

**ECLIPSES DURING THE YEAR 1859.**

During this year there will be six Eclipses—four of the Sun; and two of the moon.

I.—February 2nd. A partial Eclipse of the Sun, not visible in any part of Canada.

II.—February 17th. There will be a total Eclipse of the Moon, early in the Morning, visible throughout Canada. This eclipse commences— at Montreal, three minutes past four; at Kingston, fifty minutes past three; and at Toronto, forty minutes past three. The Eclipse will be total at Montreal from 5.0 to 6.38; at Kingston from 4.47 to 6.25; and at Toronto from 4.37 to 6.15. The Moon will set from four to eight minutes after sunrise and with about one-third of it eclipsed at the time.

III.—March 4th. Partial Eclipse of the Sun, invisible.

IV.—July 29th. In the afternoon there will be a partial Eclipse of the Sun, lasting only a few minutes, and occurring about an hour before sunset. Visible in Canada.

V.—August 13. A total Eclipse of the Moon; not visible here.

VI.—August 28. There will be a partial Eclipse of the Sun, but not visible in Canada.

**DURATION OF THE SEASONS, &c.**

	D.	H.	M.		D.	H.	M.
Sun in Winter signs...	89	1	19	Tropical year.....	365	5	55
Sun in Spring signs....	92	20	37	Sun North of Equator...	186	10	49
Sun in Summer signs...	93	14	12	Sun South of Equator...	178	19	6
Sun in Autumnal signs.	89	17	47	Difference.....	7	15	43

Verbal Equinox begins	March	20,	4	28	Even.
Summer Solstice	June	21,	1	5	Even.
Autumnal Equinox	September	23,	3	17	Morn.
Winter Solstice	December	21,	9	4	Even.

**APPEARANCE OF PLANETS, 1859.**

Until September 27th, Venus will be the Morning Star; then Evening Star the rest of the year. Until July 21st, Mars will be the Evening Star; then Morning Star the rest of the year. Jupiter will be Evening Star until June 25th, then Morning Star the rest of the year. Saturn will be Morning Star until Jan. 29th, then Evening Star until August 8th, then Morning Star the rest of the year. The Planet Mercury can be observed most favorably on the 30th of March, 28th of July, and 22d of November, when it will be West, not far from the place of sunset; also on the 24th of January, the 22nd of May, and 16th of September, when it will be in the East, just before sunrise.