

## Hell Gate, Wards Island, NY - Jan 1862

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |  |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                |
| 1    | Wed | 11:20 | 7.6 | 11:52 | 6.3 | 6:04  | -1.2 | 6:44  | -1.8 | 7:24                                                                                | 4:42 | ☀                                                                                   |
| 2    | Thu |       |     | 12:10 | 7.3 | 6:54  | -1.1 | 7:30  | -1.7 | 7:24                                                                                | 4:43 | ☀                                                                                   |
| 3    | Fri | 12:45 | 6.2 | 1:01  | 6.9 | 7:42  | -0.8 | 8:15  | -1.4 | 7:24                                                                                | 4:44 | ☀                                                                                   |
| 4    | Sat | 1:38  | 6.0 | 1:53  | 6.5 | 8:29  | -0.4 | 8:59  | -0.9 | 7:24                                                                                | 4:45 | ☀                                                                                   |
| 5    | Sun | 2:30  | 5.9 | 2:44  | 6.0 | 9:18  | 0.2  | 9:45  | -0.4 | 7:24                                                                                | 4:46 | ☀                                                                                   |
| 6    | Mon | 3:20  | 5.7 | 3:34  | 5.6 | 10:12 | 0.7  | 10:33 | 0.1  | 7:24                                                                                | 4:47 | ☀                                                                                   |
| 7    | Tue | 4:07  | 5.6 | 4:22  | 5.2 | 11:12 | 1.1  | 11:24 | 0.6  | 7:24                                                                                | 4:48 | ☀                                                                                   |
| 8    | Wed | 4:54  | 5.5 | 5:11  | 4.8 |       |      | 12:14 | 1.2  | 7:24                                                                                | 4:49 | ☀                                                                                   |
| 9    | Thu | 5:42  | 5.4 | 6:05  | 4.6 | 12:18 | 0.8  | 1:13  | 1.2  | 7:23                                                                                | 4:50 | ☀                                                                                   |
| 10   | Fri | 6:35  | 5.4 | 7:04  | 4.5 | 1:10  | 0.9  | 2:08  | 1.0  | 7:23                                                                                | 4:51 | ☀                                                                                   |
| 11   | Sat | 7:32  | 5.5 | 8:03  | 4.6 | 2:00  | 0.8  | 2:57  | 0.7  | 7:23                                                                                | 4:52 | ☀                                                                                   |
| 12   | Sun | 8:23  | 5.7 | 8:53  | 4.8 | 2:48  | 0.7  | 3:43  | 0.4  | 7:23                                                                                | 4:53 | ☀                                                                                   |
| 13   | Mon | 9:08  | 6.0 | 9:37  | 5.0 | 3:34  | 0.4  | 4:28  | 0.0  | 7:22                                                                                | 4:54 | ☀                                                                                   |
| 14   | Tue | 9:47  | 6.2 | 10:18 | 5.2 | 4:19  | 0.2  | 5:11  | -0.3 | 7:22                                                                                | 4:55 | ☀                                                                                   |
| 15   | Wed | 10:22 | 6.4 | 10:55 | 5.4 | 5:03  | 0.0  | 5:53  | -0.6 | 7:22                                                                                | 4:56 | ☀                                                                                   |
| 16   | Thu | 10:56 | 6.5 | 11:32 | 5.5 | 5:47  | -0.3 | 6:32  | -0.8 | 7:21                                                                                | 4:58 | ☀                                                                                   |
| 17   | Fri | 11:30 | 6.5 |       |     | 6:28  | -0.4 | 7:10  | -0.9 | 7:21                                                                                | 4:59 | ☀                                                                                   |
| 18   | Sat | 12:08 | 5.7 | 12:06 | 6.5 | 7:09  | -0.5 | 7:46  | -1.0 | 7:20                                                                                | 5:00 | ☀                                                                                   |
| 19   | Sun | 12:48 | 5.8 | 12:47 | 6.3 | 7:49  | -0.5 | 8:21  | -0.9 | 7:20                                                                                | 5:01 | ☀                                                                                   |
| 20   | Mon | 1:32  | 5.9 | 1:34  | 6.1 | 8:32  | -0.4 | 9:00  | -0.7 | 7:19                                                                                | 5:02 | ☀                                                                                   |
| 21   | Tue | 2:22  | 6.0 | 2:28  | 5.8 | 9:22  | -0.1 | 9:44  | -0.5 | 7:18                                                                                | 5:03 | ☀                                                                                   |
| 22   | Wed | 3:15  | 6.1 | 3:26  | 5.5 | 10:25 | 0.2  | 10:42 | -0.2 | 7:18                                                                                | 5:04 | ☀                                                                                   |
| 23   | Thu | 4:12  | 6.2 | 4:27  | 5.2 | 11:40 | 0.3  | 11:53 | -0.1 | 7:17                                                                                | 5:06 | ☀                                                                                   |
| 24   | Fri | 5:11  | 6.2 | 5:34  | 5.0 |       |      | 12:53 | 0.2  | 7:16                                                                                | 5:07 | ☀                                                                                   |
| 25   | Sat | 6:18  | 6.3 | 6:49  | 5.0 | 1:03  | -0.1 | 1:59  | -0.1 | 7:16                                                                                | 5:08 | ☀                                                                                   |
| 26   | Sun | 7:30  | 6.5 | 8:02  | 5.3 | 2:08  | -0.3 | 2:59  | -0.5 | 7:15                                                                                | 5:09 | ☀                                                                                   |
| 27   | Mon | 8:34  | 6.8 | 9:04  | 5.6 | 3:08  | -0.6 | 3:54  | -1.0 | 7:14                                                                                | 5:11 | ☀                                                                                   |
| 28   | Tue | 9:29  | 7.0 | 9:57  | 6.0 | 4:04  | -0.9 | 4:46  | -1.3 | 7:13                                                                                | 5:12 | ☀                                                                                   |
| 29   | Wed | 10:18 | 7.2 | 10:46 | 6.2 | 4:58  | -1.1 | 5:36  | -1.6 | 7:12                                                                                | 5:13 | ☀                                                                                   |
| 30   | Thu | 11:05 | 7.2 | 11:33 | 6.3 | 5:49  | -1.2 | 6:22  | -1.7 | 7:11                                                                                | 5:14 | ☀                                                                                   |
| 31   | Fri | 11:50 | 7.0 |       |     | 6:37  | -1.2 | 7:06  | -1.7 | 7:10                                                                                | 5:15 | ☀                                                                                   |