:05  | 5.3 | 7:48  | 7.6 | 2:02  | 0.6  | 1:31  | 2.3 | 5:54  | 8:49 |  |
| 30   | Thu | 9:23  | 5.1 | 8:43  | 7.4 | 3:12  | 0.6  | 2:34  | 3.0 | 5:55  | 8:48 |  |
| 31   | Fri | 10:38 | 5.3 | 9:43  | 7.4 | 4:20  | 0.3  | 3:42  | 3.3 | 5:56  | 8:46 |  |