


































## Astoria (Port Docks), OR - Jan 1990

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|---|------|---|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise  | Set  | Moon  |
| 1    | Mon | 4:10  | 7.8 | 3:30     | 8.1 | 9:59  | 2.8 | 10:14 | 0.1  | 7:58  | 4:40 |    |
| 2    | Tue | 4:45  | 8.0 | 4:26     | 7.4 | 10:51 | 2.5 | 10:52 | 0.7  | 7:58  | 4:41 |    |
| 3    | Wed | 5:24  | 8.3 | 5:32     | 6.7 | 11:52 | 2.2 | 11:37 | 1.6  | 7:58  | 4:42 |    |
| 4    | Thu | 6:09  | 8.5 | 6:53     | 6.1 |       |     | 1:03  | 1.8  | 7:57  | 4:43 |    |
| 5    | Fri | 7:00  | 8.8 | 8:21     | 5.9 | 12:30 | 2.4 | 2:19  | 1.3  | 7:57  | 4:44 |    |
| 6    | Sat | 7:57  | 9.0 | 9:44     | 6.1 | 1:36  | 3.2 | 3:30  | 0.6  | 7:57  | 4:45 |    |
| 7    | Sun | 8:57  | 9.2 | 10:56    | 6.6 | 2:49  | 3.7 | 4:35  | -0.1 | 7:57  | 4:46 |    |
| 8    | Mon | 9:58  | 9.4 | 11:55    | 7.1 | 4:00  | 3.9 | 5:33  | -0.6 | 7:57  | 4:47 |    |
| 9    | Tue | 10:56 | 9.6 |          |     | 5:05  | 3.8 | 6:25  | -1.0 | 7:56  | 4:48 |    |
| 10   | Wed | 12:46 | 7.5 | 11:50 AM | 9.6 | 6:04  | 3.6 | 7:13  | -1.1 | 7:56  | 4:49 |    |
| 11   | Thu | 1:32  | 7.8 | 12:41    | 9.5 | 6:59  | 3.3 | 7:56  | -1.1 | 7:55  | 4:51 |    |
| 12   | Fri | 2:15  | 8.0 | 1:29     | 9.2 | 7:50  | 3.0 | 8:36  | -0.9 | 7:55  | 4:52 |   |
| 13   | Sat | 2:55  | 8.2 | 2:15     | 8.8 | 8:37  | 2.7 | 9:12  | -0.5 | 7:54  | 4:53 |  |
| 14   | Sun | 3:32  | 8.2 | 3:00     | 8.2 | 9:23  | 2.5 | 9:45  | 0.1  | 7:54  | 4:54 |  |
| 15   | Mon | 4:08  | 8.2 | 3:47     | 7.5 | 10:09 | 2.3 | 10:16 | 0.7  | 7:53  | 4:56 |  |
| 16   | Tue | 4:41  | 8.2 | 4:36     | 6.8 | 10:56 | 2.3 | 10:47 | 1.5  | 7:53  | 4:57 |  |
| 17   | Wed | 5:15  | 8.1 | 5:33     | 6.1 | 11:47 | 2.2 | 11:21 | 2.3  | 7:52  | 4:58 |  |
| 18   | Thu | 5:50  | 8.0 | 6:42     | 5.6 |       |     | 12:46 | 2.2  | 7:51  | 5:00 |  |
| 19   | Fri | 6:31  | 8.0 | 8:02     | 5.4 | 12:03 | 3.1 | 1:52  | 2.0  | 7:51  | 5:01 |  |
| 20   | Sat | 7:18  | 7.9 | 9:22     | 5.5 | 12:58 | 3.8 | 3:00  | 1.7  | 7:50  | 5:02 |  |
| 21   | Sun | 8:13  | 8.0 | 10:31    | 5.9 | 2:07  | 4.2 | 4:01  | 1.2  | 7:49  | 5:04 |  |
| 22   | Mon | 9:10  | 8.1 | 11:25    | 6.4 | 3:18  | 4.4 | 4:54  | 0.8  | 7:48  | 5:05 |  |
| 23   | Tue | 10:05 | 8.3 |          |     | 4:20  | 4.4 | 5:40  | 0.3  | 7:47  | 5:07 |  |
| 24   | Wed | 12:10 | 6.8 | 10:54 AM | 8.6 | 5:15  | 4.1 | 6:22  | -0.2 | 7:46  | 5:08 |  |
| 25   | Thu | 12:49 | 7.1 | 11:41 AM | 8.8 | 6:04  | 3.8 | 7:00  | -0.5 | 7:45  | 5:09 |  |
| 26   | Fri | 1:25  | 7.4 | 12:25    | 9.0 | 6:50  | 3.3 | 7:35  | -0.7 | 7:44  | 5:11 |  |
| 27   | Sat | 1:58  | 7.7 | 1:08     | 9.0 | 7:34  | 2.9 | 8:09  | -0.7 | 7:43  | 5:12 |  |
| 28   | Sun | 2:29  | 7.9 | 1:53     | 8.9 | 8:16  | 2.4 | 8:42  | -0.6 | 7:42  | 5:14 |  |
| 29   | Mon | 3:00  | 8.2 | 2:38     | 8.5 | 8:59  | 1.9 | 9:14  | -0.2 | 7:41  | 5:15 |  |
| 30   | Tue | 3:31  | 8.5 | 3:28     | 8.0 | 9:44  | 1.5 | 9:47  | 0.4  | 7:40  | 5:17 |  |
| 31   | Wed | 4:04  | 8.8 | 4:23     | 7.2 | 10:34 | 1.3 | 10:24 | 1.2  | 7:39  | 5:18 |  |