

From the Sun's apparent semi-diameter, which is given daily to the nearest tenth of a second, may be found the Sun's Horizontal Parallax (that is what would be the Earth's apparant semi-diameter as seen from the distance of the Sun, by dividing by 107.44, the proportion the Sun's actual diameter bears to that of the Earth). Thus we find for July when the Sun's distance is greatest $\frac{15' 46''}{107.44} - \frac{946}{1074} = 8''.806$ for Parallax and also on December 31st, when the Sun is nearest the semi-diameter is $16' 18'' 2$ giving $9''.105$ for Parallax.

On the right hand page of each month are given the phases of the Moon, its Rising, Southing and Setting, with the time of High Water at Charlottetown, to the nearest full minute of local mean time.

To assist in weather forecasts, are added the Moon's Perigee and Apogee, and the time of crossing the Equator and reaching its greatest North and South Declination. It having been observed that these periods are generally found to be accompanied by atmospheric changes more or less marked as they agree with the Moon's changes and Perigee, when two or more of these influences concur within the space of 48 hours it is indicated by ** or *** accordingly.

ECLIPSES.

During the year 1895, there will be five Eclipses, three of the Sun and two of the Moon, only the latter will be observable at Charlottetown. They are as follows:—

(I) A Total Eclipse of the Moon, March 10th, Greenwich mean time of opposition 15 hrs. 31 mins. 30 sec. (March 11th day, 3 hrs. 31.30 sec. a. m.)

(II) A Partial Eclipse of the Sun, Greenwich mean time of conjunction March 25th, 23 hrs. 36 mins. 49.8 sec. (11h. 36m. 46m. a. m., March 26th), visible in Greenland, Iceland, west coast of Norway, ending at Charlottetown just about sunrise.

(III) A Partial Eclipse of the Sun, Greenwich mean time of conjunction August 20th, 0 hrs. 15 mins. 6 sec. only visible in Russia and western parts of Central Asia.

(IV) A Total Eclipse of the Moon, September 3rd, Greenwich mean time of opposition 17 hrs. 47 mins. 50.4 sec. = 5 hrs. 47 mins. 58 sec., a. m.

(V) A Partial Eclipse of the Sun September 18th, Greenwich mean time of conjunction 9 hrs. 49 mins. 21.7 sec., visible in New Zealand and South Pacific Ocean, only partially in the morning on the eastern coast of Australia.