

## Hell Gate, Wards Island, NY - Jun 1854

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 2:03  | 6.0 | 3:22  | 5.2 | 9:42  | 1.2  | 9:19  | 2.1  | 4:30                                                                                | 7:24 |    |
| 2    | Fri | 2:50  | 5.9 | 4:07  | 5.3 | 10:31 | 1.4  | 10:15 | 2.3  | 4:29                                                                                | 7:25 |    |
| 3    | Sat | 3:37  | 5.8 | 4:48  | 5.4 | 11:25 | 1.4  | 11:29 | 2.3  | 4:29                                                                                | 7:25 |    |
| 4    | Sun | 4:25  | 5.7 | 5:31  | 5.7 |       |      | 12:18 | 1.3  | 4:28                                                                                | 7:26 |    |
| 5    | Mon | 5:17  | 5.7 | 6:19  | 6.1 | 12:39 | 2.1  | 1:08  | 1.1  | 4:28                                                                                | 7:27 |    |
| 6    | Tue | 6:17  | 5.7 | 7:10  | 6.6 | 1:40  | 1.6  | 1:56  | 0.8  | 4:28                                                                                | 7:27 |    |
| 7    | Wed | 7:22  | 5.8 | 8:02  | 7.1 | 2:35  | 1.0  | 2:43  | 0.5  | 4:27                                                                                | 7:28 |    |
| 8    | Thu | 8:22  | 6.0 | 8:51  | 7.7 | 3:28  | 0.4  | 3:31  | 0.2  | 4:27                                                                                | 7:28 |    |
| 9    | Fri | 9:16  | 6.2 | 9:39  | 8.1 | 4:21  | -0.2 | 4:21  | -0.1 | 4:27                                                                                | 7:29 |    |
| 10   | Sat | 10:08 | 6.4 | 10:28 | 8.3 | 5:15  | -0.6 | 5:14  | -0.3 | 4:27                                                                                | 7:30 |    |
| 11   | Sun | 11:01 | 6.4 | 11:20 | 8.3 | 6:08  | -0.9 | 6:09  | -0.3 | 4:27                                                                                | 7:30 |    |
| 12   | Mon | 11:59 | 6.4 |       |     | 7:00  | -1.1 | 7:02  | -0.3 | 4:27                                                                                | 7:31 |   |
| 13   | Tue | 12:16 | 8.1 | 1:01  | 6.4 | 7:51  | -1.0 | 7:56  | -0.1 | 4:27                                                                                | 7:31 |  |
| 14   | Wed | 1:17  | 7.8 | 2:05  | 6.4 | 8:43  | -0.8 | 8:52  | 0.3  | 4:27                                                                                | 7:32 |  |
| 15   | Thu | 2:20  | 7.5 | 3:08  | 6.4 | 9:37  | -0.5 | 9:53  | 0.7  | 4:27                                                                                | 7:32 |  |
| 16   | Fri | 3:21  | 7.1 | 4:05  | 6.5 | 10:35 | -0.2 | 11:01 | 1.1  | 4:27                                                                                | 7:32 |  |
| 17   | Sat | 4:18  | 6.7 | 5:00  | 6.6 | 11:35 | 0.1  |       |      | 4:27                                                                                | 7:33 |  |
| 18   | Sun | 5:12  | 6.4 | 5:53  | 6.6 | 12:08 | 1.2  | 12:31 | 0.3  | 4:27                                                                                | 7:33 |  |
| 19   | Mon | 6:08  | 6.1 | 6:47  | 6.7 | 1:10  | 1.2  | 1:23  | 0.4  | 4:27                                                                                | 7:33 |  |
| 20   | Tue | 7:05  | 5.8 | 7:40  | 6.8 | 2:07  | 1.0  | 2:12  | 0.5  | 4:27                                                                                | 7:34 |  |
| 21   | Wed | 8:02  | 5.7 | 8:28  | 6.9 | 2:58  | 0.9  | 2:57  | 0.7  | 4:27                                                                                | 7:34 |  |
| 22   | Thu | 8:52  | 5.7 | 9:11  | 7.0 | 3:46  | 0.7  | 3:40  | 0.8  | 4:28                                                                                | 7:34 |  |
| 23   | Fri | 9:38  | 5.7 | 9:50  | 7.1 | 4:32  | 0.6  | 4:23  | 0.9  | 4:28                                                                                | 7:34 |  |
| 24   | Sat | 10:21 | 5.7 | 10:28 | 7.1 | 5:17  | 0.4  | 5:05  | 1.0  | 4:28                                                                                | 7:34 |  |
| 25   | Sun | 11:03 | 5.7 | 11:04 | 7.0 | 6:01  | 0.4  | 5:48  | 1.1  | 4:28                                                                                | 7:34 |  |
| 26   | Mon | 11:46 | 5.6 | 11:40 | 6.8 | 6:42  | 0.4  | 6:28  | 1.2  | 4:29                                                                                | 7:34 |  |
| 27   | Tue |       |     | 12:30 | 5.6 | 7:20  | 0.4  | 7:07  | 1.3  | 4:29                                                                                | 7:35 |  |
| 28   | Wed | 12:16 | 6.6 | 1:16  | 5.5 | 7:58  | 0.5  | 7:44  | 1.5  | 4:30                                                                                | 7:35 |  |
| 29   | Thu | 12:52 | 6.4 | 2:02  | 5.5 | 8:33  | 0.7  | 8:19  | 1.7  | 4:30                                                                                | 7:35 |  |
| 30   | Fri | 1:30  | 6.3 | 2:46  | 5.5 | 9:09  | 0.9  | 8:57  | 1.9  | 4:30                                                                                | 7:34 |  |