

10th Month.

OCTOBER, 1879.

31 Days.

| DAY OF YEAR.      | DAY OF MONTH. | DAY OF WEEK. | CALENDAR<br>For CANADA, Up-<br>per Mich., Wis.,<br>& Minn., Dak.,<br>& Mont. Ter. |             |               | CALENDAR<br>For BOSTON, NEW ENG-<br>land, New York State,<br>Michigan, Wisconsin,<br>Iowa and Oregon. |             |                 | CALENDAR<br>For NEW YORK CITY,<br>Philadelphia, Conn.,<br>N. Jersey, Penn., Ohio<br>Indiana & Illinois. |             |               | CALENDAR<br>For WASHINGTON,<br>Maryl'd., Virg'a,<br>Kentucky, Mis-<br>souri & Calif'a. |             |               | CALENDAR<br>For CHARLESTON, NORTH<br>Carolina, Tennessee,<br>Georgia, Alabama and<br>Mississippi. |             |               | CALENDAR<br>For NEW ORLEANS,<br>Florida, Louisi-<br>ana, Texas and<br>Lower Calif'a. |             |               |                  |             |               |              |             |               |              |             |               |
|-------------------|---------------|--------------|-----------------------------------------------------------------------------------|-------------|---------------|-------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------------------------------------------------------------------------------------------------|-------------|---------------|----------------------------------------------------------------------------------------|-------------|---------------|---------------------------------------------------------------------------------------------------|-------------|---------------|--------------------------------------------------------------------------------------|-------------|---------------|------------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|
|                   |               |              | Sun<br>rises                                                                      | Sun<br>sets | Moon<br>rises | Sun<br>rises                                                                                          | Sun<br>sets | H.W.<br>Bos-ton | Sun<br>rises                                                                                            | Sun<br>sets | Moon<br>rises | Sun<br>rises                                                                           | Sun<br>sets | H.W.<br>N. Y. | Sun<br>rises                                                                                      | Sun<br>sets | Moon<br>rises | Sun<br>rises                                                                         | Sun<br>sets | H.W.<br>MORN. | Sun<br>rises     | Sun<br>sets | Moon<br>rises | Sun<br>rises | Sun<br>sets | H.W.<br>MORN. | Sun<br>rises | Sun<br>sets | Moon<br>rises |
| 274               | 1             | W            | 5 58                                                                              | 5 41        | 6 9           | 5 56                                                                                                  | 5 42        | 6 18            | 5 56                                                                                                    | 5 42        | 6 18          | 5 56                                                                                   | 5 42        | 6 18          | 5 56                                                                                              | 5 42        | 6 18          | 5 56                                                                                 | 5 42        | 6 18          | 5 56             | 5 42        | 6 18          | 5 56         | 5 42        | 6 18          | 5 56         | 5 42        | 6 18          |
| 275               | 2             | Th           | 5 59                                                                              | 5 39        | 6 9           | 5 57                                                                                                  | 5 40        | 6 18            | 5 57                                                                                                    | 5 40        | 6 18          | 5 57                                                                                   | 5 40        | 6 18          | 5 57                                                                                              | 5 40        | 6 18          | 5 57                                                                                 | 5 40        | 6 18          | 5 57             | 5 40        | 6 18          | 5 57         | 5 40        | 6 18          | 5 57         | 5 40        | 6 18          |
| 276               | 3             | Fr           | 6 0                                                                               | 5 37        | 6 39          | 5 58                                                                                                  | 5 38        | 6 50            | 5 58                                                                                                    | 5 38        | 6 50          | 5 58                                                                                   | 5 38        | 6 50          | 5 58                                                                                              | 5 38        | 6 50          | 5 58                                                                                 | 5 38        | 6 50          | 5 58             | 5 38        | 6 50          | 5 58         | 5 38        | 6 50          | 5 58         | 5 38        | 6 50          |
| 277               | 4             | Sa           | 6 2                                                                               | 5 35        | 7 15          | 6 0                                                                                                   | 5 37        | 7 27            | 6 0                                                                                                     | 5 37        | 7 27          | 6 0                                                                                    | 5 37        | 7 27          | 6 0                                                                                               | 5 37        | 7 27          | 6 0                                                                                  | 5 37        | 7 27          | 6 0              | 5 37        | 7 27          | 6 0          | 5 37        | 7 27          | 6 0          | 5 37        | 7 27          |
| 278               | 5             | Su           | 6 3                                                                               | 5 34        | 7 58          | 6 1                                                                                                   | 5 35        | 8 11            | 6 1                                                                                                     | 5 35        | 8 11          | 6 1                                                                                    | 5 35        | 8 11          | 6 1                                                                                               | 5 35        | 8 11          | 6 1                                                                                  | 5 35        | 8 11          | 6 1              | 5 35        | 8 11          | 6 1          | 5 35        | 8 11          | 6 1          | 5 35        | 8 11          |
