

## Hell Gate, Wards Island, NY - Jul 1887

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 7:16  | 6.2 | 7:54  | 7.5 | 2:18  | 0.3  | 2:32  | -0.1 | 4:27                                                                                | 7:30 |    |
| 2    | Sat | 8:19  | 6.3 | 8:49  | 7.7 | 3:14  | 0.0  | 3:24  | -0.1 | 4:28                                                                                | 7:30 |    |
| 3    | Sun | 9:15  | 6.4 | 9:38  | 7.9 | 4:08  | -0.3 | 4:16  | -0.1 | 4:28                                                                                | 7:30 |    |
| 4    | Mon | 10:07 | 6.4 | 10:25 | 7.8 | 4:59  | -0.4 | 5:07  | 0.0  | 4:29                                                                                | 7:30 |    |
| 5    | Tue | 10:56 | 6.4 | 11:11 | 7.7 | 5:49  | -0.5 | 5:56  | 0.2  | 4:29                                                                                | 7:30 |    |
| 6    | Wed | 11:44 | 6.4 | 11:57 | 7.5 | 6:36  | -0.5 | 6:43  | 0.4  | 4:30                                                                                | 7:29 |    |
| 7    | Thu |       |     | 12:34 | 6.3 | 7:20  | -0.4 | 7:27  | 0.7  | 4:30                                                                                | 7:29 |    |
| 8    | Fri | 12:43 | 7.2 | 1:24  | 6.1 | 8:02  | -0.1 | 8:10  | 1.0  | 4:31                                                                                | 7:29 |    |
| 9    | Sat | 1:31  | 6.8 | 2:13  | 6.0 | 8:42  | 0.2  | 8:53  | 1.4  | 4:32                                                                                | 7:28 |    |
| 10   | Sun | 2:20  | 6.5 | 3:02  | 6.0 | 9:23  | 0.6  | 9:39  | 1.8  | 4:32                                                                                | 7:28 |    |
| 11   | Mon | 3:07  | 6.1 | 3:47  | 5.9 | 10:06 | 1.0  | 10:33 | 2.1  | 4:33                                                                                | 7:28 |    |
| 12   | Tue | 3:53  | 5.8 | 4:30  | 5.9 | 10:52 | 1.3  | 11:34 | 2.3  | 4:34                                                                                | 7:27 |   |
| 13   | Wed | 4:37  | 5.6 | 5:12  | 6.0 | 11:42 | 1.4  |       |      | 4:35                                                                                | 7:27 |  |
| 14   | Thu | 5:23  | 5.4 | 5:56  | 6.1 | 12:33 | 2.2  | 12:33 | 1.5  | 4:35                                                                                | 7:26 |  |
| 15   | Fri | 6:15  | 5.3 | 6:45  | 6.2 | 1:29  | 2.0  | 1:23  | 1.4  | 4:36                                                                                | 7:26 |  |
| 16   | Sat | 7:14  | 5.3 | 7:36  | 6.5 | 2:20  | 1.7  | 2:11  | 1.3  | 4:37                                                                                | 7:25 |  |
| 17   | Sun | 8:10  | 5.5 | 8:23  | 6.8 | 3:09  | 1.2  | 2:58  | 1.1  | 4:38                                                                                | 7:24 |  |
| 18   | Mon | 8:59  | 5.7 | 9:07  | 7.2 | 3:56  | 0.8  | 3:46  | 0.8  | 4:39                                                                                | 7:24 |  |
| 19   | Tue | 9:44  | 6.0 | 9:48  | 7.6 | 4:44  | 0.3  | 4:35  | 0.5  | 4:39                                                                                | 7:23 |  |
| 20   | Wed | 10:28 | 6.3 | 10:31 | 7.8 | 5:31  | -0.1 | 5:24  | 0.3  | 4:40                                                                                | 7:22 |  |
| 21   | Thu | 11:13 | 6.5 | 11:16 | 7.9 | 6:17  | -0.5 | 6:14  | 0.0  | 4:41                                                                                | 7:22 |  |
| 22   | Fri |       |     | 12:01 | 6.7 | 7:02  | -0.7 | 7:04  | -0.1 | 4:42                                                                                | 7:21 |  |
| 23   | Sat | 12:05 | 7.8 | 12:54 | 6.8 | 7:47  | -0.8 | 7:53  | -0.1 | 4:43                                                                                | 7:20 |  |
| 24   | Sun | 12:59 | 7.6 | 1:51  | 7.0 | 8:32  | -0.7 | 8:45  | 0.1  | 4:44                                                                                | 7:19 |  |
| 25   | Mon | 1:58  | 7.3 | 2:48  | 7.1 | 9:21  | -0.5 | 9:42  | 0.4  | 4:45                                                                                | 7:18 |  |
| 26   | Tue | 2:58  | 7.0 | 3:45  | 7.2 | 10:15 | -0.2 | 10:48 | 0.7  | 4:46                                                                                | 7:17 |  |
| 27   | Wed | 3:56  | 6.7 | 4:40  | 7.3 | 11:15 | 0.1  | 11:56 | 0.8  | 4:47                                                                                | 7:16 |  |
| 28   | Thu | 4:54  | 6.4 | 5:36  | 7.3 |       |      | 12:17 | 0.3  | 4:47                                                                                | 7:15 |  |
| 29   | Fri | 5:55  | 6.1 | 6:35  | 7.3 | 1:01  | 0.8  | 1:16  | 0.4  | 4:48                                                                                | 7:14 |  |
| 30   | Sat | 7:01  | 6.0 | 7:37  | 7.3 | 2:02  | 0.6  | 2:13  | 0.4  | 4:49                                                                                | 7:13 |  |
| 31   | Sun | 8:05  | 6.1 | 8:33  | 7.4 | 2:58  | 0.4  | 3:07  | 0.4  | 4:50                                                                                | 7:12 |  |