

## Pearl Harbor Entrance, Bishop Point, HI - Apr 1890

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 2:08  | 1.6 | 2:47  | 1.0 | 8:53  | 0.0  | 8:00     | 0.1  | 5:53                                                                                | 6:15 |    |
| 2    | Wed | 2:43  | 1.6 | 3:19  | 1.1 | 9:14  | -0.1 | 8:47     | 0.1  | 5:52                                                                                | 6:15 |    |
| 3    | Thu | 3:15  | 1.6 | 3:49  | 1.3 | 9:35  | -0.1 | 9:33     | 0.1  | 5:51                                                                                | 6:16 |    |
| 4    | Fri | 3:45  | 1.5 | 4:19  | 1.4 | 9:57  | -0.1 | 10:17    | 0.1  | 5:50                                                                                | 6:16 |    |
| 5    | Sat | 4:12  | 1.3 | 4:49  | 1.6 | 10:20 | -0.1 | 11:01    | 0.1  | 5:49                                                                                | 6:16 |    |
| 6    | Sun | 4:38  | 1.1 | 5:22  | 1.7 | 10:44 | -0.1 | 11:49    | 0.2  | 5:48                                                                                | 6:16 |    |
| 7    | Mon | 5:04  | 1.0 | 6:00  | 1.8 | 11:08 | -0.1 |          |      | 5:47                                                                                | 6:17 |    |
| 8    | Tue | 5:32  | 0.8 | 6:49  | 1.8 | 12:47 | 0.2  | 11:33 AM | -0.1 | 5:46                                                                                | 6:17 |    |
| 9    | Wed | 6:09  | 0.6 | 7:50  | 1.8 | 2:02  | 0.3  | 12:01    | 0.0  | 5:45                                                                                | 6:17 |    |
| 10   | Thu | 7:10  | 0.4 | 8:59  | 1.8 | 3:36  | 0.3  | 12:42    | 0.0  | 5:45                                                                                | 6:18 |    |
| 11   | Fri | 9:32  | 0.3 | 10:17 | 1.8 | 5:31  | 0.2  | 2:01     | 0.1  | 5:44                                                                                | 6:18 |    |
| 12   | Sat | 11:52 | 0.4 | 11:34 | 1.8 | 6:29  | 0.0  | 3:40     | 0.2  | 5:43                                                                                | 6:18 |    |
| 13   | Sun |       |     | 12:54 | 0.6 | 7:07  | -0.1 | 5:19     | 0.2  | 5:42                                                                                | 6:19 |    |
| 14   | Mon | 12:36 | 1.8 | 1:39  | 0.9 | 7:40  | -0.1 | 6:38     | 0.2  | 5:41                                                                                | 6:19 |   |
| 15   | Tue | 1:27  | 1.7 | 2:21  | 1.1 | 8:10  | -0.2 | 7:44     | 0.1  | 5:40                                                                                | 6:19 |  |
| 16   | Wed | 2:12  | 1.6 | 3:01  | 1.4 | 8:39  | -0.2 | 8:45     | 0.1  | 5:40                                                                                | 6:20 |  |
| 17   | Thu | 2:55  | 1.5 | 3:41  | 1.6 | 9:08  | -0.2 | 9:42     | 0.1  | 5:39                                                                                | 6:20 |  |
| 18   | Fri | 3:35  | 1.3 | 4:19  | 1.8 | 9:35  | -0.2 | 10:33    | 0.1  | 5:38                                                                                | 6:20 |  |
| 19   | Sat | 4:10  | 1.1 | 4:55  | 1.9 | 10:02 | -0.2 | 11:21    | 0.1  | 5:37                                                                                | 6:21 |  |
| 20   | Sun | 4:42  | 0.9 | 5:31  | 1.9 | 10:28 | -0.2 |          |      | 5:36                                                                                | 6:21 |  |
| 21   | Mon | 5:09  | 0.8 | 6:09  | 1.8 | 12:11 | 0.2  | 10:53 AM | -0.1 | 5:36                                                                                | 6:21 |  |
| 22   | Tue | 5:32  | 0.6 | 6:51  | 1.8 | 1:11  | 0.3  | 11:16 AM | 0.0  | 5:35                                                                                | 6:22 |  |
| 23   | Wed | 5:55  | 0.4 | 7:40  | 1.7 | 2:25  | 0.3  | 11:36 AM | 0.1  | 5:34                                                                                | 6:22 |  |
| 24   | Thu | 6:45  | 0.3 | 8:34  | 1.6 | 3:54  | 0.3  | 11:49 AM | 0.2  | 5:33                                                                                | 6:23 |  |
| 25   | Fri |       |     | 9:34  | 1.5 | 5:29  | 0.2  |          |      | 5:33                                                                                | 6:23 |  |
| 26   | Sat |       |     | 10:42 | 1.5 | 6:14  | 0.1  |          |      | 5:32                                                                                | 6:23 |  |
| 27   | Sun |       |     | 1:03  | 0.6 | 6:41  | 0.1  | 4:19     | 0.5  | 5:31                                                                                | 6:24 |  |
| 28   | Mon |       |     | 1:24  | 0.8 | 7:04  | 0.0  | 5:48     | 0.5  | 5:31                                                                                | 6:24 |  |
| 29   | Tue | 12:35 | 1.4 | 1:51  | 1.0 | 7:24  | 0.0  | 6:53     | 0.4  | 5:30                                                                                | 6:24 |  |

| Date |     | High |     |      |     | Low  |      |      |     |  |      |   |
|------|-----|------|-----|------|-----|------|------|------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM   | ft  | AM   | ft   | PM   | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 30   | Wed | 1:16 | 1.4 | 2:21 | 1.2 | 7:45 | -0.1 | 7:48 | 0.3 | 5:29                                                                               | 6:25 |  |