

Math. Qu

159





Math. Qu.

159.

OBSERVATIONES  
ASTRONOMICÆ

ANNI 1764. & 1765.

IN OBSERVATORIO  
COLLEGII ACADEMICI  
SOCIETATIS JESU

TYRNAVIÆ IN HUNGARIA

HABITÆ

A FRANCISCO WEISS. E S. J.



TYRNAVIÆ,

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TYPIS COLLEGII ACADEMICI SOCIETATIS JESU,  
ANNO UT SUPRA.



ASTRONOMICA  
OBSERVATIONES

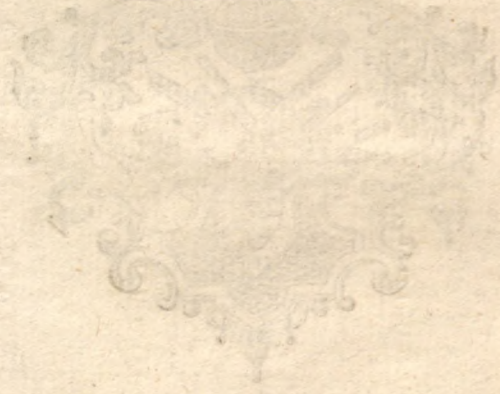
ANNO 1764 & 1765

IN OBSERVATORIO  
COLLEGII ACADEMICI  
SOCIETATIS JESU

TYRNAVIA IN HUNGARIA  
HABITA

A FRANCISCO WILHELMO

M. ACADEMIA  
KÖNYVTÁRA



TYRNAVIA

TYRNAVIA ACADEMICI SOCIETATIS JESU  
ANNO 1764 & 1765





# ECLIPSIS LUNÆ PARTIALIS

DIE 17. MARTII 1764.

Hæc observatio instituta est tubo 5 pedum dioptrico, micrometro filari instructo. Cælum erat serenum & aër tranquillus.

Tem- pus.			Ve- rum		<i>IMMERSIONES.</i>										Partes ob- scuratæ Lunæ in digitis & minutis.	
H	M	S.	Initium certum										D.	M.		
11	50	42	-	-	-	-	-	-	-	-	-	-	-	1	30	
	57	59	-	-	-	-	-	-	-	-	-	-	-	1	54	
12	0	56	-	-	-	-	-	-	-	-	-	-	-	2	15	
	2	32	-	-	-	-	-	-	-	-	-	-	-	2	33	
	5	5	-	-	-	-	-	-	-	-	-	-	-	2	44	
	6	7	-	-	-	-	-	-	-	-	-	-	-	3	5	
	8	52	-	-	-	-	-	-	-	-	-	-	-	3	19	
	10	37	-	-	-	-	-	-	-	-	-	-	-	3	30	
	12	42	-	-	-	-	-	-	-	-	-	-	-	3	46	
	14	12	-	-	-	-	-	-	-	-	-	-	-	3	52	
	15	18	-	-	-	-	-	-	-	-	-	-	-	4	8	
	17	28	-	-	-	-	-	-	-	-	-	-	-	4	23	
	18	34	-	-	-	-	-	-	-	-	-	-	-	4	49	
	22	3	-	-	-	-	-	-	-	-	-	-	-	4	54	
	22	53	-	-	-	-	-	-	-	-	-	-	-	5	20	
	25	32	-	-	-	-	-	-	-	-	-	-	-	5	29	
	26	35	-	-	-	-	-	-	-	-	-	-	-	5	47	
	29	59	-	-	-	-	-	-	-	-	-	-	-	6	15	
	33	1	-	-	-	-	-	-	-	-	-	-	-	6	40	
	38	17	-	-	-	-	-	-	-	-	-	-	-	6	49	
	39	19	-	-	-	-	-	-	-	-	-	-	-	6		

Tem- pus. H	Ve- rum							Partes ob- scurate Luna in digitis & minutis.	
	M. S.							D.	M.
	43 18	-	-	-	-	-	-	7	16
	52 5	-	-	-	-	-	-	7	48
	54 33	-	-	-	-	-	-	7	55
83	2 7	-	-	-	-	-	-	8	21
	13 38	-	-	-	-	-	-	8	28

EMERSIONES.

83	25 31	-	-	-	-	-	-	8	16
	28 39	-	-	-	-	-	-	8	10
	31 34	-	-	-	-	-	-	8	0
	34 30	-	-	-	-	-	-	7	51
	40 27	-	-	-	-	-	-	7	21
	46 43	-	-	-	-	-	-	6	54
	48 54	-	-	-	-	-	-	6	44
	50 21	-	-	-	-	-	-	6	32
	51 54	-	-	-	-	-	-	6	18
	53 2	-	-	-	-	-	-	6	11
	56 24	-	-	-	-	-	-	5	58
	59 42	-	-	-	-	-	-	5	33
84	1 24	-	-	-	-	-	-	5	21
	3 29	-	-	-	-	-	-	5	6
	4 55	-	-	-	-	-	-	4	54
	8 4	-	-	-	-	-	-	4	35
	9 37	-	-	-	-	-	-	4	18
	12 34	-	-	-	-	-	-	3	49
	15 28	-	-	-	-	-	-	3	30
	16 57	-	-	-	-	-	-	3	23
	18 18	-	-	-	-	-	-	3	3
	20 12	-	-	-	-	-	-	2	47
	21 45	-	-	-	-	-	-	2	34
	22 55	-	-	-	-	-	-	2	22
	25 9	-	-	-	-	-	-	2	19
	27 51	-	-	-	-	-	-	1	30
	35 9	Finis dubius.							
	35 25	Finis certus.							

Phases



Phases hujus Eclipseos reductæ ad digitos integros & dimidios.

Tem- pus.			Ve- rum			<i>IMMERSIONES.</i>						Partes ob- scuratæ Lunæ in digitis & minutis.	
H.	M.	S.										D.	M.
11	57	59	-	-	-	-	-	-	-	-	-	1	30
12	1	22	-	-	-	-	-	-	-	-	-	2	0
	4	39	-	-	-	-	-	-	-	-	-	2	30
	8	13	-	-	-	-	-	-	-	-	-	3	0
	12	42	-	-	-	-	-	-	-	-	-	3	30
	16	23	-	-	-	-	-	-	-	-	-	4	0
	19	29	-	-	-	-	-	-	-	-	-	4	30
	23	30	-	-	-	-	-	-	-	-	-	5	0
	26	46	-	-	-	-	-	-	-	-	-	5	30
	31	13	-	-	-	-	-	-	-	-	-	6	0
	36	13	-	-	-	-	-	-	-	-	-	6	30
	40	56	-	-	-	-	-	-	-	-	-	7	0
	47	8	-	-	-	-	-	-	-	-	-	7	30
	56	0	-	-	-	-	-	-	-	-	-	8	0
<i>EMERSIONES.</i>													
13	31	34	-	-	-	-	-	-	-	-	-	8	0
	38	40	-	-	-	-	-	-	-	-	-	7	30
	45	20	-	-	-	-	-	-	-	-	-	7	0
	50	36	-	-	-	-	-	-	-	-	-	6	30
	55	53	-	-	-	-	-	-	-	-	-	6	0
14	0	8	-	-	-	-	-	-	-	-	-	5	30
	4	12	-	-	-	-	-	-	-	-	-	5	0
	8	31	-	-	-	-	-	-	-	-	-	4	30
	11	27	-	-	-	-	-	-	-	-	-	4	0
	15	28	-	-	-	-	-	-	-	-	-	3	30
	18	39	-	-	-	-	-	-	-	-	-	3	0
	22	9	-	-	-	-	-	-	-	-	-	2	30
	26	12	-	-	-	-	-	-	-	-	-	2	0
	27	51	-	-	-	-	-	-	-	-	-	1	30

Eclipsis ☉ die Astr. 31. Martii & 1. Aprilis 1764. observata  
 eodem tubo 5 pedum dioptrico.

Tem- pus		Ve- rum		IMMERSIONES.						Digiti obscurati.	
H	M	S.		Initium.						D.	M.
22	29	14									
	33	8								0	28
	35	3								0	55
	36	28								1	10
	38	17								1	15
	40	20								1	33
	43	9								1	51
	44	8								1	58
	45	5								2	4
	47	43								2	24
	48	56								2	35
	51	8								2	47
	54	27								3	12
	55	45								3	19
	58	8								3	30
23	1	33								3	56
	3	58								4	16
	5	4								4	21
	7	23								4	41
	8	54								4	50
	9	52								4	56
	10	58								5	5
	13	22								5	24
	15	26								5	36
	16	54								5	46
	18	30								5	56
	21	37								6	12
	23	1								6	27
	25	12								6	41
	26	27								6	49
	28	15								6	56
	29	48								7	7
	31	45								7	21
	35	48								7	40
	37	33								7	48
	38	58								7	52
	40	57								8	10
	44	9								8	21
	50	30								8	40
	52	18								8	46
	54	52								8	51
	58	12								8	55



Tem- pus		Ve- rum	D I E r. A P R I L I S.				Digiti obscurati.	
H	M	S.	E M E R S I O N E S.				D.	M.
0	4	40	-	-	-	-	8	45
	10	30	-	-	-	-	8	25
	11	56	-	-	-	-	8	21
	13	37	-	-	-	-	8	15
	14	22	-	-	-	-	8	10
	17	6	-	-	-	-	7	56
	18	29	-	-	-	-	7	52
	20	53	-	-	-	-	7	45
	24	17	-	-	-	-	7	20
	25	19	-	-	-	-	7	17
	26	16	-	-	-	-	7	11
	29	21	-	-	-	-	6	51
	30	41	-	-	-	-	6	41
	31	58	-	-	-	-	6	34
	34	53	-	-	-	-	6	19
	35	55	-	-	-	-	6	11
	38	34	-	-	-	-	5	58
	39	44	-	-	-	-	5	46
	40	59	-	-	-	-	5	36
	42	33	-	-	-	-	5	26
	43	40	-	-	-	-	5	24
	44	49	-	-	-	-	5	13
	45	54	-	-	-	-	5	5
	46	41	-	-	-	-	4	57
	49	39	-	-	-	-	4	36
	51	53	-	-	-	-	4	22
	54	19	-	-	-	-	4	10
	56	18	-	-	-	-	3	52
	59	6	-	-	-	-	3	35
1	0	39	-	-	-	-	3	21
	2	0	-	-	-	-	3	11
	5	35	-	-	-	-	2	50
	8	25	-	-	-	-	2	31
	9	50	-	-	-	-	2	21
	11	25	-	-	-	-	2	8
	12	46	-	-	-	-	2	0
	13	59	-	-	-	-	1	55
	15	50	-	-	-	-	1	37
	17	0	-	-	-	-	1	30
	18	47	-	-	-	-	1	15
	21	50	-	-	-	-	0	55
	23	8	-	-	-	-	0	41
	29	22	-	-	-	-		

Finis.

Digiti reducti ad integros & dimidics.

Tempus		Verum	DIE ASTRO. 31. MARTII.						Digiti obfcurati.	
H	M	S.							D.	M.
22	33	17	-	-	-	-	-	-	0	30
	35	31	-	-	-	-	-	-	1	0
	39	59	-	-	-	-	-	-	1	30
	44	45	-	-	-	-	-	-	2	0
	48	22	-	-	-	-	-	-	2	30
	52	47	-	-	-	-	-	-	3	0
	58	8	-	-	-	-	-	-	3	30
23	2	2	-	-	-	-	-	-	4	0
	6	3	-	-	-	-	-	-	4	30
	10	21	-	-	-	-	-	-	5	0
	14	24	-	-	-	-	-	-	5	30
	19	17	-	-	-	-	-	-	6	0
	23	29	-	-	-	-	-	-	6	30
	28	49	-	-	-	-	-	-	7	0
	33	40	-	-	-	-	-	-	7	30
	39	51	-	-	-	-	-	-	8	0
	47	9	-	-	-	-	-	-	8	30
EMERSIONES.										
DIE 1. APRILIS.										
0	8	24	-	-	-	-	-	-	8	30
	16	19	-	-	-	-	-	-	8	0
	22	56	-	-	-	-	-	-	7	30
	27	58	-	-	-	-	-	-	7	0
	32	45	-	-	-	-	-	-	6	30
	37	32	-	-	-	-	-	-	6	0
	41	56	-	-	-	-	-	-	5	30
	46	22	-	-	-	-	-	-	5	0
	50	37	-	-	-	-	-	-	4	30
	55	16	-	-	-	-	-	-	4	0
	59	40	-	-	-	-	-	-	3	30
1	4	2	-	-	-	-	-	-	3	0
	8	34	-	-	-	-	-	-	2	30
	12	46	-	-	-	-	-	-	2	0
	17	0	-	-	-	-	-	-	1	30
	21	25	-	-	-	-	-	-	1	0
	24	9	-	-	-	-	-	-	0	30



# Transitus & occultationes nonnullarum Fixarum

a Luna.

DIE 15. APRILIS 1764.

