

## Waimanalo, HI - May 1861

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 8:56  | 0.5 | 10:03 | 1.5 | 6:22  | 0.4  | 1:26     | 0.3  | 5:27                                                                                | 6:24 |    |
| 2    | Thu | 11:21 | 0.7 | 10:48 | 1.5 | 5:43  | 0.3  | 3:24     | 0.5  | 5:27                                                                                | 6:24 |    |
| 3    | Fri |       |     | 12:15 | 1.0 | 5:49  | 0.2  | 4:55     | 0.5  | 5:26                                                                                | 6:25 |    |
| 4    | Sat |       |     | 12:51 | 1.2 | 6:01  | 0.1  | 5:58     | 0.6  | 5:26                                                                                | 6:25 |    |
| 5    | Sun |       |     | 1:20  | 1.4 | 6:17  | 0.0  | 6:46     | 0.6  | 5:25                                                                                | 6:26 |    |
| 6    | Mon | 12:03 | 1.2 | 1:48  | 1.6 | 6:34  | -0.1 | 7:28     | 0.6  | 5:24                                                                                | 6:26 |    |
| 7    | Tue | 12:22 | 1.2 | 2:15  | 1.8 | 6:55  | -0.2 | 8:07     | 0.6  | 5:24                                                                                | 6:26 |    |
| 8    | Wed | 12:41 | 1.1 | 2:44  | 1.9 | 7:17  | -0.3 | 8:47     | 0.6  | 5:23                                                                                | 6:27 |    |
| 9    | Thu | 1:03  | 1.0 | 3:16  | 1.9 | 7:42  | -0.3 | 9:28     | 0.6  | 5:23                                                                                | 6:27 |    |
| 10   | Fri | 1:25  | 1.0 | 3:50  | 1.9 | 8:08  | -0.3 | 10:12    | 0.6  | 5:22                                                                                | 6:28 |    |
| 11   | Sat | 1:46  | 0.9 | 4:28  | 1.9 | 8:37  | -0.3 | 11:02    | 0.7  | 5:22                                                                                | 6:28 |    |
| 12   | Sun | 2:05  | 0.9 | 5:10  | 1.9 | 9:09  | -0.3 |          |      | 5:21                                                                                | 6:29 |   |
| 13   | Mon | 2:19  | 0.9 | 5:56  | 1.8 | 12:04 | 0.7  | 9:43 AM  | -0.2 | 5:21                                                                                | 6:29 |  |
| 14   | Tue |       |     | 6:47  | 1.8 | 10:20 | -0.1 |          |      | 5:21                                                                                | 6:29 |  |
| 15   | Wed |       |     | 7:41  | 1.7 | 11:05 | 0.0  |          |      | 5:20                                                                                | 6:30 |  |
| 16   | Thu |       |     | 8:34  | 1.7 |       |      | 12:06    | 0.2  | 5:20                                                                                | 6:30 |  |
| 17   | Fri | 9:27  | 0.7 | 9:22  | 1.6 | 4:27  | 0.4  | 1:44     | 0.4  | 5:19                                                                                | 6:31 |  |
| 18   | Sat | 11:14 | 1.0 | 10:05 | 1.5 | 4:43  | 0.2  | 3:43     | 0.6  | 5:19                                                                                | 6:31 |  |
| 19   | Sun |       |     | 12:13 | 1.4 | 5:07  | 0.0  | 5:19     | 0.6  | 5:19                                                                                | 6:32 |  |
| 20   | Mon |       |     | 1:01  | 1.7 | 5:36  | -0.2 | 6:33     | 0.7  | 5:18                                                                                | 6:32 |  |
| 21   | Tue |       |     | 1:45  | 2.0 | 6:08  | -0.4 | 7:37     | 0.7  | 5:18                                                                                | 6:32 |  |
| 22   | Wed |       |     | 2:28  | 2.2 | 6:43  | -0.5 | 8:36     | 0.7  | 5:18                                                                                | 6:33 |  |
| 23   | Thu | 12:36 | 1.1 | 3:12  | 2.3 | 7:20  | -0.6 | 9:34     | 0.7  | 5:17                                                                                | 6:33 |  |
| 24   | Fri | 1:14  | 1.0 | 3:57  | 2.3 | 7:59  | -0.6 | 10:33    | 0.7  | 5:17                                                                                | 6:34 |  |
| 25   | Sat | 1:52  | 0.9 | 4:42  | 2.3 | 8:40  | -0.5 | 11:33    | 0.6  | 5:17                                                                                | 6:34 |  |
| 26   | Sun | 2:32  | 0.9 | 5:28  | 2.2 | 9:22  | -0.4 |          |      | 5:17                                                                                | 6:35 |  |
| 27   | Mon | 3:13  | 0.8 | 6:14  | 2.0 | 12:35 | 0.6  | 10:04 AM | -0.2 | 5:17                                                                                | 6:35 |  |
| 28   | Tue | 4:03  | 0.7 | 7:01  | 1.8 | 1:38  | 0.6  | 10:46 AM | 0.0  | 5:16                                                                                | 6:35 |  |
| 29   | Wed | 5:28  | 0.6 | 7:45  | 1.7 | 2:40  | 0.5  | 11:30 AM | 0.2  | 5:16                                                                                | 6:36 |  |
| 30   | Thu | 8:28  | 0.7 | 8:25  | 1.5 | 3:29  | 0.4  | 12:22    | 0.5  | 5:16                                                                                | 6:36 |  |

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|------|-----|-------|-----|------|-----|------|-----|------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM   | ft  | AM   | ft  | PM   | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 31   | Fri | 11:03 | 0.9 | 9:01 | 1.4 | 4:04 | 0.3 | 1:54 | 0.7 | 5:16                                                                               | 6:37 |  |