

## Port Protection, Prince of Wales Island, AK - Jul 1862

| Date |     | High  |      |       |      | Low   |      |          |     |  |      |    |
|------|-----|-------|------|-------|------|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 2:18  | 11.5 | 3:31  | 11.0 | 8:58  | -0.8 | 9:17     | 2.6 | 2:09                                                                                | 7:46 |    |
| 2    | Wed | 3:01  | 10.9 | 4:07  | 11.2 | 9:33  | -0.3 | 10:07    | 2.4 | 2:10                                                                                | 7:46 |    |
| 3    | Thu | 3:51  | 10.2 | 4:46  | 11.4 | 10:10 | 0.5  | 11:05    | 2.1 | 2:11                                                                                | 7:45 |    |
| 4    | Fri | 4:52  | 9.5  | 5:31  | 11.6 | 10:53 | 1.3  |          |     | 2:12                                                                                | 7:45 |    |
| 5    | Sat | 6:06  | 9.0  | 6:23  | 11.9 | 12:13 | 1.6  | 11:45 AM | 2.2 | 2:13                                                                                | 7:44 |    |
| 6    | Sun | 7:33  | 8.8  | 7:22  | 12.2 | 1:27  | 1.0  | 12:50    | 2.9 | 2:14                                                                                | 7:43 |    |
| 7    | Mon | 8:59  | 9.0  | 8:24  | 12.7 | 2:37  | 0.1  | 2:03     | 3.4 | 2:15                                                                                | 7:43 |    |
| 8    | Tue | 10:12 | 9.6  | 9:26  | 13.1 | 3:40  | -0.8 | 3:15     | 3.4 | 2:16                                                                                | 7:42 |    |
| 9    | Wed | 11:10 | 10.3 | 10:24 | 13.6 | 4:37  | -1.7 | 4:20     | 3.1 | 2:17                                                                                | 7:41 |    |
| 10   | Thu |       |      | 12:00 | 11.0 | 5:28  | -2.4 | 5:18     | 2.7 | 2:19                                                                                | 7:40 |    |
| 11   | Fri |       |      | 12:46 | 11.5 | 6:16  | -2.8 | 6:13     | 2.2 | 2:20                                                                                | 7:39 |    |
| 12   | Sat | 12:11 | 13.9 | 1:29  | 11.9 | 7:01  | -2.9 | 7:04     | 1.8 | 2:21                                                                                | 7:38 |    |
| 13   | Sun | 1:00  | 13.6 | 2:10  | 12.1 | 7:44  | -2.6 | 7:54     | 1.5 | 2:23                                                                                | 7:37 |    |
| 14   | Mon | 1:48  | 13.0 | 2:51  | 12.2 | 8:25  | -2.0 | 8:44     | 1.3 | 2:24                                                                                | 7:36 |   |
| 15   | Tue | 2:37  | 12.1 | 3:31  | 12.1 | 9:04  | -1.1 | 9:34     | 1.4 | 2:25                                                                                | 7:34 |  |
| 16   | Wed | 3:26  | 11.1 | 4:12  | 11.9 | 9:43  | 0.0  | 10:28    | 1.5 | 2:27                                                                                | 7:33 |  |
| 17   | Thu | 4:19  | 10.0 | 4:54  | 11.6 | 10:22 | 1.1  | 11:26    | 1.7 | 2:28                                                                                | 7:32 |  |
| 18   | Fri | 5:21  | 9.1  | 5:40  | 11.3 | 11:04 | 2.3  |          |     | 2:30                                                                                | 7:30 |  |
| 19   | Sat | 6:36  | 8.5  | 6:31  | 11.1 | 12:33 | 1.8  | 11:54 AM | 3.3 | 2:32                                                                                | 7:29 |  |
| 20   | Sun | 8:05  | 8.3  | 7:28  | 11.0 | 1:46  | 1.6  | 12:58    | 4.0 | 2:33                                                                                | 7:27 |  |
| 21   | Mon | 9:31  | 8.5  | 8:27  | 11.0 | 2:53  | 1.3  | 2:14     | 4.4 | 2:35                                                                                | 7:26 |  |
| 22   | Tue | 10:32 | 9.0  | 9:23  | 11.3 | 3:49  | 0.8  | 3:21     | 4.4 | 2:37                                                                                | 7:24 |  |
| 23   | Wed | 11:15 | 9.4  | 10:12 | 11.6 | 4:35  | 0.3  | 4:15     | 4.1 | 2:38                                                                                | 7:23 |  |
| 24   | Thu | 11:50 | 9.9  | 10:55 | 12.0 | 5:15  | -0.2 | 5:00     | 3.7 | 2:40                                                                                | 7:21 |  |
| 25   | Fri |       |      | 12:21 | 10.3 | 5:50  | -0.7 | 5:41     | 3.2 | 2:42                                                                                | 7:19 |  |
| 26   | Sat |       |      | 12:51 | 10.7 | 6:23  | -1.1 | 6:19     | 2.8 | 2:44                                                                                | 7:17 |  |
| 27   | Sun | 12:12 | 12.4 | 1:20  | 11.1 | 6:55  | -1.3 | 6:56     | 2.3 | 2:45                                                                                | 7:16 |  |
| 28   | Mon | 12:48 | 12.4 | 1:49  | 11.4 | 7:26  | -1.3 | 7:34     | 1.9 | 2:47                                                                                | 7:14 |  |
| 29   | Tue | 1:26  | 12.1 | 2:19  | 11.7 | 7:57  | -1.0 | 8:13     | 1.6 | 2:49                                                                                | 7:12 |  |
| 30   | Wed | 2:05  | 11.7 | 2:50  | 11.9 | 8:28  | -0.5 | 8:55     | 1.3 | 2:51                                                                                | 7:10 |  |

| Date |     | High |      |      |      | Low  |     |      |     |  |      |   |
|------|-----|------|------|------|------|------|-----|------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft   | PM   | ft   | AM   | ft  | PM   | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 31   | Thu | 2:49 | 11.2 | 3:24 | 12.1 | 9:01 | 0.2 | 9:42 | 1.1 | 2:53                                                                               | 7:08 |  |