

## Vineyard Haven, Martha's Vineyard, MA - Dec 1778

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 8:44  | 2.0 | 9:10  | 1.8 | 1:43  | -0.1 | 2:39  | -0.1 | 6:54                                                                                | 4:17 |    |
| 2    | Wed | 9:37  | 2.2 | 10:03 | 1.9 | 2:28  | -0.3 | 3:29  | -0.2 | 6:55                                                                                | 4:17 |    |
| 3    | Thu | 10:28 | 2.3 | 10:55 | 2.0 | 3:14  | -0.4 | 4:20  | -0.3 | 6:56                                                                                | 4:17 |    |
| 4    | Fri | 11:19 | 2.4 | 11:46 | 2.0 | 4:02  | -0.5 | 5:13  | -0.4 | 6:57                                                                                | 4:17 |    |
| 5    | Sat |       |     | 12:10 | 2.4 | 4:53  | -0.5 | 6:06  | -0.4 | 6:58                                                                                | 4:17 |    |
| 6    | Sun | 12:39 | 2.0 | 1:03  | 2.4 | 5:45  | -0.4 | 6:59  | -0.3 | 6:59                                                                                | 4:17 |    |
| 7    | Mon | 1:33  | 2.0 | 1:59  | 2.2 | 6:37  | -0.3 | 7:51  | -0.1 | 6:59                                                                                | 4:16 |    |
| 8    | Tue | 2:30  | 1.9 | 2:56  | 2.1 | 7:30  | -0.1 | 8:52  | 0.0  | 7:00                                                                                | 4:16 |    |
| 9    | Wed | 3:29  | 1.9 | 3:56  | 1.9 | 8:28  | 0.1  | 10:18 | 0.2  | 7:01                                                                                | 4:16 |    |
| 10   | Thu | 4:28  | 1.8 | 4:54  | 1.8 | 9:43  | 0.3  | 11:36 | 0.2  | 7:02                                                                                | 4:17 |    |
| 11   | Fri | 5:27  | 1.8 | 5:52  | 1.7 | 11:51 | 0.4  |       |      | 7:03                                                                                | 4:17 |    |
| 12   | Sat | 6:27  | 1.8 | 6:51  | 1.6 | 12:33 | 0.2  | 1:06  | 0.4  | 7:04                                                                                | 4:17 |   |
| 13   | Sun | 7:27  | 1.8 | 7:51  | 1.5 | 1:15  | 0.2  | 1:58  | 0.3  | 7:04                                                                                | 4:17 |  |
| 14   | Mon | 8:25  | 1.8 | 8:46  | 1.5 | 1:45  | 0.2  | 2:37  | 0.3  | 7:05                                                                                | 4:17 |  |
| 15   | Tue | 9:15  | 1.8 | 9:35  | 1.5 | 2:09  | 0.2  | 3:08  | 0.2  | 7:06                                                                                | 4:17 |  |
| 16   | Wed | 10:00 | 1.9 | 10:18 | 1.5 | 2:37  | 0.1  | 3:39  | 0.1  | 7:07                                                                                | 4:18 |  |
| 17   | Thu | 10:40 | 1.9 | 10:57 | 1.6 | 3:11  | 0.1  | 4:13  | 0.1  | 7:07                                                                                | 4:18 |  |
| 18   | Fri | 11:17 | 1.9 | 11:35 | 1.6 | 3:50  | 0.0  | 4:51  | 0.0  | 7:08                                                                                | 4:18 |  |
| 19   | Sat | 11:53 | 1.8 |       |     | 4:30  | 0.0  | 5:30  | 0.0  | 7:08                                                                                | 4:19 |  |
| 20   | Sun | 12:12 | 1.5 | 12:28 | 1.8 | 5:12  | 0.0  | 6:09  | 0.0  | 7:09                                                                                | 4:19 |  |
| 21   | Mon | 12:49 | 1.5 | 1:04  | 1.7 | 5:53  | 0.0  | 6:45  | 0.0  | 7:10                                                                                | 4:20 |  |
| 22   | Tue | 1:27  | 1.5 | 1:41  | 1.7 | 6:33  | 0.1  | 7:19  | 0.1  | 7:10                                                                                | 4:20 |  |
| 23   | Wed | 2:08  | 1.4 | 2:21  | 1.6 | 7:12  | 0.1  | 7:53  | 0.1  | 7:10                                                                                | 4:21 |  |
| 24   | Thu | 2:52  | 1.4 | 3:06  | 1.5 | 7:52  | 0.2  | 8:30  | 0.2  | 7:11                                                                                | 4:22 |  |
| 25   | Fri | 3:39  | 1.4 | 3:54  | 1.5 | 8:37  | 0.3  | 9:14  | 0.2  | 7:11                                                                                | 4:22 |  |
| 26   | Sat | 4:27  | 1.5 | 4:45  | 1.5 | 9:35  | 0.4  | 10:07 | 0.1  | 7:12                                                                                | 4:23 |  |
| 27   | Sun | 5:18  | 1.5 | 5:38  | 1.5 | 10:49 | 0.3  | 11:06 | 0.1  | 7:12                                                                                | 4:23 |  |
| 28   | Mon | 6:13  | 1.6 | 6:38  | 1.5 |       |      | 12:11 | 0.3  | 7:12                                                                                | 4:24 |  |
| 29   | Tue | 7:13  | 1.8 | 7:42  | 1.5 | 12:06 | 0.0  | 1:23  | 0.1  | 7:12                                                                                | 4:25 |  |
| 30   | Wed | 8:16  | 1.9 | 8:46  | 1.6 | 1:04  | -0.2 | 2:22  | -0.1 | 7:13                                                                                | 4:26 |  |
| 31   | Thu | 9:16  | 2.1 | 9:44  | 1.8 | 1:59  | -0.3 | 3:16  | -0.2 | 7:13                                                                                | 4:27 |  |