| 279               | 6             | Mo           | 6 5                                                                               | 5 32        | 8 49          | 6 2                                                                                                   | 5 34        | 9 2             | 6 2                                                                                                     | 5 34        | 9 2           | 6 2                                                                                    | 5 34        | 9 2           | 6 2                                                                                               | 5 34        | 9 2           | 6 2                                                                                  | 5 34        | 9 2           | 6 2              | 5 34        | 9 2           | 6 2          | 5 34        | 9 2           | 6 2          | 5 34        | 9 2           |
| 280               | 7             | Tu           | 6 6                                                                               | 5 30        | 9 47          | 6 3                                                                                                   | 5 32        | 9 59            | 6 3                                                                                                     | 5 32        | 9 59          | 6 3                                                                                    | 5 32        | 9 59          | 6 3                                                                                               | 5 32        | 9 59          | 6 3                                                                                  | 5 32        | 9 59          | 6 3              | 5 32        | 9 59          | 6 3          | 5 32        | 9 59          | 6 3          | 5 32        | 9 59          |
| 281               | 8             | We           | 6 7                                                                               | 5 28        | 10 52         | 6 4                                                                                                   | 5 30        | 11 2            | 6 4                                                                                                     | 5 30        | 11 2          | 6 4                                                                                    | 5 30        | 11 2          | 6 4                                                                                               | 5 30        | 11 2          | 6 4                                                                                  | 5 30        | 11 2          | 6 4              | 5 30        | 11 2          | 6 4          | 5 30        | 11 2          | 6 4          | 5 30        | 11 2          |
| 282               | 9             | Th           | 6 8                                                                               | 5 26        | morn          | 6 5                                                                                                   | 5 28        | morn            | 6 5                                                                                                     | 5 28        | morn          | 6 5                                                                                    | 5 28        | morn          | 6 5                                                                                               | 5 28        | morn          | 6 5                                                                                  | 5 28        | morn          | 6 5              | 5 28        | morn          | 6 5          | 5 28        | morn          | 6 5          | 5 28        | morn          |
| 283               | 10            | Fr           | 6 10                                                                              | 5 25        | 0 1           | 6 7                                                                                                   | 5 27        | 0 8             | 6 7                                                                                                     | 5 27        | 0 8           | 6 7                                                                                    | 5 27        | 0 8           | 6 7                                                                                               | 5 27        | 0 8           | 6 7                                                                                  | 5 27        | 0 8           | 6 7              | 5 27        | 0 8           | 6 7          | 5 27        | 0 8           | 6 7          | 5 27        | 0 8           |
| 284               | 11            | Sa           | 6 11                                                                              | 5 23        | 0 11          | 6 8                                                                                                   | 5 25        | 1 17            | 6 8                                                                                                     | 5 25        | 1 17          | 6 8                                                                                    | 5 25        | 1 17          | 6 8                                                                                               | 5 25        | 1 17          | 6 8                                                                                  | 5 25        | 1 17          | 6 8              | 5 25        | 1 17          | 6 8          | 5 25        | 1 17          | 6 8          | 5 25        | 1 17          |
| 285               | 12            | Su           | 6 12                                                                              | 5 20        | 2 25          | 6 9                                                                                                   | 5 24        | 2 28            | 6 9                                                                                                     | 5 24        | 2 28          | 6 9                                                                                    | 5 24        | 2 28          | 6 9                                                                                               | 5 24        | 2 28          | 6 9                                                                                  | 5 24        | 2 28          | 6 9              | 5 24        | 2 28          | 6 9          | 5 24        | 2 28          | 6 9          | 5 24        | 2 28          |
| 286               | 13            | Mo           | 6 13                                                                              | 5 19        | 3 41          | 6 10                                                                                                  | 5 22        | 3 41            | 6 10                                                                                                    | 5 22        | 3 41          | 6 10                                                                                   | 5 22        | 3 41          | 6 10                                                                                              | 5 22        | 3 41          | 6 10                                                                                 | 5 22        | 3 41          | 6 10             | 5 22        | 3 41          | 6 10         | 5 22        | 3 41          | 6 10         | 5 22        | 3 41          |
