

## Marblehead, MA - Dec 1863

| Date |     | High  |      |       |      | Low   |      |       |      |  |      |    |
|------|-----|-------|------|-------|------|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 2:51  | 8.0  | 2:58  | 8.6  | 8:47  | 1.7  | 9:19  | 0.8  | 6:57                                                                                | 4:15 |    |
| 2    | Wed | 3:37  | 8.0  | 3:48  | 8.3  | 9:37  | 1.8  | 10:06 | 1.0  | 6:58                                                                                | 4:15 |    |
| 3    | Thu | 4:27  | 8.1  | 4:41  | 8.1  | 10:30 | 1.8  | 10:55 | 1.2  | 6:59                                                                                | 4:15 |    |
| 4    | Fri | 5:18  | 8.2  | 5:37  | 7.9  | 11:26 | 1.7  | 11:46 | 1.3  | 7:00                                                                                | 4:15 |    |
| 5    | Sat | 6:10  | 8.5  | 6:33  | 7.9  |       |      | 12:21 | 1.4  | 7:01                                                                                | 4:14 |    |
| 6    | Sun | 6:59  | 8.8  | 7:27  | 8.0  | 12:37 | 1.3  | 1:15  | 1.1  | 7:02                                                                                | 4:14 |    |
| 7    | Mon | 7:47  | 9.2  | 8:18  | 8.2  | 1:27  | 1.2  | 2:07  | 0.6  | 7:03                                                                                | 4:14 |    |
| 8    | Tue | 8:34  | 9.6  | 9:08  | 8.5  | 2:15  | 1.0  | 2:56  | 0.1  | 7:04                                                                                | 4:14 |    |
| 9    | Wed | 9:20  | 10.1 | 9:57  | 8.8  | 3:03  | 0.7  | 3:45  | -0.4 | 7:05                                                                                | 4:14 |    |
| 10   | Thu | 10:08 | 10.6 | 10:45 | 9.1  | 3:51  | 0.4  | 4:33  | -0.9 | 7:06                                                                                | 4:14 |    |
| 11   | Fri | 10:56 | 11.0 | 11:34 | 9.4  | 4:39  | 0.1  | 5:21  | -1.3 | 7:07                                                                                | 4:14 |    |
| 12   | Sat | 11:45 | 11.2 |       |      | 5:29  | -0.1 | 6:10  | -1.5 | 7:07                                                                                | 4:14 |    |
| 13   | Sun | 12:24 | 9.7  | 12:37 | 11.3 | 6:21  | -0.3 | 7:01  | -1.5 | 7:08                                                                                | 4:14 |   |
| 14   | Mon | 1:16  | 9.9  | 1:31  | 11.1 | 7:15  | -0.4 | 7:53  | -1.4 | 7:09                                                                                | 4:15 |  |
| 15   | Tue | 2:10  | 10.0 | 2:28  | 10.7 | 8:13  | -0.4 | 8:48  | -1.2 | 7:10                                                                                | 4:15 |  |
| 16   | Wed | 3:07  | 10.0 | 3:28  | 10.3 | 9:13  | -0.2 | 9:44  | -0.8 | 7:10                                                                                | 4:15 |  |
| 17   | Thu | 4:06  | 10.1 | 4:31  | 9.7  | 10:15 | -0.1 | 10:42 | -0.4 | 7:11                                                                                | 4:15 |  |
| 18   | Fri | 5:08  | 10.1 | 5:37  | 9.3  | 11:20 | 0.0  | 11:42 | 0.0  | 7:12                                                                                | 4:16 |  |
| 19   | Sat | 6:10  | 10.1 | 6:43  | 9.0  |       |      | 12:26 | 0.0  | 7:12                                                                                | 4:16 |  |
| 20   | Sun | 7:10  | 10.1 | 7:46  | 8.8  | 12:42 | 0.3  | 1:30  | 0.0  | 7:13                                                                                | 4:16 |  |
| 21   | Mon | 8:07  | 10.1 | 8:45  | 8.6  | 1:41  | 0.6  | 2:29  | 0.0  | 7:13                                                                                | 4:17 |  |
| 22   | Tue | 9:00  | 10.0 | 9:39  | 8.5  | 2:35  | 0.8  | 3:23  | -0.1 | 7:14                                                                                | 4:17 |  |
| 23   | Wed | 9:48  | 9.9  | 10:27 | 8.4  | 3:26  | 0.9  | 4:11  | 0.0  | 7:14                                                                                | 4:18 |  |
| 24   | Thu | 10:32 | 9.8  | 11:09 | 8.3  | 4:11  | 1.1  | 4:53  | 0.1  | 7:15                                                                                | 4:19 |  |
| 25   | Fri | 11:12 | 9.6  | 11:47 | 8.3  | 4:53  | 1.2  | 5:31  | 0.2  | 7:15                                                                                | 4:19 |  |
| 26   | Sat | 11:49 | 9.5  |       |      | 5:31  | 1.3  | 6:07  | 0.3  | 7:16                                                                                | 4:20 |  |
| 27   | Sun | 12:23 | 8.2  | 12:25 | 9.3  | 6:09  | 1.3  | 6:43  | 0.3  | 7:16                                                                                | 4:20 |  |
| 28   | Mon | 12:58 | 8.2  | 1:02  | 9.2  | 6:48  | 1.4  | 7:20  | 0.4  | 7:16                                                                                | 4:21 |  |
| 29   | Tue | 1:35  | 8.3  | 1:41  | 9.0  | 7:30  | 1.4  | 7:59  | 0.5  | 7:16                                                                                | 4:22 |  |
| 30   | Wed | 2:14  | 8.3  | 2:22  | 8.7  | 8:14  | 1.4  | 8:40  | 0.7  | 7:17                                                                                | 4:23 |  |
| 31   | Thu | 2:56  | 8.4  | 3:07  | 8.5  | 9:00  | 1.4  | 9:25  | 0.9  | 7:17                                                                                | 4:23 |  |