

## Hell Gate, Wards Island, NY - Dec 1815

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Fri | 11:02 | 7.6 | 11:28 | 6.1 | 5:46  | -0.5 | 6:25  | -0.8 | 7:04                                                                                | 4:33 |    |
| 2    | Sat | 11:45 | 7.3 |       |     | 6:30  | -0.2 | 7:10  | -0.6 | 7:05                                                                                | 4:33 |    |
| 3    | Sun | 12:15 | 5.9 | 12:29 | 7.0 | 7:12  | 0.2  | 7:53  | -0.3 | 7:06                                                                                | 4:32 |    |
| 4    | Mon | 1:05  | 5.6 | 1:16  | 6.6 | 7:53  | 0.6  | 8:35  | 0.1  | 7:07                                                                                | 4:32 |    |
| 5    | Tue | 1:57  | 5.3 | 2:06  | 6.2 | 8:33  | 1.1  | 9:19  | 0.5  | 7:08                                                                                | 4:32 |    |
| 6    | Wed | 2:51  | 5.1 | 2:57  | 5.9 | 9:16  | 1.5  | 10:08 | 0.9  | 7:09                                                                                | 4:32 |    |
| 7    | Thu | 3:42  | 5.0 | 3:47  | 5.6 | 10:10 | 1.9  | 11:01 | 1.1  | 7:10                                                                                | 4:32 |    |
| 8    | Fri | 4:30  | 5.0 | 4:34  | 5.4 | 11:16 | 2.1  | 11:56 | 1.1  | 7:11                                                                                | 4:32 |    |
| 9    | Sat | 5:17  | 5.1 | 5:22  | 5.2 |       |      | 12:22 | 2.0  | 7:12                                                                                | 4:32 |    |
| 10   | Sun | 6:05  | 5.2 | 6:14  | 5.2 | 12:47 | 1.0  | 1:20  | 1.8  | 7:12                                                                                | 4:32 |    |
| 11   | Mon | 6:55  | 5.5 | 7:10  | 5.2 | 1:34  | 0.8  | 2:12  | 1.4  | 7:13                                                                                | 4:32 |    |
| 12   | Tue | 7:43  | 5.8 | 8:02  | 5.3 | 2:18  | 0.6  | 3:00  | 0.9  | 7:14                                                                                | 4:32 |   |
| 13   | Wed | 8:26  | 6.2 | 8:49  | 5.5 | 3:00  | 0.3  | 3:46  | 0.4  | 7:15                                                                                | 4:32 |  |
| 14   | Thu | 9:05  | 6.7 | 9:32  | 5.7 | 3:43  | 0.0  | 4:33  | -0.1 | 7:16                                                                                | 4:32 |  |
| 15   | Fri | 9:42  | 7.1 | 10:14 | 5.8 | 4:26  | -0.2 | 5:20  | -0.5 | 7:16                                                                                | 4:33 |  |
| 16   | Sat | 10:21 | 7.3 | 10:57 | 5.9 | 5:12  | -0.4 | 6:07  | -0.8 | 7:17                                                                                | 4:33 |  |
| 17   | Sun | 11:03 | 7.5 | 11:44 | 5.9 | 5:59  | -0.6 | 6:54  | -1.0 | 7:18                                                                                | 4:33 |  |
| 18   | Mon | 11:51 | 7.4 |       |     | 6:47  | -0.6 | 7:41  | -1.1 | 7:18                                                                                | 4:33 |  |
| 19   | Tue | 12:38 | 5.8 | 12:44 | 7.2 | 7:35  | -0.6 | 8:28  | -1.0 | 7:19                                                                                | 4:34 |  |
| 20   | Wed | 1:37  | 5.8 | 1:45  | 7.0 | 8:26  | -0.4 | 9:20  | -0.8 | 7:20                                                                                | 4:34 |  |
| 21   | Thu | 2:40  | 5.9 | 2:49  | 6.7 | 9:23  | -0.1 | 10:17 | -0.6 | 7:20                                                                                | 4:35 |  |
| 22   | Fri | 3:41  | 6.0 | 3:50  | 6.4 | 10:31 | 0.3  | 11:19 | -0.4 | 7:21                                                                                | 4:35 |  |
| 23   | Sat | 4:38  | 6.1 | 4:50  | 6.1 | 11:43 | 0.4  |       |      | 7:21                                                                                | 4:36 |  |
| 24   | Sun | 5:36  | 6.2 | 5:50  | 5.8 | 12:20 | -0.4 | 12:51 | 0.3  | 7:22                                                                                | 4:36 |  |
| 25   | Mon | 6:36  | 6.4 | 6:54  | 5.6 | 1:18  | -0.5 | 1:53  | 0.1  | 7:22                                                                                | 4:37 |  |
| 26   | Tue | 7:35  | 6.6 | 7:56  | 5.6 | 2:12  | -0.6 | 2:50  | -0.2 | 7:22                                                                                | 4:38 |  |
| 27   | Wed | 8:29  | 6.8 | 8:52  | 5.6 | 3:03  | -0.6 | 3:42  | -0.4 | 7:23                                                                                | 4:38 |  |
| 28   | Thu | 9:17  | 7.0 | 9:41  | 5.7 | 3:51  | -0.6 | 4:32  | -0.7 | 7:23                                                                                | 4:39 |  |
| 29   | Fri | 10:01 | 7.1 | 10:26 | 5.7 | 4:38  | -0.5 | 5:20  | -0.8 | 7:23                                                                                | 4:40 |  |
| 30   | Sat | 10:43 | 7.0 | 11:11 | 5.6 | 5:25  | -0.4 | 6:06  | -0.8 | 7:23                                                                                | 4:40 |  |
| 31   | Sun | 11:25 | 6.9 | 11:54 | 5.4 | 6:09  | -0.2 | 6:49  | -0.8 | 7:24                                                                                | 4:41 |  |