Tem- pus	Ve- rum		Partes Centes.	Partes Circuli Maxim.
H	M	S.	Microm	M. S.
		Occultatio $\alpha$ $\eta\gamma$ a $\Delta$ .		
		Cælum erat obscuratum, ventus vehe- mens. Positiones per nubes rariores acceptæ sunt.		
		Fig. 1.		
		OBSERVATIO I.		
9	52	42		
	57	31		
		Limbus $\Delta$ occidentalis in horario $\alpha$ $\eta\gamma$ in eodem.		
		Distantia $\alpha$ $\eta\gamma$ a limbo $\Delta$ boreo austrum versus convers. 37 $\frac{1}{2}$ $\frac{1}{2}$ - -	3766	44 6
		Differentia temporis inter appulsus limbi $\Delta$ occidentalis & $\alpha$ $\eta\gamma$ ad horarium 4' 49"		
		OBSERVATIO II.		
10	1	37		
	6	12		
		Limbus $\Delta$ occid. in horario. $\alpha$ $\eta\gamma$ in eodem.		
		Distantia $\alpha$ $\eta\gamma$ a limbo $\Delta$ boreo austrum versus convers. 35 $\frac{1}{2}$ $\frac{1}{2}$ - -	3531	41 23
		Differentia temporis inter appulsus limbi $\Delta$ occidentalis & $\alpha$ $\eta\gamma$ ad horarium 4' 35"		
		OBSERVATIO III.		
10	8	6		
	12	30		
		Limbus $\Delta$ occid. in horario $\alpha$ $\eta\gamma$ in eodem.		
		Dist. $\alpha$ $\eta\gamma$ a limbo $\Delta$ boreo austrum versus convers. 33 $\frac{1}{2}$ $\frac{1}{2}$ - -	3337	39 5
		Differentia temporis inter appulsus limbi $\Delta$ occid. & $\alpha$ $\eta\gamma$ ad horar. 4' 24"		
		$\Delta$ nubes subit.		

Tem- pus	Ve- rum		Partes Centes.	Partes Circuli
H	M	S.	Microm.	Maximi.
10	58	39		
11	1	43		
			2055	24 4

### OBSERVATIO V.

11	3	35 $\frac{1}{2}$		
	6	32		
			1934	22 39

### OBSERVATIO VI.

11	9	50 $\frac{1}{2}$		
	12	38		
			1769	20 43

### OBSERVATIO VII.

11	28	50		
11	32	0		
			2873	33 39



Tem- pus H M	Ve- rum S.		Partes Centes. Microm.	Partes Circuli Maximi. M. S.
DIE 6. MAJI 1764				
D ad * II.				
Fig. II.				
OBSERVATIO I.				
8 28 33	53 $\frac{1}{4}$ 18	Limbus D occid. in horario. * II in eodem. Dist. * II a limbo D septentr. meridiem versus convers. 19 $\frac{1}{4}$ $\frac{3}{4}$ Differentia temporis inter appulsus limbi D occid. & * II ad horar. 4' 24 $\frac{1}{4}$ "	1908	22 21
OBSERVATIO II.				
8 36 40	49 $\frac{1}{2}$ 58 $\frac{1}{2}$	Limbus D occid. in horario. * II in eodem. Dist. * II a limbo D septentr. meridiem versus convers. 17 $\frac{1}{4}$ $\frac{3}{4}$ Differentia temporis inter appuls. limbi D occid. & * II ad horar. 4' 8 $\frac{1}{2}$ "	1792	20 39
OBSERVATIO III.				
8 46 50	21 11	Limbus C occid. in horario * II in eodem. Dist. * II a limbo D septentr. meridiem versus convers. 16 $\frac{1}{4}$ $\frac{3}{4}$ Differentia temporis inter appuls. limbi D occid. & * II ad horar. 3' 50"	1671	19 34
OBSERVATIO IV.				
8 52 56	34 11	Limbus D occid. in horario * II in eodem. Dist. * II a limbo D septentr. meridiem versus convers. 15 $\frac{1}{4}$ $\frac{3}{4}$ Differentia temporis inter appulsus limbi D occid. & * II ad horar. 3' 37"	1596	18 41

Tem- pu- rum	Ve- rum	OBSERVATIO V.		Partes Centes.	Partes Circuli
H	M	S.		Microm.	Maxim.
					M. S.
8	58	18½	Limbus D occid. in horar.		
9	1	44	* II in eodem.		
			Dist. * II a limbo D septentr. meridiem versus convers. 15 $\frac{1}{2}$ - - -	1508	17 40
			Differentia temporis inter appulsus limbi D occid. & * II ad horar 3' 25"½		
OBSERVATIO VI.					
9	3	52½	Limbus D occid. in horario.		
	7	7	* II in eodem.		
			Dist. * II a limbo D septentr. meridiem versus convers. 14 $\frac{1}{2}$ - - -	1449	16 58
			Differentia temporis inter appulsus limbi D occid. & * II ad horar. 3' 14"½		
OBSERVATIO VII.					
9	10	21½	Limbus D occid. in horario.		
	13	23	* II in eodem.		
			Dist. * II a limbo D septentr. meridiem versus convers. 13 $\frac{1}{2}$ - - -	1352	15 50
			Differentia temporis inter appuls. limbi D occid. & * II horar. 3' 1"½		
OBSERVATIO VIII.					
9	15	6½	Limbus D occid. in horario.		
	17	58	* II in eodem.		
			Dist. * II a Limbo D septentr. meridiem versus convers 12 $\frac{1}{2}$ - - -	1292	15 8
			Differentia temporis inter appuls. limbi D occid. & * II ad horar. 2' 51"½		
OBSERVATIO IX.					
9	21	43	Limbus D occid. in horario.		
	24	20½	* II in eodem.		
			Dist. * II a limbo D septentr. meridiem versus convers. 11 $\frac{1}{2}$ - - -	1198	14 2
			Differentia temporis inter appuls limbi D occid. & * II ad horar. 2' 37"½		



T E M P U S			O B S E R V A T I O X.			Partes Centes.	Partes Circuli Maximi.
H	M	S.				Microm.	M. S.
9	31	29	Immerſio $\times$ II ex parte limbi D obſcuro.				
9	34	0	Diameter D apparens convers. 26 $\mp$ $\frac{4}{5}$ "			2634	30 51
			Paſs illuminata convers. 7 $\mp$ $\frac{2}{3}$ "			759	8 53
			Revolutio Fixarum. 23 <sup>b</sup> 55' 46"				

D I E 15. M A J I 1764.

D ad  $\pi$  m

Fig. III.

O B S E R V A T I O I.

II	52	36 $\frac{1}{2}$	Limbus D orientalis in horario.				
	53	13	$\pi$ m in eodem.				
			Diſtant. $\pi$ m a limbo D auſtrali meridiem verſus convers. 7 $\mp$ $\frac{4}{5}$ "			764	8 57
			Differentia temporis inter appulſus limbi D orient. & $\pi$ m ad horar. 36 $\frac{1}{2}$ "				

O B S E R V A T I O II.

II	9	43	Limbus D orient. in horar.				
	9	47	$\pi$ m in eodem.				
			Diſt. $\pi$ m a limbo D auſtrali meridiem verſus convers. 4 $\mp$ $\frac{2}{3}$ "			454	5 19
			Differentia temporis inter appulſus limbi D orient. & $\pi$ m ad horar. 4"				

O B S E R V A T I O III.

II	13	5	$\pi$ m in horario.				
	13	7	Limbus D orientalis in eodem.				
			Diſtant. $\pi$ m a limbo D auſtrali meridiem verſus convers. 4 $\mp$ $\frac{2}{3}$ "			405	4 45
			Differentia temporis inter appulſus $\pi$ m & limbi D orientalis ad horarium 2"				

			OBSERVATIO IV.		Partes Centes. Microm.		Partes Circuli Maximi. M. S.	
Tem- pus	Ve- rum	S.						
H	M	S.						
12	16	15	$\pi$ m in horario.					
	16	23	Limbus $\text{D}$ orient. in eodem.					
			Dist. $\pi$ m a limbo $\text{D}$ australi meridiem ver- sus convers. 3 $\text{H}$ $\frac{4}{5}$ r		360		4 13	
			Differentia temporis inter appulsus limbi $\text{D}$ orientalis & $\pi$ m ad horar. 8"					

### OBSERVATIO V.

12	22	56	$\pi$ m in horario.					
	23	15	Limbus $\text{D}$ orient. in eodem.					
			Dist. $\pi$ m a limbo $\text{D}$ australi meridiem ver- sus convers. 2 $\text{H}$ $\frac{1}{2}$ r		247		2 54	
			Differentia temporis inter appulsus $\pi$ m & limbi $\text{D}$ orient. ad horarium. 19"					

### OBSERVATIO VI.

12	26	10	$\pi$ m in horario.					
	26	36	Limbus $\text{D}$ orient. in eodem.					
			Dist. $\pi$ m a limbo $\text{D}$ australi meridiem ver- sus convers. 1 $\text{H}$ $\frac{1}{2}$ r		189		2 13	
			Differentia temporis inter appulsus limbi $\text{D}$ orient. & $\pi$ m ad horar. 26"					

### OBSERVATIO VII.

12	43	49	Immersio $\pi$ m in parte illuminata $\text{D}$ tubo 4. ped. Newtoniano.					
12	50	0	Diameter $\text{D}$ apparens convers 28 $\text{H}$ $\frac{7}{8}$ r		280		33 37	
			Revolutio Fixarum erat 23 <sup>b</sup> 55' 42"					

DIE



Tem-  
pus  
H M S.

DIE 15. AUGUSTI 1764.

Partes  
Centes.  
Microm.

Partes  
Circuli  
Maximi.  
M. S.

☉ ad ☌.

Fig. IV.

OBSERVATIO I.

13 33 21 $\frac{1}{4}$  Limbus ☉ orientalis in horario.  
34 42 ☌ in eodem.  
Dist. ☌ a limbo ☉ boreo septentr. versus  
convers. 10.  $\mp$   $\frac{1}{2}$  $\frac{1}{2}$   
Differentia temporis inter appulsus limbi ☉  
orientalis & ☌ ad horarium 1' 20 $\frac{1}{2}$ "

1043

12 3

OBSERVATIO II.

13 39 37 Limbus ☉ orientalis in horario.  
40 51 ☌ in eodem.  
Dist. ☌ a limbo ☉ boreo septentr. versus  
convers. 8  $\mp$   $\frac{2}{3}$   
Differentia temporis inter appulsus limbi ☉  
orientalis & ☌ ad horar. 1' 14"

894

10 28 $\frac{1}{2}$

OBSERVATIO III.

13 59 19 Limbus ☉ orientalis in horario.  
14 0 9 $\frac{1}{2}$  ☌ in eodem.  
Dist. ☌ a limbo ☉ boreo septentr. versus  
convers. 4  $\mp$   $\frac{2}{3}$   
Differentia temporis inter appuls. limbi ☉  
orientalis & ☌ ad horar. 50 $\frac{1}{2}$ "

486

5 42

OBSERVATIO IV.

14 3 6 $\frac{1}{2}$  Limbus ☉ orient. in horario.  
3 54 ☌ in eodem.  
Dist. ☌ a limbo ☉ boreo septentr. versus  
convers. 4  $\mp$   $\frac{1}{2}$   
Differentia temporis inter appuls. limbi ☉  
orient. & ☌ ad horar. 47 $\frac{1}{2}$ "

411

4 49

Tem- pus			V. OBSERVATIO V.			Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.					
14	15	33	Limbus ☽ orient. in horario.				
	16	5 $\frac{1}{4}$	☿ in eodem.				
			Dist. ☿ a limbo ☽ boreo septentr. versus conver. 1 $\frac{1}{4}$ $\frac{1}{4}$ - - - - -			176	2 4
			Differentia temporis inter appuls. limbi ☽ orientalis & ☿ ad horar. 32 $\frac{1}{2}$ "				
OBSERVATIO VI.							
14	19	24	Limbus ☽ orientalis in horario.				
	19	53	☿ in eodem.				
			Dist. ☿ a limbo ☽ boreo septentr. versus $\frac{1}{4}$ $\frac{1}{4}$ - - - - -			84	0 59
			Differentia temporis inter appuls. limbi ☽ orientalis & ☿ ad horar. 29"				
OBSERVATIO VII.							
14	26	41 $\frac{1}{4}$	Limbus ☽ orient. in horario.				
	27	1	☿ in eodem.				
			Dist. ☿ a limbo ☽ boreo austrum versus $\frac{1}{4}$ $\frac{1}{4}$ - - - - -			75	0 53
			Differentia temporis inter appuls. limbi ☽ orient. & ☿ ad horar. 19 $\frac{1}{4}$ "				
OBSERVATIO VIII.							
14	30	11	Limbus ☽ orient. in horatio.				
	30	26	☿ in eodem.				
			Dist. ☿ a limbo ☽ boreo austrum versus convers. 1 $\frac{1}{4}$ $\frac{1}{4}$ - - - - -			151	1 46
			Differentia temporis inter appuls. limbi ☽ orientalis & ☿ ad horarium. 15"				
OBSERVATIO IX.							
14	33	40	Limbus ☽ orientalis in horatio.				
	33	52	☿ in eodem.				
			Dist. ☿ a limbo ☽ boreo austrum versus convers. 2 $\frac{1}{4}$ $\frac{1}{4}$ - - - - -			203	2 23
			Differentia temporis inter appuls. limbi ☽ orientalis & ☿ ad horarium 12"				



Tem- pus			Venus H M S.	OBSERVATIO X.		Partes Centes.	Partes Circuli Maxim.
H	M	S.		Microm.	M.	S.	
14	52	37		Oecultatio ☿ in parte illuminata Luna.			
14	58	0		Diameter ☽ apparens convers. 26 $\frac{1}{4}$ $\frac{3}{4}$ .	2607	30	32
				Pars ☽ lucida convers. 21 $\frac{1}{4}$ $\frac{1}{2}$ .	2140	25	4
				Ante emerfionem Luna nubes intravit.			
				Revolutio Fixarum erat. 23 <sup>b</sup> 55' 51"			

## DIE 8. JUNII 1765.

☽ ad ☿ ☿.

