

OBSERVATIONES
IN MONTE S. GERARDI
1815. 1816. 1817. FACTÆ.

D I A R I U M
OBSERVATIONUM ASTRONOMICARUM
REGIAE BUDENSIS
SPECULAE

IN
MONTE SANCTI GERARDI.

SUB
AUSPICIIS
SERENISSIMI CAES. REG. HAERED.
HUNGARIAE ET BOHEMIAE PRINCIPIS
ARCHIDUCIS AUSTRIAE

AC
REGNI HUNGARIAE PALATINI
J O S E P H I

ANNO MDCCCXV. DIE XIX OCTOBRI

INCHOATUM.

Syoma Kabot

peston

in li

*Melnic en emboussedon
mehere*

Zuberlot

*Nagy Josef 9
Szabo János öngyrtok*



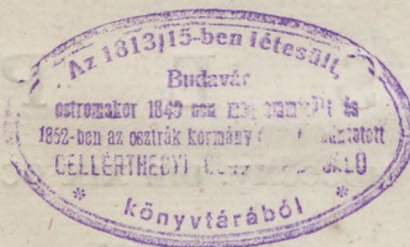
457

B U D A E,
TYPIS REGIAE UNIVERSITATIS HUNGARICAE.

Konkoly-alapítvány
m. kir. Astrophisikai Observatorium Budapest.
Könyvtára.

Leltár sz. 3367. C. sz. 251

Naplótétel sz. 251
1929/30. é.



OBSERVATIONES
CULMINATIONUM.

OBSERVATIO INAUGURALIS
SERENISSIMI CAES. REGII PRINCIPIS

DIE XIX. OCTOBRIS ANNI MDCCCXV.

FACTA.

Filum III.	Filum IV.	Filum V.
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⊙ 15^h 31' 10" 3' 25" 31' 40"
33 21 33 36 33 51

OBSERVATIONES CULMINATIONUM ANNI 1815.

