

## Waimanalo, HI - Oct 1890

| Date |     | High  |     |       |     | Low   |     |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Wed | 4:52  | 2.0 | 3:38  | 1.4 | 10:44 | 0.8 | 10:19 | 0.1  | 5:50                                                                                | 5:47 |    |
| 2    | Thu | 5:45  | 1.9 | 3:34  | 1.3 | 11:49 | 0.9 | 10:48 | 0.2  | 5:50                                                                                | 5:46 |    |
| 3    | Fri | 6:51  | 1.8 |       |     |       |     | 11:19 | 0.3  | 5:51                                                                                | 5:45 |    |
| 4    | Sat | 8:24  | 1.7 |       |     |       |     |       |      | 5:51                                                                                | 5:44 |    |
| 5    | Sun | 10:08 | 1.7 |       |     | 12:00 | 0.4 |       |      | 5:51                                                                                | 5:43 |    |
| 6    | Mon | 11:15 | 1.8 | 11:27 | 0.8 | 1:49  | 0.5 | 8:02  | 0.6  | 5:52                                                                                | 5:42 |    |
| 7    | Tue | 11:57 | 1.8 |       |     | 3:56  | 0.5 | 7:22  | 0.6  | 5:52                                                                                | 5:41 |    |
| 8    | Wed | 12:03 | 0.9 | 12:27 | 1.9 | 5:06  | 0.4 | 7:13  | 0.5  | 5:52                                                                                | 5:40 |    |
| 9    | Thu | 12:30 | 1.1 | 12:51 | 1.9 | 5:51  | 0.4 | 7:17  | 0.5  | 5:53                                                                                | 5:39 |    |
| 10   | Fri | 12:56 | 1.3 | 1:12  | 1.9 | 6:28  | 0.3 | 7:28  | 0.4  | 5:53                                                                                | 5:39 |    |
| 11   | Sat | 1:24  | 1.5 | 1:31  | 1.9 | 7:02  | 0.3 | 7:42  | 0.3  | 5:53                                                                                | 5:38 |    |
| 12   | Sun | 1:54  | 1.6 | 1:50  | 1.8 | 7:36  | 0.4 | 8:00  | 0.2  | 5:54                                                                                | 5:37 |   |
| 13   | Mon | 2:27  | 1.8 | 2:09  | 1.8 | 8:11  | 0.4 | 8:20  | 0.1  | 5:54                                                                                | 5:36 |  |
| 14   | Tue | 3:03  | 1.9 | 2:28  | 1.6 | 8:49  | 0.5 | 8:42  | 0.0  | 5:54                                                                                | 5:35 |  |
| 15   | Wed | 3:42  | 2.0 | 2:46  | 1.5 | 9:32  | 0.6 | 9:07  | 0.0  | 5:55                                                                                | 5:34 |  |
| 16   | Thu | 4:24  | 2.0 | 3:01  | 1.4 | 10:21 | 0.8 | 9:36  | 0.0  | 5:55                                                                                | 5:34 |  |
| 17   | Fri | 5:14  | 2.0 | 3:09  | 1.3 | 11:23 | 0.9 | 10:08 | 0.0  | 5:55                                                                                | 5:33 |  |
| 18   | Sat | 6:17  | 2.0 | 2:48  | 1.2 |       |     | 1:10  | 1.0  | 5:56                                                                                | 5:32 |  |
| 19   | Sun | 7:43  | 1.9 |       |     |       |     | 11:42 | 0.2  | 5:56                                                                                | 5:31 |  |
| 20   | Mon | 9:20  | 1.9 |       |     |       |     |       |      | 5:57                                                                                | 5:31 |  |
| 21   | Tue | 10:33 | 2.0 | 9:57  | 0.8 | 1:17  | 0.3 | 6:51  | 0.6  | 5:57                                                                                | 5:30 |  |
| 22   | Wed | 11:24 | 2.1 | 11:30 | 1.0 | 3:18  | 0.3 | 6:29  | 0.5  | 5:57                                                                                | 5:29 |  |
| 23   | Thu |       |     | 12:04 | 2.1 | 4:46  | 0.3 | 6:39  | 0.4  | 5:58                                                                                | 5:28 |  |
| 24   | Fri | 12:24 | 1.3 | 12:37 | 2.0 | 5:49  | 0.3 | 6:57  | 0.2  | 5:58                                                                                | 5:28 |  |
| 25   | Sat | 1:10  | 1.6 | 1:05  | 2.0 | 6:42  | 0.4 | 7:19  | 0.1  | 5:59                                                                                | 5:27 |  |
| 26   | Sun | 1:53  | 1.9 | 1:30  | 1.8 | 7:30  | 0.4 | 7:43  | 0.0  | 5:59                                                                                | 5:26 |  |
| 27   | Mon | 2:34  | 2.0 | 1:52  | 1.7 | 8:17  | 0.6 | 8:09  | -0.1 | 6:00                                                                                | 5:26 |  |
| 28   | Tue | 3:15  | 2.2 | 2:10  | 1.5 | 9:06  | 0.7 | 8:35  | -0.1 | 6:00                                                                                | 5:25 |  |
| 29   | Wed | 3:56  | 2.2 | 2:24  | 1.3 | 9:57  | 0.8 | 9:02  | -0.1 | 6:01                                                                                | 5:25 |  |
| 30   | Thu | 4:37  | 2.2 | 2:32  | 1.2 | 10:56 | 0.9 | 9:29  | -0.1 | 6:01                                                                                | 5:24 |  |
| 31   | Fri | 5:22  | 2.1 | 2:20  | 1.1 |       |     | 12:16 | 0.9  | 6:02                                                                                | 5:23 |  |