Fig. V.

### OBSERVATIO I.

14	7	21		Limbus ☽ orientalis in horario.			
	7	22		☿ ☿ in eodem.			
				Distantia ☿ ☿ a limbo ☽ boreo septentr. versus convers. 22 $\frac{1}{4}$ $\frac{3}{4}$ .	2264	26	31
				Differentia temporis inter appulfus limbi ☽ orientalis & ☿ ☿ ad horarium 1"			

### OBSERVATIO II.

14	11	35		☿ ☿ in horario.			
	11	40		Limbus ☽ orientalis in eodem.			
				Distantia ☿ ☿ a limbo ☽ boreo septentr. versus convers. 21 $\frac{1}{4}$ $\frac{3}{4}$ .	2175	25	28
				Differentia temporis inter appulfus ☿ ☿ & limbi ☽ orientalis ad horarium 5"			

### OBSERVATIO III.

14	19	7		☿ ☿ in horario.			
	19	22		Limbus ☽ orient. in eodem.			
				Dist. ☿ ☿ a limbo ☽ boreo septentr. versus convers. 20 $\frac{1}{4}$ $\frac{3}{4}$ .	2035	23	30
				Differentia temporis inter appulfus limbi ☽ orient. & ☿ ☿ ad horar. 15"			

Tem- pus			Ve- rum	OBSERVATIO IV.		Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.					
14	22	57 $\frac{1}{2}$		$\sigma$ $\approx$ in horario.			
	23	21		Limbus $\text{D}$ orient. in eodem.			
				Dist. $\sigma$ $\approx$ a limbo $\text{D}$ boreo septentr. versus conver. 19 $\text{H}$ $\frac{1}{2}$		1971	23 5
				Differentia temporis inter appulsus $\sigma$ $\approx$ & limbi $\text{D}$ orient. ad horarium 23 $\frac{1}{2}$			

### OBSERVATIO V.

14	26	38		$\sigma$ $\approx$ in horario.			
	27	8		Limbus $\text{D}$ orient. in eodem.			
				Dist. $\sigma$ $\approx$ a limbo $\text{D}$ boreo septentr. ver- sus convers. 18 $\text{H}$ $\frac{1}{2}$		1874	21 57
				Differentia temporis inter appulsus $\sigma$ $\approx$ & limbi $\text{D}$ orient. ad horar. 30"			

### OBSERVATIO VI.

14	41	47		$\sigma$ $\approx$ in horario.			
	42	41 $\frac{1}{2}$		Limbus $\text{D}$ orient. in eodem.			
				Dist. $\sigma$ $\approx$ a limbo $\text{D}$ boreo septentr. versus convers 15 $\text{H}$ $\frac{1}{2}$		1574	18 26
				Differentia temporis inter appul. $\sigma$ $\approx$ & limbi $\text{D}$ orient. ad horar. 54 $\frac{1}{2}$			

### OBSERVATIO VII.

14	44	31 $\frac{1}{2}$		$\sigma$ $\approx$ in horario.			
	45	30		Limbus $\text{D}$ orient. in eodem.			
				Dist. $\sigma$ $\approx$ a limbo $\text{D}$ boreo septentr. ver- sus convers. 15 $\text{H}$ $\frac{1}{2}$		1526	17 52
				Differentia temporis inter appuls. $\sigma$ $\approx$ & limbi $\text{D}$ orient. ad horar. 58 $\frac{1}{2}$			



Tempus	Ve- rum	OBSERVATIO VIII. O		Partes Centes.	Partes Circuli
H. M.	S.			Microm.	Maxim. M. S.
14 47	29	σ ☉ in horar.			
48	32	Limbus ☽ orient. in eodem.			
		Dist. σ ☉ a limbo ☽ boreo septentr. versus convers. 14 $\frac{1}{2}$ - - -		1463	17 8
		Differentia temporis inter appulsus σ ☉ & limbi ☽ orientalis ad horar. 1' 3"			

OBSERVATIO IX.

14 50	18	σ ☉ in horario.			
51	24	Limbus ☽ orient. in eodem.			
		Dist. σ ☉ a limbo ☽ boreo septentr. versus convers. 14 $\frac{1}{2}$ - - -		1404	16 27
		Differentia temporis inter appulsus σ ☉ & limbi ☽ orient. ad horar. 1' 6"			

OBSERVATIO X.

14 53	13	σ ☉ in horario.			
54	25	Limbus ☽ orient. in eodem.			
		Dist. σ ☉ a limbo ☽ boreo septentr. versus convers. 13 $\frac{1}{2}$ - - -		1351	15 49
		Differentia temporis inter appuls. σ ☉ & limbi ☽ orient. ad horar. 1' 12"			

OBSERVATIO XI.

14 56	17	σ ☉ in horario.			
57	33	Limbus ☽ orient. in eodem.			
		Dist. σ ☉ a limbo ☽ boreo septentr. versus convers. 12 $\frac{1}{2}$ - - -		1287	15 4
		Differentia temporis inter appuls. σ ☉ & limbi ☽ orient. ad horar. 1' 16"			

OBSERVATIO XII.

14 59	52	σ ☉ in horario.			
15 1	13	Limbus ☽ orient. in eodem.			
		Dist. σ ☉ a limbo ☽ boreo septentr. versus convers. 12 $\frac{1}{2}$ - - -		1222	14 18
		Differentia temporis inter appuls σ ☉ & limbi ☽ orient. ad horar. 1' 21"			

Tem- pus	Ve- rum		OBSERVATIO XIII.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.			
15	4	6 $\frac{1}{2}$	$\sigma$ $\equiv$ in horario.		
	5	34	Limbus $\curvearrowright$ orient. in eodem.		
			Dist. $\sigma$ $\equiv$ a limbo $\curvearrowright$ boreo septentr. versus convers. 11 $\mp$ $\frac{1}{2}$	1135	13 17
			Differentia temporis inter appulsus $\sigma$ $\equiv$ & limbi $\curvearrowright$ orient. ad horar. 1' 27 $\frac{1}{2}$ "		

### OBSERVATIO XIV.

15	7	19	$\sigma$ $\equiv$ in horario.		
	8	53	Limbus $\curvearrowright$ orient. in eodem.		
			Dist. $\sigma$ $\equiv$ a limbo $\curvearrowright$ boreo septentr. versus convers. 10 $\mp$ $\frac{1}{2}$	1060	12 25
			Differentia temporis inter appuls. $\sigma$ $\equiv$ & limbi $\curvearrowright$ orient. ad horar. 1' 34"		

### OBSERVATIO XV.

15	12	57	$\sigma$ $\equiv$ in horario.		
	14	37 $\frac{1}{2}$	Limbus $\curvearrowright$ orient. in eodem.		
			Distant. $\sigma$ $\equiv$ a limbo $\curvearrowright$ boreo septentr. versus convers. 9 $\mp$ $\frac{1}{2}$	960	11 14
			Differentia temporis inter appuls. $\sigma$ $\equiv$ & limbi $\curvearrowright$ orient. ad horar. 1' 40 $\frac{1}{2}$ "		

### OBSERVATIO XVI.

15	17	10	$\sigma$ $\equiv$ in horario.		
	18	57	Limbus $\curvearrowright$ orient. in eodem.		
			Distant. $\sigma$ $\equiv$ a limbo $\curvearrowright$ boreo septentr. versus convers. 8 $\mp$ $\frac{1}{2}$	870	10 11
			Differentia temporis inter appulsus $\sigma$ $\equiv$ & limbi $\curvearrowright$ orient. ad horar. 1' 47 $\frac{1}{2}$ "		



Tem pus	Ve- rum		Partes Centes. Microin.	Partes Circuli Maximi M. S.
15	20	31		
	22	24		
		<p>σ ☉ in horar.            Limbus ☽ orient. in eodem.            Dist. σ ☉ a limbo ☽ boreo septentr. ver-            sus convers. 7 + 2<math>\frac{1}{2}</math> - - - - - 794            Differentia temporis inter appulsus σ ☉ &amp;            limbi ☽ orient. ad horar. 1' 53"</p>	794	9 18

OBSERVATIO XVIII.

15	23	39		
	25	37		
		<p>σ ☉ in horario.            Limbus ☽ orientalis in eodem.            Distant. σ ☉ a limbo ☽ boreo septentr.            versus convers. 7 + 2<math>\frac{1}{2}</math> - - - - - 733            Differentia temporis inter appuls. σ ☉ &amp;            limbi ☽ orientalis ad horarium 1' 58"</p>	733	8 35
		<p>Revolutio Fixarum erat 23<sup>h</sup> 55' 44"</p>		

DIE 5. JULII 1765.

Occultatio ☉ ☉ a ☽

Fig. VI.

OBSERVATIO I.

II	7	47		
	8	57		
		<p>Limbus ☽ orientalis in horario.            ☉ ☉ in eodem.            Distant. ☉ ☉ a limbo ☽ septentr. boream            versus convers. 3 + 2<math>\frac{1}{2}</math> - - - - - 397            Differentia temporis inter appulsus limbi ☽            orient. &amp; ☉ ☉ ad horar. 1 10"</p>	397	4 39

OBSERVATIO II.

II	12	43		
	13	42		
		<p>Limbus ☽ orientalis in horario.            ☉ ☉ in eodem.            Dist. ☉ ☉ a limbo ☽ boreo septentr. versu            convers. 2 + 2<math>\frac{1}{2}</math> - - - - - 299            Differentia temporis inter appuls. limbi ☽            orientalis &amp; ☉ ☉ ad horar. 59"</p>	299	3 30

Tem- pus		Ve- rum	OBSERVATIO III.		Partes Centes.	Partes Circuli Maximi.
H.	M.	S.			Microm.	M. S.
II	17	39 $\frac{1}{2}$	Limbus ☽ orient. in horario.			
	18	31	☽ in eodem.			
			Dist. ☽ a limbo ☽ boreo septentr. versus conver. 2 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$		213	2 30
			Differentia temporis inter appuls. limbi ☽ orientalis & ☽ ad horar. 51 $\frac{1}{2}$			
OBSERVATIO IV.						
II	23	II	Limbus ☽ orientalis in horario.			
	23	52	☽ in eodem.			
			Dist. ☽ a limbo ☽ septentr. boream versus convers. 1 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$		118	1 23
			Differentia temporis inter appuls. limbi ☽ orientalis & ☽ ad horar. 41"			
OBSERVATIO V.						
II	26	48 $\frac{1}{2}$	Limbus ☽ orient. in horario.			
	27	24	☽ in eodem.			
			Dist. ☽ a limbo ☽ septentr. boream versus $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{2}$		31	0 22
			Differentia temporis inter appuls. limbi ☽ orient. & ☽ ad horar 35 $\frac{1}{2}$			
OBSERVATIO VI.						
II	33	II	Limbus ☽ orient. in horario.			
	33	34	☽ in eodem.			
			Dist. ☽ a limbo ☽ septentr. austrum ver- sus $\frac{7}{8}$ $\frac{1}{2}$ $\frac{1}{2}$		71	0 50
			Differentia temporis inter appuls. limbi ☽ orientalis & ☽ ad horarium. 23"			
OBSERVATIO VII.						
II	41	5	Limbus ☽ orientalis in horario.			
	41	14	☽ in eodem.			
			Dist. ☽ a limbo ☽ septentr. austrum ver- sus convers. 2 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$		215	2 31
			Differentia temporis inter appuls. limbi ☽ orientalis & ☽ ad horarium 9"			



Tempus			Observatio VIII.		Partes Centesimae	Partes Circuli Maximi
H	M	S.			Microm.	M. S.
11	43	32	Limbus ☽ orient. in horario.			
	43	37	☽ in eodem.			
			Dist. ☽ a limbo ☽ septentr. austrum versus convers. 2 $\mp$ $\frac{4}{5}$ "		263	3 5
			Differentia temporis inter appulsus limbi ☽ orientalis & ☽ ad horar. 5"			

### OBSERVATIO IX.

11	55	55	Immersio ☽ ex parte limbi illuminati ☽ tubo 4. ped. Newtoniano.			
13	5	51	Ejusdem immersio ex parte limbi obscuri Lunæ.			
13	18	0	Diameter ☽ apprensus convers. 27 $\mp$ $\frac{4}{5}$ "	2779	32 33	
			Pars illuminata convers. 26 $\mp$ $\frac{5}{8}$ "	2658	31 8	
			Revolutio Fixarum erat 23 <sup>b</sup> 55' 43"			

### DIE 12 JULII 1765.

Luna ad Plejades.