Menses et Dies Civiles.	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
20. Octobris	⊙ α Piscis austrini β Begasi	13 ^h 34 ^m 25.2 36 36.3 45 47.0 53 13.0	34 ^m 40.8 51.8 46 47.7 53 29.9	34 ^m 55.8 6.7 46 22.0 53 46.7	35 ^m 10.8 22.0 46 38.8 54 2.0	35 ^m 25.9 37 37.8 46 56.8 54 20.2	35 ^m 41.3 52.8 47 14.0 54 27.0	35 ^m 56.8 7.8 47 21.1 54 52.5	13 ^h 36 ^m 16.49—0.54 22 46 ^m 39.12 — 0.72 22 54 ^m 3.25 — 0.25	Pasquich. obs. Firae hac die obser- vatae dederunt 0.651 pro Animo tho occidentali. Fili. N. et hanc Animutho nituntur Correctiones Culminationum. P. P. P.
21. —	Alphard Regulus ⊙ π Sagittarii	9 — — 9 56 56.8 38 10.2 40 21.8 57 6.4	17 12.7 57 12.8 38 25.8 40 37.2 57 22.8	17 27.7 57 27.8 38 40.8 40 52.4 57 38.7	17 42.6 57 42.0 38 56.0 41 7.3 57 54.6	17 57.8 57 58.8 39 11.6 41 22.8 58 10.8	18 12.8 58 13.8 39 26.5 41 38.0 58 26.9	— 58 28.9 39 41.9 41 53.3 58 42.7	9 17 42.61 — 0.62 9 57 42.06 — 0.37 13 40 1.75 — 0.54 18 57 54.62 — 0.63	Correctiones Culminationum ad Animuthum praecedens. In motu Horologi irregularitas aliqua praecipue post meridiem sensibilibus observata est. P. P. P. P.
22. —	⊙ β Cygni α Aquilae	13 45 41.4 47 52.7 21 33.1 40 8.8	45 56.7 48 8.2 21 50.2 40 24.0	46 11.3 48 23.0 22 7.0 40 38.9	46 26.7 48 38.2 22 23.9 40 54.0	46 41.8 48 54.0 22 40.8 41 9.0	46 57.2 49 9.1 22 57.7 41 24.1	47 12.4 49 24.2 23 14.1 41 39.0	13 47 32.63 — 0.55 19 22 23.75 — 0.25 19 40 53.90 — 0.41	Hac die motus Horologi regu- laritate perpendiculari ob irre- gularitatem 21 ^{ae} observationum an- te Culminationem Observatae sunt. Correctiones ob praec. Animuth. P. Kmeth obs. fuit. K.
24. —	γ Leonis ⊙	10 — — 13 49 31.5 54 43.4	8 24.0 49 46.9 51 58.8	8 39.8 50 1.9 52 14.0	8 55.9 50 17.2 52 29.0	9 11.8 50 32.8 52 44.6	9 27.8 50 48.0 52 59.9	— 51 3.2 53 15.0	10 8 55.75 — 0.30 13 51 23.23 — 0.55	Correctiones ob praec. Animuth. P. P.
25. —	⊙ σ Sagittarii π Sagittarii	13 — — 18 42 13.9 18 57 14.0	53 41.0 55 53.1 42 31.0 57 30.4	53 55.8 56 8.0 42 47.8 57 46.0	54 11.8 56 23.6 — 58 2.0	54 26.2 56 38.8 43 20.9 58 18.2	54 42.0 56 54.0 43 37.8 58 34.5	— — 43 54.0 58 50.4	13 55 17.25 — 0.56 18 43 4.14 — 0.68 18 58 2.14 — 0.63	Nebula. ⊙ difficillime observata. Correctiones ob praec. Animuth. P. P. P.
28. Novembr.	⊙	16 11 44.0 14 3.7	12 0.0 14 20.2	12 16.2 14 35.9	12 31.8 14 52.1	12 48.0 15 8.4	13 4.2 15 24.2	13 20.2 15 40.2	16 13 42.01 — 0.63	Coelo constantiter iam nubilo iam in obscuro et pluvio nulla sit obser- vatio. Reperitur tectis horologium, dicitur genitus et emendatur. ⊙ coelo in fausto observatur. P.
30. —	Spica limb. Ariet. ♀ Arcturus ⊙ Al-Tair α Cygni α Piscis austrini Centrum ♂	13 — — 13 37 58.0 14 — — 16 — — 19 — — 20 — — 22 — — 1 — —	14 55.0 28 13.8 6 39.0 20 33.0 22 59.7 41 13.2 34 22.7 46 49.5 7 5.2	15 10.0 38 28.8 6 54.7 20 54.3 23 15.2 41 27.9 34 43.4 47 6.4 7 20.2	15 25.0 38 43.4 7 10.8 21 10.9 23 31.1 41 43.0 35 4.0 47 23.9 7 35.2	15 40.4 38 58.3 7 26.5 21 27.0 23 47.3 41 58.0 35 25.3 47 41.2 7 50.5	15 55.7 39 13.5 7 42.4 21 43.0 24 3.2 42 13.2 35 46.5 47 58.8 8 5.3	13 15 25.11 — 0.57 13 38 43.47 — 0.55 14 7 10.57 — 0.33 16 22 21.00 — 0.63 19 41 42.95 — 0.43 20 35 4.23 — 0.05 22 47 23.83 — 0.76 1 7 35.17 — 0.44	Observationes α Cygni et α Piscis austrini dederunt 0.689 pro Animutho occidentali. Fili. meridiani seu IV ^{ae} et e. nituntur omnes Correctiones Culmi- nationum. P. P. P. P. P. P. P. P.	

