

### ECLIPSES.

In the year 1863 there will be four Eclipses: two of the Sun and two of the Moon.

I. A partial Eclipse of the Sun, May 17, invisible in Nova Scotia, but will be visible in the northern part of Asia.

II. A total Eclipse of the Moon, June 1, partially visible at Halifax, as follows:

Moon enters Penumbra,.....	4h. 35m.,	afternoon.
Moon enters shadow,.....	5h. 30m.,	"
Total Phase,.....	6h. 37m.,	"
Moon leaves Shadow,.....	8h. 51m.,	"
Moon leaves Penumbra,.....	9h. 46m.,	"

III. An Annular Eclipse of the Sun, November 11, invisible in all parts of North America, Europe and Asia, but will be visible in the South Pacific Ocean.

IV. A partial Eclipse of the Moon, December 25:

Moon enters Penumbra,.....	1h. 50m.,	Morning.
Moon enters Shadow,.....	3h. 1m.,	"
Total Phase,.....	4h. 40m.,	"
Moon leaves shadow,.....	6h. 11m.,	"
Moon leaves Penumbra,.....	7h. 32m.,	"
Magnitude of the Eclipse, 0,956, (Moon's diameter=1.)		

### MORNING AND EVENING STARS.

VENUS will be an Evening Star till September 25th, then a Morning Star to the end of the year.

MARS will be an Evening Star till September 26th, then a Morning Star to the end of the year.

JUPITER will be a Morning Star until April 13th, then an Evening Star to October 26th, after that it will be a Morning Star to the end of the year.

SATURN will be a Morning Star until March 25th, then an Evening Star till September 29th, after which it will again be a Morning Star to the end of the year.

### SIGNS.

The following Signs are used in our Almanack to denote the different positions and phases of the Moon. ☾ denotes the Moon in the first quadrature—that is the quadrature between change and full. ☾ denotes the Moon in the last quadrature—that is, the quadrature between full and change. ● denotes new Moon. ○ denotes full Moon.

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