Cælum magnam partem nubibus coopertum fuit; e quibus Luna paulo ante emerfit.

Fig. VII.

### OBSERVATIO I.

13	37	43	g Plejadum a limbo ☽ illuminato occultatur. tubo 4. ped. New.			
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### OBSERVATIO II.

13	53	34	Limbus ☽ orient. in horario.			
	55	24	☽ Plejadum in eodem.			
			Dist. ☽ Plejadum a limbo ☽ boreo meridiem versus convers. 15 $\mp$ $\frac{1}{5}$ "	1547	18 7	
			Differentia temporis inter appulsus limbi ☽ orient. & ☽ Plejad. ad horarium. 1' 59"			

Tem- pus	Ve- rum		OBSERVATIO III.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
	M	S.			
H	58	29	Limbus ☽ orientalis in horario.		
13	0	9	☿ Plejad in eodem.		
14			Dist. ☿ Plejadum a limbo ☽ boreo meridiem versus convers. 16 $\frac{1}{2}$ ''	1637	19 10
			Differentia temporis inter appulsus limbi ☽ orientalis & ☿ Plejad. ad horar 1' 40''		
OBSERVATIO IV.					
14	5	49	Immersio e Plejadum sub discum ☽ in par- te illuminata.		
14	8	59	Immersio e Plejadum. tubo 4. pedum New- toniano.		
OBSERVATIO V.					
14	13	52	Limbus ☽ orientalis in horario.		
	15	0	☿ Plejadum in eodem.		
			Dist. ☿ Plejad. a limbo ☽ boreo meridiem versus convers. 18 $\frac{1}{2}$ ''	1871	21 55
			Differentia temporis inter appulsus limbi ☽ orientalis & ☿ Plejadum ad horar. 1' 8''		
OBSERVATIO VI.					
14	18	5 $\frac{1}{2}$	Limbus ☽ orientalis in horario.		
	19	5	☿ Plejadum in eodem.		
			Dist. ☿ Plejadum a limbo ☽ boreo austrum versus convers. 19 $\frac{1}{2}$ ''	1947	22 48
			Differentia temporis inter appuls. limbi ☽ orientalis & ☿ Plejadum ad horar. 59'' $\frac{1}{2}$		
OBSERVATIO VII.					
14	22	9 $\frac{1}{2}$	Limbus ☽ orient. in horario.		
	23	0 $\frac{1}{2}$	☿ Plejad. in eodem.		
			Dist. ☿ Plejadum a limbo ☽ boreo meridiem versus convers. 20 $\frac{1}{2}$ ''	2013	23 34
			Differentia temporis inter appuls. limbi ☽ orient. & ☿ Plejad. ad horar. 51''		



Tempus		Verum	OBSERVATIO VIII.		Partes Centes.	Partes Circuli Maxim.
H	M	S.			Microm	M. S.
14	25	41	Limbus $\Delta$ orientalis in horario.			
	26	24	$\eta$ Plejadum in eodem.			
			Distantia $\eta$ Plejadum a limbo $\Delta$ boream meridiam versus convers. $20^{\circ} 47'$		2073	24 16
			Differentia temporis inter appulsus limbi $\Delta$ orientalis & $\eta$ Plejadum ad horarium $43''$			

### OBSERVATIO IX.

14	31	57	Emergio g Plejadum ex parte obscura $\Delta$			
14	39	17	Emergio e Plejadum.			
			Post hanc observationem Luna nubes ingressa est.			
			Revolutio Fixarum erat. $23^h 55' 47''$			

DIE I. AUGUSTI 1765.

$\Delta$  ad  $\gamma$   $\zeta$ .

Fig. VIII.

### OBSERVATIO I.

9	42	24 $\frac{1}{2}$	Limbus $\Delta$ orientalis in horario.			
	44	13 $\frac{1}{2}$	$\gamma$ $\zeta$ in eodem.			
			Distantia $\gamma$ $\zeta$ a limbo $\Delta$ septentr. boream versus convers. $9^{\circ} 44'$		935	10 37
			Differentia temporis inter appulsus limbi $\Delta$ orientalis & $\gamma$ $\zeta$ ad horarium $1' 49''$			

### OBSERVATIO II.

9	49	32 $\frac{1}{2}$	Limbus $\Delta$ orient. in horario.			
	51	8	$\gamma$ $\zeta$ in eodem.			
			Dist. $\gamma$ $\zeta$ a limbo $\Delta$ septentr. boream versus convers. $8^{\circ} 47'$		820	9 36
			Differentia temporis inter appulsus limbi $\Delta$ orient. & $\gamma$ $\zeta$ ad horar. $1' 35''\frac{1}{2}$			

Tem- pus H M	Ve- rum S.	Luna nubes ingreditur, interea $\gamma$ $\delta$ occulta- tur; ante emersionem in sereno versatur.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
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OBSERVATIO III.

12	6 49	$\gamma$ $\delta$ ex parte $\delta$ obscura emergit.		
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E A D E M D I E.

$\delta$  ad  $\delta$   $\delta$ .

Fig. IX.

OBSERVATIO I.

12	52 58	Limbus $\delta$ orient. in horario.		
	56 24	$\delta$ $\delta$ in eodem.		
		Dist. $\delta$ $\delta$ a limbo $\delta$ septentr. boream ver- sus $3^{\circ} 58''$		
		Differentia temporis inter appulsus limbi $\delta$ orient. & $\delta$ $\delta$ ad horar. $3^{\circ} 26''$	35	24

OBSERVATIO II.

12	59 41	Limbus $\delta$ orient. in horario.		
13	2 57	$\delta$ $\delta$ in eodem.		
		Dist. $\delta$ $\delta$ a limbo $\delta$ septentr. meridiem versus convers. $1^{\circ}$		
		Differentia temporis inter appul. limbi $\delta$ orient. & $\delta$ $\delta$ ad horar. $3^{\circ} 16''$	100	10

OBSERVATIO III.

13	6 22 $\frac{1}{4}$	Limbus $\delta$ orient. in horario.		
	9 28	$\delta$ $\delta$ in eodem.		
		Dist. $\delta$ $\delta$ a limbo $\delta$ septentr. meridiem ver- sus convers. $2^{\circ} 45''$		
		Differentia temporis inter appuls. limbi $\delta$ orient. & $\delta$ $\delta$ ad horar. $3^{\circ} 5^{\circ} \frac{1}{4}$	246	53



Tempus			Ve. rum		OBSERVATIO IV.		Partes Centes.	Partes Circuli	
H	M	S.		S.			Microm.	Maximi.	
								M S.	
13	12	26			Limbus ☽ orient. in horario.				
	15	22			☽ ☾ in eodem.				
					Dist. ☽ ☾ a limbo ☽ septentr. meridiem ver-				
					sus convers. $3 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$		372	4 21	
					Differentia temporis inter appuls. limbi ☽				
					orientalis & ☽ ☾ ad horar. 2' 56"				
OBSERVATIO V.									
13	20	27 $\frac{1}{2}$			Limbus ☽ orientalis in horario.				
	23	10 $\frac{1}{4}$			☽ ☾ in eodem.				
					Dist. ☽ ☾ a limbo ☽ septentr. meridiem ver-				
					sus convers. $5 \text{ } \frac{1}{2} \text{ } \frac{1}{4}$		545	6 23	
					Differentia temporis inter appuls. limbi ☽				
					orientalis & ☽ ☾ ad horar. 2' 43 $\frac{1}{2}$ "				
OBSERVATIO VI.									
13	27	23 $\frac{1}{4}$			Limbus ☽ orient. in horario.				
	29	55			☽ ☾ in eodem.				
					Dist. ☽ ☾ a limbo ☽ septentr. meridiem				
					versus convers. $6 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$		686	8 2	
					Differentia temporis inter appuls. limbi ☽				
					orient. & ☽ ☾ ad horar. 2' 31 $\frac{1}{2}$ "				
OBSERVATIO VII.									
13	33	38			Limbus ☽ orient. in horario.				
	36	0			☽ ☾ in eodem.				
					Dist. ☽ ☾ a limbo ☽ septentr. meridiem ver-				
					sus convers. $8 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$		802	9 23	
					Differentia temporis inter appuls. limbi ☽				
					orientalis & ☽ ☾ ad horarium. 2' 22"				
OBSERVATIO VIII.									
13	39	37			Limbus ☽ orientalis in horario.				
	41	49			☽ ☾ in eodem.				
					Dist. ☽ ☾ a limbo ☽ septentr. meridiem ver-				
					sus convers. $9 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$		961	11 13	
					Differentia temporis inter appuls. limbi ☽				
					orientalis & ☽ ☾ ad horarium 2' 12"				

T E M P U S			O B S E R V A T I O IX			Partes Centes. Microm.	Partes Circuli Maxim. M. S.
H	M	S.					
13	46	13 $\frac{1}{2}$	Limbus D orient. in horar.				
	48	15	δ ζ in eodem.				
			Dist. δ ζ a limbo D septentr. meridiem versus convers. 10 $\frac{1}{2}$ $\frac{1}{2}$			1083	12 41
			Differentia temporis inter appulsus limbi D orientalis & δ ζ ad horar. 2' 1 $\frac{1}{2}$ "				

O B S E R V A T I O X.

13	52	45	Limbus D orient. in horario.				
	54	36	δ ζ in eodem.				
			Dist. δ ζ a limbo D septentr. meridiem versus convers. 12 $\frac{1}{2}$ $\frac{1}{2}$			1231	14 25
			Differentia temporis inter appulsus limbi D orient. & δ ζ ad horar. 1' 51"				

O B S E R V A T I O XI.

14	2	10	Limbus D orient. in horario.				
	3	45 $\frac{1}{2}$	δ ζ in eodem.				
			Dist. δ ζ a limbo D septentr. meridiem versus convers. 14 $\frac{1}{2}$ $\frac{1}{2}$			1461	17 6
			Differentia temporis inter appuls. limbi D orient. & δ ζ ad horar. 1' 35 $\frac{1}{2}$ "				

O B S E R V A T I O XII.

14	15	39	Limbus D orient. in horario.				
	16	53	δ ζ in eodem.				
			Dist. δ ζ a limbo D septentr. meridiem versus convers. 17 $\frac{1}{2}$ $\frac{1}{2}$			1765	20 40
			Differentia temporis inter appuls. limbi D orient. & δ ζ ad horar. 1' 14"				

O B S E R V A T I O XIII.

14	20	51 $\frac{1}{2}$	Limbus D orient. in horario.				
	21	57	δ ζ in eodem.				
			Dist. δ ζ a limbo D septentr. meridiem versus convers. 18 $\frac{1}{2}$ $\frac{1}{2}$			1871	21 55
			Differentia temporis inter appuls. limbi D orient. & δ ζ ad horar. 1' 5 $\frac{1}{2}$ "				



Tem- pus		Ve- rum	OBSERVATIO XIV.		Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.				
14	25	2 $\frac{1}{2}$	Limbus ☽ orient. in horar.			
	26	1	☽ ☿ in eodem.			
			Dist. ☽ ☿ a limbo ☽ septentr. meridiem ver- sus convers. 19 $\frac{1}{4}$ $\frac{4}{5}$		1966	23 1
			Differentia temporis inter appulsus limbi ☽ orient. & ☽ ☿ ad horar. 58 $\frac{1}{4}$			

OBSERVATIO XV.

14	31	51 $\frac{1}{2}$	Limbus ☽ orientalis in horario.			
	32	37	☽ ☿ in eodem.			
			Distant. ☽ ☿ a limbo ☽ septentr. meridiem versus convers. 21 $\frac{1}{4}$ $\frac{3}{5}$		2135	35 0
			Differentia temporis inter appuls. limbi ☽ orient. & ☽ ☿ ad horarium 45 $\frac{1}{2}$			
			Revolutio Fixarum erat 23 $\frac{1}{2}$ 15' 43"			

DIE 25. SEPTEMBRIS 1765.

☽ ad ☽ ☿.

Fig. X.

OBSERVATIO I.

