

## Nonopapa, Niihau Island, HI - Jul 1980

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 6:09  | 0.6 | 6:31  | 1.7 | 1:09  | 0.1  | 11:14 AM | 0.1 | 6:01                                                                                | 7:28 |    |
| 2    | Wed | 7:18  | 0.7 | 7:17  | 1.5 | 1:54  | 0.1  | 12:13    | 0.3 | 6:01                                                                                | 7:28 |    |
| 3    | Thu | 8:38  | 0.8 | 8:08  | 1.4 | 2:40  | 0.0  | 1:29     | 0.4 | 6:02                                                                                | 7:28 |    |
| 4    | Fri | 9:59  | 0.9 | 9:04  | 1.2 | 3:25  | 0.0  | 3:08     | 0.6 | 6:02                                                                                | 7:28 |    |
| 5    | Sat | 11:10 | 1.2 | 10:06 | 1.0 | 4:11  | 0.0  | 4:55     | 0.6 | 6:02                                                                                | 7:28 |    |
| 6    | Sun |       |     | 12:08 | 1.4 | 4:55  | -0.1 | 6:31     | 0.5 | 6:03                                                                                | 7:28 |    |
| 7    | Mon |       |     | 12:59 | 1.6 | 5:39  | -0.1 | 7:49     | 0.4 | 6:03                                                                                | 7:28 |    |
| 8    | Tue | 12:15 | 0.8 | 1:44  | 1.7 | 6:21  | -0.1 | 8:49     | 0.3 | 6:04                                                                                | 7:28 |    |
| 9    | Wed | 1:13  | 0.7 | 2:27  | 1.8 | 7:03  | -0.1 | 9:39     | 0.3 | 6:04                                                                                | 7:28 |    |
| 10   | Thu | 2:07  | 0.7 | 3:07  | 1.9 | 7:45  | -0.1 | 10:21    | 0.2 | 6:04                                                                                | 7:27 |    |
| 11   | Fri | 2:56  | 0.6 | 3:47  | 1.9 | 8:27  | -0.1 | 11:00    | 0.2 | 6:05                                                                                | 7:27 |    |
| 12   | Sat | 3:43  | 0.6 | 4:24  | 1.8 | 9:08  | -0.1 | 11:36    | 0.1 | 6:05                                                                                | 7:27 |  |
| 13   | Sun | 4:29  | 0.7 | 5:01  | 1.7 | 9:49  | 0.0  |          |     | 6:05                                                                                | 7:27 |  |
| 14   | Mon | 5:15  | 0.7 | 5:36  | 1.6 | 12:11 | 0.1  | 10:29 AM | 0.1 | 6:06                                                                                | 7:27 |  |
| 15   | Tue | 6:04  | 0.7 | 6:11  | 1.5 | 12:46 | 0.1  | 11:12 AM | 0.2 | 6:06                                                                                | 7:27 |  |
| 16   | Wed | 6:58  | 0.7 | 6:45  | 1.4 | 1:22  | 0.2  | 11:58 AM | 0.3 | 6:07                                                                                | 7:26 |  |
| 17   | Thu | 8:03  | 0.8 | 7:20  | 1.2 | 1:59  | 0.2  | 12:53    | 0.5 | 6:07                                                                                | 7:26 |  |
| 18   | Fri | 9:16  | 0.9 | 7:58  | 1.1 | 2:39  | 0.2  | 2:07     | 0.6 | 6:07                                                                                | 7:26 |  |
| 19   | Sat | 10:28 | 1.0 | 8:44  | 1.0 | 3:19  | 0.2  | 3:42     | 0.7 | 6:08                                                                                | 7:26 |  |
| 20   | Sun | 11:28 | 1.1 | 9:45  | 0.8 | 4:02  | 0.2  | 5:21     | 0.7 | 6:08                                                                                | 7:25 |  |
| 21   | Mon |       |     | 12:16 | 1.3 | 4:44  | 0.1  | 6:45     | 0.6 | 6:09                                                                                | 7:25 |  |
| 22   | Tue |       |     | 12:57 | 1.4 | 5:25  | 0.1  | 7:48     | 0.5 | 6:09                                                                                | 7:25 |  |
| 23   | Wed | 12:00 | 0.7 | 1:35  | 1.5 | 6:06  | 0.1  | 8:35     | 0.4 | 6:10                                                                                | 7:24 |  |
| 24   | Thu | 12:56 | 0.7 | 2:13  | 1.7 | 6:47  | 0.0  | 9:16     | 0.3 | 6:10                                                                                | 7:24 |  |
| 25   | Fri | 1:46  | 0.7 | 2:50  | 1.8 | 7:29  | 0.0  | 9:55     | 0.2 | 6:10                                                                                | 7:23 |  |
| 26   | Sat | 2:33  | 0.7 | 3:28  | 1.9 | 8:11  | -0.1 | 10:33    | 0.2 | 6:11                                                                                | 7:23 |  |
| 27   | Sun | 3:20  | 0.7 | 4:07  | 1.9 | 8:54  | -0.1 | 11:10    | 0.1 | 6:11                                                                                | 7:23 |  |
| 28   | Mon | 4:08  | 0.8 | 4:46  | 1.9 | 9:40  | 0.0  | 11:48    | 0.1 | 6:12                                                                                | 7:22 |  |
| 29   | Tue | 4:58  | 0.8 | 5:26  | 1.8 | 10:28 | 0.0  |          |     | 6:12                                                                                | 7:22 |  |
| 30   | Wed | 5:54  | 0.9 | 6:07  | 1.6 | 12:27 | 0.1  | 11:21 AM | 0.2 | 6:12                                                                                | 7:21 |  |

| Date |     | High |     |      |     | Low  |     |       |     |  |      |   |
|------|-----|------|-----|------|-----|------|-----|-------|-----|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM   | ft  | AM   | ft  | PM    | ft  | Rise                                                                               | Set  | Moon                                                                                |
| 31   | Thu | 6:57 | 1.0 | 6:50 | 1.5 | 1:07 | 0.1 | 12:23 | 0.3 | 6:13                                                                               | 7:21 |  |