OBSERVATIONES CULMINATIONUM ANNI 1815

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
2 Decembris	Spica	13 ^h	14 ^m 56 ^s .7	15 ^m 11 ^s .3	15 ^m 26 ^s .8	15 ^m 42 ^s .0	15 ^m 57 ^s .0	—	13 ^h 15 ^m 26 ^s .65	P. <i>Ante observationes Culminationum Culminationem versus Orientem ad quantitatem promotum fuit minimum ob Arcturum Occidentale die 30^a Novembris inventum. Fixae: Spica, γ Ursae, et Arcturus solum officus in meridiano confirmare videntur et ideo Culminationes observatae nullis correctionibus opus habent.</i>
	Limbo Orient. ♀	13	33 22.0	33 36.8	33 51.9	34 7.0	34 22.0	—	13 33 51.82	P.
	γ Ursae maior	13	39 25.2	39 48.7	40 11.8	40 35.2	40 58.7	—	13 40 11.75	P.
	Arcturus	14	6 40.2	6 55.8	7 11.9	7 28.0	7 43.8	—	14 7 11.83	P.
	☉	16	29 18.0	29 34.0	29 49.8	30 6.1	30 22.5	—	16 31 0.22	P.
			31 38.8	31 54.5	32 10.8	32 27.0	32 43.0	—		
12. —	☉	17	12 13.0	12 28.6	12 45.0	14 1.2	14 18.2	—	17 14 56.23	P.
	ω Piscium	23	15 35.0	15 51.0	16 7.2	16 23.4	16 39.8	—	23 50 183	P.
	α Andromedae	23	49 32.0	49 46.4	50 1.8	50 17.0	50 32.0	—	23 59 3.63	P.
15. —	η Begasi	22	34 37	34 20.6	34 37.4	34 54.8	35 11.7	—	22 34 37.52	P.
	Fomalhut	22	47 7.6	47 24.6	47 42.0	47 59.7	48 16.4	—	22 47 41.93	P.
	β Begasi	22	54 32.8	54 49.8	55 6.0	55 22.9	55 39.8	—	22 55 6.14	P.
	ω Piscium	23	49 37.1	49 52.1	50 7.1	50 21.9	50 37.0	—	23 50 6.93	P.
	29 Ceti	23	54 2.5	54 17.7	54 33.5	54 49.6	55 5.0	—	23 54 33.55	P.
	α Andromedae	23	58 34.8	58 51.3	59 8.7	59 25.4	59 42.0	—	23 59 8.32	P.
	Centrum ♂	1	19 40.3	19 55.3	20 10.0	20 25.3	20 40.5	—	1 20 10.17	P.
								—		
16. —	δ Virginis	12	46 5.4	46 20.2	46 34.9	46 50.0	47 4.8	—	12 46 34.97	P.
	ε Virginis	12	52 46.0	52 0.5	53 15.5	53 31.0	53 46.6	—	12 53 15.81	P.
	Spica	13	15 15.7	15 30.8	15 46.0	16 0.8	16 16.2	—	13 15 45.79	P.
	γ Ursae maior	13	39 44.9	40 7.4	40 30.5	40 54.4	41 17.5	—	13 40 30.77	P.
19. —	γ Virginis	12	10 21.0	10 35.8	10 50.4	11 5.5	11 20.5	—	12 10 50.35	P.
	δ Corvi	12	20 11.7	20 27.0	20 42.2	20 58.0	21 13.4	—	12 20 42.35	P.
	β Corvi	12	24 33.5	24 49.4	25 5.3	25 21.8	25 37.8	—	12 25 5.44	P.
	γ Virginis	12	32 11.8	32 26.2	32 41.4	32 55.9	33 11.1	—	12 32 41.24	P.
	Spica	13	15 21.1	15 36.4	15 51.3	16 6.6	16 22.0	—	13 15 51.37	P.
	γ Ursae maior	13	39 50.1	40 13.3	40 36.4	41 0.0	41 23.3	—	13 40 36.53	P.
	Arcturus	14	7 5.1	7 20.8	7 36.9	7 52.8	8 8.7	—	14 7 36.75	P.
								—		
20. —	Deneb	20	34 49.4	35 10.1	35 21.0	35 52.1	36 13.0	—	20 35 31.17	P.
	Fomalhut	22	47 15.8	47 32.9	47 50.1	48 7.7	48 24.9	—	22 47 50.16	P.
	Markab	22	55 28.0	55 43.3	55 58.8	56 14.0	56 29.4	—	22 55 58.59	P.
	Aldebaran	4	25 15.6	25 31.0	25 46.6	26 2.0	26 17.4	—	4 25 46.41	P.
	υ 2 Eridani	4	—	28 31.9	28 49.1	29 6.8	29 23.9	—	4 28 49.13	P.