6	41	6	Limbus ☽ occidentalis in horario.			
	44	44	☽ ☿ in eodem.			
			Distant. ☽ ☿ a limbo ☽ australi boream versus convers. 22 $\frac{1}{4}$ $\frac{4}{5}$		2261	26 29
			Differentia temporis inter appulsus limbi ☽ occident. & ☽ ☿ ad horar. 3' 38"			

OBSERVATIO II.

6	46	45 $\frac{1}{4}$	Limbus ☽ occid. in horario.			
	50	14	☽ ☿ in eodem.			
			Dist. ☽ ☿ a limbo ☽ australi boream versus convers. 21 $\frac{1}{4}$ $\frac{3}{5}$		2173	25 27
			Differentia temporis inter appuls. limbi ☽ occid. & ☽ ☿ ad horar. 3' 28 $\frac{1}{2}$			

Tempus		Ve-	OBSERVATIO III.		Partes	Partes
H	M	rum			Centes.	Circuli
		S.			Microm.	Maximi.
						M. S.
7	2	52 $\frac{1}{4}$	Limbus $\text{D}$ occid. in horario.			
	5	54	$\delta \zeta$ in eodem.			
			Dist. $\delta \zeta$ a limbo $\text{D}$ australi boream			
			versus convers. 18 $\frac{1}{4}$ $\frac{27}{8}$		1877	21 59
			Differentia temporis inter appulsus limbi $\text{D}$			
			occid. & $\delta \zeta$ ad horar. 3' 1 $\frac{1}{2}$ "			

### OBSERVATIO IV.

7	17	17	Limbus $\text{D}$ occid. in horario.			
	19	56	$\delta \zeta$ in eodem.			
			Dist. $\delta \zeta$ a limbo $\text{D}$ australi boream			
			versus convers. 16 $\frac{1}{4}$ $\frac{35}{8}$		1625	19 2
			Differentia temporis inter appuls. limbi $\text{D}$			
			occid. & $\delta \zeta$ ad horar. 2' 39"			

### OBSERVATIO V.

7	31	32	Immerfio $\delta \zeta$ ex parte obscura $\text{D}$ .			
			Revolutio Fixarum erat 23 <sup>b</sup> 55' 51"			

DIE 26. OCTOBRIS 1765.

$\text{D}$  ad  $\delta \chi$ .

### OBSERVATIO I.

8	2	0 $\frac{1}{4}$	Limbus $\text{D}$ occident. in horario.			
	4	30	$\delta \chi$ in eodem.			
			Distant. $\delta \chi$ a limbo $\text{D}$ australi boream			
			versus convers. 23		2300	26 56
			Differentia temporis inter appuls. limbi $\text{D}$			
			occid. & $\delta \chi$ ad horar. 2' 29 $\frac{1}{4}$ "			

### OBSERVATIO II.

8	5	45	Limbus $\text{D}$ occid. in horario.			
	8	9	$\delta \chi$ in eodem.			
			Distant. $\delta \chi$ a limbo $\text{D}$ australi boream			
			versus convers. 22 $\frac{1}{4}$ $\frac{15}{8}$		2216	25 57
			Differentia temporis inter appulsus limbi $\text{D}$			
			occid. & $\delta \chi$ ad horar. 2' 24"			

OB.



Tempus	Venerum	OBSERVATIO III.		Partes Centes. M.ciom	Partes Circuli Maximi. M. S.
H	M	S.			
8	22	48	Occultatio $\delta$ $\times$ a limbo $\mathcal{D}$ obscuro.		

Revolutio Fixarum erat,  $23^h 55' 46''$

DIE 25. NOVEMBRIS. 1765.

$\mathcal{D}$  ad  $\epsilon$  V.

Fig. XI.

OBSERVATIO I.

6	2	4	Limbus $\mathcal{D}$ occid. in horario.		
	6	27	$\epsilon$ V in eodem.		
			Dist. $\epsilon$ V a limbo $\mathcal{D}$ boreo septentr. versus convers. $6 \text{ } \frac{1}{2}$	647	7 35
			Differentia temporis inter appulsus limbi $\mathcal{D}$ occid. & $\epsilon$ V ad horar. $4' 23''$		

OBSERVATIO II.

6	13	9 $\frac{1}{2}$	Limbus $\mathcal{D}$ occid. in horario.		
	17	13	$\epsilon$ V in eodem.		
			Dist. $\epsilon$ V a limbo $\mathcal{D}$ boreo septentr. versus convers. $4 \text{ } \frac{1}{2}$	446	8 13
			Differentia temporis inter appulsus limbi $\mathcal{D}$ occid. & $\epsilon$ V ad horarium. $4' 3'' \frac{1}{2}$		

OBSERVATIO III.

6	18	50 $\frac{1}{2}$	Limbus $\mathcal{D}$ occid. in horario.		
	22	43	$\epsilon$ V in eodem.		
			Dist. $\epsilon$ V a limbo $\mathcal{D}$ boreo septentr. versus convers. $3 \text{ } \frac{1}{2}$	352	4 7
			Differentia temporis inter appulsus limbi $\mathcal{D}$ occid. & $\epsilon$ V ad horar. $3' 52'' \frac{1}{2}$		

Tem- pus			Ve- rum		OBSERVATIO IV.		Partes Centes.	Partes Circuli
H	M	S.					Microm.	Maximi. M. S.
6	24	33 $\frac{3}{4}$			Limbus $\text{D}$ occid. in horario.			
	28	17			$\epsilon$ V in eodem.			
					Distant. $\epsilon$ V a limbo $\text{D}$ boreo septentr.		232	2 43
					versus convers. 2 $\mp$ $\frac{1}{10}$			
					Differentia temporis inter appulsus limbi $\text{D}$			
					occid. & $\epsilon$ V ad horar 3' 43" $\frac{1}{2}$			
OBSERVATIO V.								
6	29	47 $\frac{1}{2}$			Limbus $\text{D}$ occid. in horario.			
	33	21			$\epsilon$ V in eodem.			
					Distant. $\epsilon$ V a limbo $\text{D}$ boreo septentr.		132	1 33
					versus convers. 1 $\mp$ $\frac{1}{10}$			
					Differentia temporis inter appulsus limbi $\text{D}$			
					occid. & $\epsilon$ V ad horar. 3' 33" $\frac{1}{2}$			
OBSERVATIO VI.								
6	34	59 $\frac{3}{4}$			Limbus $\text{D}$ occid. in horario.			
	38	24			$\epsilon$ V in eodem.			
					Distant. $\epsilon$ V a limbo $\text{D}$ boreo septentr.		35	0 25
					versus $\frac{1}{10}$			
					Differentia temporis inter appuls. limbi $\text{D}$			
					occid. & $\epsilon$ V ad horar. 3' 24" $\frac{1}{2}$			
OBSERVATIO VII.								
6	59	3			Limbus $\text{D}$ occid. in horario.			
7	1	46			$\epsilon$ V in eodem.			
					Distant. $\epsilon$ V a limbo $\text{D}$ boreo austrum		410	4 48
					versus convers. 4 $\mp$ $\frac{1}{10}$			
					Differentia temporis inter appuls. limbi $\text{D}$			
					occid. & $\epsilon$ V ad horar. 2' 43"			
OBSERVATIO VIII.								
7	22	56			$\epsilon$ V a limbo $\text{D}$ obscuro occultatur.			
					Revolutio Fixarum erat 23 <sup>b</sup> 55' 51"			



Tem- pus		Ve- rum S.	DIE 26. NOVEMBRIS 1765.		Partes Centes. Microm	Partes Circuli Maxim. M. S.	
H	M						
Luna ad Plejades.							
OBSERVATIO I.							
5	4	34	c Plejadum a limbo $\mathcal{D}$ obscuro tegitur. tubo 4. ped. New.				
OBSERVATIO II.							
5	30	29	Limbus $\mathcal{D}$ occid. in horario.				
	32	53	$\eta$ Plejadum in eodem.				
			Distantia $\eta$ Plejadum a limbo $\mathcal{D}$ boreo au- strum versus convers. 19 $\frac{1}{2}$ - -				1921
			Differentia temporis inter appulsus limbi $\mathcal{D}$ occid. & $\eta$ Plejadum d horarium 2' 24"				22 30
OBSERVATIO III.							
5	34	13	Limbus $\mathcal{D}$ occid. in horario.				
	36	28	$\eta$ Plejadum in eodem.				
			Dist. $\eta$ Plejadum a limbo $\mathcal{D}$ boreo austrum versus convers. 19 $\frac{1}{2}$ - -				1982
			Differentia temporis inter appulsus limbi $\mathcal{D}$ occid. & $\eta$ Plejadum ad horar. 2' 15"				23 13
OBSERVATIO IV.							
5	43	8	$\eta$ Plejadum in partem obscuram $\mathcal{D}$ immergi- tur tubo 4. ped. Newt.				
6	11	26	$\eta$ Plejadum ex parte $\mathcal{D}$ lucida emergit. tubo 4. pedum Newt.				
6	11	25	Emeritio $\eta$ Plejadum a Socio meo P. Sajno- vics e S. J. observata est tubo 12. ped. dioptrico.				
			Momenta immersionis in utraque fixa eadem sunt.				



Tempus H   M	Verum S.	Congressus Planetarum cum Fixis.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
DIE 12. MAJI 1764.				
♀ ad ε II.				
OBSERVATIO I.				
8	57 59	25 41		
		Limbus ♀ occid. in horario. ε II in eodem. Dist. ε II a centro ♀ austrum versus con- vers. 33 $\frac{1}{2}$ - - - Differentia temporis inter appulsus limbi ♀ occid. & ε II ad horar. 2' 16"	3352	39 16
OBSERVATIO II.				
10	11 13	31 $\frac{1}{2}$ 35		
		Limbus ♀ occid. in horario. ε II in eodem. Distant. ε II a centro ♀ austrum versus convers. 33 $\frac{1}{2}$ - - - Differentia temporis inter appul. limbi ♀ occid. & ε II ad horar. 2' 3 $\frac{1}{2}$ " Revolutio Fixarum erat. 23 <sup>b</sup> 55' 39"	3333	39 2
DIE 15. DECEMBRIS 1765.				
♀ ad η ζ.				
OBSERVATIO I.				
5	4 6	3 $\frac{1}{4}$ 27		
		Limbus ♀ occid. in horario. η ζ in eodem. Dist. η ζ a centro ♀ meridiem versu convers. 35 $\frac{1}{2}$ - - - Differentia temporis inter appuls. limbi ♀ occid. & η ζ ad horar. 2' 23 $\frac{1}{2}$ "	3519	41 13
OBSERVATIO II.				
6	8 10	24 36		
		Limbus ♀ occid. in horario. η ζ in eodem. Dist. η ζ a centro ♀ austrum versus con- vers. 36 - - - Differentia temporis inter appuls. limbi ♀ occid. & η ζ ad horar. 2' 12"	3600	42 10



Tempus H   M   S.	Ve. rum S.	DIE 21. DECEMBRIS 1764.	Partes Centes. Microm.	Partes Circuli Maximi. M   S
		♀ ad ζ =.		
		OBSERVATIO UNICA.		
18	35 14	Limbus ♀ orientalis in horario.		
	37 7 1/2	ζ = in eodem.		
		Dist. ζ = a centro ♀ austrum versus con-	236	2 46
		vers. 2 1/4 1/2		
		Differentia temporis inter appuls. limbi ♀		
		orientalis & ζ = ad horar. 1' 53 1/2		
		Revolutio Fixarum erat 23 <sup>b</sup> 56' 0"		
		DIE 30. MAJI 1764.		
		♂ in parallelo σ m		
		OBSERVATIO I.		
32	32 38 1/4	σ m in horario.		
13	5 45	Centrum ♂ in eodem.		
		Dist. σ m a centro ♂ austrum versus con-	2674	31 19
		vers. 26 1/4 1/2		
		Differentia temporis inter appuls. σ m &		
		centri ♂ ad horar 33' 6 1/2		
		DIE 21. JUNII.		
		OBSERVATIO II.		
10	1 41	σ m in horario.		
	5 27 1/2	Centrum ♂ in eodem.		
		Dist. σ m a centro ♂ austrum versus con-	2940	34 26
		vers. 29 1/4 1/2		
		Differentia temporis inter appuls. σ m &		
		centri ♂ ad horarium. 3' 46 1/2		

Tempus H M	Verum S.		Partes Centes. Microm.	Partes Circuli Maxim. M. S.
<b>DIE 22. JUNII.</b>				
<b>OBSERVATIO III.</b>				
		$\sigma$ $\mathfrak{M}$ in horar.		
9 48	32 $\frac{3}{4}$	Centrum $\sigma$ in eodem.		
51	22 $\frac{1}{2}$	Distant. $\sigma$ $\mathfrak{M}$ a centro $\sigma$ austrum versus convers. 29 $\frac{1}{2}$ $\frac{3}{4}$	2974	34 50
		Differentia temporis inter appulsus $\sigma$ $\mathfrak{M}$ & centri $\sigma$ ad horar. 2' 50 $\frac{1}{4}$ "		

<b>DIE 23. JUNII.</b>				
<b>OBSERVATIO IV.</b>				
		$\sigma$ $\mathfrak{M}$ in horario.		
9 36	30	Centrum $\sigma$ in eodem.		
38	25 $\frac{3}{4}$	Dist. $\sigma$ $\mathfrak{M}$ a centro $\sigma$ austrum versus con- vers. 30 $\frac{1}{2}$ $\frac{3}{4}$	3031	35 30
		Differentia temporis inter appulsus $\sigma$ $\mathfrak{M}$ & centri $\sigma$ ad horar. 1' 55 $\frac{1}{4}$ "		
		Revolutio Fixarum. 23 $^h$ 56' 1"		

<b>DIE 12. OCTOBRIS 1764.</b>				
$\sigma$ ad $\chi$ $\mathfrak{M}$				
<b>OBSERVATIO UNICA.</b>				
		Centrum $\sigma$ in horario.		
6 24	29	$\chi$ $\mathfrak{M}$ in eodem.		
25	41	Dist. $\chi$ $\mathfrak{M}$ a centro $\sigma$ boream versus con- vers. 1	100	1 10
		Differentia temporis inter appuls. centri $\sigma$ & $\chi$ $\mathfrak{M}$ ad horar. 1' 21"		
		Revolutio Fixarum, 23 $^h$ 55' 49"		



DIE 9. DECEMBRIS 1764.

