

PHASE.	Halifax.	Fredericton.	Quebec.	Montreal.	Kings-ton.	Toronto.	Lon-don.	Fort Garry.	Victo-ria.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
First contact with Penumbra.....	16 13	16 3	15 43	15 33	15 21	15 9	15 1	13 58	12 15
First contact with shadow.....					16 24	16 12	16 4	15 1	13 18
Beginning of total Phase.....								16 6	14 23
Middle of Eclipse.....									15 8
End of total Phase.....									15 53

Magnitude of Eclipse (Moon's diameter = 1)
1.428.

First contact with shadow occurs at 124° from the North point of Moon's limb towards the East; and the last contact 82° towards the West; in each case for direct image.

II. A partial Eclipse of the Sun, May 25, 1873, visible in the Eastern part of Canada on the morning of May 26 (civil time.)

The Eclipse begins on the earth generally May 25, at 19h. 3m Greenwich time, in longitude 26° 57' W of Greenwich, and latitude 25° 4' N.

The greatest Eclipse is at 21h. 8.8m. in long. 99° 46' W., and latitude 63° 54' N.

Magnitude 0.899; the Sun's diameter being unity.

The Eclipse ends generally May 25, 23h. 14.5m. in longitude 131° 13' E., and latitude 52° 57' N.

The line on which the Eclipse ends at sunrise crosses the St. Lawrence a little above Montreal.

At HALIFAX the Sun rises partially eclipsed.

Magnitude at sunrise 0.59.

Position 34° from North point of Sun's disc towards the East.

At FREDERICTON the Sun rises partially eclipsed.

Magnitude at sunrise 0.56.

Position 40° from North point of Sun's disc towards the East.

At QUEBEC the sun rises partially eclipsed.

Magnitude at sunrise 0.30.

Position 51° from North point of Sun's disc, towards the East.

At MONTREAL, a very small portion of the Sun is eclipsed at rising.

Magnitude at sunrise 0.06.

Position 58° from North point of Sun's disc, towards the East.

At TORONTO the Eclipse is not visible.

III. A total Eclipse of the Moon, Nov. 4, which occurs after the Moon has set at most parts of the Dominion.

At Victoria the first contact with the Penumbra and with the shadow occur just before the Moon sets in the morning of November 4.

IV. A partial Eclipse of the SUN Nov. 19, 1873 invisible in Canada.

EUROPEAN SOVEREIGNS.

DATES OF BIRTH AND ACCESSION.

		Born.	Accession.
Austria.....	Francis Joseph, Emperor	18 Aug., 1830	2 Dec., 1848
Baden.....	Friderick W. L., Grand Duke.....	9 Sept., 1826	5 Sept., 1856
Bavaria.....	Louis II., King.....	25 Aug., 1815	10 Mar., 1864
Belgium.....	Leopold II., King	9 April, 1835	10 Dec., 1865
Brazil (South America).....	Pedro II., Emperor of	2 Dec., 1825	7 April, 1831
Denmark.....	Christian IX., King	8 April, 1818	15 Nov., 1863
England.....	Victoria, Queen.....	24 May, 1819	20 June, 1837
France.....	L. A. Thiers, President.....	16 April, 1797	31 Aug., 1871
Greece.....	George I., King of the Greeks	21 Dec., 1845	6 June, 1843
Hesse Parmstadt.....	Luis III., Grand Duke.....	8 June, 1806	16 June, 1818
Holland.....	William III., King.....	19 Feb., 1817	17 Mar., 1849
Italy.....	Victor Emmanuel II., King.....	14 Mar., 1820	23 Mar., 1849
Mecklenburg Schwein.....	Frederic Francis, Grand Duke.....	28 Feb., 1823	7 Mar., 1842
Mecklenburg Strelitz.....	Fred Wm. Charles, Grand Duke.....	17 Oct., 1819	6 Sept., 1860
Oldenburg.....	Nicolas, Grand Duke.....	8 July, 1827	27 Feb., 1853
Portugal.....	Don Louis I., King.....	31 Oct., 1818	11 Nov., 1841
Prussia.....	William I., Emperor of Germany	22 Mar., 1797	2 Jan., 1861
Roman Church.....	Pius IX., Pope	13 May, 1792	16 June, 1846
Russia.....	Alexander II., Emperor	29 April, 1818	2 Mar., 1855
Saxe Coburg and Gotha.....	Ernest II., Augustus Charles, Duke	21 June, 1818	29 Jan., 1844
Saxe Meiningen.....	George, Duke.....	2 April, 1826	20 Sept., 1866
Saxe Weimar.....	Charles Alexander, Grand Duke	24 June, 1818	8 July, 1853
Saxony.....	John I., King	12 Dec., 1801	9 Aug., 1854
Spain.....	Amadeus, King	30 May, 1845	Nov., 1870
Sweden and Norway.....	Charles XV., Louis Eugene, King	3 Mav., 1823	7 July, 1859
Turkey.....	Abdul Aziz Khan, Sultan	9 Feb., 1830	25 June, 1868
United States (America).....	Ulysses S. Grant, President	27 April, 1822	4 Mar., 1869
Wurtemburg.....	Charles Frederick Alexander, King	6 Mar., 1823	25 June, 1861