| 287               | 14            | Tu           | 6 15                                                                              | 5 17        | 4 59          | 6 11                                                                                                  | 5 20        | 4 56            | 6 11                                                                                                    | 5 20        | 4 56          | 6 11                                                                                   | 5 20        | 4 56          | 6 11                                                                                              | 5 20        | 4 56          | 6 11                                                                                 | 5 20        | 4 56          | 6 11             | 5 20        | 4 56          | 6 11         | 5 20        | 4 56          | 6 11         | 5 20        | 4 56          |
| 288               | 15            | We           | 6 16                                                                              | 5 16        | 6 19          | 6 12                                                                                                  | 5 18        | 6 14            | 6 12                                                                                                    | 5 18        | 6 14          | 6 12                                                                                   | 5 18        | 6 14          | 6 12                                                                                              | 5 18        | 6 14          | 6 12                                                                                 | 5 18        | 6 14          | 6 12             | 5 18        | 6 14          | 6 12         | 5 18        | 6 14          | 6 12         | 5 18        | 6 14          |
| 289               | 16            | Th           | 6 18                                                                              | 5 14        | sets.         | 6 13                                                                                                  | 5 17        | sets.           | 6 13                                                                                                    | 5 17        | sets.         | 6 13                                                                                   | 5 17        | sets.         | 6 13                                                                                              | 5 17        | sets.         | 6 13                                                                                 | 5 17        | sets.         | 6 13             | 5 17        | sets.         | 6 13         | 5 17        | sets.         | 6 13         | 5 17        | sets.         |
| 290               | 17            | Fr           | 6 19                                                                              | 5 12        | 6 7           | 6 15                                                                                                  | 5 15        | 6 19            | 6 15                                                                                                    | 5 15        | 6 19          | 6 15                                                                                   | 5 15        | 6 19          | 6 15                                                                                              | 5 15        | 6 19          | 6 15                                                                                 | 5 15        | 6 19          | 6 15             | 5 15        | 6 19          | 6 15         | 5 15        | 6 19          | 6 15         | 5 15        | 6 19          |
| 291               | 18            | Sa           | 6 20                                                                              | 5 10        | 6 59          | 6 16                                                                                                  | 5 14        | 7 12            | 6 16                                                                                                    | 5 14        | 7 12          | 6 16                                                                                   | 5 14        | 7 12          | 6 16                                                                                              | 5 14        | 7 12          | 6 16                                                                                 | 5 14        | 7 12          | 6 16             | 5 14        | 7 12          | 6 16         | 5 14        | 7 12          | 6 16         | 5 14        | 7 12          |
| 292               | 19            | Su           | 6 22                                                                              | 5 8         | 8 3           | 6 17                                                                                                  | 5 12        | 8 16            | 6 17                                                                                                    | 5 12        | 8 16          | 6 17                                                                                   | 5 12        | 8 16          | 6 17                                                                                              | 5 12        | 8 16          | 6 17                                                                                 | 5 12        | 8 16          | 6 17             | 5 12        | 8 16          | 6 17         | 5 12        | 8 16          | 6 17         | 5 12        | 8 16          |
| 293               | 20            | Mo           | 6 23                                                                              | 5 7         | 9 14          | 6 18                                                                                                  | 5 11        | 9 26            | 6 18                                                                                                    | 5 11        | 9 26          | 6 18                                                                                   | 5 11        | 9 26          | 6 18                                                                                              | 5 11        | 9 26          | 6 18                                                                                 | 5 11        | 9 26          | 6 18             | 5 11        | 9 26          | 6 18         | 5 11        | 9 26          | 6 18         | 5 11        | 9 26          |