Partes Centes. Microm. Partes Circuli Maximi. M. S.

Tem- pus H M S. Ve- rum S.

♂ ad ε ∞

OBSERVATIO UNICA.

6 46 52  
47 39

ε ∞ in horar.  
Centrum ♂ in eodem.  
Dist. ε ∞ a centro ♂ boream versus con-  
vers. 45' 41"  
Differentia temporis inter appulsus ε ∞ &  
centri ♂ ad horar. 47"

4537 53 8

DIE 15. DECEMBRIS 1764.

♂ ad σ ∞

OBSERVATIO I.

4 51 0  
53 28

Centrum ♂ in horario.  
σ ∞ in eodem.  
Distant. σ ∞ a centro ♂ septentr. versus  
convers. 3' 41"  
Differentia temporis inter appulsus centri ♂  
& σ ∞ ad horar. 2' 28"

313 3 40

OBSERVATIO II.

8 35 0  
37 21

Centrum ♂ in horario.  
σ ∞ in eodem.  
Distant. σ ∞ a centro ♂ septentr. versus  
27"  
Differentia temporis inter appuls. centri ♂  
& σ ∞ ad horar 2' 21"

97 1 8

Revolutio Fixarum erat 23' 15" 54"

Tem- pus		Ve- rum	DIE 9. JANUARI 1765.		Partes Centes. Microm.	Partes Circuli Maximi M. S.
H	M	S.	Fig. XII			
			24 R ad δ II.			
			OBSERVATIO I.			
10	18	34	Centrum 24 in horario.			
	19	48½	δ II in eodem.			
			Dist. δ II a centro 24 austrum versus con- vers. 23 ½ 4½		23 14	27 6.
			Differentia temporis inter appulsus centri 24 & δ II ad horar. 1' 14"½			
			DIE 11. JANUARI.			
			OBSERVATIO II.			
6	18	29	Centrum 24 in horario.			
	20	46½	δ II in eodem.			
			Dist. δ II a centro 24 austrum versus con- vers. 24 ½ 2½		24 91	29 10
			Differentia temporis inter appuls. centri 24 & δ II ad horar. 2' 17"½			
			DIE 12. JANUARI.			
			OBSERVATIO III.			
6	33	50	Centrum 24 in horario.			
	36	41½	δ II in eodem.			
			Distant. δ II a centro 24 austrum versus convers. 25 ½ 7½		25 79	30 22
			Differentia temporis inter appuls. centri 24 & δ II ad horar. 2' 51"½			
			Revolutio Fixarum erat 23 <sup>b</sup> 55' 55"			
						DIE



Tem- pu- rum	Ve- rum	Jupiter jam directus ad $\delta$ II redibat.	Partes Centef.	Partes Circuli Maximi.
H	M	S.	Microm.	M. S.

**DIE I. MAJI 1765.**

Fig. XIII.

**OBSERVATIO I.**

8	44	15	Centrum $\gamma$ in horario.	
	44	24	$\delta$ II in eodem.	
			Dist. $\delta$ II a centro $\gamma$ meridiem versus con- vers. $29^{\circ} 4^{\prime} 30''$	2906
			Differentia temporis inter appulsus centri $\gamma$ & $\delta$ II ad horar. $9''$	34 2
				2 16

**DIE 2. MAJI.**

**OBSERVATIO II.**

8	36	36 $\frac{1}{2}$	$\delta$ II in horario.	
	37	6 $\frac{1}{2}$	Centrum $\gamma$ in eodem.	
			Dist. $\delta$ II a centro $\gamma$ meridiem versus con- vers. $28^{\circ} 4^{\prime} 30''$	2822
			Differentia temporis inter appulsus $\delta$ II & centri $\gamma$ ad horarium. $30''$	33 3
			Revolutio Fixarum erat. $23^h 55^m 49^s$	7 31

Ad diem 1mam Maji habetur  $\delta$  II ascensio  
recta apprens  $106^{\circ} 31' 6''$  Declinatio  
 $22^{\circ} 23' 50''$ , 4. Bor. Inde Longitudo  $15^{\circ} 14'$   
 $28''$  ☉ Lat.  $0^{\circ} 12' 13''$  Austr.

Ex differentiis Ascensionum rectarum & de-  
clinationum deducuntur ascensiones appa-  
rentes Jovis pro tempore appulsus centri  
 $\gamma$  ad horarium.

**DIE I. MAJI.**

Ascensio.

Declinatio.

8	44	15	$106^{\circ} 28' 50''$	$22^{\circ} 57' 52''$ Bor.
---	----	----	------------------------	----------------------------

**DIE 2. MAJI.**

8	37	6 $\frac{1}{2}$	$106^{\circ} 38' 37''$	$22^{\circ} 56' 53''$ Bor.
---	----	-----------------	------------------------	----------------------------





Tem-  
pus  
H | M | S. | DIE 24. OCTOBRIS. | Partes  
Centes.  
Microm. | Partes  
Circuli  
Maximi.  
M. | S.

14 | 8 | 25 $\frac{1}{2}$  | OBSERVATIO III. |  
10 | 53 | Centrum  $\zeta$  in horario.  
 $\psi$   $\delta$  in eodem.  
Distant.  $\psi$   $\delta$  a centro  $\zeta$  austrum versus  
convers. 27  $\frac{1}{2}$  - - - - - 2711 | 31 | 45  
Differentia temporis inter appulsus centri  $\zeta$   
&  $\psi$   $\delta$  ad horar. 2' 27 $\frac{1}{2}$

DIE 25. OCTOBRIS.

OBSERVATIO IV.

17 | 4 | 38 $\frac{1}{2}$  |  
6 | 40 $\frac{1}{2}$  | Centrum  $\zeta$  in horario.  
 $\psi$   $\delta$  in eodem.  
Distant.  $\psi$   $\delta$  a centro  $\zeta$  austrum versus  
convers. 25  $\frac{1}{2}$  - - - - - 2556 | 29 | 50  
Differentia temporis inter appulsus centri  $\zeta$   
&  $\psi$   $\delta$  ad horar. 2' 2 $\frac{1}{2}$

$\zeta$  in parallelo  $\epsilon$   $\delta$ .

DIE 27 JULII 1765.

OBSERVATIO I.

13 | 47 | 54 $\frac{1}{2}$  |  
55 | 32 | Centrum  $\zeta$  in horario.  
 $\epsilon$   $\delta$  in eodem.  
Dist.  $\epsilon$   $\delta$  a centro  $\zeta$  austrum versus con-  
vers. 17  $\frac{1}{2}$  - - - - - 1746 | 20 | 27  
Differentia temporis inter appulsus centri  $\zeta$   
&  $\epsilon$   $\delta$  ad horar. 7' 37 $\frac{1}{2}$

DIE I. AUGUSTI.

OBSERVATIO II.

14 | 48 | 13 |  
54 | 10 $\frac{1}{2}$  | Centrum  $\zeta$  in horario.  
 $\epsilon$   $\delta$  in eodem.  
Dist.  $\epsilon$   $\delta$  a centro  $\zeta$  austrum versus con-  
vers. 20  $\frac{1}{2}$  - - - - - 2084 | 24 | 24  
Differentia temporis inter appuls. centri  $\zeta$   
&  $\epsilon$   $\delta$  ad horar. 5' 57 $\frac{1}{2}$

Tem- pus	Ve- rum		DIE 2. AUGUSTI.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.	OBSERVATIO III.		
13	27	4	Centrum $\eta$ in horario.		
	32	43 $\frac{1}{2}$	$\epsilon$ $\gamma$ in eodem.		
			Distat. $\epsilon$ $\gamma$ a centro $\eta$ austrum versu convers. 21 $\frac{1}{2}$	2139	25 3
			Differentia temporis inter appuls. centri $\eta$ & $\epsilon$ $\gamma$ ad horar. 5' 39 $\frac{1}{2}$		
DIE 4. AUGUSTI.					
OBSERVATIO IV.					
13	39	19	Centrum $\eta$ in horario.		
	44	21	$\epsilon$ $\gamma$ in eodem		
			Dist. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus con- vers. 22 $\frac{1}{2}$	2256	26 25
			Differentia temporis inter appulsus centri $\eta$ & $\epsilon$ $\gamma$ ad horar. 5' 2"		
DIE 5. AUGUSTI.					
OBSERVATIO V.					
13	27	57	Centrum $\eta$ in horario.		
	32	41 $\frac{1}{2}$	$\epsilon$ $\gamma$ in eodem.		
			Dist. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus con- vers. 23 $\frac{1}{2}$	2306	27 0
			Differentia temporis inter appulsus centri $\eta$ & $\epsilon$ $\gamma$ ad horarium, 4' 44 $\frac{1}{2}$		
DIE 7. AUGUSTI.					
OBSERVATIO VI.					
13	37	14	Centrum $\eta$ in horario.		
	41	24	$\epsilon$ $\gamma$ in eodem.		
			Dist. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus con- vers. 24 $\frac{1}{2}$	2410	28 13
			Differentia temporis inter appulsus centri $\eta$ & $\epsilon$ $\gamma$ ad horar. 4' 10"		



Tem- pus	Ve- rum		DIE 15. AUGUSTI.	Partes Centef. Microm.	Partes Circuli Maximi. M. S.
H	M	S.	OBSERVATIO VII.		
13	8	44	Centrum $\odot$ in horario.		
	10	49	$\odot$ in eodem.		
			Dist. $\odot$ a centro $\odot$ austrum versus con- vers. $27^{\circ} 4^{\prime} 2^{\prime\prime}$	2792	32 42
			Differentia temporis inter appulsus centri $\odot$ & $\odot$ ad horar. $2^{\prime} 5^{\prime\prime}$		

## DIE 19. AUGUSTI.

### OBSERVATIO VIII.

12	51	43	Centrum $\odot$ in horario.		
	52	55 $\frac{1}{2}$	$\odot$ in eodem.		
			Dist. $\odot$ a centro $\odot$ austrum versus con- vers. $29^{\circ} 4^{\prime} 1^{\prime\prime}$	2934	34 21
			Differentia temporis inter appulsus centri $\odot$ & $\odot$ ad horar. $1^{\prime} 12^{\prime\prime} \frac{1}{2}$		

## DIE 20. AUGUSTI.

### OBSERVATIO IX.

12	49	19	Centrum $\odot$ in horario.		
	50	19 $\frac{1}{4}$	$\odot$ in eodem.		
			Dist. $\odot$ a centro $\odot$ austrum versus con- vers. $29^{\circ} 4^{\prime} 7^{\prime\prime}$	2971	34 47
			Differentia temporis inter appulsus centri $\odot$ & $\odot$ ad horar. $1^{\prime} 0^{\prime\prime} \frac{1}{4}$		

## DIE 22. AUGUSTI.

### OBSERVATIO X.

12	52	10	Centrum $\odot$ in horario.		
	52	47 $\frac{1}{2}$	$\odot$ in eodem.		
			Dist. $\odot$ a centro $\odot$ austrum versus con- vers. $30^{\circ} 4^{\prime} 7^{\prime\prime}$	3009	35 14
			Differentia temporis inter appulsus centri $\odot$ & $\odot$ ad horar. $37^{\prime\prime} \frac{1}{2}$		

Tem- pus	Ve- rum		DIE 24. AUGUSTI.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.	OBSERVATIO XI.		
12	17	13	Centrum $\eta$ in horar.		
	17	28	$\epsilon$ $\gamma$ in eodem.		
			Dist. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus con- vers. $30^{\circ} 4^{\prime} 22''$	3077	36 2
			Differentia temporis inter appulsus centri $\eta$ & $\epsilon$ $\gamma$ ad horar. $15''$		

DIE 25. AUGUSTI.

