


































Hammond, Columbia River, OR - Dec 1984

| Date | | High | | | | Low | | | |  | |  |
|------|-----|-------|------|----------|------|-------|-----|-------|------|---|------|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 1 | Sat | 8:03 | 7.3 | 7:50 | 6.0 | 1:00 | 1.8 | 2:14 | 3.2 | 7:38 | 4:31 |  |
| 2 | Sun | 8:47 | 7.6 | 9:04 | 6.0 | 1:55 | 2.1 | 3:12 | 2.5 | 7:39 | 4:31 |  |
| 3 | Mon | 9:26 | 7.9 | 10:07 | 6.2 | 2:46 | 2.4 | 3:59 | 1.7 | 7:40 | 4:30 |  |
| 4 | Tue | 10:01 | 8.2 | 11:01 | 6.5 | 3:32 | 2.7 | 4:40 | 1.0 | 7:41 | 4:30 |  |
| 5 | Wed | 10:34 | 8.6 | 11:48 | 6.8 | 4:13 | 3.0 | 5:17 | 0.4 | 7:43 | 4:30 |  |
| 6 | Thu | 11:07 | 8.9 | | | 4:52 | 3.2 | 5:52 | -0.1 | 7:44 | 4:30 |  |
| 7 | Fri | 12:32 | 7.1 | 11:40 AM | 9.1 | 5:30 | 3.5 | 6:27 | -0.5 | 7:45 | 4:29 |  |
| 8 | Sat | 1:14 | 7.3 | 12:14 | 9.3 | 6:07 | 3.7 | 7:03 | -0.7 | 7:46 | 4:29 |  |
| 9 | Sun | 1:56 | 7.4 | 12:50 | 9.4 | 6:44 | 3.8 | 7:41 | -0.9 | 7:47 | 4:29 |  |
| 10 | Mon | 2:38 | 7.5 | 1:29 | 9.4 | 7:23 | 3.9 | 8:20 | -0.8 | 7:47 | 4:29 |  |
| 11 | Tue | 3:21 | 7.5 | 2:12 | 9.2 | 8:06 | 3.9 | 9:03 | -0.7 | 7:48 | 4:29 |  |
| 12 | Wed | 4:06 | 7.4 | 2:59 | 8.8 | 8:55 | 3.9 | 9:48 | -0.4 | 7:49 | 4:29 |  |
| 13 | Thu | 4:53 | 7.4 | 3:53 | 8.3 | 9:52 | 3.9 | 10:38 | 0.0 | 7:50 | 4:30 |  |
| 14 | Fri | 5:43 | 7.6 | 4:57 | 7.7 | 11:01 | 3.7 | 11:31 | 0.5 | 7:51 | 4:30 |  |
| 15 | Sat | 6:35 | 7.8 | 6:13 | 7.0 | | | 12:19 | 3.2 | 7:52 | 4:30 |  |
| 16 | Sun | 7:27 | 8.2 | 7:37 | 6.7 | 12:29 | 1.1 | 1:38 | 2.4 | 7:52 | 4:30 |  |
| 17 | Mon | 8:18 | 8.7 | 9:00 | 6.6 | 1:28 | 1.7 | 2:48 | 1.5 | 7:53 | 4:30 |  |
| 18 | Tue | 9:08 | 9.2 | 10:13 | 6.9 | 2:28 | 2.2 | 3:49 | 0.5 | 7:54 | 4:31 |  |
| 19 | Wed | 9:55 | 9.7 | 11:16 | 7.3 | 3:25 | 2.6 | 4:42 | -0.4 | 7:54 | 4:31 |  |
| 20 | Thu | 10:41 | 10.0 | | | 4:18 | 3.0 | 5:31 | -0.9 | 7:55 | 4:32 |  |
| 21 | Fri | 12:12 | 7.6 | 11:26 AM | 10.2 | 5:09 | 3.2 | 6:17 | -1.3 | 7:55 | 4:32 |  |
| 22 | Sat | 1:03 | 7.8 | 12:11 | 10.1 | 5:58 | 3.4 | 7:00 | -1.3 | 7:56 | 4:33 |  |
| 23 | Sun | 1:51 | 8.0 | 12:54 | 9.9 | 6:46 | 3.6 | 7:42 | -1.1 | 7:56 | 4:33 |  |
| 24 | Mon | 2:36 | 8.0 | 1:38 | 9.5 | 7:32 | 3.7 | 8:23 | -0.8 | 7:57 | 4:34 |  |
| 25 | Tue | 3:19 | 7.9 | 2:20 | 9.0 | 8:19 | 3.8 | 9:03 | -0.4 | 7:57 | 4:35 |  |
| 26 | Wed | 4:01 | 7.8 | 3:04 | 8.4 | 9:07 | 3.8 | 9:42 | 0.2 | 7:57 | 4:35 |  |
| 27 | Thu | 4:43 | 7.6 | 3:49 | 7.6 | 10:00 | 3.8 | 10:22 | 0.8 | 7:57 | 4:36 |  |
| 28 | Fri | 5:24 | 7.5 | 4:40 | 6.9 | 10:58 | 3.7 | 11:04 | 1.4 | 7:58 | 4:37 |  |
| 29 | Sat | 6:07 | 7.5 | 5:41 | 6.2 | | | 12:05 | 3.5 | 7:58 | 4:38 |  |
| 30 | Sun | 6:51 | 7.6 | 6:57 | 5.8 | | | 1:15 | 3.1 | 7:58 | 4:38 |  |
| 31 | Mon | 7:36 | 7.7 | 8:23 | 5.6 | 12:39 | 2.7 | 2:21 | 2.5 | 7:58 | 4:39 |  |