

very similar to the southern in the eclipse of Jan. 20th, except that the eclipse will be smaller in the northern, than in the southern frigid zone.

V. The fifth and last, will be of the moon, on Thursday, Dec. 26th—total and partly visible; the moon will pass through the centre of the earth's umbra; she will be almost wholly immersed at her rising; and as the daylight departs she may be seen in the north-east wading through the sullied gloom, with the sombre veil of the earth's shadow spread over her dusky and disconsolate face. Near by, or a little south and above her, will be the Bull's eye, Aldabaran, who will direct where to look for the Moon in this hour of darkness.

The eclipse begins.....	3h. 28m.	} apparent solar time in the Evening.
☾ rises nearly totally eclipsed.....	4 19	
Beginning of total darkness.....	4 28	
Ecliptic opposition.....	5 16	
Middle of the eclipse.....	5 17	
End of total darkness.....	6 6	}
End of the eclipse.....	7 6	

Digits eclipsed $20^{\circ} 7' 15''$ inclining a little to the southern side of the earth's shadow.

Occidental and Oriental Stars.

The Planet Venus (♀) will be *evening* star, till Holy Thursday, (May 16th,) thence *morning* star through the year.

Jupiter (♃) also will be *evening* star till April 1st (all Fool's Day) thence *morning* star till St. Crispin's (Oct. 25th) and then again *evening* star.

Mars (♂) likewise will be *evening* star till All Saint's Day. (Nov. 1st.)—the remainder of the year he will be *morning* star.

Explanation of the Calendar Pages.

LEFT HAND PAGE.—*First column* contains the days of the month. *Second, Days of the Week.* *Third, Rising of the Sun.* *Fourth, Setting of the Sun.* *Fifth, length of days in hours and minutes.* *Sixth, Sun's declination in hours and minutes.* *Seventh, Moon's Rising or Setting.* *Eighth, Moon's Southing:*—this column also gives the time of High Water at Widdow, Parrshero's, Horton, Cornwallis, &c. *Ninth, Moon's place in the Signs.* *Tenth, High Water at Halifax.*

RIGHT HAND PAGE.—*First column,* contains the days of the month. *Second, Baromys, Weather, &c.* *Third, Farmer's Calendar.*

The top of the columns on each page shows the Moon's phases, the times of new and full moon, and of the first and last quarter, and the quadratures with the sun.

All the calculations are in apparent or solar time. The Sun's declination, is taken from the Nautical Almanack.