

## Newburyport (Merrimack River), MA - Jul 1889

| Date |     | High  |      |       |      | Low   |      |       |      |  |      |  |
|------|-----|-------|------|-------|------|-------|------|-------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft   | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Mon | 1:06  | 8.6  | 1:38  | 7.5  | 7:51  | 0.3  | 7:57  | 1.2  | 4:08                                                                                | 7:25 | ●                                                                                   |
| 2    | Tue | 1:48  | 8.6  | 2:21  | 7.6  | 8:32  | 0.3  | 8:40  | 1.2  | 4:09                                                                                | 7:25 | ◐                                                                                   |
| 3    | Wed | 2:33  | 8.5  | 3:07  | 7.7  | 9:14  | 0.4  | 9:27  | 1.2  | 4:09                                                                                | 7:25 | ◑                                                                                   |
| 4    | Thu | 3:20  | 8.4  | 3:54  | 7.9  | 9:59  | 0.4  | 10:18 | 1.1  | 4:10                                                                                | 7:25 | ◑                                                                                   |
| 5    | Fri | 4:10  | 8.3  | 4:43  | 8.1  | 10:46 | 0.5  | 11:13 | 1.0  | 4:11                                                                                | 7:24 | ◑                                                                                   |
| 6    | Sat | 5:03  | 8.1  | 5:35  | 8.4  | 11:37 | 0.6  |       |      | 4:11                                                                                | 7:24 | ◑                                                                                   |
| 7    | Sun | 5:59  | 8.0  | 6:28  | 8.7  | 12:11 | 0.8  | 12:30 | 0.6  | 4:12                                                                                | 7:24 | ◑                                                                                   |
| 8    | Mon | 6:57  | 7.9  | 7:24  | 9.0  | 1:09  | 0.4  | 1:24  | 0.6  | 4:13                                                                                | 7:23 | ◑                                                                                   |
| 9    | Tue | 7:56  | 7.9  | 8:19  | 9.4  | 2:07  | 0.1  | 2:18  | 0.5  | 4:13                                                                                | 7:23 | ○                                                                                   |
| 10   | Wed | 8:55  | 8.0  | 9:15  | 9.7  | 3:04  | -0.3 | 3:13  | 0.3  | 4:14                                                                                | 7:22 | ○                                                                                   |
| 11   | Thu | 9:51  | 8.2  | 10:09 | 10.0 | 3:59  | -0.7 | 4:07  | 0.1  | 4:15                                                                                | 7:22 | ○                                                                                   |
| 12   | Fri | 10:46 | 8.3  | 11:03 | 10.2 | 4:53  | -1.0 | 5:02  | -0.1 | 4:16                                                                                | 7:21 | ○                                                                                   |
| 13   | Sat | 11:39 | 8.5  | 11:55 | 10.3 | 5:46  | -1.2 | 5:55  | -0.2 | 4:16                                                                                | 7:21 | ○                                                                                   |
| 14   | Sun |       |      | 12:31 | 8.6  | 6:37  | -1.2 | 6:49  | -0.3 | 4:17                                                                                | 7:20 | ○                                                                                   |
| 15   | Mon | 12:48 | 10.1 | 1:23  | 8.7  | 7:28  | -1.2 | 7:42  | -0.3 | 4:18                                                                                | 7:19 | ○                                                                                   |
| 16   | Tue | 1:40  | 9.9  | 2:14  | 8.7  | 8:18  | -1.0 | 8:36  | -0.2 | 4:19                                                                                | 7:19 | ○                                                                                   |
| 17   | Wed | 2:33  | 9.4  | 3:07  | 8.7  | 9:09  | -0.7 | 9:30  | 0.0  | 4:20                                                                                | 7:18 | ○                                                                                   |
| 18   | Thu | 3:26  | 9.0  | 3:59  | 8.6  | 10:00 | -0.3 | 10:27 | 0.2  | 4:21                                                                                | 7:17 | ○                                                                                   |
| 19   | Fri | 4:20  | 8.5  | 4:51  | 8.5  | 10:52 | 0.1  | 11:24 | 0.4  | 4:22                                                                                | 7:17 | ○                                                                                   |
| 20   | Sat | 5:15  | 8.0  | 5:44  | 8.4  | 11:46 | 0.4  |       |      | 4:23                                                                                | 7:16 | ◐                                                                                   |
| 21   | Sun | 6:11  | 7.6  | 6:38  | 8.3  | 12:22 | 0.6  | 12:39 | 0.7  | 4:23                                                                                | 7:15 | ◑                                                                                   |
| 22   | Mon | 7:07  | 7.3  | 7:31  | 8.2  | 1:18  | 0.6  | 1:32  | 1.0  | 4:24                                                                                | 7:14 | ◑                                                                                   |
| 23   | Tue | 8:03  | 7.1  | 8:23  | 8.2  | 2:12  | 0.6  | 2:24  | 1.1  | 4:25                                                                                | 7:13 | ◑                                                                                   |
| 24   | Wed | 8:56  | 7.0  | 9:12  | 8.3  | 3:04  | 0.6  | 3:13  | 1.2  | 4:26                                                                                | 7:12 | ◑                                                                                   |
| 25   | Thu | 9:45  | 7.1  | 9:57  | 8.4  | 3:53  | 0.5  | 4:00  | 1.2  | 4:27                                                                                | 7:11 | ◑                                                                                   |
| 26   | Fri | 10:29 | 7.1  | 10:40 | 8.5  | 4:39  | 0.4  | 4:46  | 1.2  | 4:28                                                                                | 7:10 | ◑                                                                                   |
| 27   | Sat | 11:11 | 7.3  | 11:21 | 8.6  | 5:23  | 0.3  | 5:29  | 1.1  | 4:29                                                                                | 7:09 | ◑                                                                                   |
| 28   | Sun | 11:51 | 7.4  |       |      | 6:04  | 0.3  | 6:10  | 1.0  | 4:30                                                                                | 7:08 | ●                                                                                   |
| 29   | Mon | 12:01 | 8.7  | 12:30 | 7.6  | 6:44  | 0.2  | 6:51  | 1.0  | 4:31                                                                                | 7:07 | ●                                                                                   |
| 30   | Tue | 12:42 | 8.7  | 1:11  | 7.8  | 7:23  | 0.2  | 7:32  | 0.9  | 4:32                                                                                | 7:06 | ●                                                                                   |
| 31   | Wed | 1:24  | 8.7  | 1:53  | 8.0  | 8:03  | 0.2  | 8:14  | 0.8  | 4:33                                                                                | 7:05 | ●                                                                                   |