

## Astoria, OR - Aug 2012

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 12:41 | 9.2 | 2:03  | 7.7 | 7:45  | -1.5 | 7:41     | 1.6  | 5:57                                                                                | 8:44 |    |
| 2    | Thu | 1:33  | 9.1 | 2:45  | 8.0 | 8:28  | -1.5 | 8:32     | 1.2  | 5:59                                                                                | 8:43 |    |
| 3    | Fri | 2:22  | 8.8 | 3:25  | 8.1 | 9:07  | -1.3 | 9:19     | 0.9  | 6:00                                                                                | 8:42 |    |
| 4    | Sat | 3:09  | 8.4 | 4:02  | 8.2 | 9:44  | -0.9 | 10:05    | 0.8  | 6:01                                                                                | 8:40 |    |
| 5    | Sun | 3:55  | 7.9 | 4:37  | 8.1 | 10:18 | -0.3 | 10:49    | 0.7  | 6:02                                                                                | 8:39 |    |
| 6    | Mon | 4:41  | 7.4 | 5:10  | 8.0 | 10:51 | 0.3  | 11:33    | 0.8  | 6:03                                                                                | 8:37 |    |
| 7    | Tue | 5:30  | 6.7 | 5:44  | 7.9 | 11:24 | 1.0  |          |      | 6:05                                                                                | 8:36 |    |
| 8    | Wed | 6:24  | 6.2 | 6:21  | 7.7 | 12:21 | 0.9  | 12:00    | 1.7  | 6:06                                                                                | 8:34 |    |
| 9    | Thu | 7:26  | 5.7 | 7:04  | 7.5 | 1:15  | 1.1  | 12:44    | 2.3  | 6:07                                                                                | 8:33 |    |
| 10   | Fri | 8:37  | 5.4 | 7:57  | 7.4 | 2:19  | 1.2  | 1:41     | 2.9  | 6:08                                                                                | 8:31 |    |
| 11   | Sat | 9:52  | 5.5 | 8:58  | 7.3 | 3:28  | 1.0  | 2:51     | 3.2  | 6:10                                                                                | 8:30 |    |
| 12   | Sun | 10:58 | 5.8 | 10:01 | 7.4 | 4:31  | 0.7  | 4:02     | 3.2  | 6:11                                                                                | 8:28 |   |
| 13   | Mon | 11:52 | 6.2 | 10:59 | 7.7 | 5:26  | 0.3  | 5:04     | 2.9  | 6:12                                                                                | 8:26 |  |
| 14   | Tue |       |     | 12:37 | 6.6 | 6:12  | -0.2 | 5:58     | 2.6  | 6:13                                                                                | 8:25 |  |
| 15   | Wed |       |     | 1:16  | 7.0 | 6:53  | -0.5 | 6:46     | 2.1  | 6:15                                                                                | 8:23 |  |
| 16   | Thu | 12:37 | 8.2 | 1:51  | 7.3 | 7:31  | -0.8 | 7:31     | 1.6  | 6:16                                                                                | 8:21 |  |
| 17   | Fri | 1:21  | 8.3 | 2:24  | 7.6 | 8:07  | -0.9 | 8:15     | 1.1  | 6:17                                                                                | 8:20 |  |
| 18   | Sat | 2:04  | 8.4 | 2:55  | 7.9 | 8:42  | -0.9 | 8:57     | 0.7  | 6:18                                                                                | 8:18 |  |
| 19   | Sun | 2:48  | 8.3 | 3:27  | 8.2 | 9:16  | -0.7 | 9:39     | 0.3  | 6:20                                                                                | 8:16 |  |
| 20   | Mon | 3:34  | 8.0 | 3:59  | 8.5 | 9:50  | -0.3 | 10:23    | 0.0  | 6:21                                                                                | 8:15 |  |
| 21   | Tue | 4:22  | 7.6 | 4:35  | 8.7 | 10:26 | 0.2  | 11:10    | -0.1 | 6:22                                                                                | 8:13 |  |
| 22   | Wed | 5:16  | 7.1 | 5:16  | 8.8 | 11:05 | 0.8  |          |      | 6:23                                                                                | 8:11 |  |
| 23   | Thu | 6:17  | 6.5 | 6:03  | 8.6 | 12:03 | 0.0  | 11:51 AM | 1.5  | 6:25                                                                                | 8:09 |  |
| 24   | Fri | 7:29  | 6.0 | 7:01  | 8.4 | 1:08  | 0.1  | 12:48    | 2.2  | 6:26                                                                                | 8:07 |  |
| 25   | Sat | 8:49  | 5.9 | 8:11  | 8.2 | 2:24  | 0.2  | 2:03     | 2.6  | 6:27                                                                                | 8:06 |  |
| 26   | Sun | 10:07 | 6.1 | 9:26  | 8.1 | 3:41  | 0.0  | 3:25     | 2.7  | 6:28                                                                                | 8:04 |  |
| 27   | Mon | 11:13 | 6.6 | 10:38 | 8.2 | 4:50  | -0.4 | 4:39     | 2.4  | 6:30                                                                                | 8:02 |  |
| 28   | Tue |       |     | 12:07 | 7.1 | 5:47  | -0.7 | 5:43     | 1.8  | 6:31                                                                                | 8:00 |  |
| 29   | Wed |       |     | 12:53 | 7.6 | 6:37  | -0.9 | 6:39     | 1.2  | 6:32                                                                                | 7:58 |  |
| 30   | Thu | 12:35 | 8.5 | 1:34  | 8.0 | 7:20  | -1.0 | 7:29     | 0.7  | 6:34                                                                                | 7:56 |  |
| 31   | Fri | 1:25  | 8.5 | 2:12  | 8.2 | 8:00  | -0.8 | 8:16     | 0.3  | 6:35                                                                                | 7:55 |  |