

## Nonopapa, Niihau Island, HI - Mar 1990

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

| Date |     | High |     |      |     | Low  |     |       |      |  |      |   |
|------|-----|------|-----|------|-----|------|-----|-------|------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM   | ft  | AM   | ft  | PM    | ft   | Rise                                                                               | Set  | Moon                                                                                |
| 31   | Sat | 6:54 | 0.3 | 8:39 | 1.4 | 3:16 | 0.2 | 12:27 | -0.1 | 6:34                                                                               | 6:55 |  |