

## Hell Gate, Wards Island, NY - Dec 1842

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 9:56  | 7.8 | 10:21 | 6.3 | 4:34  | -0.7 | 5:18  | -0.9 | 7:04                                                                                | 4:33 |    |
| 2    | Fri | 10:42 | 7.7 | 11:10 | 6.2 | 5:24  | -0.6 | 6:08  | -0.9 | 7:05                                                                                | 4:32 |    |
| 3    | Sat | 11:28 | 7.5 |       |     | 6:13  | -0.4 | 6:55  | -0.8 | 7:06                                                                                | 4:32 |    |
| 4    | Sun | 12:00 | 6.0 | 12:16 | 7.2 | 6:59  | -0.1 | 7:40  | -0.6 | 7:07                                                                                | 4:32 |    |
| 5    | Mon | 12:52 | 5.8 | 1:05  | 6.8 | 7:43  | 0.3  | 8:24  | -0.2 | 7:08                                                                                | 4:32 |    |
| 6    | Tue | 1:45  | 5.5 | 1:56  | 6.4 | 8:27  | 0.8  | 9:08  | 0.2  | 7:09                                                                                | 4:32 |    |
| 7    | Wed | 2:38  | 5.4 | 2:48  | 6.0 | 9:13  | 1.2  | 9:54  | 0.6  | 7:10                                                                                | 4:32 |    |
| 8    | Thu | 3:29  | 5.3 | 3:37  | 5.7 | 10:06 | 1.6  | 10:43 | 0.9  | 7:11                                                                                | 4:32 |    |
| 9    | Fri | 4:16  | 5.3 | 4:24  | 5.4 | 11:08 | 1.9  | 11:35 | 1.1  | 7:12                                                                                | 4:32 |    |
| 10   | Sat | 5:02  | 5.3 | 5:12  | 5.1 |       |      | 12:12 | 1.9  | 7:13                                                                                | 4:32 |    |
| 11   | Sun | 5:48  | 5.4 | 6:03  | 4.9 | 12:26 | 1.1  | 1:10  | 1.7  | 7:14                                                                                | 4:32 |    |
| 12   | Mon | 6:38  | 5.6 | 6:59  | 4.8 | 1:14  | 1.1  | 2:03  | 1.4  | 7:14                                                                                | 4:32 |   |
| 13   | Tue | 7:28  | 5.8 | 7:55  | 4.9 | 2:00  | 0.9  | 2:52  | 1.1  | 7:15                                                                                | 4:32 |  |
| 14   | Wed | 8:15  | 6.1 | 8:44  | 5.0 | 2:44  | 0.7  | 3:38  | 0.6  | 7:16                                                                                | 4:32 |  |
| 15   | Thu | 8:56  | 6.4 | 9:28  | 5.2 | 3:28  | 0.5  | 4:24  | 0.2  | 7:17                                                                                | 4:33 |  |
| 16   | Fri | 9:34  | 6.7 | 10:09 | 5.4 | 4:12  | 0.3  | 5:10  | -0.1 | 7:17                                                                                | 4:33 |  |
| 17   | Sat | 10:11 | 7.0 | 10:49 | 5.5 | 4:57  | 0.1  | 5:56  | -0.5 | 7:18                                                                                | 4:33 |  |
| 18   | Sun | 10:51 | 7.1 | 11:32 | 5.6 | 5:44  | -0.1 | 6:40  | -0.7 | 7:19                                                                                | 4:34 |  |
| 19   | Mon | 11:33 | 7.1 |       |     | 6:30  | -0.3 | 7:23  | -0.9 | 7:19                                                                                | 4:34 |  |
| 20   | Tue | 12:19 | 5.7 | 12:21 | 7.0 | 7:16  | -0.4 | 8:06  | -0.9 | 7:20                                                                                | 4:34 |  |
| 21   | Wed | 1:11  | 5.8 | 1:14  | 6.8 | 8:03  | -0.3 | 8:51  | -0.8 | 7:20                                                                                | 4:35 |  |
| 22   | Thu | 2:08  | 5.9 | 2:12  | 6.6 | 8:55  | -0.1 | 9:40  | -0.6 | 7:21                                                                                | 4:35 |  |
| 23   | Fri | 3:06  | 6.1 | 3:12  | 6.2 | 9:55  | 0.2  | 10:36 | -0.5 | 7:21                                                                                | 4:36 |  |
| 24   | Sat | 4:02  | 6.2 | 4:10  | 5.9 | 11:05 | 0.4  | 11:37 | -0.3 | 7:22                                                                                | 4:37 |  |
| 25   | Sun | 4:57  | 6.4 | 5:09  | 5.6 |       |      | 12:16 | 0.4  | 7:22                                                                                | 4:37 |  |
| 26   | Mon | 5:55  | 6.5 | 6:13  | 5.4 | 12:38 | -0.3 | 1:22  | 0.2  | 7:22                                                                                | 4:38 |  |
| 27   | Tue | 6:57  | 6.6 | 7:21  | 5.3 | 1:36  | -0.3 | 2:23  | -0.1 | 7:23                                                                                | 4:38 |  |
| 28   | Wed | 7:58  | 6.8 | 8:25  | 5.4 | 2:32  | -0.4 | 3:19  | -0.4 | 7:23                                                                                | 4:39 |  |
| 29   | Thu | 8:53  | 7.0 | 9:20  | 5.6 | 3:25  | -0.5 | 4:12  | -0.6 | 7:23                                                                                | 4:40 |  |
| 30   | Fri | 9:42  | 7.1 | 10:10 | 5.7 | 4:17  | -0.5 | 5:02  | -0.8 | 7:23                                                                                | 4:41 |  |
| 31   | Sat | 10:28 | 7.1 | 10:57 | 5.8 | 5:07  | -0.5 | 5:50  | -1.0 | 7:24                                                                                | 4:41 |  |