| 294               | 21            | Tu           | 6 25                                                                              | 5 5         | 10 27         | 6 20                                                                                                  | 5 9         | 10 37           | 6 19                                                                                                    | 5 8         | 10 37         | 6 19                                                                                   | 5 9         | 10 42         | 6 19                                                                                              | 5 8         | 10 42         | 6 19                                                                                 | 5 9         | 10 47         | 6 19             | 5 8         | 10 50         | 6 19         | 5 9         | 10 50         | 6 19         | 5 8         | 10 50         |
| 295               | 22            | We           | 6 26                                                                              | 5 3         | 11 40         | 6 21                                                                                                  | 5 6         | 11 47           | 6 21                                                                                                    | 5 6         | 11 47         | 6 21                                                                                   | 5 6         | 11 50         | 6 21                                                                                              | 5 6         | 11 50         | 6 21                                                                                 | 5 6         | 12 0          | 6 21             | 5 6         | 12 0          | 6 21         | 5 6         | 12 0          | 6 21         | 5 6         | 12 0          |
| 296               | 23            | Th           | 6 27                                                                              | 5 1         | morn          | 6 22                                                                                                  | 5 6         | morn            | 6 22                                                                                                    | 5 6         | morn          | 6 22                                                                                   | 5 6         | morn          | 6 22                                                                                              | 5 6         | morn          | 6 22                                                                                 | 5 6         | morn          | 6 22             | 5 6         | morn          | 6 22         | 5 6         | morn          | 6 22         | 5 6         | morn          |
| 297               | 24            | Fr           | 6 29                                                                              | 5 0         | 0 49          | 6 23                                                                                                  | 5 5         | 0 54            | 6 23                                                                                                    | 5 5         | 0 54          | 6 23                                                                                   | 5 5         | 0 56          | 6 23                                                                                              | 5 5         | 0 56          | 6 23                                                                                 | 5 5         | 0 58          | 6 23             | 5 5         | 0 58          | 6 23         | 5 5         | 0 58          | 6 23         | 5 5         | 0 58          |
| 298               | 25            | Sa           | 6 30                                                                              | 4 58        | 1 57          | 6 24                                                                                                  | 5 3         | 1 59            | 6 24                                                                                                    | 5 3         | 1 59          | 6 24                                                                                   | 5 3         | 2 0           | 6 24                                                                                              | 5 3         | 2 0           | 6 24                                                                                 | 5 3         | 2 0           | 6 24             | 5 3         | 2 0           | 6 24         | 5 3         | 2 0           | 6 24         | 5 3         | 2 0           |
| 299               | 26            | Mo           | 6 32                                                                              | 4 57        | 3 3           | 6 25                                                                                                  | 5 2         | 3 3             | 6 25                                                                                                    | 5 2         | 3 3           | 6 25                                                                                   | 5 2         | 3 3           | 6 25                                                                                              | 5 2         | 3 3           | 6 25                                                                                 | 5 2         | 3 3           | 6 25             | 5 2         | 3 3           | 6 25         | 5 2         | 3 3           | 6 25         | 5 2         | 3 3           |
| 300               | 27            | Tu           | 6 34                                                                              | 4 55        | 4 8           | 6 26                                                                                                  | 5 4         | 4 9             | 6 26                                                                                                    | 5 4         | 4 9           | 6 26                                                                                   | 5 4         | 4 9           | 6 26                                                                                              | 5 4         | 4 9           | 6 26                                                                                 | 5 4         | 4 9           | 6 26             | 5 4         | 4 9           | 6 26         | 5 4         | 4 9           | 6 26         | 5 4         | 4 9           |
| 301               | 28            | We           | 6 36                                                                              | 4 54        | 5 12          | 6 28                                                                                                  | 4 50        | 5 7             | 6 28                                                                                                    | 4 50        | 5 7           | 6 28                                                                                   | 4 50        | 5 7           | 6 28                                                                                              | 4 50        | 5 7           | 6 28                                                                                 | 4 50        | 5 7           | 6 28             | 4 50        | 5 7           | 6 28         | 4 50        | 5 7           | 6 28         | 4 50        | 5 7           |
