

## Kawaihae, HI - Jul 1851

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |  |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Tue | 5:40  | 0.9 | 6:11  | 2.7 | 12:43 | 0.0  | 10:56 AM | -0.1 | 5:15                                                                                | 6:35 | ●                                                                                   |
| 2    | Wed | 6:40  | 0.9 | 6:57  | 2.5 | 1:28  | 0.0  | 11:49 AM | 0.1  | 5:15                                                                                | 6:35 | ◐                                                                                   |
| 3    | Thu | 7:50  | 1.0 | 7:45  | 2.3 | 2:14  | 0.0  | 12:48    | 0.3  | 5:16                                                                                | 6:35 | ◑                                                                                   |
| 4    | Fri | 9:11  | 1.2 | 8:36  | 2.0 | 3:00  | 0.0  | 2:00     | 0.6  | 5:16                                                                                | 6:35 | ◒                                                                                   |
| 5    | Sat | 10:31 | 1.4 | 9:33  | 1.7 | 3:47  | 0.0  | 3:33     | 0.8  | 5:16                                                                                | 6:35 | ◓                                                                                   |
| 6    | Sun | 11:40 | 1.7 | 10:34 | 1.4 | 4:34  | 0.0  | 5:25     | 0.8  | 5:17                                                                                | 6:35 | ◔                                                                                   |
| 7    | Mon |       |     | 12:38 | 2.0 | 5:19  | -0.1 | 7:06     | 0.8  | 5:17                                                                                | 6:35 | ◕                                                                                   |
| 8    | Tue |       |     | 1:28  | 2.2 | 6:02  | -0.1 | 8:20     | 0.6  | 5:17                                                                                | 6:35 | ◖                                                                                   |
| 9    | Wed | 12:43 | 1.0 | 2:11  | 2.4 | 6:43  | -0.1 | 9:16     | 0.5  | 5:18                                                                                | 6:35 | ◗                                                                                   |
| 10   | Thu | 1:41  | 0.9 | 2:52  | 2.6 | 7:22  | -0.1 | 10:02    | 0.4  | 5:18                                                                                | 6:35 | ◘                                                                                   |
| 11   | Fri | 2:33  | 0.9 | 3:29  | 2.6 | 8:01  | -0.1 | 10:41    | 0.3  | 5:18                                                                                | 6:35 | ◙                                                                                   |
| 12   | Sat | 3:19  | 0.9 | 4:05  | 2.6 | 8:39  | -0.1 | 11:16    | 0.2  | 5:19                                                                                | 6:34 | ◚                                                                                   |
| 13   | Sun | 4:01  | 0.9 | 4:39  | 2.6 | 9:17  | 0.0  | 11:48    | 0.2  | 5:19                                                                                | 6:34 | ◛                                                                                   |
| 14   | Mon | 4:41  | 0.9 | 5:12  | 2.5 | 9:55  | 0.0  |          |      | 5:20                                                                                | 6:34 | ◜                                                                                   |
| 15   | Tue | 5:20  | 0.9 | 5:45  | 2.4 | 12:20 | 0.2  | 10:33 AM | 0.1  | 5:20                                                                                | 6:34 | ◝                                                                                   |
| 16   | Wed | 6:01  | 1.0 | 6:17  | 2.3 | 12:51 | 0.2  | 11:12 AM | 0.3  | 5:20                                                                                | 6:34 | ◞                                                                                   |
| 17   | Thu | 6:48  | 1.0 | 6:49  | 2.1 | 1:24  | 0.2  | 11:54 AM | 0.4  | 5:21                                                                                | 6:34 | ◟                                                                                   |
| 18   | Fri | 7:45  | 1.1 | 7:22  | 1.9 | 1:57  | 0.3  | 12:41    | 0.6  | 5:21                                                                                | 6:33 | ◠                                                                                   |
| 19   | Sat | 8:55  | 1.2 | 7:58  | 1.7 | 2:32  | 0.3  | 1:40     | 0.8  | 5:22                                                                                | 6:33 | ◡                                                                                   |
| 20   | Sun | 10:10 | 1.3 | 8:41  | 1.5 | 3:10  | 0.3  | 3:04     | 1.0  | 5:22                                                                                | 6:33 | ◢                                                                                   |
| 21   | Mon | 11:17 | 1.5 | 9:37  | 1.3 | 3:51  | 0.2  | 4:59     | 1.0  | 5:22                                                                                | 6:33 | ◣                                                                                   |
| 22   | Tue |       |     | 12:11 | 1.8 | 4:35  | 0.2  | 6:46     | 0.9  | 5:23                                                                                | 6:32 | ◤                                                                                   |
| 23   | Wed |       |     | 12:58 | 2.1 | 5:21  | 0.1  | 7:55     | 0.7  | 5:23                                                                                | 6:32 | ◥                                                                                   |
| 24   | Thu | 12:01 | 1.0 | 1:41  | 2.3 | 6:08  | 0.0  | 8:45     | 0.5  | 5:23                                                                                | 6:32 | ◦                                                                                   |
| 25   | Fri | 1:07  | 1.0 | 2:22  | 2.5 | 6:55  | -0.1 | 9:28     | 0.4  | 5:24                                                                                | 6:31 | ◧                                                                                   |
| 26   | Sat | 2:05  | 1.0 | 3:04  | 2.7 | 7:42  | -0.2 | 10:08    | 0.2  | 5:24                                                                                | 6:31 | ◨                                                                                   |
| 27   | Sun | 2:57  | 1.0 | 3:46  | 2.8 | 8:29  | -0.2 | 10:49    | 0.1  | 5:25                                                                                | 6:31 | ◩                                                                                   |
| 28   | Mon | 3:47  | 1.1 | 4:27  | 2.9 | 9:16  | -0.2 | 11:29    | 0.1  | 5:25                                                                                | 6:30 | ◪                                                                                   |
| 29   | Tue | 4:37  | 1.2 | 5:09  | 2.8 | 10:05 | -0.2 |          |      | 5:25                                                                                | 6:30 | ◥                                                                                   |

| Date |     | High |     |      |     | Low   |     |          |     |  |      |   |
|------|-----|------|-----|------|-----|-------|-----|----------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM   | ft  | AM    | ft  | PM       | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 30   | Wed | 5:28 | 1.2 | 5:51 | 2.7 | 12:09 | 0.0 | 10:56 AM | 0.0 | 5:26                                                                               | 6:29 |  |
| 31   | Thu | 6:24 | 1.3 | 6:33 | 2.5 | 12:48 | 0.0 | 11:51 AM | 0.2 | 5:26                                                                               | 6:29 |  |