

ECLIPSES in the YEAR

Of the MOON, January 4th in the evening
 Beginning at - - - - - 6h
 Middle - - - - - 7
 Ecliptic δ - - - - - 7
 End of the Eclipse - - - - - 9
 Digits Eclipsed $9^{\circ} 28'$, on the North Limb.

Of the SUN, the 16th JUNE, visible.

THE Ecliptic conjunction, at Halifax, 12h 7m 41", at
 in Longitude $2^{\circ} 24' 45''$. Lat. of the Moon 19°
 N. D. Lat. Halifax $44^{\circ} 40'$; reduced $44^{\circ} 26'$; Equat
 al Parallax of the Moon $60' 25'' 7$; Horizontal Parallax
 $18''$; hourly motion of the Moon $36' 41'' 6$; of the Sun $2' 23''$
 hourly motion of the Moon from the Sun, in the Ecliptic, $34'$
 $18''$; but in her relative orbit $34' 28''$; \odot 's Declination 23°
 $21' 32''$; Moon's relative angle $5^{\circ} 36' 21''$; \angle between the
 axis of the Ecliptic and Equator $2^{\circ} 10' 34''$; hence I find
 the \odot will begin to be Eclipsed at 10h. 50' morn.
 Middle at - - - - - 12 11 1/2
 End at - - - - - 1 34 aft.
 Digits Eclipsed $10^{\circ} 52'$; Time of Incidence 1 21 1/2
 on the south side. of Reflection - 1 22 1/2
 Duration - - - - - 2 44

The first impression of the Moon, upon the Sun will be at
 $66\frac{1}{2}$ from the superior Limb of the \odot towards the right
 hand.

Of the Sun the 9th of December, invisible; the Ecliptic δ
 will be at 10h. 10m. evening, in $8^{\circ} 17' 24''$. Moon's lat. $9' 20''$
 south.

PLANETS.

γ Mercury - - \oplus Earth. δ Mars - - - [5] Herschel
 ρ Venus - - - ♄ Saturn. ♃ Jupiter - - ♁ Moon-

SIGNS.

♈ Aries ♋ Cancer ♌ Libra Δ Capricornus
 ♉ Taurus ♍ Leo ♎ Scorpio \equiv Aquarius
 ♊ Gemini ♏ Virgo ♐ Sagittarius \times Pisces

ASPECTS.

δ Conjunction Δ Trine
 δ Opposition ♁ Dragon's head or ascending node
 \ast Sextile ♁ Dragon's tail or descending node
 \blacksquare Quartile

1/2
 20
 10-10
 2-1/2
 8-5/2
 1-9/2
 1/2
 -5
 -0
 -11
 3-2
 1-8
 -9
 -1/2