

## Pearl Harbor Entrance, Bishop Point, HI - Dec 1859

| Date |     | High  |     |          |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|----------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 8:40  | 1.6 |          |     |       |     | 4:38  | 0.2  | 6:21                                                                                | 5:17 |    |
| 2    | Fri | 12:09 | 1.0 | 9:21 AM  | 1.5 | 3:07  | 0.9 | 5:04  | 0.2  | 6:22                                                                                | 5:17 |    |
| 3    | Sat | 12:33 | 1.2 | 10:12 AM | 1.3 | 5:02  | 0.9 | 5:31  | 0.1  | 6:23                                                                                | 5:17 |    |
| 4    | Sun | 1:00  | 1.5 | 11:19 AM | 1.1 | 6:41  | 0.9 | 6:00  | 0.1  | 6:23                                                                                | 5:18 |    |
| 5    | Mon | 1:30  | 1.8 | 12:19    | 1.0 | 7:52  | 0.7 | 6:29  | 0.0  | 6:24                                                                                | 5:18 |    |
| 6    | Tue | 2:02  | 2.0 | 1:08     | 0.9 | 8:57  | 0.6 | 7:00  | -0.1 | 6:25                                                                                | 5:18 |    |
| 7    | Wed | 2:37  | 2.2 | 1:53     | 0.7 | 9:51  | 0.4 | 7:32  | -0.1 | 6:25                                                                                | 5:18 |    |
| 8    | Thu | 3:13  | 2.4 | 2:39     | 0.6 | 10:37 | 0.3 | 8:07  | -0.1 | 6:26                                                                                | 5:18 |    |
| 9    | Fri | 3:51  | 2.5 | 3:26     | 0.5 | 11:20 | 0.2 | 8:45  | -0.2 | 6:26                                                                                | 5:19 |    |
| 10   | Sat | 4:30  | 2.5 | 4:14     | 0.5 |       |     | 12:03 | 0.1  | 6:27                                                                                | 5:19 |   |
| 11   | Sun | 5:10  | 2.5 | 5:05     | 0.4 |       |     | 12:50 | 0.1  | 6:28                                                                                | 5:19 |  |
| 12   | Mon | 5:52  | 2.4 | 6:14     | 0.5 |       |     | 1:37  | 0.1  | 6:28                                                                                | 5:20 |  |
| 13   | Tue | 6:37  | 2.3 | 7:46     | 0.6 |       |     | 2:20  | 0.1  | 6:29                                                                                | 5:20 |  |
| 14   | Wed | 7:24  | 2.1 | 9:06     | 0.8 |       |     | 2:59  | 0.1  | 6:29                                                                                | 5:20 |  |
| 15   | Thu | 8:12  | 1.8 | 10:24    | 1.1 | 1:10  | 0.5 | 3:35  | 0.0  | 6:30                                                                                | 5:21 |  |
| 16   | Fri | 8:58  | 1.5 | 11:37    | 1.4 | 2:50  | 0.8 | 4:13  | 0.0  | 6:31                                                                                | 5:21 |  |
| 17   | Sat | 9:50  | 1.3 |          |     | 4:52  | 0.9 | 4:52  | -0.1 | 6:31                                                                                | 5:22 |  |
| 18   | Sun | 12:32 | 1.8 | 11:01 AM | 1.0 | 6:53  | 0.8 | 5:32  | -0.1 | 6:32                                                                                | 5:22 |  |
| 19   | Mon | 1:17  | 2.0 | 12:16    | 0.8 | 8:17  | 0.6 | 6:11  | -0.1 | 6:32                                                                                | 5:22 |  |
| 20   | Tue | 2:00  | 2.2 | 1:16     | 0.7 | 9:27  | 0.5 | 6:49  | -0.2 | 6:33                                                                                | 5:23 |  |
| 21   | Wed | 2:41  | 2.4 | 2:10     | 0.6 | 10:18 | 0.3 | 7:27  | -0.2 | 6:33                                                                                | 5:23 |  |
| 22   | Thu | 3:21  | 2.4 | 3:03     | 0.5 | 10:57 | 0.2 | 8:06  | -0.2 | 6:34                                                                                | 5:24 |  |
| 23   | Fri | 3:59  | 2.4 | 3:51     | 0.5 | 11:33 | 0.2 | 8:46  | -0.1 | 6:34                                                                                | 5:24 |  |
| 24   | Sat | 4:34  | 2.4 | 4:34     | 0.5 |       |     | 12:08 | 0.1  | 6:35                                                                                | 5:25 |  |
| 25   | Sun | 5:07  | 2.3 | 5:15     | 0.5 |       |     | 12:43 | 0.1  | 6:35                                                                                | 5:25 |  |
| 26   | Mon | 5:38  | 2.2 | 6:02     | 0.5 |       |     | 1:16  | 0.1  | 6:36                                                                                | 5:26 |  |
| 27   | Tue | 6:06  | 2.0 | 7:05     | 0.6 |       |     | 1:46  | 0.2  | 6:36                                                                                | 5:27 |  |
| 28   | Wed | 6:33  | 1.9 | 8:13     | 0.7 |       |     | 2:12  | 0.2  | 6:37                                                                                | 5:27 |  |
| 29   | Thu | 6:59  | 1.7 | 9:15     | 0.8 |       |     | 2:38  | 0.2  | 6:37                                                                                | 5:28 |  |

| Date |     | High |     |       |     | Low   |     |      |     |  |      |   |
|------|-----|------|-----|-------|-----|-------|-----|------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM    | ft  | AM    | ft  | PM   | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 30   | Fri | 7:26 | 1.5 | 10:22 | 1.0 | 12:47 | 0.7 | 3:05 | 0.2 | 6:37                                                                               | 5:28 |  |
| 31   | Sat | 7:57 | 1.3 | 11:24 | 1.3 | 2:28  | 0.9 | 3:32 | 0.1 | 6:38                                                                               | 5:29 |  |