

## Hammond, Columbia River, OR - Aug 1857

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sat | 10:57 | 5.5 | 9:25  | 7.6 | 3:56  | 0.4  | 3:16     | 3.9 | 5:04                                                                                | 7:53 |    |
| 2    | Sun | 11:41 | 5.9 | 10:18 | 7.9 | 4:44  | -0.1 | 4:14     | 3.8 | 5:05                                                                                | 7:51 |    |
| 3    | Mon |       |     | 12:19 | 6.2 | 5:27  | -0.6 | 5:03     | 3.4 | 5:07                                                                                | 7:50 |    |
| 4    | Tue |       |     | 12:53 | 6.5 | 6:05  | -1.0 | 5:47     | 3.0 | 5:08                                                                                | 7:48 |    |
| 5    | Wed |       |     | 1:26  | 6.8 | 6:40  | -1.3 | 6:29     | 2.5 | 5:09                                                                                | 7:47 |    |
| 6    | Thu | 12:35 | 8.5 | 1:58  | 7.0 | 7:14  | -1.4 | 7:11     | 2.0 | 5:10                                                                                | 7:46 |    |
| 7    | Fri | 1:18  | 8.4 | 2:30  | 7.3 | 7:48  | -1.4 | 7:54     | 1.5 | 5:11                                                                                | 7:44 |    |
| 8    | Sat | 2:03  | 8.1 | 3:03  | 7.6 | 8:22  | -1.1 | 8:40     | 1.1 | 5:13                                                                                | 7:43 |    |
| 9    | Sun | 2:51  | 7.7 | 3:37  | 7.9 | 8:56  | -0.6 | 9:29     | 0.7 | 5:14                                                                                | 7:41 |    |
| 10   | Mon | 3:42  | 7.0 | 4:14  | 8.1 | 9:33  | 0.2  | 10:24    | 0.5 | 5:15                                                                                | 7:40 |    |
| 11   | Tue | 4:40  | 6.3 | 4:55  | 8.2 | 10:13 | 1.0  | 11:27    | 0.3 | 5:16                                                                                | 7:38 |    |
| 12   | Wed | 5:50  | 5.7 | 5:44  | 8.3 | 11:00 | 1.9  |          |     | 5:18                                                                                | 7:36 |   |
| 13   | Thu | 7:13  | 5.2 | 6:42  | 8.2 | 12:39 | 0.2  | 11:59 AM | 2.8 | 5:19                                                                                | 7:35 |  |
| 14   | Fri | 8:44  | 5.3 | 7:50  | 8.2 | 1:56  | -0.1 | 1:14     | 3.3 | 5:20                                                                                | 7:33 |  |
| 15   | Sat | 10:03 | 5.7 | 9:00  | 8.3 | 3:11  | -0.4 | 2:36     | 3.5 | 5:21                                                                                | 7:32 |  |
| 16   | Sun | 11:03 | 6.2 | 10:05 | 8.5 | 4:14  | -0.8 | 3:50     | 3.2 | 5:23                                                                                | 7:30 |  |
| 17   | Mon | 11:51 | 6.6 | 11:03 | 8.6 | 5:08  | -1.2 | 4:52     | 2.7 | 5:24                                                                                | 7:28 |  |
| 18   | Tue |       |     | 12:32 | 7.0 | 5:53  | -1.3 | 5:45     | 2.2 | 5:25                                                                                | 7:27 |  |
| 19   | Wed |       |     | 1:10  | 7.3 | 6:33  | -1.3 | 6:32     | 1.7 | 5:26                                                                                | 7:25 |  |
| 20   | Thu | 12:41 | 8.4 | 1:44  | 7.5 | 7:09  | -1.1 | 7:15     | 1.3 | 5:28                                                                                | 7:23 |  |
| 21   | Fri | 1:25  | 8.0 | 2:16  | 7.5 | 7:42  | -0.8 | 7:56     | 1.0 | 5:29                                                                                | 7:21 |  |
| 22   | Sat | 2:08  | 7.5 | 2:46  | 7.6 | 8:12  | -0.2 | 8:36     | 0.8 | 5:30                                                                                | 7:20 |  |
| 23   | Sun | 2:50  | 6.9 | 3:15  | 7.5 | 8:42  | 0.4  | 9:17     | 0.7 | 5:32                                                                                | 7:18 |  |
| 24   | Mon | 3:33  | 6.3 | 3:44  | 7.4 | 9:11  | 1.1  | 10:00    | 0.8 | 5:33                                                                                | 7:16 |  |
| 25   | Tue | 4:20  | 5.7 | 4:14  | 7.3 | 9:42  | 1.9  | 10:47    | 0.9 | 5:34                                                                                | 7:14 |  |
| 26   | Wed | 5:15  | 5.2 | 4:48  | 7.1 | 10:16 | 2.7  | 11:44    | 1.1 | 5:35                                                                                | 7:12 |  |
| 27   | Thu | 6:26  | 4.8 | 5:32  | 7.0 | 10:58 | 3.3  |          |     | 5:37                                                                                | 7:11 |  |
| 28   | Fri | 7:58  | 4.7 | 6:32  | 6.8 | 12:54 | 1.1  | 12:03    | 3.9 | 5:38                                                                                | 7:09 |  |
| 29   | Sat | 9:27  | 5.0 | 7:45  | 6.8 | 2:11  | 1.0  | 1:32     | 4.1 | 5:39                                                                                | 7:07 |  |
| 30   | Sun | 10:26 | 5.4 | 8:55  | 7.1 | 3:19  | 0.6  | 2:54     | 3.9 | 5:40                                                                                | 7:05 |  |
| 31   | Mon | 11:06 | 5.8 | 9:55  | 7.5 | 4:12  | 0.1  | 3:56     | 3.4 | 5:42                                                                                | 7:03 |  |