

## Nonopapa, Niihau Island, HI - Jan 1989

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