

## Nonopapa, Niihau Island, HI - Jan 1983

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