

## Hell Gate, Wards Island, NY - Jan 1889

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 10:16 | 7.8 | 10:45 | 6.3 | 4:58  | -1.4 | 5:45  | -1.7 | 7:20                                                                                | 4:39 |    |
| 2    | Wed | 11:08 | 7.8 | 11:40 | 6.3 | 5:52  | -1.4 | 6:36  | -1.9 | 7:20                                                                                | 4:40 |    |
| 3    | Thu |       |     | 12:00 | 7.6 | 6:44  | -1.3 | 7:25  | -1.8 | 7:20                                                                                | 4:41 |    |
| 4    | Fri | 12:35 | 6.2 | 12:54 | 7.2 | 7:34  | -1.1 | 8:13  | -1.6 | 7:20                                                                                | 4:41 |    |
| 5    | Sat | 1:32  | 6.0 | 1:50  | 6.8 | 8:24  | -0.6 | 9:01  | -1.2 | 7:20                                                                                | 4:42 |    |
| 6    | Sun | 2:29  | 5.8 | 2:45  | 6.4 | 9:16  | -0.1 | 9:51  | -0.7 | 7:20                                                                                | 4:43 |    |
| 7    | Mon | 3:24  | 5.7 | 3:37  | 5.9 | 10:13 | 0.5  | 10:44 | -0.2 | 7:20                                                                                | 4:44 |    |
| 8    | Tue | 4:14  | 5.6 | 4:28  | 5.5 | 11:15 | 0.9  | 11:39 | 0.2  | 7:19                                                                                | 4:45 |    |
| 9    | Wed | 5:03  | 5.5 | 5:18  | 5.1 |       |      | 12:18 | 1.0  | 7:19                                                                                | 4:46 |    |
| 10   | Thu | 5:53  | 5.4 | 6:12  | 4.9 | 12:32 | 0.4  | 1:17  | 1.0  | 7:19                                                                                | 4:47 |    |
| 11   | Fri | 6:46  | 5.5 | 7:09  | 4.7 | 1:23  | 0.6  | 2:10  | 0.8  | 7:19                                                                                | 4:48 |    |
| 12   | Sat | 7:40  | 5.6 | 8:05  | 4.8 | 2:10  | 0.5  | 3:00  | 0.6  | 7:18                                                                                | 4:50 |   |
| 13   | Sun | 8:29  | 5.8 | 8:55  | 4.9 | 2:55  | 0.4  | 3:46  | 0.3  | 7:18                                                                                | 4:51 |  |
| 14   | Mon | 9:12  | 6.1 | 9:39  | 5.1 | 3:38  | 0.3  | 4:30  | 0.0  | 7:18                                                                                | 4:52 |  |
| 15   | Tue | 9:51  | 6.2 | 10:20 | 5.2 | 4:22  | 0.1  | 5:13  | -0.2 | 7:17                                                                                | 4:53 |  |
| 16   | Wed | 10:26 | 6.4 | 10:58 | 5.3 | 5:05  | 0.0  | 5:55  | -0.5 | 7:17                                                                                | 4:54 |  |
| 17   | Thu | 10:59 | 6.4 | 11:36 | 5.3 | 5:47  | -0.1 | 6:35  | -0.6 | 7:16                                                                                | 4:55 |  |
| 18   | Fri | 11:32 | 6.4 |       |     | 6:27  | -0.2 | 7:13  | -0.7 | 7:16                                                                                | 4:56 |  |
| 19   | Sat | 12:13 | 5.3 | 12:05 | 6.4 | 7:05  | -0.2 | 7:49  | -0.7 | 7:15                                                                                | 4:57 |  |
| 20   | Sun | 12:51 | 5.3 | 12:42 | 6.3 | 7:43  | -0.2 | 8:24  | -0.6 | 7:15                                                                                | 4:59 |  |
| 21   | Mon | 1:32  | 5.4 | 1:26  | 6.1 | 8:22  | -0.1 | 9:01  | -0.5 | 7:14                                                                                | 5:00 |  |
| 22   | Tue | 2:18  | 5.5 | 2:17  | 5.9 | 9:06  | 0.1  | 9:43  | -0.3 | 7:13                                                                                | 5:01 |  |
| 23   | Wed | 3:09  | 5.7 | 3:13  | 5.7 | 10:04 | 0.3  | 10:37 | -0.1 | 7:13                                                                                | 5:02 |  |
| 24   | Thu | 4:02  | 5.9 | 4:11  | 5.4 | 11:18 | 0.5  | 11:42 | -0.1 | 7:12                                                                                | 5:03 |  |
| 25   | Fri | 4:58  | 6.0 | 5:14  | 5.3 |       |      | 12:34 | 0.4  | 7:11                                                                                | 5:05 |  |
| 26   | Sat | 6:00  | 6.2 | 6:25  | 5.2 | 12:49 | -0.1 | 1:42  | 0.0  | 7:10                                                                                | 5:06 |  |
| 27   | Sun | 7:10  | 6.5 | 7:40  | 5.3 | 1:53  | -0.4 | 2:44  | -0.4 | 7:10                                                                                | 5:07 |  |
| 28   | Mon | 8:16  | 6.8 | 8:46  | 5.6 | 2:53  | -0.7 | 3:41  | -0.9 | 7:09                                                                                | 5:08 |  |
| 29   | Tue | 9:14  | 7.1 | 9:42  | 5.9 | 3:50  | -1.0 | 4:36  | -1.3 | 7:08                                                                                | 5:10 |  |
| 30   | Wed | 10:06 | 7.4 | 10:35 | 6.2 | 4:45  | -1.2 | 5:28  | -1.7 | 7:07                                                                                | 5:11 |  |
| 31   | Thu | 10:56 | 7.4 | 11:25 | 6.3 | 5:39  | -1.4 | 6:18  | -1.9 | 7:06                                                                                | 5:12 |  |