| 302               | 29            | Th           | 6 38                                                                              | 4 52        | 6 15          | 6 29                                                                                                  | 4 48        | 6 8             | 6 29                                                                                                    | 4 48        | 6 8           | 6 29                                                                                   | 4 48        | 6 8           | 6 29                                                                                              | 4 48        | 6 8           | 6 29                                                                                 | 4 48        | 6 8           | 6 29             | 4 48        | 6 8           | 6 29         | 4 48        | 6 8           | 6 29         | 4 48        | 6 8           |
| 303               | 30            | Fr           | 6 37                                                                              | 4 51        | risers.       | 6 30                                                                                                  | 4 57        | risers.         | 6 30                                                                                                    | 4 57        | risers.       | 6 30                                                                                   | 4 57        | risers.       | 6 30                                                                                              | 4 57        | risers.       | 6 30                                                                                 | 4 57        | risers.       | 6 30             | 4 57        | risers.       | 6 30         | 4 57        | risers.       | 6 30         | 4 57        | risers.       |
| 304               | 31            | Sa           | 6 39                                                                              | 4 49        | 5 15          | 6 32                                                                                                  | 4 55        | 5 27            | 6 32                                                                                                    | 4 55        | 5 27          | 6 32                                                                                   | 4 55        | 5 27          | 6 32                                                                                              | 4 55        | 5 27          | 6 32                                                                                 | 4 55        | 5 27          | 6 32             | 4 55        | 5 27          | 6 32         | 4 55        | 5 27          | 6 32         | 4 55        | 5 27          |
| MOON'S PHASES.    |               |              | MONTREAL.                                                                         |             |               | BOSTON.                                                                                               |             |                 | NEW YORK.                                                                                               |             |               | WASHINGTON.                                                                            |             |               | CHARLESTON.                                                                                       |             |               | NEW ORLEANS.                                                                         |             |               | CHICAGO.         |             |               |              |             |               |              |             |               |
| LAST QUARTER.     |               |              | 8. 8h. 49 m. M.                                                                   |             |               | 8. 8h. 59 m. M.                                                                                       |             |                 | 8. 8h. 47 m. M.                                                                                         |             |               | 8. 8h. 35 m. M.                                                                        |             |               | 8. 8h. 23 m. M.                                                                                   |             |               | 8. 7h. 43 m. M.                                                                      |             |               | 8. 7h. 53 m. M.  |             |               |              |             |               |              |             |               |
| NEW MOON . . .    |               |              | 15. 10h. 15 m. M.                                                                 |             |               | 15. 10h. 25 m. M.                                                                                     |             |                 | 15. 10h. 13 m. M.                                                                                       |             |               | 15. 10h. 1 m. M.                                                                       |             |               | 15. 10h. 11 m. M.                                                                                 |             |               | 15. 9h. 9 m. M.                                                                      |             |               | 15. 9h. 19 m. M. |             |               |              |             |               |              |             |               |
| FIRST QUARTER . . |               |              | 22. 1h. 25 m. M.                                                                  |             |               | 22. 1h. 35 m. M.                                                                                      |             |                 | 22. 1h. 23 m. M.                                                                                        |             |               | 22. 1h. 11 m. M.                                                                       |             |               | 22. 1h. 11 m. M.                                                                                  |             |               | 22. oh. 19 m. M.                                                                     |             |               | 22. oh. 29 m. M. |             |               |              |             |               |              |             |               |
| FULL MOON . . .   |               |              | 29. 9h. 15 m. A.                                                                  |             |               | 29. 9h. 15 m. A.                                                                                      |             |                 | 29. 9h. 13 m. A.                                                                                        |             |               | 29. 9h. 1 m. A.                                                                        |             |               | 29. 9h. 1 m. A.                                                                                   |             |               | 29. 8h. 0 m. A.                                                                      |             |               | 29. 8h. 19 m. A. |             |               |              |             |               |              |             |               |