

## Hell Gate, Wards Island, NY - Oct 1850

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue | 6:52  | 6.4 | 7:13  | 7.3 | 1:53  | 0.7  | 2:01  | 0.8  | 5:56                                                                                | 5:42 |    |
| 2    | Wed | 7:57  | 6.9 | 8:17  | 7.5 | 2:48  | 0.1  | 3:00  | 0.3  | 5:57                                                                                | 5:40 |    |
| 3    | Thu | 8:53  | 7.4 | 9:12  | 7.8 | 3:40  | -0.3 | 3:56  | -0.2 | 5:58                                                                                | 5:39 |    |
| 4    | Fri | 9:44  | 7.8 | 10:01 | 7.9 | 4:30  | -0.7 | 4:49  | -0.5 | 5:59                                                                                | 5:37 |    |
| 5    | Sat | 10:31 | 8.1 | 10:49 | 7.8 | 5:18  | -0.9 | 5:41  | -0.6 | 6:00                                                                                | 5:36 |    |
| 6    | Sun | 11:17 | 8.1 | 11:36 | 7.6 | 6:05  | -0.9 | 6:30  | -0.6 | 6:01                                                                                | 5:34 |    |
| 7    | Mon |       |     | 12:04 | 8.0 | 6:51  | -0.7 | 7:18  | -0.4 | 6:02                                                                                | 5:32 |    |
| 8    | Tue | 12:25 | 7.2 | 12:52 | 7.7 | 7:34  | -0.2 | 8:04  | 0.0  | 6:03                                                                                | 5:31 |    |
| 9    | Wed | 1:17  | 6.7 | 1:42  | 7.3 | 8:16  | 0.4  | 8:51  | 0.5  | 6:04                                                                                | 5:29 |    |
| 10   | Thu | 2:11  | 6.3 | 2:34  | 6.9 | 9:00  | 1.1  | 9:41  | 1.1  | 6:05                                                                                | 5:27 |    |
| 11   | Fri | 3:07  | 5.9 | 3:27  | 6.6 | 9:48  | 1.7  | 10:38 | 1.6  | 6:06                                                                                | 5:26 |    |
| 12   | Sat | 4:01  | 5.6 | 4:18  | 6.3 | 10:46 | 2.2  | 11:40 | 1.8  | 6:07                                                                                | 5:24 |   |
| 13   | Sun | 4:54  | 5.5 | 5:10  | 6.2 | 11:51 | 2.4  |       |      | 6:08                                                                                | 5:23 |  |
| 14   | Mon | 5:48  | 5.4 | 6:04  | 6.1 | 12:39 | 1.8  | 12:52 | 2.4  | 6:09                                                                                | 5:21 |  |
| 15   | Tue | 6:44  | 5.5 | 7:01  | 6.1 | 1:32  | 1.7  | 1:47  | 2.2  | 6:10                                                                                | 5:20 |  |
| 16   | Wed | 7:39  | 5.8 | 7:54  | 6.3 | 2:19  | 1.4  | 2:36  | 1.8  | 6:11                                                                                | 5:18 |  |
| 17   | Thu | 8:26  | 6.2 | 8:40  | 6.5 | 3:02  | 1.1  | 3:21  | 1.4  | 6:13                                                                                | 5:17 |  |
| 18   | Fri | 9:06  | 6.5 | 9:20  | 6.7 | 3:42  | 0.7  | 4:05  | 1.1  | 6:14                                                                                | 5:15 |  |
| 19   | Sat | 9:41  | 6.9 | 9:56  | 6.8 | 4:22  | 0.5  | 4:48  | 0.7  | 6:15                                                                                | 5:14 |  |
| 20   | Sun | 10:13 | 7.1 | 10:31 | 6.8 | 5:01  | 0.2  | 5:31  | 0.4  | 6:16                                                                                | 5:12 |  |
| 21   | Mon | 10:44 | 7.3 | 11:06 | 6.8 | 5:40  | 0.1  | 6:14  | 0.2  | 6:17                                                                                | 5:11 |  |
| 22   | Tue | 11:15 | 7.5 | 11:44 | 6.6 | 6:18  | 0.1  | 6:56  | 0.1  | 6:18                                                                                | 5:09 |  |
| 23   | Wed | 11:51 | 7.5 |       |     | 6:56  | 0.1  | 7:38  | 0.1  | 6:19                                                                                | 5:08 |  |
| 24   | Thu | 12:27 | 6.4 | 12:35 | 7.4 | 7:35  | 0.3  | 8:23  | 0.3  | 6:20                                                                                | 5:07 |  |
| 25   | Fri | 1:19  | 6.2 | 1:27  | 7.3 | 8:17  | 0.5  | 9:14  | 0.6  | 6:22                                                                                | 5:05 |  |
| 26   | Sat | 2:22  | 6.0 | 2:30  | 7.1 | 9:06  | 0.8  | 10:16 | 0.8  | 6:23                                                                                | 5:04 |  |
| 27   | Sun | 3:28  | 6.0 | 3:38  | 7.0 | 10:12 | 1.1  | 11:25 | 0.8  | 6:24                                                                                | 5:02 |  |
| 28   | Mon | 4:31  | 6.0 | 4:44  | 6.8 | 11:31 | 1.2  |       |      | 6:25                                                                                | 5:01 |  |
| 29   | Tue | 5:34  | 6.2 | 5:50  | 6.8 | 12:32 | 0.7  | 12:45 | 1.1  | 6:26                                                                                | 5:00 |  |
| 30   | Wed | 6:39  | 6.5 | 6:58  | 6.8 | 1:32  | 0.3  | 1:50  | 0.7  | 6:27                                                                                | 4:59 |  |
| 31   | Thu | 7:42  | 7.0 | 8:01  | 7.0 | 2:27  | -0.1 | 2:48  | 0.2  | 6:29                                                                                | 4:57 |  |