






























Nonopapa, Niihau Island, HI - May 2013

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

| Date | | High | | | | Low | | | |  | |  |
|-----------|-----|--------------|-----|-------------|-----|-------------|-----|-------------|-----|--|------|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 31 | Fri | 10:40 | 0.8 | 9:47 | 1.1 | 4:06 | 0.0 | 3:43 | 0.5 | 5:57 | 7:20 |  |