

Eclipses, 1867.

In the year 1867 there will be *four Eclipses, two of the Sun,*
and *two of the Moon.*

The first, March the 6th—*an annular Eclipse of the Sun.*—This Eclipse will be invisible in Newfoundland, for no part of it will be seen in the Western Continent. It will be visible in Europe, in the greater part of Asia and Africa, and North Atlantic Ocean.

The Second, March the 20th—*a partial Eclipse of the Moon.*—The first part of this Eclipse will be visible in Newfoundland, as the First contact with Penumbra, will be at 2h. 34m. 32s. a.m.

The first contact with Shadow at 3h. 45m. 11s. a.m.

The Middle of Eclipse at 5h. 18m. 0s. a.m.

[Mean time at St. John's, N.F.]

At this time the Moon will be setting, so that the latter part of Eclipse cannot be seen in the Island.

The third, August 29th—*a total Eclipse of the Sun.* This Eclipse may be said to be invisible in the Northern Hemisphere, as the Northern line of simple contact reaches only to Latitude 3.37 N. It will be visible in South America, in part of South Pacific Ocean, in all the South Atlantic, and at the Cape of Good Hope.

The fourth, September 13th—*a partial Eclipse of the Moon.* This Eclipse will be visible in Newfoundland, and above our horizon during the whole time of its continuance. If there shall be a clear sky, this will be an interesting phenomenon to such as are desirous of making observations on it. The Moon will be rising just at the time her eastern edge will be entering the Earth's Penumbra:—

Moon's first contact with Penumbra 6h. 12m. 35s. p.m.

First contact with Shadow 7h. 26m. 41s. p.m.

Middle of Eclipse 8h. 55m. 29s. p.m.

Last contact with Shadow 10h. 24m. 17s. p.m.

Last contact with Penumbra 11h. 38m. 23s. p.m.

[Mean time at St. John's, N.F.]

NOTE.—The Tide Tables (in the Calendar pages) may be rendered applicable to various other places on the coast, by simply adding or subtracting as the case may be, the difference between the times of High Water on the Full and Change of the Moon at St. John's, and the time of the full tide at any other harbor; for example, to find the time of High Water at any of the principal harbors of Conception Bay, add 45 minutes to the time at which it will be High Water at St. John's; for Placentia Bay, add 2 hours; for St. Peters, 1h. 50m.; for Ferrolle, on the French Shore, 4 hours, &c.—See table LVII. of Norie's Epitome.

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