

## Hell Gate, Wards Island, NY - Feb 1848

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 8:07  | 5.8 | 8:34  | 4.9 | 2:42  | 0.5  | 3:26  | 0.2  | 7:10                                                                                | 5:16 |    |
| 2    | Wed | 8:54  | 6.2 | 9:20  | 5.2 | 3:30  | 0.1  | 4:13  | -0.4 | 7:09                                                                                | 5:17 |    |
| 3    | Thu | 9:37  | 6.6 | 10:01 | 5.6 | 4:18  | -0.3 | 4:59  | -0.9 | 7:08                                                                                | 5:18 |    |
| 4    | Fri | 10:18 | 6.9 | 10:42 | 6.0 | 5:06  | -0.7 | 5:45  | -1.3 | 7:07                                                                                | 5:20 |    |
| 5    | Sat | 11:00 | 7.1 | 11:25 | 6.3 | 5:53  | -1.1 | 6:29  | -1.6 | 7:06                                                                                | 5:21 |    |
| 6    | Sun | 11:44 | 7.2 |       |     | 6:41  | -1.4 | 7:12  | -1.8 | 7:05                                                                                | 5:22 |    |
| 7    | Mon | 12:11 | 6.4 | 12:33 | 7.0 | 7:27  | -1.4 | 7:55  | -1.8 | 7:04                                                                                | 5:23 |    |
| 8    | Tue | 1:01  | 6.5 | 1:25  | 6.8 | 8:15  | -1.3 | 8:39  | -1.6 | 7:03                                                                                | 5:25 |    |
| 9    | Wed | 1:56  | 6.5 | 2:22  | 6.4 | 9:07  | -0.9 | 9:28  | -1.2 | 7:02                                                                                | 5:26 |    |
| 10   | Thu | 2:54  | 6.5 | 3:21  | 6.1 | 10:07 | -0.5 | 10:25 | -0.8 | 7:00                                                                                | 5:27 |    |
| 11   | Fri | 3:52  | 6.4 | 4:20  | 5.8 | 11:16 | -0.1 | 11:30 | -0.4 | 6:59                                                                                | 5:28 |    |
| 12   | Sat | 4:51  | 6.3 | 5:22  | 5.5 |       |      | 12:25 | 0.0  | 6:58                                                                                | 5:29 |    |
| 13   | Sun | 5:54  | 6.1 | 6:28  | 5.3 | 12:37 | -0.2 | 1:31  | -0.1 | 6:57                                                                                | 5:31 |   |
| 14   | Mon | 7:01  | 6.1 | 7:36  | 5.4 | 1:40  | -0.2 | 2:30  | -0.3 | 6:55                                                                                | 5:32 |  |
| 15   | Tue | 8:06  | 6.2 | 8:36  | 5.6 | 2:38  | -0.3 | 3:25  | -0.6 | 6:54                                                                                | 5:33 |  |
| 16   | Wed | 9:01  | 6.4 | 9:28  | 5.9 | 3:32  | -0.5 | 4:15  | -0.8 | 6:53                                                                                | 5:34 |  |
| 17   | Thu | 9:48  | 6.6 | 10:14 | 6.1 | 4:23  | -0.6 | 5:03  | -1.0 | 6:51                                                                                | 5:36 |  |
| 18   | Fri | 10:31 | 6.6 | 10:57 | 6.2 | 5:11  | -0.7 | 5:47  | -1.1 | 6:50                                                                                | 5:37 |  |
| 19   | Sat | 11:12 | 6.6 | 11:38 | 6.2 | 5:56  | -0.8 | 6:29  | -1.1 | 6:49                                                                                | 5:38 |  |
| 20   | Sun | 11:51 | 6.4 |       |     | 6:38  | -0.7 | 7:07  | -0.9 | 6:47                                                                                | 5:39 |  |
| 21   | Mon | 12:18 | 6.1 | 12:31 | 6.2 | 7:18  | -0.6 | 7:43  | -0.7 | 6:46                                                                                | 5:40 |  |
| 22   | Tue | 12:59 | 6.0 | 1:11  | 5.8 | 7:55  | -0.3 | 8:16  | -0.3 | 6:45                                                                                | 5:41 |  |
| 23   | Wed | 1:40  | 5.8 | 1:51  | 5.5 | 8:32  | 0.1  | 8:48  | 0.1  | 6:43                                                                                | 5:43 |  |
| 24   | Thu | 2:21  | 5.6 | 2:33  | 5.2 | 9:09  | 0.5  | 9:19  | 0.5  | 6:42                                                                                | 5:44 |  |
| 25   | Fri | 3:03  | 5.5 | 3:15  | 4.9 | 9:51  | 0.9  | 9:52  | 0.9  | 6:40                                                                                | 5:45 |  |
| 26   | Sat | 3:44  | 5.3 | 3:59  | 4.7 | 10:47 | 1.2  | 10:42 | 1.2  | 6:39                                                                                | 5:46 |  |
| 27   | Sun | 4:26  | 5.2 | 4:47  | 4.5 | 11:57 | 1.4  | 11:59 | 1.4  | 6:37                                                                                | 5:47 |  |
| 28   | Mon | 5:15  | 5.3 | 5:44  | 4.5 |       |      | 1:03  | 1.2  | 6:36                                                                                | 5:48 |  |
| 29   | Tue | 6:14  | 5.4 | 6:53  | 4.7 | 1:09  | 1.2  | 2:00  | 0.8  | 6:34                                                                                | 5:50 |  |