

## Hell Gate, Wards Island, NY - Aug 1881

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 2:04  | 5.9 | 2:58  | 6.3 | 9:15  | 1.1  | 9:54  | 1.8  | 4:56                                                                                | 7:15 |    |
| 2    | Tue | 2:52  | 5.7 | 3:41  | 6.5 | 9:53  | 1.2  | 11:01 | 1.9  | 4:57                                                                                | 7:14 |    |
| 3    | Wed | 3:46  | 5.6 | 4:30  | 6.7 | 10:49 | 1.4  |       |      | 4:58                                                                                | 7:13 |    |
| 4    | Thu | 4:45  | 5.5 | 5:27  | 6.9 | 12:17 | 1.8  | 12:05 | 1.4  | 4:59                                                                                | 7:11 |    |
| 5    | Fri | 5:52  | 5.5 | 6:34  | 7.1 | 1:25  | 1.4  | 1:19  | 1.2  | 5:00                                                                                | 7:10 |    |
| 6    | Sat | 7:09  | 5.7 | 7:44  | 7.5 | 2:25  | 0.9  | 2:24  | 0.7  | 5:01                                                                                | 7:09 |    |
| 7    | Sun | 8:19  | 6.2 | 8:45  | 7.9 | 3:20  | 0.3  | 3:24  | 0.3  | 5:01                                                                                | 7:08 |    |
| 8    | Mon | 9:17  | 6.7 | 9:40  | 8.2 | 4:14  | -0.3 | 4:22  | -0.2 | 5:02                                                                                | 7:07 |    |
| 9    | Tue | 10:11 | 7.2 | 10:31 | 8.4 | 5:06  | -0.8 | 5:19  | -0.5 | 5:03                                                                                | 7:05 |    |
| 10   | Wed | 11:03 | 7.5 | 11:23 | 8.3 | 5:56  | -1.2 | 6:13  | -0.7 | 5:04                                                                                | 7:04 |    |
| 11   | Thu | 11:55 | 7.7 |       |     | 6:45  | -1.4 | 7:06  | -0.7 | 5:05                                                                                | 7:03 |    |
| 12   | Fri | 12:15 | 8.0 | 12:49 | 7.7 | 7:31  | -1.3 | 7:57  | -0.4 | 5:06                                                                                | 7:01 |   |
| 13   | Sat | 1:09  | 7.6 | 1:44  | 7.6 | 8:17  | -0.9 | 8:48  | 0.0  | 5:07                                                                                | 7:00 |  |
| 14   | Sun | 2:05  | 7.2 | 2:40  | 7.4 | 9:04  | -0.4 | 9:44  | 0.6  | 5:08                                                                                | 6:59 |  |
| 15   | Mon | 3:02  | 6.7 | 3:33  | 7.1 | 9:55  | 0.3  | 10:45 | 1.1  | 5:09                                                                                | 6:57 |  |
| 16   | Tue | 3:57  | 6.2 | 4:26  | 6.9 | 10:51 | 1.0  | 11:49 | 1.5  | 5:10                                                                                | 6:56 |  |
| 17   | Wed | 4:51  | 5.9 | 5:18  | 6.6 | 11:51 | 1.4  |       |      | 5:11                                                                                | 6:55 |  |
| 18   | Thu | 5:47  | 5.6 | 6:13  | 6.5 | 12:52 | 1.6  | 12:50 | 1.7  | 5:12                                                                                | 6:53 |  |
| 19   | Fri | 6:46  | 5.5 | 7:12  | 6.4 | 1:49  | 1.5  | 1:45  | 1.7  | 5:13                                                                                | 6:52 |  |
| 20   | Sat | 7:46  | 5.6 | 8:07  | 6.6 | 2:40  | 1.4  | 2:36  | 1.6  | 5:14                                                                                | 6:50 |  |
| 21   | Sun | 8:38  | 5.8 | 8:55  | 6.7 | 3:26  | 1.2  | 3:23  | 1.5  | 5:15                                                                                | 6:49 |  |
| 22   | Mon | 9:23  | 6.1 | 9:35  | 6.9 | 4:09  | 0.9  | 4:08  | 1.3  | 5:16                                                                                | 6:47 |  |
| 23   | Tue | 10:03 | 6.4 | 10:12 | 7.0 | 4:50  | 0.7  | 4:52  | 1.1  | 5:17                                                                                | 6:46 |  |
| 24   | Wed | 10:41 | 6.6 | 10:47 | 6.9 | 5:29  | 0.5  | 5:34  | 1.0  | 5:18                                                                                | 6:44 |  |
| 25   | Thu | 11:17 | 6.7 | 11:18 | 6.8 | 6:07  | 0.4  | 6:15  | 0.9  | 5:19                                                                                | 6:43 |  |
| 26   | Fri | 11:50 | 6.7 | 11:48 | 6.7 | 6:42  | 0.4  | 6:53  | 0.9  | 5:20                                                                                | 6:41 |  |
| 27   | Sat |       |     | 12:22 | 6.7 | 7:14  | 0.5  | 7:30  | 1.0  | 5:21                                                                                | 6:40 |  |
| 28   | Sun | 12:17 | 6.5 | 12:53 | 6.7 | 7:44  | 0.7  | 8:06  | 1.1  | 5:22                                                                                | 6:38 |  |
| 29   | Mon | 12:51 | 6.2 | 1:28  | 6.7 | 8:12  | 0.9  | 8:44  | 1.3  | 5:23                                                                                | 6:36 |  |
| 30   | Tue | 1:34  | 6.0 | 2:13  | 6.8 | 8:43  | 1.1  | 9:31  | 1.6  | 5:24                                                                                | 6:35 |  |
| 31   | Wed | 2:27  | 5.8 | 3:06  | 6.8 | 9:22  | 1.3  | 10:36 | 1.7  | 5:25                                                                                | 6:33 |  |