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
21. Decembris	♂ Virginis ε Virginis Spica	12 ^h 12 13	46 ^h 13.0 52 52.4 15 22.9	46 ^h 28.0 53 9.0 15 28.7	46 ^h 42.8 53 24.0 15 52.3	46 ^h 58.0 53 29.0 16 8.8	47 ^h 12.9 53 54.0 16 23.7	— — —	12 ^h 46 ^h 42.83 12 53 23.77 13 15 52.27	P. P. P. Fixae male visae, et dissipati luminis.
22. —	☉	17	57 118.0 60 10.7	58 41.0 60 26.7	58 20.8 60 43.5	58 36.9 60 59.8	58 53.0 61 16.0	— — —	17 59 31.83	K.
1816 2. Januarii	ε Bersei γ Tauri ε Tauri Aldebaran υ 2. Eridani	3 4 4 4 4	45 29.0 9 24.7 17 57.0 25 26.7 28 25.8	45 48.0 9 39.8 18 12.7 25 42.0 28 42.8	46 7.3 9 55.3 18 28.0 25 57.9 28 59.8	46 26.5 10 10.8 18 44.0 26 13.2 29 17.7	46 45.6 10 26.3 18 59.8 26 28.9 29 35.0	— — — — —	3 46 7.22 4 9 55.27 4 18 28.19 4 25 57.63 4 29 0.09	P. P. P. P. P.
10. —	γ Centauri Arcturus δ Orionis	13 14 5	55 54.5 7 22.0 22 46.0	56 12.8 7 37.7 23 0.6	56 30.9 7 52.6 23 15.4	56 49.7 8 9.4 —	57 7.6 8 25.5 23 45.3	— — —	13 56 20.968 14 7 53.531 5 23 15.440	P. P. P.
11. —	η Ursae maior. γ Centauri	13 13	40 7.4 55 54.1	40 20.4 56 12.2	40 52.3 56 30.6	41 17.0 56 49.2	41 40.2 57 7.4	— — —	13 40 53.391 13 56 30.568	P. P. Fixae trans nubes pessime visae.
21. —	β Andromedae Centrum Capella Rigel β Tauri δ Orionis α Columbae α Orionis	0 2 5 5 5 5 5 5	59 25.8 37 3.0 2 59.3 — 14 41.9 22 42.0 32 59.9 —	59 43.4 37 18.6 2 20.8 6 2.9 14 58.8 22 57.2 32 17.8 —	0 1.8 37 34.0 3 41.9 6 17.8 15 15.4 23 12.5 33 35.9 45 48.8	0 19.9 37 49.8 4 3.8 6 32.8 15 32.5 23 27.5 33 53.9 46 3.7	0 38.0 38 5.1 4 24.8 6 47.8 15 49.4 23 42.5 34 11.8 46 17.8	— — — — — — — —	1 0 1.697 2 37 22.987 5 3 41.966 5 6 17.725 5 15 15.477 5 23 12.432 5 33 35.721 5 45 48.642	P. K. P. P. P. P. P. P. Post diurnas, densas, et humi- das nebulas, nonnunquam etiam pluvias repente coeli serenitas, et frigoris satis intendum sequitur, a- strisque omnia observata trippa, dissipari luminis apparent.
1. Februarii	γ Gemma α Serpentis Antares ☉ Centrum	15 15 16 20 2	26 55.2 35 17.7 18 10.2 54 58.8 57 15.3 39 7.8	27 12.0 35 32.6 18 26.2 55 44.2 57 30.8 39 23.0	27 29.0 35 47.6 18 42.5 55 29.8 57 46.6 39 38.8	27 45.8 36 2.8 19 0.3 55 45.7 58 2.2 39 54.1	28 2.1 36 17.7 19 16.7 56 1.0 58 17.8 40 10.0	— — — — — —	15 27 28.670 15 35 47.571 16 18 43.260 20 56 38.157 2 39 38.627	P. P. P. K. P. Idem, quod praecedente die.

