

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

| Date |     | High  |      |       |      | Low   |      |          |     |  |      |    |
|------|-----|-------|------|-------|------|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 8:42  | 8.2  | 8:10  | 11.0 | 2:34  | 1.6  | 1:43     | 3.6 | 2:09                                                                                | 7:46 |    |
| 2    | Thu | 9:56  | 8.5  | 8:56  | 11.3 | 3:28  | 1.0  | 2:42     | 4.1 | 2:10                                                                                | 7:46 |    |
| 3    | Fri | 10:53 | 9.0  | 9:41  | 11.5 | 4:15  | 0.4  | 3:37     | 4.3 | 2:11                                                                                | 7:45 |    |
| 4    | Sat | 11:39 | 9.4  | 10:24 | 11.9 | 4:57  | -0.1 | 4:27     | 4.3 | 2:12                                                                                | 7:45 |    |
| 5    | Sun |       |      | 12:17 | 9.8  | 5:36  | -0.6 | 5:12     | 4.2 | 2:13                                                                                | 7:44 |    |
| 6    | Mon |       |      | 12:53 | 10.1 | 6:14  | -1.1 | 5:54     | 4.0 | 2:14                                                                                | 7:43 |    |
| 7    | Tue |       |      | 1:28  | 10.4 | 6:51  | -1.4 | 6:35     | 3.7 | 2:15                                                                                | 7:42 |    |
| 8    | Wed | 12:25 | 12.6 | 2:02  | 10.6 | 7:26  | -1.7 | 7:15     | 3.4 | 2:16                                                                                | 7:42 |    |
| 9    | Thu | 1:04  | 12.5 | 2:36  | 10.8 | 8:02  | -1.8 | 7:58     | 3.1 | 2:18                                                                                | 7:41 |    |
| 10   | Fri | 1:45  | 12.3 | 3:11  | 11.0 | 8:37  | -1.6 | 8:43     | 2.8 | 2:19                                                                                | 7:40 |    |
| 11   | Sat | 2:28  | 11.8 | 3:47  | 11.2 | 9:12  | -1.2 | 9:32     | 2.4 | 2:20                                                                                | 7:39 |   |
| 12   | Sun | 3:17  | 11.1 | 4:25  | 11.4 | 9:49  | -0.5 | 10:28    | 2.1 | 2:21                                                                                | 7:38 |  |
| 13   | Mon | 4:13  | 10.2 | 5:07  | 11.7 | 10:29 | 0.5  | 11:33    | 1.7 | 2:23                                                                                | 7:36 |  |
| 14   | Tue | 5:21  | 9.4  | 5:53  | 12.0 | 11:15 | 1.5  |          |     | 2:24                                                                                | 7:35 |  |
| 15   | Wed | 6:44  | 8.8  | 6:46  | 12.2 | 12:44 | 1.1  | 12:10    | 2.6 | 2:26                                                                                | 7:34 |  |
| 16   | Thu | 8:17  | 8.8  | 7:46  | 12.5 | 1:58  | 0.4  | 1:18     | 3.5 | 2:27                                                                                | 7:33 |  |
| 17   | Fri | 9:43  | 9.2  | 8:48  | 12.8 | 3:07  | -0.4 | 2:34     | 3.9 | 2:29                                                                                | 7:31 |  |
| 18   | Sat | 10:51 | 9.8  | 9:50  | 13.1 | 4:09  | -1.2 | 3:45     | 4.0 | 2:30                                                                                | 7:30 |  |
| 19   | Sun | 11:45 | 10.4 | 10:47 | 13.4 | 5:03  | -1.8 | 4:48     | 3.7 | 2:32                                                                                | 7:28 |  |
| 20   | Mon |       |      | 12:30 | 10.9 | 5:53  | -2.3 | 5:44     | 3.3 | 2:34                                                                                | 7:27 |  |
| 21   | Tue |       |      | 1:12  | 11.2 | 6:38  | -2.4 | 6:34     | 2.8 | 2:35                                                                                | 7:25 |  |
| 22   | Wed | 12:28 | 13.4 | 1:51  | 11.4 | 7:20  | -2.4 | 7:22     | 2.4 | 2:37                                                                                | 7:24 |  |
| 23   | Thu | 1:14  | 13.0 | 2:28  | 11.5 | 7:59  | -2.0 | 8:07     | 2.2 | 2:39                                                                                | 7:22 |  |
| 24   | Fri | 1:58  | 12.4 | 3:04  | 11.5 | 8:36  | -1.4 | 8:52     | 2.0 | 2:40                                                                                | 7:21 |  |
| 25   | Sat | 2:42  | 11.6 | 3:38  | 11.4 | 9:10  | -0.5 | 9:38     | 2.0 | 2:42                                                                                | 7:19 |  |
| 26   | Sun | 3:27  | 10.6 | 4:13  | 11.3 | 9:43  | 0.5  | 10:27    | 2.0 | 2:44                                                                                | 7:17 |  |
| 27   | Mon | 4:16  | 9.7  | 4:48  | 11.1 | 10:16 | 1.6  | 11:21    | 2.1 | 2:46                                                                                | 7:15 |  |
| 28   | Tue | 5:14  | 8.8  | 5:26  | 10.9 | 10:51 | 2.7  |          |     | 2:48                                                                                | 7:13 |  |
| 29   | Wed | 6:28  | 8.2  | 6:12  | 10.8 | 12:25 | 2.1  | 11:33 AM | 3.6 | 2:50                                                                                | 7:11 |  |
| 30   | Thu | 8:04  | 8.1  | 7:07  | 10.7 | 1:37  | 1.9  | 12:33    | 4.4 | 2:51                                                                                | 7:10 |  |
| 31   | Fri | 9:37  | 8.4  | 8:10  | 10.9 | 2:48  | 1.5  | 1:54     | 4.9 | 2:53                                                                                | 7:08 |  |