

## Astoria (Port Docks), OR - Jan 1812

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 3:09  | 7.9 | 2:20     | 8.5 | 8:46  | 3.1 | 9:22  | -0.1 | 8:05                                                                                | 4:46 |    |
| 2    | Thu | 3:48  | 7.9 | 2:59     | 8.1 | 9:29  | 3.1 | 9:55  | 0.3  | 8:05                                                                                | 4:47 |    |
| 3    | Fri | 4:26  | 7.7 | 3:41     | 7.5 | 10:12 | 3.1 | 10:27 | 0.8  | 8:05                                                                                | 4:48 |    |
| 4    | Sat | 5:03  | 7.7 | 4:28     | 6.9 | 10:58 | 3.1 | 11:02 | 1.3  | 8:05                                                                                | 4:49 |    |
| 5    | Sun | 5:42  | 7.6 | 5:24     | 6.4 | 11:52 | 3.1 | 11:43 | 1.9  | 8:05                                                                                | 4:50 |    |
| 6    | Mon | 6:24  | 7.6 | 6:33     | 5.9 |       |     | 12:54 | 2.9  | 8:05                                                                                | 4:51 |    |
| 7    | Tue | 7:09  | 7.7 | 7:52     | 5.7 | 12:32 | 2.4 | 2:02  | 2.6  | 8:05                                                                                | 4:52 |    |
| 8    | Wed | 7:58  | 7.9 | 9:09     | 5.8 | 1:31  | 2.9 | 3:06  | 2.0  | 8:04                                                                                | 4:53 |    |
| 9    | Thu | 8:47  | 8.1 | 10:16    | 6.2 | 2:34  | 3.2 | 4:04  | 1.4  | 8:04                                                                                | 4:55 |    |
| 10   | Fri | 9:36  | 8.5 | 11:12    | 6.6 | 3:34  | 3.4 | 4:54  | 0.7  | 8:04                                                                                | 4:56 |    |
| 11   | Sat | 10:23 | 8.8 |          |     | 4:30  | 3.5 | 5:41  | 0.1  | 8:03                                                                                | 4:57 |    |
| 12   | Sun | 12:02 | 7.1 | 11:09 AM | 9.2 | 5:23  | 3.4 | 6:26  | -0.4 | 8:03                                                                                | 4:58 |    |
| 13   | Mon | 12:47 | 7.5 | 11:54 AM | 9.5 | 6:13  | 3.2 | 7:09  | -0.8 | 8:02                                                                                | 4:59 |   |
| 14   | Tue | 1:31  | 7.8 | 12:40    | 9.6 | 7:02  | 3.0 | 7:50  | -1.1 | 8:02                                                                                | 5:01 |  |
| 15   | Wed | 2:12  | 8.0 | 1:27     | 9.6 | 7:50  | 2.7 | 8:31  | -1.1 | 8:01                                                                                | 5:02 |  |
| 16   | Thu | 2:53  | 8.3 | 2:15     | 9.4 | 8:38  | 2.4 | 9:12  | -1.0 | 8:01                                                                                | 5:03 |  |
| 17   | Fri | 3:34  | 8.4 | 3:05     | 9.0 | 9:27  | 2.2 | 9:53  | -0.6 | 8:00                                                                                | 5:05 |  |
| 18   | Sat | 4:16  | 8.6 | 4:00     | 8.4 | 10:20 | 2.0 | 10:36 | 0.0  | 7:59                                                                                | 5:06 |  |
| 19   | Sun | 5:01  | 8.6 | 5:01     | 7.7 | 11:18 | 1.9 | 11:22 | 0.8  | 7:59                                                                                | 5:07 |  |
| 20   | Mon | 5:49  | 8.6 | 6:10     | 6.9 |       |     | 12:23 | 1.8  | 7:58                                                                                | 5:09 |  |
| 21   | Tue | 6:42  | 8.6 | 7:28     | 6.5 | 12:16 | 1.6 | 1:36  | 1.5  | 7:57                                                                                | 5:10 |  |
| 22   | Wed | 7:40  | 8.7 | 8:48     | 6.4 | 1:18  | 2.3 | 2:49  | 1.1  | 7:56                                                                                | 5:11 |  |
| 23   | Thu | 8:39  | 8.7 | 10:02    | 6.6 | 2:25  | 2.8 | 3:55  | 0.6  | 7:55                                                                                | 5:13 |  |
| 24   | Fri | 9:37  | 8.9 | 11:04    | 7.0 | 3:32  | 3.1 | 4:54  | 0.1  | 7:55                                                                                | 5:14 |  |
| 25   | Sat | 10:31 | 9.0 | 11:57    | 7.4 | 4:33  | 3.1 | 5:45  | -0.3 | 7:54                                                                                | 5:16 |  |
| 26   | Sun | 11:20 | 9.0 |          |     | 5:28  | 3.1 | 6:30  | -0.5 | 7:53                                                                                | 5:17 |  |
| 27   | Mon | 12:43 | 7.7 | 12:05    | 9.0 | 6:18  | 2.9 | 7:11  | -0.5 | 7:52                                                                                | 5:19 |  |
| 28   | Tue | 1:25  | 7.9 | 12:47    | 8.8 | 7:04  | 2.8 | 7:49  | -0.4 | 7:51                                                                                | 5:20 |  |
| 29   | Wed | 2:04  | 8.0 | 1:27     | 8.6 | 7:47  | 2.7 | 8:22  | -0.2 | 7:49                                                                                | 5:21 |  |
| 30   | Thu | 2:39  | 8.0 | 2:05     | 8.3 | 8:27  | 2.5 | 8:53  | 0.1  | 7:48                                                                                | 5:23 |  |
| 31   | Fri | 3:12  | 8.0 | 2:42     | 8.0 | 9:05  | 2.4 | 9:22  | 0.4  | 7:47                                                                                | 5:24 |  |