US HARBORS www.USHarbors.com

# Portland, OR - Dec 2048

| Date | | High | | | | Low | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 1 | Tue | 12:56 | 2.0 | 1:14 | 3.0 | 7:27 | 0.4 | 10:03 | 0.6 | 7:31 | 4:28 | |
| 2 | Wed | 1:56 | 2.0 | 1:59 | 3.4 | 8:09 | 0.4 | 10:58 | 0.4 | 7:32 | 4:28 | |
| 3 | Thu | 2:49 | 2.0 | 2:43 | 3.7 | 8:55 | 0.4 | 11:48 | 0.1 | 7:33 | 4:28 | |
| 4 | Fri | 3:38 | 2.0 | 3:27 | 3.9 | 9:47 | 0.4 | | | 7:34 | 4:27 | |
| 5 | Sat | 4:23 | 2.0 | 4:12 | 4.0 | 12:36 | 0.0 | 10:49 AM | 0.5 | 7:35 | 4:27 | |
| 6 | Sun | 5:09 | 2.0 | 4:57 | 4.0 | 1:21 | -0.1 | 11:52 AM | 0.5 | 7:36 | 4:27 | |
| 7 | Mon | 5:55 | 2.1 | 5:42 | 3.9 | 2:06 | -0.1 | 12:50 | 0.5 | 7:37 | 4:27 | |
| 8 | Tue | 6:42 | 2.1 | 6:30 | 3.6 | 2:50 | -0.1 | 1:45 | 0.6 | 7:38 | 4:27 | |
| 9 | Wed | 7:34 | 2.1 | 7:19 | 3.2 | 3:33 | 0.0 | 2:40 | 0.7 | 7:39 | 4:27 | |
| 10 | Thu | 8:30 | 2.1 | 8:13 | 2.9 | 4:17 | 0.1 | 3:39 | 0.8 | 7:40 | 4:27 | |
| 11 | Fri | 9:33 | 2.2 | 9:13 | 2.5 | 5:01 | 0.3 | 4:49 | 1.0 | 7:41 | 4:27 | |
| 12 | Sat | 10:39 | 2.4 | 10:23 | 2.2 | 5:45 | 0.4 | 6:21 | 1.0 | 7:42 | 4:27 | |
| 13 | Sun | 11:39 | 2.6 | 11:41 | 2.0 | 6:29 | 0.4 | 7:52 | 0.9 | 7:43 | 4:27 | |
| 14 | Mon | | | 12:30 | 2.8 | 7:10 | 0.5 | 9:04 | 0.7 | 7:43 | 4:27 | |
| 15 | Tue | 12:57 | 1.9 | 1:14 | 2.9 | 7:45 | 0.6 | 10:01 | 0.4 | 7:44 | 4:28 | |
| 16 | Wed | 2:02 | 1.9 | 1:55 | 3.1 | 8:10 | 0.6 | 10:52 | 0.3 | 7:45 | 4:28 | |
| 17 | Thu | 2:54 | 2.0 | 2:34 | 3.2 | 8:33 | 0.6 | 11:38 | 0.1 | 7:45 | 4:28 | |
| 18 | Fri | 3:40 | 2.0 | 3:12 | 3.3 | 9:15 | 0.7 | | | 7:46 | 4:28 | |
| 19 | Sat | 4:21 | 2.1 | 3:51 | 3.3 | 12:21 | 0.1 | 10:13 AM | 0.7 | 7:47 | 4:29 | |
| 20 | Sun | 4:59 | 2.1 | 4:30 | 3.4 | 1:01 | 0.1 | 11:13 AM | 0.7 | 7:47 | 4:29 | |
| 21 | Mon | 5:36 | 2.1 | 5:10 | 3.3 | 1:38 | 0.1 | 12:07 | 0.7 | 7:48 | 4:30 | |
| 22 | Tue | 6:12 | 2.1 | 5:50 | 3.3 | 2:11 | 0.2 | 12:55 | 0.7 | 7:48 | 4:30 | |
| 23 | Wed | 6:49 | 2.1 | 6:31 | 3.1 | 2:41 | 0.3 | 1:40 | 0.8 | 7:48 | 4:31 | |
| 24 | Thu | 7:28 | 2.2 | 7:15 | 2.9 | 3:06 | 0.3 | 2:25 | 0.8 | 7:49 | 4:32 | |
| 25 | Fri | 8:10 | 2.2 | 8:02 | 2.7 | 3:30 | 0.4 | 3:12 | 0.9 | 7:49 | 4:32 | |
| 26 | Sat | 8:56 | 2.4 | 8:55 | 2.4 | 3:56 | 0.4 | 4:04 | 1.1 | 7:49 | 4:33 | |
| 27 | Sun | 9:46 | 2.5 | 9:57 | 2.1 | 4:26 | 0.4 | 5:12 | 1.1 | 7:50 | 4:34 | |
| 28 | Mon | 10:39 | 2.7 | 11:09 | 1.9 | 5:02 | 0.4 | 7:10 | 1.1 | 7:50 | 4:35 | |
| 29 | Tue | 11:33 | 3.0 | | | 5:43 | 0.4 | 8:45 | 0.9 | 7:50 | 4:35 | |
| 30 | Wed | 12:23 | 1.8 | 12:28 | 3.2 | 6:27 | 0.4 | 9:50 | 0.6 | 7:50 | 4:36 | |

| Date | | High | | | | Low | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 31 | Thu | **1:31** | 1.8 | **1:21** | 3.4 | **7:15** | 0.4 | | | 7:50 | 4:37 | |