OBSERVATIO XII.

12	24	27	Centrum $\eta$ in horario.		
	24	32	$\epsilon$ $\gamma$ in eodem.		
			Distant. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus convers. $30^{\circ} 4^{\prime} 22''$	3092	36 12
			Differentia temporis inter appulsus centri $\eta$ & $\epsilon$ $\gamma$ ad horar. $5''$		

DIE 26. AUGUSTI.

OBSERVATIO XIII.

12	47	45	$\epsilon$ $\gamma$ in horario.		
	47	50	Centrum $\eta$ in eodem.		
			Distant. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus convers. $31^{\circ} 4^{\prime} 22''$	3109	36 24
			Differentia temporis inter appuls. $\epsilon$ $\gamma$ & centri $\eta$ ad horar. $5''$		

DIE 27. AUGUSTI.

OBSERVATIO XIV.

12	20	44	$\epsilon$ $\gamma$ in horario.		
	20	59	Centrum $\eta$ in eodem.		
			Dist. $\epsilon$ $\gamma$ a centro $\eta$ austrum versus con- vers. $31^{\circ} 4^{\prime} 22''$	3132	36 41
			Differentia temporis inter appulsus $\epsilon$ $\gamma$ & centri $\eta$ ad horar. $15''$		



Tem- pus	Ve- rum	DIE 30. AUGUSTI.		Partes Centes.	Partes Circuli
H	M	S.	OBSERVATIO XV.	Microm.	Maxim. M. S.
12	22	59	☿ in horar.		
	23	39	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 31 $\frac{1}{2}$ $\frac{2}{3}$ - - - - -	3184	37 17
			Differentia temporis inter appulsus ☿ & centri ♄ ad horar. 40"		

## DIE 31. AUGUSTI.

### OBSERVATIO XVI.

12	21	47	☿ in horario.		
	22	35	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 31 $\frac{1}{2}$ $\frac{2}{3}$ - - - - -	3199	37 28
			Differentia temporis inter appulsus ☿ & centri ♄ ad horar. 48"		

## DIE 1. SEPTEMBRIS.

### OBSERVATIO XVII.

12	10	16	☿ in horario.		
	11	11	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 32 $\frac{1}{2}$ $\frac{1}{3}$ - - - - -	3208	37 34
			Differentia temporis inter appulsus ☿ & centri ♄ ad horar. 55"		

## DIE 2. SEPTEMBRIS.

### OBSERVATIO XVIII.

11	55	3	☿ in horario.		
	56	4	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 32 $\frac{1}{2}$ $\frac{1}{3}$ - - - - -	3216	37 41
			Differentia temporis inter appulsus ☿ & centri ♄ ad horar. 1' 1"		

Revolutio Fixarum, 23<sup>b</sup> 55' 45"

Tem- pus	Ve- rum		DIE 4. OCTOBRIS.	Partes Centes. Microm.	Partes Circuli Maximi. M S.
H	M	S.	OBSERVATIO XIX.		

10	10	38	☿ in horario.		
	11	22	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 27 $\frac{1}{2}$ $\frac{3}{4}$		
			Differentia temporis inter appuls. ☿ & centri ♄ horar. 44"	2732	32

### DIE 5. OCTOBRIS.

#### OBSERVATIO XX.

10	8	10	☿ in horario.		
	8	46	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 26 $\frac{1}{2}$ $\frac{3}{4}$		
			Differentia temporis inter appuls. ☿ & centri ♄ ad horar 36 $\frac{1}{4}$ "	2697	31 35

### DIE 8. OCTOBRIS.

#### OBSERVATIO XXI.

9	21	25	☿ in horario.		
	21	36	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 25 $\frac{1}{2}$ $\frac{3}{4}$		
			Differentia temporis inter appuls. ☿ & centri ♄ ad horarium. 11"	2580	30 13

### DIE 9. OCTOBRIS.

#### OBSERVATIO XXII.

9	55	17	☿ in eodem.		
	55	18	Centrum ♄ in eodem.		
			Dist. ☿ a centro ♄ austrum versus con- vers. 25 $\frac{1}{2}$ $\frac{3}{4}$		
			Differentia temporis inter appulsus ☿ & centri ♄ ad horar. 1"	2532	29 38



Tem- pus		Ve- rum S.	DIE II. OCTOBRIS.		Partes Centes.	Partes Circuli Maximi.
H	M		OBSERVATIO XXIII.		Microm	M. S.
9	58	19	Centrum $\text{h}$ in horario.			
	58	39	$\epsilon$ $\text{v}$ in eodem.			
			Dist. $\epsilon$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 24 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$ - - - - -		2425	28 24
			Differentia temporis inter appulsus centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. 20"			

DIE 12. OCTOBRIS.

OBSERVATIO XXIV.

9	44	56	Centrum $\text{h}$ in horario.			
	45	27	$\epsilon$ $\text{v}$ in eodem.			
			Distant. $\epsilon$ $\text{v}$ a centro $\text{h}$ austrum versus convers. 23 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$ - - - - -		2382	27 54
			Differentia temporis inter appul. centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. 31"			

DIE 15. OCTOBRIS.

OBSERVATIO XXV.

9	22	18	Centrum $\text{h}$ in horario.			
	23	24	$\epsilon$ $\text{v}$ in eodem.			
			Dist. $\epsilon$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 22 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$ - - - - -		2229	26 6
			Differentia temporis inter appuls. centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. 1' 6"			

DIE 22. OCTOBRIS.

OBSERVATIO XXVI.

9	31	20	Centrum $\text{h}$ in horario.			
	33	59	$\epsilon$ $\text{v}$ in eodem.			
			Dist. $\epsilon$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 18 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$ - - - - -		1825	21 22
			Differentia temporis inter appuls. centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. 2' 39"			

Tem- pus		Ve- rum S.	DIE 23. OCTOBRIS.		Partes Centes. Microm	Partes Circuli Maxim. M. S.
H	M					
OBSERVATIO XXVII.						
13	40	34	Centrum $\zeta$ in horario.			
	43	31 $\frac{1}{2}$	= $\zeta$ in eodem.			
			Dist. = $\zeta$ a centro $\zeta$ austrum versus con- vers. 17 $\frac{1}{2}$ $\frac{3}{4}$ .		1757	20 34
			Differentia temporis inter appuls. centr. $\zeta$ & = $\zeta$ ad horar. 2' 57 $\frac{1}{2}$ "			
DIE 25. OCTOBRIS.						
OBSERVATIO XXVIII.						
9	13	32 $\frac{1}{2}$	Centrum $\zeta$ in horario.			
	16	57	= $\zeta$ in eodem.			
			Dist. = $\zeta$ a centro $\zeta$ austrum versus con- vers. 16 $\frac{1}{2}$ $\frac{4}{8}$ .		1648	19 18
			Differentia temporis inter appulsus centri $\zeta$ & = $\zeta$ ad horar. 3' 24 $\frac{1}{2}$ "			
DIE 26. OCTOBRIS.						
OBSERVATIO XXIX.						
8	58	33	Centrum $\zeta$ in horario.			
	9	13	= $\zeta$ in eodem.			
			Dist. = $\zeta$ a centro $\zeta$ austrum versus con- vers. 15 $\frac{1}{2}$ $\frac{2}{4}$ .		1594	18 40
			Differentia temporis inter appulsus centri $\zeta$ & = $\zeta$ ad horar. 3' 40"			
Revolutio Fixarum erat 23 <sup>h</sup> 55' 44"						



Tem- pus H M	Ver- rum S.		Partes Centef. Microm.	Partes Circuli Maximi. M. S.
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DIE 4. NOVEMBRIS.

OBSERVATIO XXX.

9	20	34		
	26	47 $\frac{1}{2}$		
		Centrum $\text{h}$ in horario.		
		$\text{e}$ $\text{v}$ in eodem.		
		Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 9 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$	982	11 30
		Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. 6' 13 $\frac{1}{2}$ "		

DIE 5. NOVEMBRIS.

OBSERVATIO XXXI.

8	35	6		
	41	38		
		Centrum $\text{h}$ in horario.		
		$\text{e}$ $\text{v}$ in eodem.		
		Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 9 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$	912	10 41
		Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. 6' 32"		

DIE 6. NOVEMBRIS.

OBSERVATIO XXXII.

8	34	25		
	41	55 $\frac{2}{3}$		
		Centrum $\text{h}$ in horario.		
		$\text{e}$ $\text{v}$ in eodem.		
		Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 8 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$	853	9 59
		Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. 6' 50 $\frac{2}{3}$ "		

DIE II. NOVEMBRIS.

OBSERVATIO XXXIII.

8	21	8		
	29	34		
		Centrum $\text{h}$ in horario.		
		$\text{e}$ $\text{v}$ in eodem.		
		Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ austrum versus con- vers. 4 $\text{h}$ $\frac{1}{2}$ $\frac{1}{2}$	479	5 38
		Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. 8' 26"		

Tem- pus	Ve- rum		DIE 12. NOVEMBRIS.	Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M	S.	OBSERVATIO XXXIV.		

8	15	10	Centrum $\zeta$ in horar.		
	23	56	$\epsilon$ $\zeta$ in eodem.		
			Dist. $\epsilon$ $\zeta$ a centro $\zeta$ austrum versus con- vers. 4 - - - -	400	4 41
			Differentia temporis inter appulsus centri $\zeta$ & $\epsilon$ $\zeta$ ad horar. 8' 46"		

DIE 14. NOVEMBRIS.

OBSERVATIO XXXV.

7	56	19	Centrum $\zeta$ in horario,		
8	5	43 $\frac{1}{2}$	$\epsilon$ $\zeta$ in eodem.		
			Distans. $\epsilon$ $\zeta$ a centro $\zeta$ austrum versus convers. 2 $\frac{1}{2}$ $\frac{5}{8}$ - - - -	258	3 1
			Differentia temporis inter appulsus centri $\zeta$ & $\epsilon$ $\zeta$ ad horar. 9' 24 $\frac{1}{2}$ "		

DIE 16. NOVEMBRIS.

OBSERVATIO XXXVI.

11	43	54 $\frac{1}{2}$	Centrum $\zeta$ in horario,		
	54	1 $\frac{1}{2}$	$\epsilon$ $\zeta$ in eodem.		
			Distans. $\epsilon$ $\zeta$ a centro $\zeta$ austrum versus $\frac{3}{4}$ - - - -	85	1 0
			Differentia temporis inter appuls. centri $\zeta$ & $\epsilon$ $\zeta$ ad horar. 10' 7"		

DIE 20. NOVEMBRIS.

OBSERVATIO XXXVII.

7	52	2	Centrum $\zeta$ in horario,		
8	3	27	$\epsilon$ $\zeta$ in eodem.		
			Dist. $\epsilon$ $\zeta$ a centro $\zeta$ boream versus con- vers. 2 $\frac{1}{2}$ $\frac{5}{8}$ - - - -	204	2 23
			Differentia temporis inter appulsus centri $\zeta$ & $\epsilon$ $\zeta$ ad horar. 11' 25"		



Tem- pus		Ve- rum S.	DIE 21. NOVEMBRIS.		Partes Centes. Microm.	Partes Circuli Maximi. M. S.
H	M		OBSERVATIO XXXVIII.			
8	15	48	Centrum $\text{h}$ in horario.		292	3 25
	27	34	$\epsilon$ $\text{v}$ in eodem. Dist. $\epsilon$ $\text{v}$ a centro $\text{h}$ boream versus con- vers. $2^{\circ} 4^{\prime} 2^{\prime\prime}$			
			Differentia temporis inter appulsus centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. $11^{\prime} 46^{\prime\prime}$			
			DIE 23. NOVEMBRIS.			
			OBSERVATIO XXXIX.			
6	56	11	Centrum $\text{h}$ in horario.		437	5 7
7	8	36 $\frac{1}{2}$	$\epsilon$ $\text{v}$ in eodem. Distant. $\epsilon$ $\text{v}$ a centro $\text{h}$ boream versus convers. $4^{\circ} 4^{\prime} 3^{\prime\prime}$			
			Differentia temporis inter appul. centri $\text{h}$ & $\epsilon$ $\text{v}$ ad horar. $12^{\prime} 25^{\prime\prime} \frac{1}{2}$			
			Revolutio Fixarum erat $23^h 55^m 53^s$			

HAC DIE CONTIGIT OPPOSITIO  
SATURNI CUM SOLE.

Ad diem 23. Novembris 1765. ex celebratissimis Ephemeridibus Astr. R.  
P. HELL, e S. J. Casareo-Regii Astronomi tota Europa clarissimi  
habetur.

*Ascensio recta vera & declinatio vera* ☽

63° 44' 30", 1 - - - - 18° 38' 35", 3. Bor.

Aberratio - - - ± 20 - - - - ± 3, 7

Nutatio - - - ± 6, 9 - - - - ± 8, 7

*Inde ascensio recta appaens & declinatio* ☽

63° 44' 57", - - - - - 18° 38' 47", 7 Bor.

