

ECLIPSES.

There will be four Eclipses this year.

I. A partial eclipse of the moon, January 27th. Greenwich mean time of opposition in right ascension, 13h. 15m. 36s. Magnitude of eclipse, .45 of the moon's diameter—to the North.

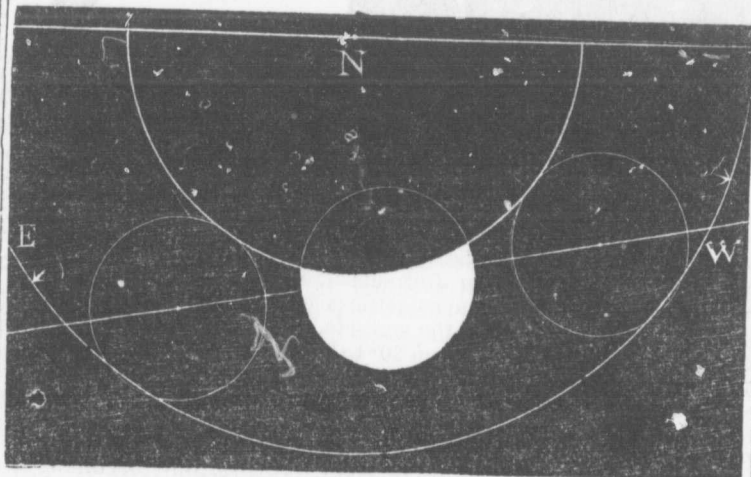
II. An annular eclipse of the sun, February 10. Greenwich date of conjunction, in right ascension, 1h. 28m. 47s. Visible only as a partial eclipse to the southern parts of South America, Africa, and Madagascar. The line of centrality passing from south of Capes Horn and Good Hope, and the southern extremity of Madagascar.

III. A partial eclipse of the Moon, July 23. Greenwich mean time of opposition, 2h. 12m. 5s. Portion eclipsed, .559 of D diameter, south.

IV. A total eclipse of the Sun, August 7. Greenwich time of conjunction in right ascension, 9h. 45m. 59s. Visible from N.E. of Asia and Japan, and the whole of Northern and Central America. The line of Centrality passes across the American Continent, from Northern Sound—Russian America, to Cape Hatteras.

The eclipses of January 27th and August 7th being visible at Charlottetown, the following particulars are added, reduced to local mean time:

LUNAR ECLIPSE OF JANUARY 27TH.



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|-----------------------------------------------|------------------|
| a, First contact with Penumbra . . . .        | 7h. 5.7m., p. m. |
| b, First contact with Shadow, N. 50° E. . . . | 8h. 16.7m., "    |
| c, Middle of Eclipse . . . .                  | 9h. 25.7m., "    |
| d, Last contact with Shadow, N. 31° W. . . .  | 10h. 34.7m., "   |
| e, Last contact with Penumbra . . . .         | 11h. 45.7m., "   |

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