

ECLIPSES IN 1843.

Three Eclipses will happen this year, of which that in the evening of Decr. 6, will only be visible here.

I. June 27, an annular Eclipse of the Sun, visible in the South Pacific Ocean, Mexico, and throughout South America.

II. Decr, 6, a small Eclipse of the Moon, visible :—

	H.	M.
Beginning - - - -	7	4 afternoon
Greatest Obscuration - - -	7	47
End of the Eclipse - - -	8	50

Digits eclipsed 2° 24' on the southern limb.

III. Decr. 21, a total Eclipse of the Sun, visible throughout Asia, part of Africa, and the Indian Ocean.

OCCULTATIONS.

The most important occultations probably visible in P. E. Island, in 1843, are those of June 11, Sept. 1, and Aug. 21, but there will not this year be any visible occultation of a planet or of a star, of the first or second magnitude.

EXPLANATION OF THE CALENDAR PAGES.

LEFT HAND PAGE.

- COLUMN, 1st and 2d, contain the days of the month and of the week.
- 3d and 4th. The rising and setting in mean time of the highest point, or of the *upper limb* of the sun, corrected for refraction.
- 5th. Days length in hours and minutes.
- 6th. The Equation of Time (or quantity by which the Sun is *slow* or *fast* of the clock), at noon, *apparent* time (not mean) at Greenwich.
- 7th. The Sun's declination, for the same as the Equation, 6th column.
- 8th. The rising or setting of the Moon. The setting being given from the New Moon to Full, and her rising from Full to New Moon.
- 9th. The Place of the Moon in the Ecliptic.
- 10th. The time of the Moon's southing, or passing the meridian.
- 11th. Days increase or decrease in hours and minutes.

The top of the columns of each month shows the moon's phases, of the times of new and full moon, and of the first and last quarters, or two quadratures with the sun.

The FARMER'S CALENDAR is placed at the foot of the columns of each month.

RIGHT HAND PAGE.

- 1. Contains the days of the month.
- 2. Sundays, Phenomena, Anniversaries, &c.
- 3. Time of High Water at Halifax, Nova Scotia.
- 4. .... Annapolis, Nova Scotia.
- 5. .... Charlotte Town, P. E. Island.
- 6. .... Windsor, N. S., and St. John, N. B.

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