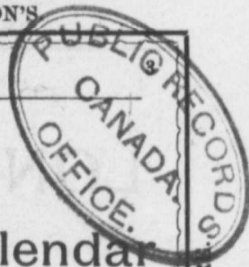


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EXPLANATION
OF THE
Articles of the Calendar
AND
ASTRONOMICAL NOTICES FOR THE YEAR 1886.

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On the left hand page of each month are given the data required for Solar observations for Time and Latitude, namely:—The Equation of Time (Sun fast or slow of clock) which is given for the instant of apparent Noon and the Sun's Declination at Mean Noon, both Greenwich Time. Also the Sun's apparent Semi-diameter to the nearest tenth of a second for every day throughout the year with these exceptions, all the calculations are reduced to the nearest minute Local Mean Time, Charlottetown Latitude 46° 13' 55 N. Longitude 63° 7. 23 W.

The Sun's Declination at Greenwich Apparent Noon if required can be obtained from the data here given by multiplying the hourly variation of Declination by the Equation of Time for the same day, reduced to the decimal of an hour and applying the result according to the conditions as given below :

DECLINATION INCREASING | DECLINATION DECREASING.

| | | | |
|--------------------------|-------------------------------|-------------------------------|--------------------------|
| Sun slow of clock Add | Sun fast of clock Subtract | Sun slow of clock Subtract | Sun fast of clock Add |
|--------------------------|-------------------------------|-------------------------------|--------------------------|

*Example.—To find the Sun's Declination for Apparent Noon, Greenwich Time, March 1st, 1886. **

| | |
|--|-----------|
| Equation of time March 1st, 18° 29.82' | |
| 60 | 12.497 |
| | 2083 |
| Hourly variation of Declination | 57.04 |
| | 8332 |
| | 145810 |
| | 10415 |
| | 11.881432 |

| | | |
|--------------------------------|-----------|----------|
| South, Declination decreasing. | Sun slow. | Subtract |
| Sun's Declination Mean Noon | 7° 29' | 51.5 |
| Apparent Noon | 7° 29' | 39.6 |

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