

series given, the even powers of x , or any other terms whatever, be wanting, their places must be supplied with cyphers; which, in order the of numbering off, must be reckoned as real terms.

CIV. *Observatio Eclipsis Lunæ Die 30 Julii 1757. habita Oliffipone à Joanne Chevalier, Congregationis Oratorii Presbytero, è Regia Londinensi Societate. Communicated by Jacob de Castro Sarmiento, M D F. R. S.*

Tube optico 8 pedum.

	h	'	''
Read Nov. 16. I nitium penumbrae —	9	15	18
^{1758.} I nitium dubium eclipsis	9	22	24
Certo jam incœperat — —	9	23	34
Umbra ad mare humorum observata } vitro plano cœruleo — —	9	31	2
Solo tubo optico observata — —	9	31	29
Vitro flavo observata — —	9	31	48
Umbra tangit Grimaldum observata } vitro plano cœruleo — —	9	31	20
Solo tubo optico — — —	9	31	50
Vitro plano flavo — — —	9	32	8
Totus Grimaldus tegitur observatus } vitro plano cœruleo — —	9	34	4
Solo tubo optico — — —	9	34	28
Vitro flavo — — —	9	34	47
VOL. 50. 5 F			Umbra

	h	'	"
Umbra ad Tychonem observata vitro } plano cæruleo — — —	9	38	25
Solo tubo optico — — —	9	38	42
Vitro flavo — — —	9	38	59
Umbra ad Harpalum vitro cæruleo } observata — — —	9	55	6
Solo tubo optico — — —	9	55	35
Umbra ad Fracastorium — — —	9	59	57
Umbra ad Mare Nectaris — — —	10	00	50
Observata vitro flavo — — —	10	1	8
Umbra ad Dionysium — — —	10	5	2
Umbra tangit Mare Tranquillitatis — — —	10	5	50
Umbra ad Mare Serenitatis — — —	10	10	16
Umbra tegit Menelaum observata vi- } tro cæruleo — — —	10	11	4
Solo tubo optico — — —	10	11	29
Vitro flavo — — —	10	11	50
Totum Mare Fœcunditatis tegitur — — —	10	18	39
Umbra tangit Mare Crisium vitro cæ- } ruleo observata — — —	10	22	52
Solo tubo optico — — —	10	23	12
Vitro flavo — — —	10	23	29
Umbra ad Proclum — — —	10	23	33
Possidonius totus tegitur — — —	10	23	50
Totum Mare Serenitatis tegitur — — —	10	24	36
Totum Mare Crisium ab umbra tegitur — — —	10	30	27
Plato tegitur vitro cæruleo observatus — — —	10	31	26
Solo tubo optico — — —	10	31	48
Vitro flavo — — —	10	32	4
Obscuratio maxima — — —	10	55	40

EMERSIONES.

	h	7	77
Plato emergit observatus vitro flavo	11	19	5
Solo tubo optico —————	11	19	31
Vitro cæruleo ——— ——— ———	11	19	50
Aristarchus emergit ——— ———	11	21	3
Gassendus incepit emergere observatus } vitro flavo ——— ———	11	25	36
Observatus solo tubo optico ———	11	25	52
Observatus vitro cæruleo ——— ———	11	26	11
Gassendus totus extra umbram ———	11	28	2
Schicardus incipit emergere ———	11	45	44
Totus extra umbram ——— ———	11	47	10
Totum Mare Humororum extra umbram	11	46	50
Menelaus extra umbram ———	11	55	36
Mare Serenitatis extra umbram ———	11	59	46
Tycho extra umbra observatus vitro flavo	12	00	33
Solo tubo optico ——— ———	12	00	52
Vitro cæruleo ——— ———	12	1	14
Incipit emergere Mare Crisium ———	12	8	31
Totum Mare Crisium extra umbram	12	16	28
Finis eclipsis ——— ——— ———	12	28	26

Observatio hæc peracta é cælo claro ; umbra autem terræ ita diluta erat, ut maculæ in ea conditæ fatis dignoscerentur.