

XVI. *An Observation of an Eclipse of the Moon, Dec. 12. 1749. made at Earith, near St. Ives, in Huntingdonshire, by Mr. Wm. Elftobb, jun. communicated in a Letter to Martin Folkes, Esq; Pr. R. S.*

Read Dec. 21.
1749.

AT 7 at Night the Umbra came on the lower Limb of the Moon, almost directly under the Spot called *Tycho*, in *Keil's* Map of the Moon.

At 2 Min. $\frac{3}{4}$ after 7, the Penumbra overspread *Tycho*.

At 6 Min. after 7, the Umbra approached the lower Part of *Mare Humorum*, and *Tycho* immersed into the Umbra.

At 21 Min. after 7, *Mare Humorum* totally immersed into the Umbra.

At 41 Min. after 7, the lower Part of *Mare Nectaris* immersed into the Umbra.

At 57 Min. after 7, the North-East Limb began to evolve itself; and that Part of the Limb below the Spot called *Grimaldus*, began to appear brighter, than when the Penumbra covered it.

At 9 Min. after 8, the upper Part of *Mare Humorum* emerged from the Umbra.

At 21 Min. after 8, *Mare Humorum* totally emerged.

At 45 Min. $\frac{1}{2}$ after 8, *Tycho* emerged from the Umbra.

At 51 Min. $\frac{1}{4}$ after 8, the Penumbra left *Tycho*.

At

At 54 Min. $\frac{1}{2}$ after 8, *Mare Neētaris* emerged from the Umbra.

At 9, the Penumbra left *Mare Neētaris*.

At 4 Min. $\frac{3}{4}$ after 9, *Mare Fecunditatis* emerged from the Umbra.

At 16 Min. after 9, the Umbra left the Moon a little below *Mare Fecunditatis*.

At 18 Min. after 9, the Penumbra went off, and the Eclipse ended.

At the Time of the greatest Obscuration, the Edge of the Umbra passed below *Grimaldus*; approached the lower Part of *Peninsula Fulgurum*; passed over the upper Part of *Mare Neētaris*, and crossed about the Middle of *Mare Fecunditatis*. The Edge of the Umbra did not seem to make one regular Curve, but looked like two Curves, meeting in a very obtuse Angle near *Peninsula Fulgurum*. And that Part of the Moon, immerfed in the Umbra, was not visible.