OBSERVATIONES CULMINATIONUM ANNI 1816

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
1 ^a Februarii	Capella Rigel	5 ^h 5	2 ^h 0 ^m 8 ^s 5 49.0	2 ^h 21 ^m 8 ^s 6 4.0	2 ^h 43 ^m 0 ^s 6 18.9	4 ^h 4 ^m 8 ^s 6 24.4	4 ^h 25 ^m 8 ^s 6 49.8	— —	5 ^h 2 ^m 43 ^s 086 5 6 19.111	P. P.
19. Martii	Capella α Orionis	23 5	54 27.0 56 26.0 2 0.7 45 19.6	54 41.8 56 51.0 2 21.7 45 24.7	54 56.1 57 5.9 2 43.0 45 49.8	55 11.8 57 21.0 4 4.7 46 4.9	55 26.5 57 26.0 4 26.0 46 19.9	— — — —	23 56 1.20 5 2 42.07 5 45 49.74	K. P. P. P.
28. —	—	0	27 9.2 29 18.3	27 23.8 29 32.9	27 28.8 29 48.2	27 54.0 30 3.1	28 9.1 30 17.9	— —	0 28 43.42	P.
29. —	—	0	30 48.0 32 56.0	31 2.8 33 11.8	31 17.5 33 26.4	31 33.0 33 41.9	31 47.8 33 57.0	— —	0 32 22.22	K.
5 Aprilis	Capella Rigel β Tauri Sirius Limbus Occ. ☾	5 ^h 5 ^h 5 ^h 6 7	3 1.1 — 14 43.8 37 9.9 10 56.5	3 22.8 6 4.8 15 0.9 37 25.0 11 13.4	3 43.9 6 19.8 15 17.7 37 40.7 11 30.3	6 35.0 15 34.8 37 56.4 11 47.2	6 50.0 15 51.8 38 11.4 12 3.8	— — — —	5 3 43.823 5 6 19.800 5 15 14.644 6 37 40.568 7 11 30.141	P.
—	Canis Castor Procyon Pollux Denebola α Corvi β Virginis Spica	7 7 7 7 11 11 12 13	16 53.8 22 53.5 29 48.5 34 7.3 — 59 3.8 16 39.7 15 40.3	17 10.8 23 11.2 30 3.6 34 24.0 40 3.8 59 19.8 10 54.3 15 55.1	17 27.8 23 28.9 30 18.4 34 40.9 40 19.2 59 36.1 11 9.2 16 10.2	17 44.9 23 46.4 30 33.5 — 40 35.0 59 52.7 11 24.1 16 25.4	18 1.9 24 4.4 30 48.4 35 14.9 40 50.3 60 8.7 11 39.0 16 40.5	— — — — — — — —	7 17 27.717 7 23 28.752 7 30 18.372 7 34 40.882 11 40 19.216 11 59 36.089 12 11 9.151 13 16 10.188	P.
6 —	Centrum Capella Rigel β Tauri α Orionis Limbus Occ. ☾	11 5 5 5 6 8	10 46.3 — 5 49.8 14 43.7 45 20.4 12 22.1	11 0.9 — — 15 0.3 45 35.2 12 49.0	11 16.4 3 43.4 6 19.0 15 17.3 45 50.3 13 5.2	11 31.0 4 5.0 6 34.8 15 34.2 46 5.6 13 22.0	11 48.5 4 26.7 6 49.8 15 41.3 46 20.3 13 28.7	— — — — — —	11 11 16.031 5 3 43.617 5 6 19.616 5 15 17.257 5 45 50.253 8 13 5.283	P. P. P. P. P. K.
17 —	Procyon Pollux	7 7	29 46.3 34 4.7	30 0.9 34 21.7	30 16.0 34 38.6	30 31.0 34 55.7	30 46.0 35 12.7	— —	7 30 15.932 7 34 38.557	P.

