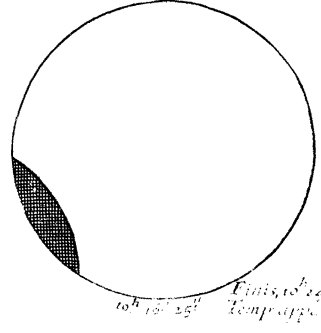
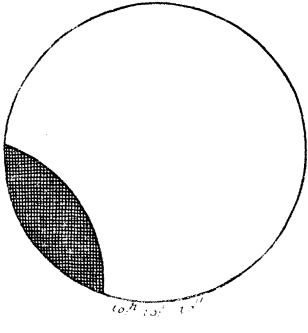
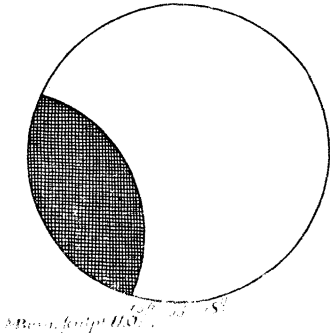
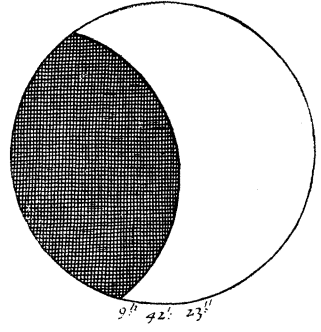
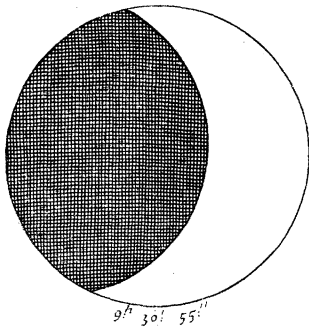
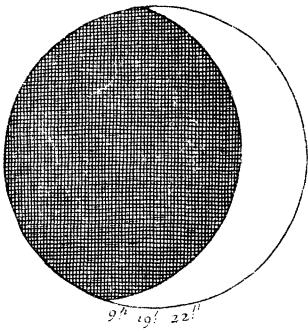
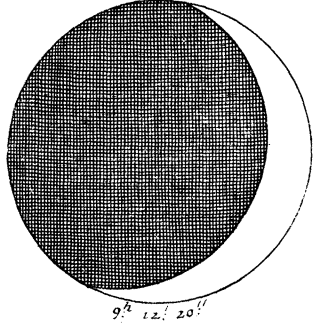
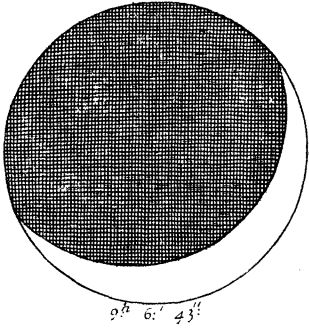
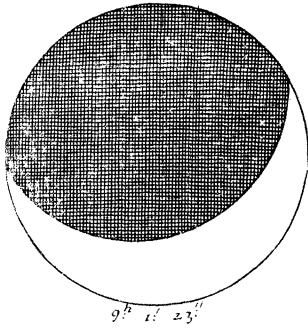
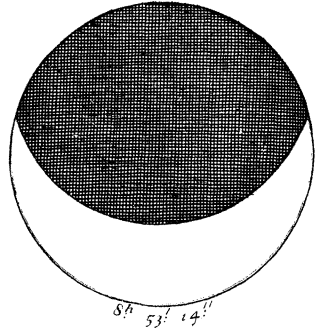
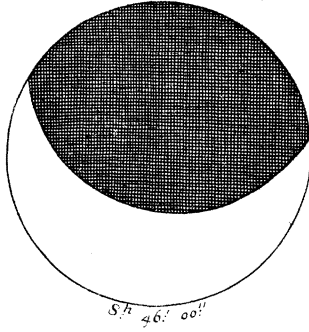
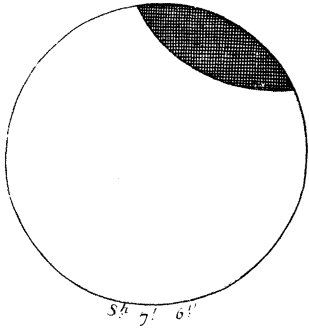


SCHEMA

Phil. Trans. N.º 290.

Phasium SOLIS Deficientis
An. 1699. Septembris 13. Stilo Italiano A.M. OXONIAE, Observatarum
a Davide Gregorio M.D. Astronomiae Professore Saviliano & S. R. S.



Finis 1699
Temporibus



All Day cloudy and dark, the Gale freshning and veering to *East-North-East*, the Mercury rising to $29\frac{11}{16}$.

☾. 31st. Gray cloudy Weather all Day, with a fresh Gale at *North-East*; in the Evening some Rain blowing fresh all Night.

JANUARY.

☉. 1st. Variable Weather with small Gales at *North-East*.

☾. 2d. Rainy thick Weather all Day and Night with little Wind at *North-East*.

♁. 3d. Continual thick rainy Weather all Day and Night, the Wind at *North-East*.

♃. 4th. Fair Weather somewhat close, and calm all Day and Night.

♄. 5th. Close Weather with some Rain and Calm this Forenoon; and in the Afternoon a small Brize at *west-North-west*. Departed from Emüy.

V. *Part of a Letter from Dr. David Gregory, to Dr. Sloane, dated Oxford, October 12. 1699. containing his observations of the Eclipse of the Sun on the 13th of September last.*

I Send you a Scheme of the Phases of the late Eclipse of the Sun, (*see the Table*) as I observ'd them. I did not see the beginning of it: But the end happened here, precisely Twenty four Minutes and Nine seconds after Ten a Clock in the Morning, apparent Time, and all the Times marked in the Figure are such: The greatest Observation, which was Ten Digits and a Quarter, was about Seven Minutes after

ter Nine. The Scheme shews the rest of the Phases.

Of the Origin of white Vitriol and the Figure of its Crystals, not yet accounted for, by Dr. Martin Lister, F. R. S.

AMongst the *Desiderata*, relating to *Fossil Salts*, the Origin that I know of *white Vitriol* is obscure, and its Crystals undescribed.

All I can find of this matter is out of *Borrichius de Docimaſtice metallica*, that it is produced from a certain Lead Ore, boiled raw. (*Plumbi nigri vena vitriolum album producit, etiam non cremata*) none, that I know of, of our English Lead Ores gives us any ſuſpicion of any ſuch Vitriol. It is true, I have by me ſome Sorts of *white Lead Ore Spar-like*, plentifully yielding Lead: But I cannot ſay that either thoſe or any coloured Lead Ores, did give me any reaſon to ſuſpect, after diverſe experiments upon them, that yielded white Vitriol.

As to the Crystals of white Vitriol, they are very difficult to deſcribe, and ſeem to me to be a congeries of infinite ſmall Needles, for which reaſon it is of a moſt ſpeedy Operation, and irritates the Stomach ſuddenly, before they can be well diſſolved or broken.

I recommend the inquiry of both theſe particulars concerning white Vitriol, to the Industry and Diligence of the Curious.