=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. [Illustration] West.

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 the _Sun_'s Body, according to the following Calculation.

| | D. | h. | m. | |
|---|---|---|---|---|
| Middle Time of the true ☌ 1753, _May_ | 5 | 15 | 43 | P. M |
| Equation of Time, add | | | 4 | |
| Apparent Time of the true ☌ | 5 | 15 | 47 | |
| Mean Anomaly of the _Sun_, | 10 | 6 | 21 | |
| Mean Anomaly of _Mercury_, | 10 | 19 | 47 | |
| Dist. of the ☉ from the ♁ Log. 5,004518 | | | | |
| ☿ from the ☉ 4,656557 | | | | |
| ☿ from the ♁ 4,745839 | | | | |
| Geocentrick Longitude ☉ and ☿ | ♉ | 15° | 53' | 0" |
| Geocentrick Latitude, | | | 3 | 19 |
| Anomaly of Commutation, | 6 | 0 | 0 | |
| Inclination, or Heliocentrick Lat. of ☿ S.A. | | | 4 | 3 |
| Elongation to fix Hours before the true ☌ | | | 23 | 24 |
| Difference of Latitude in fix Hours, | | | 4 | 18 |
| Angle of the visible Way, | | 10 | 25 | |
| Nearest Approach of their Centers, | | | 3 | 15 |
| Motion from the Middle to the true ☌ | | | | 35 |
| Latitude of ☿ at the Middle, | | | 3 | 4 |
| Motion of Half the visible Way, | | | 15 | 24 |
| Motion of Half Duration, | | | 15 | 9 |
| Diff. of Lat. between the Mid. Begin. & End, | | | 2 | 47 |
| Geocentrick Latitude at the Beginning, S. A. | | | 0 | 17 |
| Geocentrick Latitude at the End, S. A. | | | 5 | 51 |
| Time from the true ☌ to the Middle, | | | 9 | 4 |
| Time of Half Duration, | | 3 | 53 | |
| The Arch of the ☉'s Perimeter at the Begin. | | 1 | 2 | |
| The Arch of the ☉'s Perimeter at the End, | | 21 | 48 | |
| Apparent Semidiameter of the _Sun_, | | | 15 | 45 |
| Apparent Semidiameter of ☿ | | | 0 | 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 in the _Sun_, and will appear like a small black Patch in a Lady's Face.