An account of the Eclipſes *or* ingreſſes *of* Jupiters Satellits *into his ſhadow and ſuch* Emerſions *of them from it as will be viſible at the* Obſervatory *at* Greenwich *in the three laſt Months of this year* 1683. *ſent in a Letter to the* Publiſher *from J. F.* Aſtron. Reg.

SIR,

I Here ſend you an account of the *Eclipſes* or *Ingreſſes* of *Jupiters Satellits* into his ſhadow, and ſuch emerſions of them from it as will be viſible at the *Obſervatory* in the three laſt moneths of this year; they are calculated from *new Tables* I made this laſt ſummer, and I hope ſo exactly that the *Ingreſſes* of the firſt will ſeldom be found when obſerved, to differ above 5 minutes from the time ſtated, the 3 but little more; the *Eclipſes* of the fourth and ſecond I dare not promiſe you ſhall agree ſo well, for I find their *motions* evidently intangled with inequalitys, which it will require a long time and many more accurate *obſervations* to determine and limit, then I have yet obtained: theſe *Eclipſes* have been eſteemed, and certainly are a much better expedient for the diſcovery of the *Longitude* then any yet known, by reaſon that they happen frequently, and are eaſily obſerveable with a *Teleſcope* of 12. foot, or for need with one of 8. Theſe *Ingreſſes* (and *emerſions* alſo if viſible) from the time till the opoſition of the ☉ and ♃ happen truely on the right hand or in *antecedence* of the *planet*, but if they ſhall be obſerved with *Teleſcopes* of only two *Convex glaſſes* which invert the object, they appear on the contrary or left ſide of him. If theſe find acceptance with our ingenious friends the *Eclipſes* of the next year ſhall be imparted early enough to be publiſhed in the *December Tranſactions*. I am

SIR,

yours, *&c.*

J. FLAMSTEED.

Obſervatory Sept. 22. 1683.

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