

IV. *A Collection of the Observations made on the Eclipse of the Moon, on March 15. 1735-6. which were communicated to the Royal Society.*

1. Eclipse of the Moon, observed by Mr. Geo. Graham in Fleetstreet, March 15. 1735-6.

H.	M.	S.	
10	13	00	The Beginning.
11	11	00	The total Immerfion.
12	49	00	The Emerfion.
13	47	00	The End.

2. *Dr. Halley at Greenwich observed,*

	H.	M.	S.
The Beginning	10	13	37
The Immerfion	11	09	42

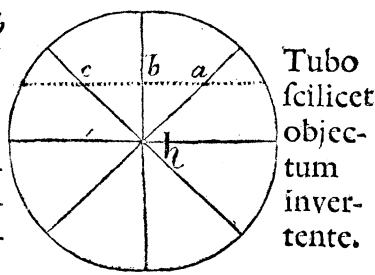
3. *Ob*

3. *Observations on the Lunar Eclipse of March 15. 1735-6. made at Mr. Graham's House in Fleet-street, by Mr. Celfius, F. R. S. with a reflecting Telescope of eleven Inches, magnifying Sixty-three times, and made at Edinburgh.*

H.	M.	S.	
10	22	05	The Shade on the Middle of <i>Kepler</i> .
	23	15	Entering the <i>Mare Humorum</i> .
	28	16	Entering on <i>Copernicus</i> .
	29	34	—— the Middle of <i>Copernicus</i> .
	30	26	<i>Copernicus</i> entire.
	33	28	Enters on <i>Timocharis</i> .
	38	44	Enters on <i>Tycho</i> .
	39	12	The Middle of <i>Tycho</i> .
	40	48	<i>Tycho</i> entire.
	46	00	Enters on <i>Menelaus</i> .
	49	20	<i>Plinius</i> .
11	00	40	Enters on <i>Mare Crisium</i> .
	5	36	<i>Mare Crisium</i> entire.
	9	17	The total Immerfion is about to begin.
13	13	55	<i>Tycho</i> is emerged out of the Shade.
	29	00	<i>Mare Serenitatis</i> is totally emerged.
	40	45	<i>Mare Crisium</i> is totally emerged.
	45	50	The Eclipse is nearly ended.
	46	12	The Eclipse is certainly ended.

4. *Observationes habitæ in Covent-Garden, Idibus Martiis 1735.6. S. V. per D. Bevis, M. D.*

Tempus	Ver.	P. M.	
6	53	47	Saturnus in puncto decussationis filorum micrometri.
7	31	05	Hyadum primus ad δ filum <i>a</i> transit.
7	31	50	---filum horarium <i>b</i> transit.
7	32	35	---filum <i>c</i> transit.
7	42	39	Saturnus iterum in filorum concursu.
8	19	57 $\frac{1}{2}$	Hyadum primus ad δ filum <i>a</i> transit.
8	20	42 $\frac{1}{2}$	<i>b</i> transit.
8	21	27 $\frac{1}{2}$	<i>c</i> transit.
9	50	00	Discus Lunaris horarium filum percurrit 139 minutis secundis horariis.
9	56	00	Iterum 139''.
10	01	00	Iterumque 139''.
10	09	40	Penumbra tenuis Lunam propè Hevelium obnubilare videtur.
10	10	20	Jam valdè sensibilis.
10	11	40	Initium defectûs pono.
10	14	38	Limes umbræ, quantum censeo, per Grimaldum & Cavalerium transit.
10	19	46	Per Ariftarchum.
10	24	15	Umbra Mare Humororum ingreditur.
10	32	44	Sinum Roris tegit.



Tem- pus.	Ver.	P. M.	
10	32	44	Luna per Nubes vix cernitur.
10	40	18	Tychonem umbra dividit.
10	42	26	Mare Serenitatis attingit.
10	46	01	Menelaum tangit.
			Nubes atra supervenit.
10	53	46	Discedente Nube totum Mare Nectaris tectum deprehenditur.
			Densissimæ Nubes Lunam iterum adi- munt.
11	00	56	Umbra Mare Crisium tangit.
11	05	48	Immerguntur Mare Crisium & Mare foecundum.
11	10	00	Totalis Lunæ in Umbram Immerfio.
12	42	20	Clarefcit jam Limbus Lunæ orientalis.
12	46	05	Fit clatior adhuc.
12	47	56	Filamentum sinceræ Lucis quasi ictu oculi restituitur.
			Nubeculæ plurimæ fugaces.
12	57	05	Limes Luminis attingit Mare Humo- rum.
13	04	03	Totum Humorum Mare recuperatur.
13	13	40	Semitegitur Tycho.
13	14	00	Retegitur totus.
13	17	22	Waltherus emergit.
			Multa Nubium caligo diu, uti vide- tur, duratura.
13	43	44	Mare foecundum extra umbram cer- nitur.
13	46	25	Umbra vera desinit.
13	48	30	Umbra notha non amplius sensibilis.

In hiſce obſervandis Horologio bonæ notæ pluribus retro diebus, etiamque hac ipſâ die, per quinque ſolis altitudines correfpondentes debitâ proſtaphæreſi correctas exacto, Tuboque optico ſex pedes longo utebar. Circa medium obſcurationis Luna quaſi per Nubeꝝculum ſubfuſcam conſpiciebatur, ad margines autem candentis inſtar ferri rubebat. Terminus Lucis & Umbræ per totum Eclipſin haud probè definiēbatur.

5. *Observations of the Moon's Eclipse, March 15. 1735-6. at Yeovil in Somerſetſhire, Latitude 50 Degrees 52 Minutes, by Mr. John Milner, communicated by John Allen, M. D. F. R. S.*

N. B. The Clock was firſt adjusted by the Equation-Table.

	H.	M.	S.	D.	M.
The Beginning	10	6			
The <i>Moon's</i> Altitude then				34	29
The Beginning of total Observation }	11	4	30		
The Altitude then was The Middle	11	54		34	16
The End of total Obſcu- ration }	12	43	30		
The Altitude then was				34	47
The End	1	39	15		
The Altitude then was				31	47
The Continuation of the total Obſcuration was }	1	39	0		
The Duration of the whole Eclipse }	3	33	15		

V. In-