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
19 ^a Aprilis	Capella Rigel γ Leonis	5 ^h 5 10	— — —	2 ^h 58 ^m .1 3 46.2 9 53.4	3 ^h 19 ^m .2 6 1.4 10 8.9	4 ^h 2.2 6 31.8 10 40.9	— 6 ^h 46 ^m .8 10 56.8	— — —	5 ^h 3 ^m 40 ^s .620 5 6 16.451 10 10 24.855	
22 ^a —	δ Virginis ε Virginis ζ Spica η Virginis ι Ursae κ Bootis λ Centauri	12 12 13 13 13 13 13	— — — — — — —	4 ^h 25.0 5 47.3 15 35.1 25 24.3 40 5.2 45 58.6 55 —	4 ^h 39.8 5 20.3 15 50.0 25 39.0 40 28.4 46 14.2 56 10.5	4 ^h 9.8 5 50.7 16 20.7 26 9.7 41 15.3 46 45.8 56 47.0	4 ^h 24.8 5 6.0 16 35.8 26 23.9 41 38.8 47 1.7 57 5.7	— — — — — — —	12 46 54.73 12 53 35.42 13 16 5.39 13 25 53.93 13 40 51.66 13 46 29.95 13 56 28.72	P
23 ^a —	Arcturus Centrum α	14 14	— —	7 19.0 15 12.5	7 35.0 15 27.3	8 6.9 15 58.2	8 23.0 16 13.5	— —	14 7 50.87 14 15 42.69	K.
23 ^a —	α Corvi δ Virginis ε Virginis ζ Spica η Virginis ι Ursae κ Bootis λ Centauri	11 12 12 13 13 13 13 13	— — — — — — — —	5 ^h 59.0 4 ^h 25.4 5 5.7 15 35.8 25 24.9 40 5.7 45 59.0 55 52.7	5 ^h 15.4 4 ^h 40.4 5 20.9 15 50.8 25 39.8 40 29.0 46 14.7 56 10.7	5 ^h 47.7 4 ^h 10.4 5 51.5 16 21.5 26 9.7 41 15.9 46 46.5 56 47.6	6 ^h 4.7 4 ^h 25.3 5 6.8 16 36.6 26 24.6 41 39.3 47 2.5 57 5.9	— — — — — — — —	11 59 31.53 12 46 55.29 12 53 36.07 13 16 5.99 13 25 54.67 13 40 52.31 13 46 30.53 13 56 29.05	P
24 ^a —	Arcturus Centrum α	14 14	— —	7 35.7 14 58.4	7 51.7 15 44.0	8 7.5 15 29.3	8 23.5 15 44.5	— —	14 7 51.55 14 15 43.81	K.
24 ^a —	γ Corvi η Virginis δ Virginis ε Virginis ζ Virginis ι Ursae κ Bootis λ Centauri	12 12 12 12 13 13 13 14	— — — — — — — —	6 25.2 10 34.5 4 ^h 25.1 5 5.3 25 — 40 5.4 45 58.9 7 19.3	6 40.3 10 49.6 4 ^h 40.0 5 20.4 25 39.3 40 28.8 46 14.3 7 35.0	7 11.2 11 19.3 4 ^h 9.9 5 51.0 26 9.4 41 15.6 46 46.4 8 7.0	7 27.4 11 34.3 4 ^h 25.0 5 6.4 26 24.1 41 — 47 2.0 8 23.0	— — — — — — — —	12 6 55.91 12 11 4.29 12 46 54.87 12 53 35.65 13 25 54.18 13 40 51.94 13 46 30.23 14 7 50.95	P
25 ^a —	Arcturus Centrum α	14 14	— —	14 13.5 14 28.4	14 44.0 14 28.4	14 58.9 14 58.9	15 14.5 15 14.5	— —	14 14 43.75	K.

Die 25^a 4^a in 8. cum 0.

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
30 ^a Aprilis	Crateris β Leonis α Corvi	11 ^h — —	35' 28".0 39 41.0 58 56.7	35' 43".5 39 56.5 59 12.3	35' 58".9 40 11.8 59 28.7	36' 14".7 40 27.7 59 45.3	36' 30".6 40 43.0 60 1.7	— — —	11 35' 59".027 11 40 11.888 11 59 28.809	p
1 ^a Maii	ε Pegasi Centrum ♀ ○ Capella β Leonis	21 1 2 5	35 10.2 3 9.0 32 — 34 59.1	35 24.9 3 23.8 33 2.2 35 14.0	35 40.0 3 38.9 33 17.5 35 29.8	35 55.4 3 54.0 35 46.0	36 10.5 4 8.7 36 1.0	— — — —	21 35 40.091 1 3 38.770 2 34 23.709 5 3 36.746 11 40 11.908	K P
2 ^a —	α Cygni ε Cygni ♀ Centrum ♀ Capella Rigel Sirius	20 20 1 5 5 6	34 58.8 38 41.0 7 38.9 2 53.6 5 41.8 37 1.0	35 19.3 38 58.9 7 53.2 3 14.0 5 56.6 37 16.0	35 40.2 39 16.9 8 8.1 3 35.7 6 11.4 37 31.8	36 1.7 39 35.0 8 23.8 3 57.3 6 26.6 37 47.7	36 22.7 39 52.7 8 38.5 4 18.8 6 41.8 38 3.0	— — — — — —	20 35 40.388 20 39 16.771 1 8 8.405 5 3 35.726 5 6 11.531 6 37 31.788	P K P
3 ^a —	Centrum ♀ ○ Brocyon Pollux Crateris β Leonis α Corvi	1 2 7 7 11 11 11	12 9.0 40 23.4 42 36.1 29 48.8 33 57.8 35 25.7 39 39.1 58 54.2	12 23.7 40 38.8 42 51.1 29 53.5 34 14.3 35 41.0 39 54.2 59 10.0	12 38.4 40 54.0 43 6.8 30 8.1 34 30.9 35 56.6 40 9.8 59 26.4	12 54.0 41 10.0 43 22.8 30 23.8 34 47.8 36 12.7 40 25.6 59 42.8	13 8.6 41 25.0 43 37.8 30 38.8 35 5.0 36 28.0 40 41.0 59 59.0	— — — — — — — —	1 12 38.592 2 42 0.468 7 30 8.552 7 34 31.037 11 35 56.687 11 40 9.830 11 59 26.349	K. P
4 ^a —	ε Cygni Centrum ♀ ○ Capella Rigel Sirius Castor	20 1 2 5 5 6 7	38 39.7 16 39.0 44 12.3 46 24.7 2 51.4 5 40.0 36 59.2	38 57.0 16 53.8 44 27.6 46 39.9 3 12.4 5 54.8 37 14.4 23 0.9	39 14.9 17 9.0 44 43.0 46 55.6 3 34.0 6 9.7 37 29.9 23 18.0	39 33.0 17 24.3 44 58.8 47 11.5 3 55.8 6 24.8 37 45.9 23 36.3	39 50.9 17 39.0 45 14.3 47 26.8 4 16.8 6 39.9 38 1.3 23 54.0	— — — — — — — —	20 39 14.971 1 17 8.612 2 45 49.318 5 3 33.925 5 6 9.632 6 37 30.028 7 23 18.407	P
5 ^a —	Castor Procyon Pollux Simb. Occid. C	7 7 7 9	22 42.0 29 36.9 33 55.8 53 36.8	22 59.6 29 51.7 34 12.0 53 51.5	23 14.0 30 6.7 34 29.2 54 7.7	23 35.3 30 21.8 34 46.7 54 23.9	23 52.5 30 36.8 35 3.0 54 39.7	— — — —	7 23 17.152 7 30 6.672 7 34 29.197 9 54 7.808	P K

