




































## Columbia River entrance, WA - Dec 2047

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|---|------|---|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise  | Set  | Moon  |
| 1    | Sun | 12:05 | 6.5 | 11:09 AM | 8.2 | 5:03  | 3.6 | 6:04  | -0.3 | 7:38  | 4:31 |    |
| 2    | Mon | 12:47 | 6.7 | 11:41 AM | 8.2 | 5:43  | 3.7 | 6:41  | -0.3 | 7:39  | 4:31 |    |
| 3    | Tue | 1:27  | 6.7 | 12:14    | 8.2 | 6:23  | 3.8 | 7:15  | -0.3 | 7:41  | 4:31 |    |
| 4    | Wed | 2:06  | 6.7 | 12:48    | 8.1 | 7:02  | 3.8 | 7:49  | -0.2 | 7:42  | 4:30 |    |
| 5    | Thu | 2:44  | 6.7 | 1:24     | 8.0 | 7:40  | 3.8 | 8:21  | -0.1 | 7:43  | 4:30 |    |
| 6    | Fri | 3:20  | 6.7 | 2:04     | 7.8 | 8:21  | 3.7 | 8:55  | 0.0  | 7:44  | 4:30 |    |
| 7    | Sat | 3:57  | 6.7 | 2:49     | 7.4 | 9:05  | 3.6 | 9:31  | 0.3  | 7:45  | 4:30 |    |
| 8    | Sun | 4:36  | 6.8 | 3:42     | 6.8 | 9:57  | 3.4 | 10:12 | 0.7  | 7:46  | 4:30 |    |
| 9    | Mon | 5:17  | 7.0 | 4:48     | 6.2 | 10:59 | 3.1 | 11:00 | 1.3  | 7:47  | 4:30 |    |
| 10   | Tue | 6:02  | 7.3 | 6:08     | 5.7 |       |     | 12:10 | 2.6  | 7:48  | 4:29 |    |
| 11   | Wed | 6:50  | 7.7 | 7:35     | 5.6 |       |     | 1:23  | 1.9  | 7:49  | 4:29 |   |
| 12   | Thu | 7:41  | 8.2 | 8:56     | 5.7 | 12:58 | 2.5 | 2:30  | 1.0  | 7:50  | 4:30 |  |
| 13   | Fri | 8:33  | 8.7 | 10:06    | 6.1 | 2:02  | 2.9 | 3:30  | 0.1  | 7:50  | 4:30 |  |
| 14   | Sat | 9:25  | 9.2 | 11:07    | 6.6 | 3:03  | 3.2 | 4:26  | -0.6 | 7:51  | 4:30 |  |
| 15   | Sun | 10:17 | 9.5 |          |     | 4:02  | 3.3 | 5:20  | -1.1 | 7:52  | 4:30 |  |
| 16   | Mon | 12:02 | 7.0 | 11:08 AM | 9.6 | 4:59  | 3.4 | 6:11  | -1.4 | 7:53  | 4:30 |  |
| 17   | Tue | 12:54 | 7.2 | 11:59 AM | 9.6 | 5:55  | 3.3 | 6:59  | -1.4 | 7:53  | 4:31 |  |
| 18   | Wed | 1:43  | 7.4 | 12:50    | 9.3 | 6:49  | 3.2 | 7:45  | -1.2 | 7:54  | 4:31 |  |
| 19   | Thu | 2:30  | 7.5 | 1:40     | 8.9 | 7:42  | 3.0 | 8:28  | -0.9 | 7:55  | 4:31 |  |
| 20   | Fri | 3:16  | 7.6 | 2:32     | 8.2 | 8:35  | 2.9 | 9:10  | -0.3 | 7:55  | 4:32 |  |
| 21   | Sat | 4:00  | 7.6 | 3:25     | 7.4 | 9:29  | 2.8 | 9:51  | 0.4  | 7:56  | 4:32 |  |
| 22   | Sun | 4:44  | 7.6 | 4:23     | 6.6 | 10:26 | 2.7 | 10:32 | 1.2  | 7:56  | 4:33 |  |
| 23   | Mon | 5:28  | 7.5 | 5:28     | 5.8 | 11:29 | 2.6 | 11:17 | 2.0  | 7:57  | 4:33 |  |
| 24   | Tue | 6:13  | 7.5 | 6:42     | 5.3 |       |     | 12:36 | 2.3  | 7:57  | 4:34 |  |
| 25   | Wed | 7:00  | 7.5 | 8:00     | 5.2 | 12:08 | 2.8 | 1:43  | 1.9  | 7:57  | 4:34 |  |
| 26   | Thu | 7:47  | 7.6 | 9:12     | 5.4 | 1:04  | 3.4 | 2:44  | 1.4  | 7:58  | 4:35 |  |
| 27   | Fri | 8:34  | 7.7 | 10:14    | 5.8 | 2:03  | 3.8 | 3:37  | 0.9  | 7:58  | 4:36 |  |
| 28   | Sat | 9:20  | 7.9 | 11:06    | 6.2 | 2:59  | 4.1 | 4:24  | 0.5  | 7:58  | 4:37 |  |
| 29   | Sun | 10:03 | 8.0 | 11:51    | 6.5 | 3:51  | 4.1 | 5:07  | 0.2  | 7:58  | 4:37 |  |
| 30   | Mon | 10:43 | 8.2 |          |     | 4:40  | 4.1 | 5:46  | -0.1 | 7:58  | 4:38 |  |

| Date      |     | High         |     |                     |     | Low         |     |             |      |  |      |   |
|-----------|-----|--------------|-----|---------------------|-----|-------------|-----|-------------|------|--|------|---|
|           |     | AM           | ft  | PM                  | ft  | AM          | ft  | PM          | ft   | Rise   | Set  | Moon  |
| <b>31</b> | Tue | <b>12:32</b> | 6.8 | <b>11:22<br/>AM</b> | 8.3 | <b>5:25</b> | 4.0 | <b>6:21</b> | -0.2 | 7:59   | 4:39 |  |