

ECLIPSES, 1753.

THIS Year there will be four Eclipses, two of the Sun, and two of the Moon.

The First Eclipse will be of the Moon, on Tuesday, the 17th Day of April, about Two a Clock in the Afternoon, and therefore it cannot be seen here; but in London the Moon will rise five Digits eclipsed.

The Second will be of the Sun, on Thursday, the 3d of May, about Two a Clock in the Morning, therefore invisible.

The Third Eclipse will be of the Moon, on Friday, the 12th Day of October, in the Morning, when, if the Air be clear, the Moon will be seen eclipsed almost six Digits; it begins at 26 min. after Two, and ends at 56 min. past Four, so that the whole Duration is two Hours and thirty Minutes.

The TYPE.

North.



East.

South.

The Fourth is a Solar Eclipse on Friday, the 26th of October, about Five a Clock in the Morning, invisible here.

On Sunday, the 6th Day of May, in the Morning, the Planet Mercury may be seen to make a black Spot

in

in the Sun's Body, according to the following Calculation.

	D. h. m.
Middle Time of the true δ 1753, May 5 15 43 P. M.	
Equation of Time, add	4
Apparent Time of the true δ	5 15 47
Mean Anomaly of the Sun,	10 6 21
Mean Anomaly of Mercury,	10 19 47
Dil. of the \odot from the \oplus Log. 5,004518	
\oplus from the \odot	4,656557
\oplus from the \oplus	4,745839
Geocentric Longitude \odot and \oplus	$8^{\circ} 15' 53''$
Geocentric Latitude,	3 19
Anomaly of Computation,	6 0 0
Inclination, or Heliocentric Lat. of \oplus S.A.	4 3
Elongation to six Hours before the true δ	23 24
Difference of Latitude in six Hours,	4 18
Angle of the visible Way,	10 25
Nearest Approach of their Centers,	3 15
Motion from the Middle to the true δ	35
Latitude of \oplus at the Middle,	3 4
Motion of Half the visible Way,	15 24
Motion of Half Duration,	15 9
Dif. of Lat. between the Mid. Begin. & End,	2 47
Geocentric Latitude at the Beginning, S. A.	0 17
Geocentric Latitude at the End, S. A.	5 51
Time from the true δ to the Middle,	2 4
Time of Half Duration,	3 53
The Arch of the \odot 's Perimeter at the Begin.	1 2
The Arch of the \odot 's Perimeter at the End,	21 48
Apparent Semidiameter of the Sun,	15 45
Apparent Semidiameter of \oplus	0 8 6
Mercury enters the Sun's Disk, May 5, 11 44 P. M.	
Middle or nearest Approach of the Centers, 15 37	
True Conjunction,	15 46
Mercury emerges out of the Disk,	19 31
Total Duration of this Eclipse,	7 47

The astronomical Time when Mercury goes off the Sun's Disk, being reduced to common Time, is May the 6th, at 31 min. after Seven in the Morning. The Sun rises at 1 min. past Five, and if you get up betimes, and put on your Spectacles, you will see Mercury rise