## ECLIPSES IN THE YEAR 1828.

HERE will be two Eclipses this year; both of the Sun, in the following order:

1st. The first will be on the 14th day of April, at 4 hours 39 minutes in the morning; consequently invisible to us. Moon's latitude, 84' North; Sun's longitude, Os. 24° 234'. This Eclipse will be visible, central on the Meridian, and slightly annular, at 4 hours 45 minutes in the morning, in the Red Sea or Arabian Gulf, and at Suakem on its west coast, Jidda on its east coast, and at such other places on both coasts as lie in and near lat. 18° 26' N.

2d. The second will be on the 8th day of October, at 7 hours 39 minutes in the evening : of course invisible here. Moon's latitude, 61' south ; Sun's longitude, 6s. 15° 401'. In the South Pacific Ocean, at and near the New-Hebrides and the Friendly Islands, or in and near latitude 13° 74' south, this eclipse will be visible, certral on the Meridian, and brightly annular, at 7h. 441m. evening.

## Morning and Evening Stars for 1828.

The Planet Venus (2) will be Evening Star till July 28th; thence Morning Star to the end of the year.....Jupiter (24) will be Morning Star till April 29th; thence Evening Star till November 17th; thence Morning Star to the end of the year..... Mars (3) will be Morning Star till June 30th; thence Evening Star to the end of the year.....Saturn (h) will be Morning Star till January 7th; there Evening Star till July 16th, and Morning Star to the end of the year

## THE PLANETS AND THEIR RELATIONS.

The Sun.

8 A Planet's Ascending Node.

The Descending Node.

**ğ** Mercury.

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- Q Venus. ( O • ) The Moon. 
  The Earth. & Mars.
- 4 Jupitel. 2th August, K. h Saturn # Georgen
  - Days of arri

HE Mails for H verpool, Miran Montreal, depa ters for those p · day.

h. Mails from t ails for Kingst patched on SA be Mails from States, arrive o TURDAY, at 4 P. he Mails from N DAY, and depai

- I Quadrature, or Planets situate in longitudes diffing three signs from each other. Opposition, or Planets situate in opposite longitude
- or differing six signs from each other. △ Trine happens when one Planet stands from anoth

Conjunction, or Planets situate in the same longitue

- four signs, or 120 degrees ; which make be third part of the ecliptic.
- \* Sextile is the sixth part of the ecliptic; viz. t signs which make 60 degrees.

Y Aries, hea 8 Taurus, ne I Gemini, ar 5 Cancer, br

**Dominical Let** Golden Numb Epact .....

Septuagesima Quinquagesima Sunday ..... Ash Wednesda Mid Lent Sund: Palin Suuday .... Easter Day .....

lst January, N

17th March, Sai 23d April, Saint 29th May, King 4th June, Sain 9th July, King'

2d