

ECLIPSES FOR THE YEAR 1888.

During this year there will be five eclipses, three of the Sun and two of the Moon.

I. January 26th. There will be a total Eclipse of the Moon, visible.

Beginning of total phase 28 3 21 ev.

Middle of total Eclipse 28 4 00 ev.

End of total phase 28 4 49 ev.

II. February 11th, there will be a partial Eclipse of the Sun, invisible.

Begins on the earth generally, February 11th 9h 55'm. meantime at Greenwich, in longitude $94^{\circ} 19'$ E. of Greenwich, and latitude $64^{\circ} 7'$ S. It ends February 11th, 13 h 21 m 8, in longitude $95^{\circ} 2'$ W. of Greenwich and latitude $39^{\circ} 36'$ S.

III. July 8th.—There will be a partial Eclipse of the Sun, invisible.

Begins on the earth generally, July 8th 16 49' 7, meantime at Greenwich in longitude $45^{\circ} 5' 9$ E of Greenwich and latitude $48^{\circ} 14'$ S. It ends July 8th 20h 12, in longitude $117^{\circ} 44'$ East of Greenwich and latitude $51^{\circ} 14'$ S.

IV. July 22.—There will be a partial Eclipse of the Moon, visible.

Beginning of the total phase 22 9 34 ev.

Middle of the Eclipse 22 10 24 ev.

End of total phase 22 11 35 ev.

V. August 7th.—There will be a partial Eclipse of the Sun, invisible.

Begins on the earth generally August 7th 5h 1m 7, meantime at Greenwich in longitude $13^{\circ} 7'$ East of Greenwich and latitude $71^{\circ} 6'$ N. It ends August 7th 7 h 9 m 6, in longitude $6^{\circ} 42'$ E of Greenwich and latitude $53^{\circ} 28'$ N.