

## JULY—Seventh Month.

## Phases of the Moon.

- New Moon, 2nd day, 5h. 16m. morning.
- ☾ First Quarter, 9th day, 3h. 8m. morning.
- Full Moon, 17th day, 5h. 17m. evening.
- ☾ Last Quarter, 23rd day, 10h. 48m. morning.
- New Moon, 31st day, 4h. 54m. evening.

| Day Month. | Day week. | HOLIDAYS,<br>PHENOMENA, &c. | SUN.                |         |         | Equation of<br>time add to<br>App. |
|------------|-----------|-----------------------------|---------------------|---------|---------|------------------------------------|
|            |           |                             | Declin'n.<br>North. | Rises.  | Sets.   |                                    |
| 1          | Tu        | ☾ ☾ ☾. ☾ ☾ ☾                | 23 6 54             | 20 7 40 | 3 32    |                                    |
| 2          | W         |                             | 23 1 42             | 4 21 7  | 39 3 44 |                                    |
| 3          | Th        | ☉ in apogee. <i>Rainy</i>   | 22 56 54            | 4 21 7  | 39 3 55 |                                    |
| 4          | Fri       | American Independence.      | 22 51 42            | 4 21 7  | 39 4 6  |                                    |
| 5          | Sat       | <i>weather.</i>             | 22 46 6             | 4 22 7  | 38 4 16 |                                    |
| 6          | Sun       | 7th Sunday after Trinity.   | 22 40 7             | 4 22 7  | 38 4 27 |                                    |
| 7          | Mo        |                             | 22 33 44            | 4 23 7  | 37 4 36 |                                    |
| 8          | Tu        | <i>Cool,</i>                | 22 26 57            | 4 23 7  | 37 4 46 |                                    |
| 9          | W         | ☾ apogee 3h. morning.       | 22 19 47            | 4 24 7  | 36 4 55 |                                    |
| 10         | Th        | ☾ ☾ ☾ <i>with</i>           | 22 12 15            | 4 25 7  | 35 5 3  |                                    |
| 11         | Fri       | <i>showers.</i>             | 22 4 19             | 4 25 7  | 35 5 11 |                                    |
| 12         | Sat       |                             | 21 56 0             | 4 26 7  | 34 5 19 |                                    |
| 13         | Sun       | 8th Sunday after Trinity.   | 21 47 19            | 4 27 7  | 33 5 26 |                                    |
| 14         | Mo        |                             | 21 38 16            | 4 27 7  | 33 5 33 |                                    |
| 15         | Tu        |                             | 21 28 51            | 4 28 7  | 32 5 39 |                                    |
| 16         | W         |                             | 21 19 4             | 4 29 7  | 31 5 45 |                                    |
| 17         | Th        | <i>Fine</i>                 | 21 8 55             | 4 30 7  | 30 5 50 |                                    |
| 18         | Fri       | ☾ ☾ ☾ <i>weather.</i>       | 20 58 25            | 4 31 7  | 29 5 55 |                                    |
| 19         | Sat       |                             | 20 47 33            | 4 32 7  | 28 5 59 |                                    |
| 20         | Sun       | 9th Sunday after Trinity.   | 20 36 20            | 4 33 7  | 27 6 2  |                                    |
| 21         | Mo        | ☾ perigee 4h. morn.         | 20 24 47            | 4 33 7  | 27 6 5  |                                    |
| 22         | Tu        | ☾ ☾ ☾                       | 20 12 53            | 4 34 7  | 26 6 8  |                                    |
| 23         | W         | <i>Frequent</i>             | 20 0 39             | 4 35 7  | 25 6 10 |                                    |
| 24         | Th        |                             | 19 48 5             | 4 36 7  | 24 6 11 |                                    |
| 25         | Fri       | ☾ in ☾ <i>showers,</i>      | 19 35 10            | 4 37 7  | 23 6 12 |                                    |
| 26         | Sat       | <i>with thunder.</i>        | 19 21 57            | 4 38 7  | 22 6 12 |                                    |
| 27         | Sun       | 10th Sunday after Trinity.  | 19 8 23             | 4 39 7  | 21 6 12 |                                    |
| 28         | Mo        |                             | 18 54 31            | 4 41 7  | 19 6 10 |                                    |
| 29         | Tu        |                             | 18 40 20            | 4 42 7  | 18 6 9  |                                    |
| 30         | W         | ☾ ☾ ☾                       | 18 25 51            | 4 43 7  | 17 6 7  |                                    |
| 31         | Th        |                             | 18 11 3             | 4 44 7  | 16 6 4  |                                    |

The moon is about 29½ days. It turns on its revolution about same side to the moon, is that it times only a second dark; at another

| Day Month. | Day of Year. | Declina |
|------------|--------------|---------|
| 1          | 183          | N 28 5  |
| 2          | 184          | 27 50   |
| 3          | 185          | 26 2    |
| 4          | 186          | 22 54   |
| 5          | 187          | 18 46   |
| 6          | 188          | 13 55   |
| 7          | 189          | 8 38    |
| 8          | 190          | 3 6     |
| 9          | 191          | S 2 29  |
| 10         | 192          | 8 0     |
| 11         | 193          | 13 18   |
| 12         | 194          | 18 10   |
| 13         | 195          | 22 23   |
| 14         | 196          | 25 40   |
| 15         | 197          | 27 42   |
| 16         | 198          | 28 11   |
| 17         | 199          | 26 57   |
| 18         | 200          | 23 59   |
| 19         | 201          | 19 31   |
| 20         | 202          | 13 53   |
| 21         | 203          | 7 29    |
| 22         | 204          | 0 43    |
| 23         | 205          | N 6 14  |
| 24         | 206          | 12 25   |
| 25         | 207          | 18 6    |
| 26         | 208          | 22 46   |
| 27         | 209          | 26 8    |
| 28         | 210          | 27 58   |
| 29         | 211          | 28 9    |
| 30         | 212          | 26 45   |
| 31         | 213          | 23 59   |