

An account of the Eclipses or ingresses of Jupiters Satellits into his shadow and such Emerisions 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.

S I R,

I Here send you an account of the *Eclipses* or *Ingresses* of *Jupiters Satellits* into his shadow, and such *emerisions* 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 inequalities, 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 *emerisions* also if visible) from the time till the opposition of the ☉ and ♃ happen truly 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

S I R,

yours, &c.

J. FLAMSTEED.

Observatory Sept. 22. 1683.

The

The Ingresses of Ψ Satellites into his Shadow and Emerfions of the third and fourth from it, visible at the Observatory in the months of October November and December, 1683.

	h	'	
October 9.	Ingress	of the 1.	at 2. 50. Morn.
15.	Ing.	of the 4.	at 7. 15.
16.	Ing.	1.	at 4. 43.
18.	Ing.	2.	at 3. 17.
23.	Ing.	1.	at 6. 37.
25.	Ing.	2.	at 5. 51.
31.	Emerfion	of the 3.	at 3. 42.
Novem. 1.	Ingr.	of the 4.	at 1. 10.
		the 1.	at 2. 59.
	Emer.	of the 4.	at 4. 52.
7.	Ingr.	of the 3.	at 4. 10.
	Emerf.	of the 3.	at 7. 38.
8.	Ingr.	of the 1.	at 4. 49.
14.	Ingr.	of the 3.	at 8. 05.
15.	Ingr.	of the 1.	at 6. 40.
17.		of the 1.	at 1. 09.
19.		of the 2.	at 2. 44.
22.		of the 1.	at 8. 32.
24.		of the 2.	at 3. 00.
26.		of the 2.	at 5. 22.
Decem. the 1.	Ingr.	of the 1.	at 4. 50. Morn.
2.		of the 1.	at 11. 16. A. Noo.
3.		of the 2.	at 7. 47. Morn.
8.		of the 1.	at 6. 38. Morn.
10.		of the 1.	at 1. 06. Morn.
12.		of the 3.	at 11. 42. A. Noo.
13.	and Emerf.		at 3. 40. Morn.
13.	Ingr.	of the 2.	at 11. 32. A. Noo.
17.		of the 1.	at 2. 55. Morn.
20.	Ingres.	of the 3.	at 3. 34. Morn.
	and Emerf.		at 7. 00. Morn.
21.	Ingres.	of the 2.	at 2. 05. Morn.
		of the 4.	at 6. 35. Morn.
24.	Ingres.	of the 1.	at 4. 46. Morn.
25.		the 1.	at 11. 14. A. Noo.
28.		the 2.	at 4. 35. Morn.
31.		the 1.	at 6. 36. Morn.