Erat igitur h 6 56' 11" temporis veri.

*Ascensio recta appaens & declinatio appaens* ☽

60° 38' 5" - - - - - 18° 33' 40", 7 Bor.

*Ex his longitudo appaens & latitudo* ☽ *supputata.*

2° 2' 16' 40" - - - - 2° 7' 31" Austr.

H. 6. 56' 21" temporis veri. Sive h. 6 43' 12", 6 temporis medii e tabulis D. L. Abbe de la Caille

Longitudo ☉ 8° 1' 45' 58", 4.

Motus diurnus ☉ - - - - 1° 0' 45", 6.

Motus diurnus ☽ R. comparando observationem diei 21 cum 23, & observationem diei 23 cum 25, sumptoque medio erat:

0° 4' 54", 5

Hinc motus compositus. - - - - 1° 5' 40", 1

Differentia inter longitudinem Saturni & Solis: 0° 30' 41", 6.

Jam cum sint 1° 50' 40": 24<sup>b</sup> = 0° 30' 41", 6: 11<sup>b</sup> 13' 13"

Accidit oppositio Saturni cum ☉ die 23 Novembris h 18 9' 24" temporis veri in 2° 14' 22", 4 II, cum latitudine australi 2° 7' 29".



Tem- pus H M S.	Ve- rum S.	DIE 25. NOVEMBRIS.		Partes	Partes
				Centes. Microm.	Circuli Maximi. M. S.

OBSERVATIO XL.

7 30 31  
43 38

Centrum  $\zeta$  in horario.  
 $\epsilon$   $\zeta$  in eodem.  
 Distant.  $\epsilon$   $\zeta$  a centro  $\zeta$  boream versus  
 convers.  $6 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$   
 Differentia temporis inter appuls. centri  $\zeta$   
 &  $\epsilon$   $\zeta$  ad horar.  $13^{\circ} 7''$

603 7 6

DIE 26. NOVEMBRIS.

OBSERVATIO XLI.

8 17 43  
31 11 $\frac{1}{2}$

Centrum  $\zeta$  in horario.  
 $\epsilon$   $\zeta$  in eodem.  
 Dist.  $\epsilon$   $\zeta$  a centro  $\zeta$  boream versus con-  
 vers.  $6 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$   
 Differentia temporis inter appulsus centri  $\zeta$   
 &  $\epsilon$   $\zeta$  ad horar.  $13^{\circ} 28^{\circ} \frac{1}{2}$

669 7 50

DIE 27. NOVEMBRIS.

OBSERVATIO XLII.

7 53 54  
8 7 42

Centrum  $\zeta$  in horario.  
 $\epsilon$   $\zeta$  in eodem.  
 Dist.  $\epsilon$   $\zeta$  a centro  $\zeta$  boream versus con-  
 vers.  $7 \text{ } \frac{1}{2} \text{ } \frac{1}{2}$   
 Differentia temporis inter appulsus centri  $\zeta$   
 &  $\epsilon$   $\zeta$  ad horarium.  $13^{\circ} 48''$

737 8 12

Tem- pus		Ve- rum S.	DIE 23. NOVEMBRIS.		Partes Centes Microm.	Partes Circuli Maxim. M. S.
H	M					

OBSERVATIO XLIII.

6	11	19 $\frac{3}{4}$	Centrum $\text{h}$ in horario.			
	25	27	$\text{e}$ $\text{v}$ in eodem.			
			Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ boream versus con- vers. $7^{\circ} 47'$		797	9 20
			Differentia temporis inter appuls. centr. $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. $14^{\circ} 7^{\frac{1}{2}}'$			

DIE 1. DECEMBRIS.

OBSERVATIO XLIV.

5	58	56	Centrum $\text{h}$ in horario.			
6	14	3	$\text{e}$ $\text{v}$ in eodem.			
			Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ boream versus con- vers. $10^{\circ} 46'$		1014	11 52
			Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. $15^{\circ} 7''$			

DIE 2. DECEMBRIS.

OBSERVATIO XLV.

8	0	55	Centrum $\text{h}$ in horario.			
	16	23 $\frac{1}{2}$	$\text{e}$ $\text{v}$ in eodem.			
			Dist. $\text{e}$ $\text{v}$ a centro $\text{h}$ boream versus con- vers. $11^{\circ} 45'$		1112	13 1
			Differentia temporis inter appulsus centri $\text{h}$ & $\text{e}$ $\text{v}$ ad horar. $15^{\circ} 28^{\frac{1}{2}}'$			



# OBSERVATIONES SATELLITUM

JOVIS 1764.

Tem. Ve-  
pus rum  
H | M | S.

## DIE 3. SEPTEMBRIS.

Immersio Satellitis II.

Cælo Sereno tubo 4. ped. Newtoniano - - - 15 47 51

## DIE 2. OCTOBRIS.

Immersio Satellitis I.

Cælo a crepusculo matutino jam clariore, tubo 4. ped. Newt. 17 37 12

## DIE 18. OCTOBRIS.

Immersio Satellitis I.

Cælo Sudo, tubo 4. ped, Newt, - - - 15 56 30

## DIE 3. NOVEMBRIS.

Immersio Satellitis I.

Cælo non nihil vaporoso. tubo 4. ped. Newt. - - 14 12 50

## DIE 12. NOVEMBRIS.

Immersio Satellitis IV.

Cælo Sereno, tubo 4. ped. New. luce minui incipit. - 12 53 7  
 Difficulter videtur - - - 13 1 17  
 Disparet - - - 13 2 17

## DIE 5. DECEMBRIS.

Immersio Satellitis I.

Per rariores nubeculas. tubo 4. ped. Newt. - - 10 37 15

DIE

DIE 12. DECEMBRIS.

Immerfio Satellitis I.

Jove in tenui nebula existente. tubo 4. ped. Newt.

Tem- pus		Ve- rum
H	M	S

12	27	27
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OASERVATIONES SATELLITUM JOVIS.

1765.

DIE 20. JANUARI.

Emerfio Satellitis II.

Cælo Sereno. tubo 4. ped. Newt.

8	45	3
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E A D E M D I E.

Emerfio Satellitis I.

Cælo fudo. tubo 4. ped. Newt.

12	52	48
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DIE 29. JANUARI.

Emerfio Satellitis I.

Cælo Sereno. tubo. 4. ped. Newt.

9	13	47
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DIE 28. FEBRUARI.

Emerfio Satellitis II.

Cælo Sudo. Luna utcunque vicina, & vento vehementius fpite. tubo 4. ped. Newt.

11	12	28
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E A D E M D I E.

Emerfio Satellitis I.

Tubo 4. ped. Newt.

11	22	23
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DIE



DIE 16. MARTII.

Emerfio Satellitis I.

Celo non nihil vaporoso. tubo 4. ped. Newt.

Tem-	Ve-
pus	rum
H	M S

9	45 20
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E A D E M D I E.

Immerfio Satellitis III.

Tubo 4. ped. Newt.

10	21 20
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DIE 26. MARTII.

Immerfio Satellitis IV.

Aere vento agitato. tubo 4. ped. Newt.

12	52 58
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D I E 12. A P R I L I S.

Emerfio Satellitis IV.

Jovis specie nimium ebulliente ob ventum vehementius spiran-  
tem. tubo 4. ped. Newt.

11	10 8
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D I E 17. M A J I

Emerfio Satellitis I.

Per tenues nubeculas, & crepusculo utrunque claro. tubo 4.  
ped. Newt.

8	43 54
---	-------

D I E 3. J U N I I.

Emerfio Satellitis III.

Jove in vaporibus horizontis existente tubo 4 ped. Newt.

9	56 1
---	------

H

DIE

DIE 23. OCTOBRIS.

Immerfio Satellitis I.

Cælo Sereno tubo 4. ped. Newtoniano

Tem. Ve-		rum
H	M	
13	31	6

DIE 24. OCTOBRIS.

Immerfio Satellitis III.

Cælo Sudp. tubo 4. ped. Newt.

14	18	40
----	----	----

E A D E M D I E.

Emerfio ejusdem Satellitis

Tubo 4. ped. Newt.

17	52	33
----	----	----

DIE 7. NOVEMBRIS.

Immerfio Satellitis II.

Cælo Sereno. tubo 4. ped. Newt.

16	54	0
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DIE 25. NOVEMBRIS.

Immerfio Satellitis II.

Cælo nonnihil vaporoso. tubo 4. ped. Newt.

11	13	32
----	----	----

DIE 1. DECEMBRIS.

Immerfio Satellitis I.

Cælo fudo. tubo 4. ped. Newt.

11	50	55
----	----	----

DIE 2. DECEMBRIS.

Immerfio Satellitis II.

Luna fatis vicina. tubo 4. ped. News.

13	43	41
----	----	----



DIE 13. DECEMBRIS.

Immersio Satellitis III.

Cælo Sudo. tubo 4. ped. Newt.

Tem Ve.		
pus rum.		
H.	M	S.
17	54	9

DIE 15. DECEMBRIS.

Immersio Satellitis I.

Cælo circa Jovem Sereno. tubo 4. ped. Newt.

15	31	40
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DIE 24. DECEMBRIS.

Immersio Satellitis I.

Cælo Sereno, tubo 4. ped. Newt.

11	49	6
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Jan. 17. 1793.  
 17. 17. 93.  
 17. 17. 93.  
 17. 17. 93.

DIE 13. DECEMBERIS.

Inventio Satellitis III.

Celestis Sphæra, tabula 4. pæd. Newton.

DIE 14. DECEMBERIS.

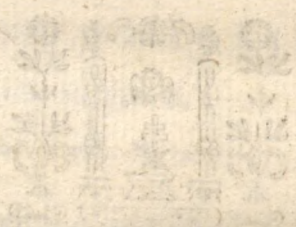
Inventio Satellitis II.

Celestis Sphæra, tabula 4. pæd. Newton.

DIE 24. DECEMBERIS.

Inventio Satellitis I.

Celestis Sphæra, tabula 4. pæd. Newton.



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Fig. I. Sept.

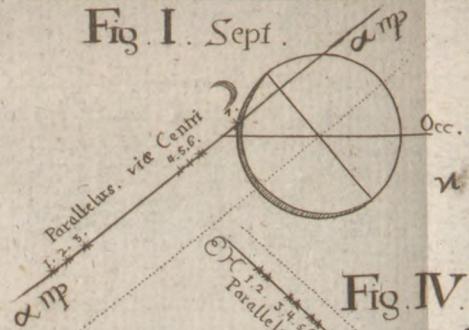


Fig. II. Sept.

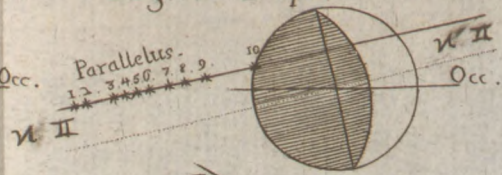


Fig. III. Sept.



Fig. IV. Sept.

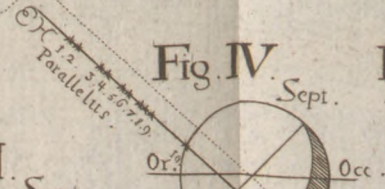


Fig. V.



Fig. VI. Sept.



Fig. VII. Sept.



Fig. VIII. Merid. Sept.



Fig. IX. Sept.



Fig. X.

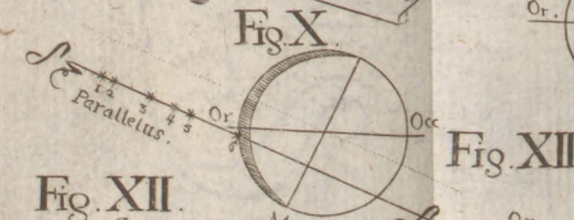


Fig. XIII. Sept.

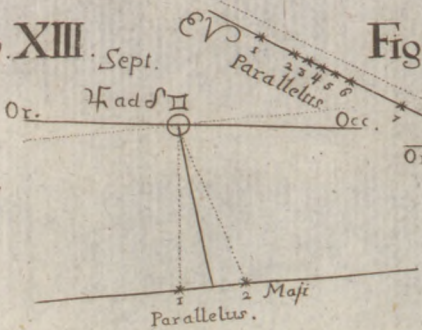


Fig. XI. Sept.

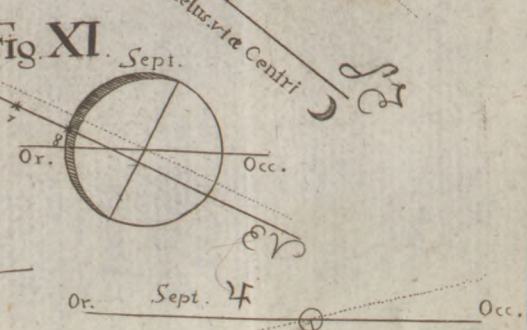


Fig. XII. Sept.



Fig. XIV.



Fig. XV.





1711



F. VI



1711



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WILSON

MAY 1

NO 2

