

## Raymond, Willapa River, WA - Dec 1863

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 5:28  | 8.8  | 4:43     | 8.7  | 10:53 | 4.3 | 11:10 | 1.5  | 7:46                                                                                | 4:36 |    |
| 2    | Wed | 6:13  | 8.9  | 5:40     | 8.1  | 11:54 | 4.2 | 11:55 | 2.0  | 7:47                                                                                | 4:36 |    |
| 3    | Thu | 6:59  | 9.1  | 6:48     | 7.5  |       |     | 1:02  | 3.9  | 7:48                                                                                | 4:35 |    |
| 4    | Fri | 7:47  | 9.4  | 8:05     | 7.3  | 12:46 | 2.6 | 2:10  | 3.3  | 7:49                                                                                | 4:35 |    |
| 5    | Sat | 8:34  | 9.8  | 9:18     | 7.4  | 1:42  | 3.0 | 3:09  | 2.5  | 7:50                                                                                | 4:35 |    |
| 6    | Sun | 9:19  | 10.3 | 10:23    | 7.7  | 2:39  | 3.4 | 4:01  | 1.5  | 7:51                                                                                | 4:34 |    |
| 7    | Mon | 10:03 | 10.8 | 11:21    | 8.2  | 3:34  | 3.6 | 4:48  | 0.6  | 7:52                                                                                | 4:34 |    |
| 8    | Tue | 10:46 | 11.3 |          |      | 4:26  | 3.7 | 5:32  | -0.3 | 7:53                                                                                | 4:34 |    |
| 9    | Wed | 12:13 | 8.7  | 11:29 AM | 11.8 | 5:16  | 3.6 | 6:16  | -1.1 | 7:54                                                                                | 4:34 |    |
| 10   | Thu | 1:01  | 9.1  | 12:15    | 12.2 | 6:04  | 3.5 | 6:59  | -1.6 | 7:55                                                                                | 4:34 |    |
| 11   | Fri | 1:47  | 9.5  | 1:01     | 12.3 | 6:52  | 3.4 | 7:43  | -1.9 | 7:56                                                                                | 4:34 |    |
| 12   | Sat | 2:33  | 9.8  | 1:49     | 12.2 | 7:40  | 3.3 | 8:27  | -1.8 | 7:57                                                                                | 4:34 |    |
| 13   | Sun | 3:19  | 10.0 | 2:39     | 11.8 | 8:31  | 3.2 | 9:13  | -1.4 | 7:58                                                                                | 4:34 |   |
| 14   | Mon | 4:07  | 10.2 | 3:33     | 11.2 | 9:26  | 3.1 | 10:00 | -0.8 | 7:59                                                                                | 4:34 |  |
| 15   | Tue | 4:55  | 10.3 | 4:32     | 10.3 | 10:28 | 3.1 | 10:50 | 0.1  | 8:00                                                                                | 4:34 |  |
| 16   | Wed | 5:45  | 10.4 | 5:36     | 9.3  | 11:35 | 2.9 | 11:42 | 1.0  | 8:00                                                                                | 4:35 |  |
| 17   | Thu | 6:38  | 10.6 | 6:50     | 8.4  |       |     | 12:47 | 2.6  | 8:01                                                                                | 4:35 |  |
| 18   | Fri | 7:32  | 10.7 | 8:12     | 7.9  | 12:39 | 1.9 | 2:02  | 2.0  | 8:02                                                                                | 4:35 |  |
| 19   | Sat | 8:28  | 10.9 | 9:35     | 7.8  | 1:40  | 2.8 | 3:10  | 1.4  | 8:02                                                                                | 4:36 |  |
| 20   | Sun | 9:21  | 11.0 | 10:48    | 8.1  | 2:45  | 3.4 | 4:09  | 0.7  | 8:03                                                                                | 4:36 |  |
| 21   | Mon | 10:11 | 11.1 | 11:49    | 8.4  | 3:46  | 3.8 | 5:00  | 0.1  | 8:03                                                                                | 4:36 |  |
| 22   | Tue | 10:57 | 11.2 |          |      | 4:42  | 3.9 | 5:46  | -0.3 | 8:04                                                                                | 4:37 |  |
| 23   | Wed | 12:39 | 8.8  | 11:40 AM | 11.2 | 5:33  | 4.0 | 6:26  | -0.5 | 8:04                                                                                | 4:37 |  |
| 24   | Thu | 1:21  | 9.0  | 12:21    | 11.2 | 6:17  | 4.0 | 7:03  | -0.6 | 8:05                                                                                | 4:38 |  |
| 25   | Fri | 1:58  | 9.2  | 1:00     | 11.0 | 6:58  | 3.9 | 7:38  | -0.5 | 8:05                                                                                | 4:39 |  |
| 26   | Sat | 2:31  | 9.3  | 1:37     | 10.9 | 7:37  | 3.9 | 8:12  | -0.4 | 8:06                                                                                | 4:39 |  |
| 27   | Sun | 3:04  | 9.4  | 2:14     | 10.5 | 8:14  | 3.8 | 8:45  | -0.1 | 8:06                                                                                | 4:40 |  |
| 28   | Mon | 3:37  | 9.4  | 2:51     | 10.1 | 8:53  | 3.8 | 9:18  | 0.3  | 8:06                                                                                | 4:41 |  |
| 29   | Tue | 4:11  | 9.5  | 3:30     | 9.6  | 9:34  | 3.8 | 9:51  | 0.8  | 8:06                                                                                | 4:42 |  |
| 30   | Wed | 4:45  | 9.5  | 4:13     | 8.9  | 10:20 | 3.7 | 10:26 | 1.4  | 8:06                                                                                | 4:42 |  |
| 31   | Thu | 5:21  | 9.6  | 5:04     | 8.3  | 11:11 | 3.6 | 11:06 | 2.1  | 8:06                                                                                | 4:43 |  |