

## Hell Gate, Wards Island, NY - Aug 1864

| Date |     | High  |     |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Mon | 10:09 | 6.3 | 10:21 | 7.1 | 5:00  | 0.3  | 4:59  | 0.8  | 4:56                                                                                | 7:15 |    |
| 2    | Tue | 10:51 | 6.4 | 10:59 | 7.1 | 5:43  | 0.2  | 5:43  | 0.8  | 4:57                                                                                | 7:14 |    |
| 3    | Wed | 11:32 | 6.4 | 11:36 | 6.9 | 6:22  | 0.2  | 6:25  | 0.8  | 4:58                                                                                | 7:12 |    |
| 4    | Thu |       |     | 12:12 | 6.4 | 7:00  | 0.2  | 7:05  | 0.9  | 4:59                                                                                | 7:11 |    |
| 5    | Fri | 12:12 | 6.7 | 12:52 | 6.4 | 7:34  | 0.4  | 7:42  | 1.1  | 5:00                                                                                | 7:10 |    |
| 6    | Sat | 12:47 | 6.4 | 1:32  | 6.3 | 8:06  | 0.6  | 8:17  | 1.4  | 5:01                                                                                | 7:09 |    |
| 7    | Sun | 1:22  | 6.1 | 2:11  | 6.2 | 8:36  | 0.9  | 8:53  | 1.6  | 5:02                                                                                | 7:08 |    |
| 8    | Mon | 1:58  | 5.9 | 2:49  | 6.2 | 9:04  | 1.2  | 9:34  | 1.9  | 5:03                                                                                | 7:06 |    |
| 9    | Tue | 2:39  | 5.7 | 3:27  | 6.3 | 9:35  | 1.4  | 10:29 | 2.1  | 5:04                                                                                | 7:05 |    |
| 10   | Wed | 3:26  | 5.5 | 4:09  | 6.4 | 10:18 | 1.6  | 11:41 | 2.1  | 5:05                                                                                | 7:04 |    |
| 11   | Thu | 4:17  | 5.4 | 4:57  | 6.5 | 11:25 | 1.7  |       |      | 5:06                                                                                | 7:03 |    |
| 12   | Fri | 5:16  | 5.4 | 5:55  | 6.7 | 12:50 | 1.8  | 12:42 | 1.6  | 5:06                                                                                | 7:01 |   |
| 13   | Sat | 6:25  | 5.5 | 7:02  | 7.1 | 1:51  | 1.4  | 1:49  | 1.2  | 5:07                                                                                | 7:00 |  |
| 14   | Sun | 7:38  | 5.9 | 8:07  | 7.5 | 2:46  | 0.8  | 2:49  | 0.8  | 5:08                                                                                | 6:59 |  |
| 15   | Mon | 8:40  | 6.4 | 9:03  | 7.9 | 3:39  | 0.2  | 3:46  | 0.2  | 5:09                                                                                | 6:57 |  |
| 16   | Tue | 9:33  | 7.0 | 9:54  | 8.2 | 4:30  | -0.4 | 4:41  | -0.3 | 5:10                                                                                | 6:56 |  |
| 17   | Wed | 10:24 | 7.4 | 10:45 | 8.4 | 5:20  | -0.9 | 5:36  | -0.6 | 5:11                                                                                | 6:54 |  |
| 18   | Thu | 11:15 | 7.8 | 11:36 | 8.3 | 6:10  | -1.3 | 6:30  | -0.8 | 5:12                                                                                | 6:53 |  |
| 19   | Fri |       |     | 12:07 | 7.9 | 6:57  | -1.4 | 7:22  | -0.8 | 5:13                                                                                | 6:51 |  |
| 20   | Sat | 12:29 | 8.0 | 1:02  | 7.9 | 7:44  | -1.2 | 8:13  | -0.5 | 5:14                                                                                | 6:50 |  |
| 21   | Sun | 1:26  | 7.6 | 2:00  | 7.7 | 8:32  | -0.9 | 9:07  | 0.0  | 5:15                                                                                | 6:49 |  |
| 22   | Mon | 2:24  | 7.1 | 2:57  | 7.5 | 9:22  | -0.3 | 10:07 | 0.6  | 5:16                                                                                | 6:47 |  |
| 23   | Tue | 3:23  | 6.7 | 3:54  | 7.3 | 10:18 | 0.4  | 11:11 | 1.0  | 5:17                                                                                | 6:46 |  |
| 24   | Wed | 4:20  | 6.3 | 4:49  | 7.0 | 11:19 | 0.9  |       |      | 5:18                                                                                | 6:44 |  |
| 25   | Thu | 5:17  | 6.0 | 5:45  | 6.8 | 12:17 | 1.2  | 12:22 | 1.3  | 5:19                                                                                | 6:42 |  |
| 26   | Fri | 6:16  | 5.8 | 6:44  | 6.6 | 1:18  | 1.3  | 1:21  | 1.5  | 5:20                                                                                | 6:41 |  |
| 27   | Sat | 7:18  | 5.8 | 7:43  | 6.7 | 2:14  | 1.2  | 2:15  | 1.4  | 5:21                                                                                | 6:39 |  |
| 28   | Sun | 8:14  | 6.0 | 8:34  | 6.8 | 3:03  | 1.0  | 3:05  | 1.3  | 5:22                                                                                | 6:38 |  |
| 29   | Mon | 9:02  | 6.2 | 9:18  | 6.9 | 3:48  | 0.8  | 3:51  | 1.2  | 5:23                                                                                | 6:36 |  |
| 30   | Tue | 9:44  | 6.5 | 9:58  | 7.0 | 4:31  | 0.6  | 4:36  | 1.0  | 5:24                                                                                | 6:35 |  |
| 31   | Wed | 10:24 | 6.7 | 10:34 | 7.0 | 5:11  | 0.5  | 5:19  | 0.9  | 5:25                                                                                | 6:33 |  |