

## Port Protection, Prince of Wales Island, AK - Dec 1857

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 12:18 | 12.1 | 11:34 AM | 15.2 | 5:34  | 3.5 | 6:33  | -2.7 | 7:02                                                                                | 2:24 |    |
| 2    | Wed | 1:08  | 12.2 | 12:20    | 15.1 | 6:23  | 3.6 | 7:21  | -2.7 | 7:04                                                                                | 2:23 |    |
| 3    | Thu | 1:57  | 12.2 | 1:08     | 14.8 | 7:13  | 3.8 | 8:09  | -2.3 | 7:06                                                                                | 2:23 |    |
| 4    | Fri | 2:48  | 12.0 | 1:58     | 14.1 | 8:06  | 4.0 | 8:59  | -1.6 | 7:07                                                                                | 2:22 |    |
| 5    | Sat | 3:41  | 11.8 | 2:51     | 13.1 | 9:03  | 4.2 | 9:49  | -0.7 | 7:09                                                                                | 2:21 |    |
| 6    | Sun | 4:36  | 11.6 | 3:50     | 11.9 | 10:07 | 4.3 | 10:42 | 0.2  | 7:10                                                                                | 2:20 |    |
| 7    | Mon | 5:33  | 11.5 | 4:58     | 10.8 | 11:22 | 4.2 | 11:37 | 1.2  | 7:12                                                                                | 2:20 |    |
| 8    | Tue | 6:29  | 11.5 | 6:17     | 9.9  |       |     | 12:45 | 3.8  | 7:13                                                                                | 2:19 |    |
| 9    | Wed | 7:21  | 11.7 | 7:42     | 9.5  | 12:34 | 2.1 | 2:01  | 3.0  | 7:15                                                                                | 2:19 |    |
| 10   | Thu | 8:09  | 11.9 | 9:02     | 9.5  | 1:32  | 2.9 | 3:02  | 2.2  | 7:16                                                                                | 2:18 |    |
| 11   | Fri | 8:51  | 12.1 | 10:08    | 9.8  | 2:27  | 3.6 | 3:51  | 1.4  | 7:17                                                                                | 2:18 |    |
| 12   | Sat | 9:29  | 12.4 | 11:00    | 10.2 | 3:18  | 4.1 | 4:32  | 0.7  | 7:18                                                                                | 2:18 |   |
| 13   | Sun | 10:05 | 12.6 | 11:44    | 10.6 | 4:03  | 4.4 | 5:09  | 0.2  | 7:19                                                                                | 2:18 |  |
| 14   | Mon | 10:40 | 12.8 |          |      | 4:45  | 4.6 | 5:44  | -0.2 | 7:20                                                                                | 2:18 |  |
| 15   | Tue | 12:22 | 10.9 | 11:15 AM | 13.0 | 5:24  | 4.7 | 6:18  | -0.4 | 7:22                                                                                | 2:17 |  |
| 16   | Wed | 12:57 | 11.1 | 11:50 AM | 13.1 | 6:02  | 4.7 | 6:53  | -0.6 | 7:22                                                                                | 2:18 |  |
| 17   | Thu | 1:32  | 11.2 | 12:24    | 13.1 | 6:38  | 4.7 | 7:28  | -0.6 | 7:23                                                                                | 2:18 |  |
| 18   | Fri | 2:07  | 11.2 | 1:00     | 12.9 | 7:15  | 4.7 | 8:03  | -0.6 | 7:24                                                                                | 2:18 |  |
| 19   | Sat | 2:44  | 11.2 | 1:36     | 12.7 | 7:53  | 4.6 | 8:38  | -0.4 | 7:25                                                                                | 2:18 |  |
| 20   | Sun | 3:21  | 11.1 | 2:15     | 12.2 | 8:35  | 4.6 | 9:14  | -0.1 | 7:26                                                                                | 2:18 |  |
| 21   | Mon | 3:59  | 11.1 | 2:59     | 11.6 | 9:23  | 4.5 | 9:52  | 0.4  | 7:26                                                                                | 2:19 |  |
| 22   | Tue | 4:40  | 11.3 | 3:52     | 10.9 | 10:19 | 4.2 | 10:33 | 1.0  | 7:27                                                                                | 2:19 |  |
| 23   | Wed | 5:22  | 11.5 | 4:59     | 10.1 | 11:26 | 3.8 | 11:19 | 1.8  | 7:27                                                                                | 2:20 |  |
| 24   | Thu | 6:08  | 11.9 | 6:21     | 9.6  |       |     | 12:40 | 3.0  | 7:28                                                                                | 2:20 |  |
| 25   | Fri | 6:56  | 12.4 | 7:51     | 9.5  | 12:13 | 2.7 | 1:52  | 2.0  | 7:28                                                                                | 2:21 |  |
| 26   | Sat | 7:48  | 13.0 | 9:16     | 9.8  | 1:16  | 3.4 | 2:57  | 0.8  | 7:28                                                                                | 2:22 |  |
| 27   | Sun | 8:41  | 13.6 | 10:27    | 10.5 | 2:22  | 4.0 | 3:54  | -0.4 | 7:28                                                                                | 2:23 |  |
| 28   | Mon | 9:35  | 14.1 | 11:25    | 11.1 | 3:27  | 4.3 | 4:47  | -1.4 | 7:28                                                                                | 2:24 |  |
| 29   | Tue | 10:29 | 14.6 |          |      | 4:27  | 4.3 | 5:37  | -2.1 | 7:28                                                                                | 2:24 |  |

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|------|-----|-------|------|----------|------|------|-----|------|------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM   | ft  | PM   | ft   | Rise                                                                               | Set  | Moon                                                                                |
| 30   | Wed | 12:16 | 11.7 | 11:21 AM | 14.9 | 5:24 | 4.1 | 6:26 | -2.5 | 7:28                                                                               | 2:25 |  |
| 31   | Thu | 1:03  | 12.1 | 12:12    | 14.9 | 6:17 | 3.8 | 7:12 | -2.5 | 7:28                                                                               | 2:27 |  |