

These data may be reduced, if required, to Charlottetown time, by multiplying the hourly difference by the constant 4.208, and adding or subtracting the result according as the data are increasing or decreasing.

For convenience of reference, the Sun's semi-diameter is given for every day in the year, in a separate table on page 17 of the Calendar, from which may be obtained the horizontal parallax by dividing the seconds of semi-diameter by the constant 107.44, and the parallax in altitude by multiplying the result by the cosine of the apparant altitude. Example:

For March 25, sun's semi-diameter,	16'5"2	965,2	
		107.44	=8.98 horizontal parallax
For parallax in altitude, 40°, for the same date, 3.90 long.,		.9534913	
	Cosine 40°	9.8842540	
Paralla in altitude, 6.88		18377453	

The bearing of the Moon at the time of full and changes are given for assisting or testing weather forecasts, and the time of the Moon crossing the equinoctial, and of its reaching its greatest declination north and south are given as days of expected atmospheric disturbance. When these days fall on or near the time of the Moon's change or perigee, the disturbing influences is proportionally increased these cases are marked with ** or *** according as two or three of these are combined, the stronger and more certain may be the disturbance expected.

ECLIPSES.

There will be four eclipses during the year, viz.

I. A partial Eclipse of the Sun, May 2nd, five minutes before midnight, Greenwich time, visible to the northern parts of Asia and America, beginning at sunset—carried east.

II. A total Eclipse of the Moon, Greenwich time of conjunction, June 11th, 18h. 44m. 23sec., visible at Charlottetown, commencing two minutes past midnight, ending 5h. 20m, after the moon has set.

III. An annular Eclipse of the Sun, Nov. 21, G. M. T., 4h. 42m., only visible as such near the South Pole, visible as a partial Eclipse at Cape Horn and Patagonia.

IV. A partial Eclipse of the Moon Dec. 5, G. M. T., 5h. 7m. 11sec, invisible at Charlottetown.

There will be a transit of Mercury across the Sun's disc, November 7th, from 10h. 16m. 13sec. to 15h. 37m. 41sec., Greenwich time, therefore invisible to Charlottetown.

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