

## Nonopapa, Niihau Island, HI - May 1989

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 12:14 | 1.2 | 1:25  | 1.1 | 6:57  | -0.2 | 7:21     | 0.2  | 6:08                                                                                | 7:06 |    |
| 2    | Tue | 1:00  | 1.1 | 2:07  | 1.4 | 7:25  | -0.2 | 8:27     | 0.2  | 6:08                                                                                | 7:07 |    |
| 3    | Wed | 1:45  | 0.9 | 2:50  | 1.6 | 7:55  | -0.3 | 9:30     | 0.1  | 6:07                                                                                | 7:07 |    |
| 4    | Thu | 2:29  | 0.8 | 3:33  | 1.8 | 8:25  | -0.3 | 10:30    | 0.1  | 6:07                                                                                | 7:08 |    |
| 5    | Fri | 3:13  | 0.6 | 4:16  | 1.8 | 8:58  | -0.3 | 11:29    | 0.1  | 6:06                                                                                | 7:08 |    |
| 6    | Sat | 3:59  | 0.5 | 5:02  | 1.8 | 9:32  | -0.3 |          |      | 6:05                                                                                | 7:09 |    |
| 7    | Sun | 4:47  | 0.4 | 5:49  | 1.8 | 12:29 | 0.1  | 10:09 AM | -0.2 | 6:05                                                                                | 7:09 |    |
| 8    | Mon | 5:42  | 0.3 | 6:39  | 1.6 | 1:31  | 0.1  | 10:48 AM | -0.1 | 6:04                                                                                | 7:09 |    |
| 9    | Tue | 6:53  | 0.3 | 7:34  | 1.5 | 2:37  | 0.1  | 11:32 AM | 0.0  | 6:04                                                                                | 7:10 |    |
| 10   | Wed | 8:28  | 0.3 | 8:32  | 1.4 | 3:42  | 0.1  | 12:29    | 0.2  | 6:03                                                                                | 7:10 |    |
| 11   | Thu | 10:12 | 0.4 | 9:31  | 1.2 | 4:37  | 0.1  | 1:53     | 0.3  | 6:03                                                                                | 7:11 |    |
| 12   | Fri | 11:29 | 0.6 | 10:27 | 1.1 | 5:18  | 0.0  | 3:37     | 0.4  | 6:02                                                                                | 7:11 |   |
| 13   | Sat |       |     | 12:18 | 0.8 | 5:49  | 0.0  | 5:10     | 0.4  | 6:02                                                                                | 7:12 |  |
| 14   | Sun |       |     | 12:56 | 0.9 | 6:13  | 0.0  | 6:27     | 0.4  | 6:01                                                                                | 7:12 |  |
| 15   | Mon |       |     | 1:30  | 1.1 | 6:36  | 0.0  | 7:31     | 0.4  | 6:01                                                                                | 7:12 |  |
| 16   | Tue | 12:38 | 0.8 | 2:01  | 1.3 | 6:58  | -0.1 | 8:26     | 0.3  | 6:01                                                                                | 7:13 |  |
| 17   | Wed | 1:14  | 0.7 | 2:31  | 1.4 | 7:20  | -0.1 | 9:15     | 0.3  | 6:00                                                                                | 7:13 |  |
| 18   | Thu | 1:49  | 0.6 | 3:02  | 1.5 | 7:44  | -0.1 | 10:01    | 0.2  | 6:00                                                                                | 7:14 |  |
| 19   | Fri | 2:24  | 0.5 | 3:35  | 1.6 | 8:08  | -0.1 | 10:47    | 0.2  | 6:00                                                                                | 7:14 |  |
| 20   | Sat | 3:00  | 0.5 | 4:09  | 1.6 | 8:35  | -0.1 | 11:32    | 0.1  | 5:59                                                                                | 7:15 |  |
| 21   | Sun | 3:36  | 0.4 | 4:46  | 1.6 | 9:04  | -0.1 |          |      | 5:59                                                                                | 7:15 |  |
| 22   | Mon | 4:14  | 0.4 | 5:26  | 1.6 | 12:20 | 0.1  | 9:36 AM  | -0.1 | 5:59                                                                                | 7:16 |  |
| 23   | Tue | 4:58  | 0.3 | 6:09  | 1.6 | 1:10  | 0.1  | 10:11 AM | -0.1 | 5:58                                                                                | 7:16 |  |
| 24   | Wed | 5:56  | 0.3 | 6:56  | 1.6 | 2:03  | 0.1  | 10:52 AM | 0.0  | 5:58                                                                                | 7:16 |  |
| 25   | Thu | 7:18  | 0.3 | 7:46  | 1.5 | 2:54  | 0.1  | 11:43 AM | 0.1  | 5:58                                                                                | 7:17 |  |
| 26   | Fri | 8:59  | 0.4 | 8:39  | 1.4 | 3:40  | 0.0  | 12:57    | 0.3  | 5:58                                                                                | 7:17 |  |
| 27   | Sat | 10:28 | 0.6 | 9:34  | 1.3 | 4:20  | 0.0  | 2:45     | 0.4  | 5:57                                                                                | 7:18 |  |
| 28   | Sun | 11:32 | 0.9 | 10:29 | 1.1 | 4:55  | -0.1 | 4:39     | 0.5  | 5:57                                                                                | 7:18 |  |
| 29   | Mon |       |     | 12:23 | 1.2 | 5:28  | -0.1 | 6:17     | 0.5  | 5:57                                                                                | 7:19 |  |

| Date |     | High  |     |      |     | Low  |      |      |     |  |      |   |
|------|-----|-------|-----|------|-----|------|------|------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM   | ft  | AM   | ft   | PM   | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 30   | Tue |       |     | 1:09 | 1.4 | 6:00 | -0.2 | 7:40 | 0.4 | 5:57                                                                               | 7:19 |  |
| 31   | Wed | 12:17 | 0.8 | 1:53 | 1.7 | 6:33 | -0.2 | 8:50 | 0.3 | 5:57                                                                               | 7:19 |  |