

## Port Protection, Prince of Wales Island, AK - Dec 1863

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 4:30  | 10.9 | 3:43     | 10.7 | 10:08 | 4.5 | 10:26 | 1.5  | 7:02                                                                                | 2:25 |    |
| 2    | Wed | 5:16  | 10.9 | 4:41     | 9.9  | 11:11 | 4.4 | 11:11 | 2.2  | 7:03                                                                                | 2:24 |    |
| 3    | Thu | 6:05  | 11.0 | 5:54     | 9.4  |       |     | 12:24 | 4.1  | 7:05                                                                                | 2:23 |    |
| 4    | Fri | 6:54  | 11.2 | 7:17     | 9.2  | 12:04 | 2.8 | 1:37  | 3.5  | 7:07                                                                                | 2:22 |    |
| 5    | Sat | 7:42  | 11.6 | 8:36     | 9.4  | 1:03  | 3.3 | 2:38  | 2.6  | 7:08                                                                                | 2:21 |    |
| 6    | Sun | 8:28  | 12.2 | 9:42     | 9.9  | 2:03  | 3.6 | 3:28  | 1.5  | 7:10                                                                                | 2:21 |    |
| 7    | Mon | 9:13  | 12.8 | 10:36    | 10.5 | 2:59  | 3.8 | 4:13  | 0.5  | 7:11                                                                                | 2:20 |    |
| 8    | Tue | 9:57  | 13.4 | 11:24    | 11.2 | 3:50  | 3.8 | 4:56  | -0.5 | 7:13                                                                                | 2:20 |    |
| 9    | Wed | 10:41 | 14.0 |          |      | 4:39  | 3.7 | 5:39  | -1.3 | 7:14                                                                                | 2:19 |    |
| 10   | Thu | 12:08 | 11.7 | 11:25 AM | 14.5 | 5:26  | 3.5 | 6:22  | -1.9 | 7:15                                                                                | 2:19 |    |
| 11   | Fri | 12:52 | 12.1 | 12:10    | 14.7 | 6:14  | 3.3 | 7:05  | -2.2 | 7:17                                                                                | 2:18 |   |
| 12   | Sat | 1:36  | 12.4 | 12:57    | 14.6 | 7:02  | 3.1 | 7:49  | -2.2 | 7:18                                                                                | 2:18 |  |
| 13   | Sun | 2:21  | 12.6 | 1:45     | 14.1 | 7:53  | 3.0 | 8:34  | -1.8 | 7:19                                                                                | 2:18 |  |
| 14   | Mon | 3:08  | 12.6 | 2:37     | 13.3 | 8:47  | 2.9 | 9:20  | -1.1 | 7:20                                                                                | 2:18 |  |
| 15   | Tue | 3:56  | 12.6 | 3:34     | 12.3 | 9:46  | 2.9 | 10:09 | -0.1 | 7:21                                                                                | 2:17 |  |
| 16   | Wed | 4:48  | 12.6 | 4:39     | 11.2 | 10:53 | 2.8 | 11:00 | 1.0  | 7:22                                                                                | 2:17 |  |
| 17   | Thu | 5:42  | 12.6 | 5:56     | 10.3 |       |     | 12:08 | 2.6  | 7:23                                                                                | 2:18 |  |
| 18   | Fri | 6:39  | 12.6 | 7:24     | 9.8  |       |     | 1:27  | 2.0  | 7:24                                                                                | 2:18 |  |
| 19   | Sat | 7:36  | 12.7 | 8:51     | 9.8  | 1:03  | 3.0 | 2:38  | 1.3  | 7:25                                                                                | 2:18 |  |
| 20   | Sun | 8:32  | 12.9 | 10:03    | 10.2 | 2:11  | 3.7 | 3:38  | 0.6  | 7:25                                                                                | 2:18 |  |
| 21   | Mon | 9:24  | 13.1 | 11:01    | 10.7 | 3:15  | 4.1 | 4:28  | 0.0  | 7:26                                                                                | 2:19 |  |
| 22   | Tue | 10:11 | 13.2 | 11:46    | 11.1 | 4:11  | 4.2 | 5:12  | -0.4 | 7:26                                                                                | 2:19 |  |
| 23   | Wed | 10:54 | 13.3 |          |      | 4:59  | 4.2 | 5:51  | -0.7 | 7:27                                                                                | 2:20 |  |
| 24   | Thu | 12:26 | 11.4 | 11:34 AM | 13.4 | 5:42  | 4.1 | 6:28  | -0.8 | 7:27                                                                                | 2:20 |  |
| 25   | Fri | 1:01  | 11.6 | 12:12    | 13.3 | 6:22  | 3.9 | 7:02  | -0.8 | 7:28                                                                                | 2:21 |  |
| 26   | Sat | 1:35  | 11.7 | 12:47    | 13.1 | 7:00  | 3.8 | 7:35  | -0.7 | 7:28                                                                                | 2:21 |  |
| 27   | Sun | 2:07  | 11.8 | 1:23     | 12.7 | 7:37  | 3.7 | 8:07  | -0.4 | 7:28                                                                                | 2:22 |  |
| 28   | Mon | 2:39  | 11.7 | 1:58     | 12.3 | 8:14  | 3.6 | 8:38  | 0.0  | 7:28                                                                                | 2:23 |  |
| 29   | Tue | 3:12  | 11.7 | 2:35     | 11.6 | 8:54  | 3.6 | 9:10  | 0.5  | 7:28                                                                                | 2:24 |  |
| 30   | Wed | 3:45  | 11.6 | 3:15     | 10.9 | 9:36  | 3.6 | 9:42  | 1.2  | 7:28                                                                                | 2:25 |  |

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|------|-----|------|------|------|------|-------|-----|-------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft   | PM   | ft   | AM    | ft  | PM    | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 31   | Thu | 4:20 | 11.6 | 4:04 | 10.2 | 10:25 | 3.6 | 10:19 | 2.0 | 7:28                                                                               | 2:26 |  |