

## Hammond, Columbia River, OR - Sep 1863

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 3:00  | 7.5 | 3:11  | 8.5 | 8:39  | 0.4  | 9:25     | -0.3 | 5:42                                                                                | 7:02 |    |
| 2    | Wed | 3:51  | 6.8 | 3:51  | 8.2 | 9:20  | 1.2  | 10:16    | 0.0  | 5:44                                                                                | 7:00 |    |
| 3    | Thu | 4:46  | 6.2 | 4:34  | 7.7 | 10:03 | 2.0  | 11:13    | 0.4  | 5:45                                                                                | 6:58 |    |
| 4    | Fri | 5:49  | 5.6 | 5:23  | 7.3 | 10:54 | 2.7  |          |      | 5:46                                                                                | 6:56 |    |
| 5    | Sat | 7:03  | 5.3 | 6:22  | 6.9 | 12:19 | 0.8  | 11:58 AM | 3.2  | 5:47                                                                                | 6:54 |    |
| 6    | Sun | 8:22  | 5.4 | 7:31  | 6.7 | 1:32  | 0.9  | 1:18     | 3.5  | 5:49                                                                                | 6:52 |    |
| 7    | Mon | 9:30  | 5.6 | 8:40  | 6.7 | 2:41  | 0.8  | 2:36     | 3.3  | 5:50                                                                                | 6:51 |    |
| 8    | Tue | 10:19 | 6.0 | 9:39  | 6.9 | 3:38  | 0.6  | 3:38     | 2.9  | 5:51                                                                                | 6:49 |    |
| 9    | Wed | 10:58 | 6.4 | 10:30 | 7.1 | 4:23  | 0.4  | 4:27     | 2.3  | 5:52                                                                                | 6:47 |    |
| 10   | Thu | 11:31 | 6.7 | 11:14 | 7.3 | 5:01  | 0.2  | 5:08     | 1.8  | 5:54                                                                                | 6:45 |    |
| 11   | Fri |       |     | 12:01 | 7.1 | 5:34  | 0.0  | 5:45     | 1.2  | 5:55                                                                                | 6:43 |    |
| 12   | Sat |       |     | 12:31 | 7.4 | 6:05  | 0.1  | 6:20     | 0.7  | 5:56                                                                                | 6:41 |   |
| 13   | Sun | 12:35 | 7.5 | 1:00  | 7.7 | 6:34  | 0.2  | 6:55     | 0.3  | 5:58                                                                                | 6:39 |  |
| 14   | Mon | 1:15  | 7.4 | 1:29  | 7.9 | 7:04  | 0.4  | 7:30     | 0.0  | 5:59                                                                                | 6:37 |  |
| 15   | Tue | 1:55  | 7.3 | 1:59  | 8.1 | 7:34  | 0.7  | 8:08     | -0.3 | 6:00                                                                                | 6:35 |  |
| 16   | Wed | 2:38  | 7.0 | 2:32  | 8.2 | 8:07  | 1.1  | 8:48     | -0.4 | 6:01                                                                                | 6:33 |  |
| 17   | Thu | 3:23  | 6.6 | 3:08  | 8.2 | 8:42  | 1.6  | 9:34     | -0.3 | 6:03                                                                                | 6:31 |  |
| 18   | Fri | 4:15  | 6.2 | 3:50  | 8.1 | 9:23  | 2.1  | 10:28    | -0.1 | 6:04                                                                                | 6:29 |  |
| 19   | Sat | 5:16  | 5.8 | 4:42  | 7.9 | 10:13 | 2.6  | 11:32    | 0.1  | 6:05                                                                                | 6:27 |  |
| 20   | Sun | 6:28  | 5.6 | 5:47  | 7.7 | 11:19 | 3.0  |          |      | 6:06                                                                                | 6:25 |  |
| 21   | Mon | 7:44  | 5.7 | 7:04  | 7.5 | 12:46 | 0.2  | 12:42    | 3.1  | 6:08                                                                                | 6:23 |  |
| 22   | Tue | 8:53  | 6.2 | 8:23  | 7.6 | 2:01  | 0.1  | 2:08     | 2.7  | 6:09                                                                                | 6:21 |  |
| 23   | Wed | 9:50  | 6.8 | 9:33  | 7.8 | 3:07  | -0.2 | 3:21     | 1.9  | 6:10                                                                                | 6:19 |  |
| 24   | Thu | 10:37 | 7.4 | 10:35 | 8.0 | 4:02  | -0.4 | 4:21     | 1.1  | 6:12                                                                                | 6:17 |  |
| 25   | Fri | 11:20 | 8.0 | 11:31 | 8.2 | 4:50  | -0.4 | 5:13     | 0.2  | 6:13                                                                                | 6:15 |  |
| 26   | Sat |       |     | 12:00 | 8.5 | 5:33  | -0.3 | 6:01     | -0.5 | 6:14                                                                                | 6:13 |  |
| 27   | Sun | 12:23 | 8.2 | 12:39 | 8.8 | 6:13  | -0.1 | 6:46     | -0.9 | 6:15                                                                                | 6:11 |  |
| 28   | Mon | 1:12  | 8.0 | 1:16  | 8.9 | 6:52  | 0.4  | 7:30     | -1.1 | 6:17                                                                                | 6:09 |  |
| 29   | Tue | 1:59  | 7.7 | 1:53  | 8.8 | 7:30  | 0.9  | 8:12     | -1.0 | 6:18                                                                                | 6:07 |  |
| 30   | Wed | 2:47  | 7.3 | 2:30  | 8.5 | 8:09  | 1.5  | 8:55     | -0.7 | 6:19                                                                                | 6:05 |  |