


































Columbia River entrance, WA - Dec 1999

| Date | | High | | | | Low | | | |  | |  |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|---|------|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 1 | Wed | 7:43 | 7.4 | 7:51 | 6.0 | 12:54 | 1.3 | 1:46 | 2.3 | 7:38 | 4:32 |  |
| 2 | Thu | 8:34 | 7.7 | 9:01 | 6.1 | 1:52 | 1.6 | 2:49 | 1.6 | 7:39 | 4:31 |  |
| 3 | Fri | 9:20 | 8.0 | 10:02 | 6.3 | 2:44 | 1.9 | 3:43 | 1.0 | 7:40 | 4:31 |  |
| 4 | Sat | 10:00 | 8.2 | 10:54 | 6.5 | 3:31 | 2.2 | 4:29 | 0.4 | 7:41 | 4:31 |  |
| 5 | Sun | 10:36 | 8.3 | 11:41 | 6.7 | 4:15 | 2.5 | 5:11 | 0.1 | 7:43 | 4:30 |  |
| 6 | Mon | 11:10 | 8.3 | | | 4:56 | 2.8 | 5:50 | -0.2 | 7:44 | 4:30 |  |
| 7 | Tue | 12:25 | 6.9 | 11:42 AM | 8.3 | 5:36 | 3.0 | 6:27 | -0.2 | 7:45 | 4:30 |  |
| 8 | Wed | 1:06 | 6.9 | 12:13 | 8.3 | 6:14 | 3.3 | 7:02 | -0.2 | 7:46 | 4:30 |  |
| 9 | Thu | 1:46 | 6.9 | 12:44 | 8.2 | 6:52 | 3.4 | 7:35 | -0.1 | 7:47 | 4:30 |  |
| 10 | Fri | 2:25 | 6.9 | 1:16 | 8.0 | 7:29 | 3.6 | 8:07 | 0.0 | 7:48 | 4:30 |  |
| 11 | Sat | 3:03 | 6.8 | 1:50 | 7.8 | 8:07 | 3.7 | 8:39 | 0.2 | 7:49 | 4:30 |  |
| 12 | Sun | 3:41 | 6.7 | 2:29 | 7.6 | 8:47 | 3.7 | 9:13 | 0.4 | 7:49 | 4:30 |  |
| 13 | Mon | 4:21 | 6.7 | 3:14 | 7.2 | 9:32 | 3.7 | 9:51 | 0.7 | 7:50 | 4:30 |  |
| 14 | Tue | 5:03 | 6.7 | 4:09 | 6.7 | 10:27 | 3.6 | 10:37 | 1.1 | 7:51 | 4:30 |  |
| 15 | Wed | 5:50 | 6.8 | 5:19 | 6.2 | 11:34 | 3.4 | 11:33 | 1.5 | 7:52 | 4:30 |  |
| 16 | Thu | 6:39 | 7.1 | 6:41 | 5.9 | | | 12:47 | 2.9 | 7:53 | 4:30 |  |
| 17 | Fri | 7:30 | 7.5 | 8:03 | 5.9 | 12:35 | 1.9 | 1:56 | 2.1 | 7:53 | 4:31 |  |
| 18 | Sat | 8:20 | 8.0 | 9:17 | 6.2 | 1:38 | 2.2 | 2:57 | 1.2 | 7:54 | 4:31 |  |
| 19 | Sun | 9:09 | 8.6 | 10:22 | 6.6 | 2:38 | 2.4 | 3:53 | 0.3 | 7:55 | 4:31 |  |
| 20 | Mon | 9:57 | 9.1 | 11:20 | 7.0 | 3:34 | 2.6 | 4:46 | -0.5 | 7:55 | 4:32 |  |
| 21 | Tue | 10:45 | 9.5 | | | 4:30 | 2.7 | 5:37 | -1.0 | 7:56 | 4:32 |  |
| 22 | Wed | 12:14 | 7.4 | 11:33 AM | 9.7 | 5:24 | 2.8 | 6:27 | -1.4 | 7:56 | 4:33 |  |
| 23 | Thu | 1:05 | 7.6 | 12:22 | 9.7 | 6:17 | 2.8 | 7:15 | -1.5 | 7:57 | 4:33 |  |
| 24 | Fri | 1:56 | 7.8 | 1:11 | 9.4 | 7:10 | 2.8 | 8:02 | -1.3 | 7:57 | 4:34 |  |
| 25 | Sat | 2:45 | 7.8 | 2:02 | 9.0 | 8:03 | 2.8 | 8:48 | -0.9 | 7:57 | 4:34 |  |
| 26 | Sun | 3:34 | 7.8 | 2:55 | 8.3 | 8:57 | 2.8 | 9:33 | -0.3 | 7:58 | 4:35 |  |
| 27 | Mon | 4:23 | 7.7 | 3:52 | 7.5 | 9:53 | 2.8 | 10:20 | 0.4 | 7:58 | 4:36 |  |
| 28 | Tue | 5:13 | 7.7 | 4:55 | 6.7 | 10:56 | 2.8 | 11:10 | 1.1 | 7:58 | 4:36 |  |
| 29 | Wed | 6:04 | 7.6 | 6:06 | 6.1 | | | 12:04 | 2.7 | 7:58 | 4:37 |  |
| 30 | Thu | 6:55 | 7.6 | 7:22 | 5.7 | 12:04 | 1.8 | 1:14 | 2.3 | 7:59 | 4:38 |  |
| 31 | Fri | 7:46 | 7.7 | 8:36 | 5.7 | 1:01 | 2.4 | 2:20 | 1.8 | 7:59 | 4:39 |  |