K. + m. mod. filum 38.8
m. maxima halloca m.
huica latitudine australi.

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
18 ^a Maii.	p. Aquarii. e. Regasi. p. Regasi. 	— — — —	11 57.4 — 42.0 57.6	11 12.8 53.8 58.8 13.4	22' 12.0 28.0 10.5 14.2 29.0	22' 28.0 42.9 22.0 30.5 45.0	22' 40.9 — 43.9 46.0 4.0	— — — — — —	21 ^a 21 22 — 40 21.954	Omnis observationes, quae proceperunt, in argumentis illis factae sunt, quibus modo fila araneorum substituta fuere.
19 ^a —	d. Leonis, p. Leonis. γ. Ursae maj.	— — —	22.7 29.0 34.8	32.8 44.4 0.7	58 59 44	8.2 15.3 51.9	23.4 30.8 17.8	— — —	9 11 11	P.
20 ^a —	e. Regasi. d. Aquarii. Limb. orient. d. Caminorum d. Canis min. p. Geminarum. d. Hydræ. d. Leonis. p. Leonis. γ. Ursae maj. γ. Corvi.	— — — — — — — — — — —	58.5 9.3 53.0 41.4 56.4 — 28.8 — 22.3 29.0 29.0 10.8	13.7 24.7 9.0 54.4 12.5 — 43.7 4.2 37.1 38.1 44.7 0.8 26.2	35 56 1 47 49 — 23 29 18 58 39 43 6	43.7 54.8 40.0 29.7 44.0 26.8 13.5 38.0 7.0 8.5 15.4 52.1 56.9	58.9 10.1 55.8 44.7 — — 24.5 28.5 53.0 22.2 24.0 30.8 17.8 12.6	— — — — — — — — — — — — — —	21 21 23 — — — — — — — — — — —	P. P. K. P. K. P.
24 ^a —	p. Leonis γ. Ursae maj. d. Corvi. γ. Corvi. γ. Virginis	— — — — —	29.7 35.4 44.9 41.0 20.8	45.0 7.7 2.1 26.9 35.9	40 44 59 6 10	15.9 52.8 52.7 57.1 5.5	46.9 — 6.0 28.8 33.1	— — — — —	41 41 41 12 12	P. P. P. P. P.
25 ^a —	p. Aquarii e. Regasi. d. Aquarii. d. Aurigæ p. Orionis Sirius	— — — — — — —	42.4 59.0 10.6 46.0 2.4 42.0 30.8 50.0	57.8 14.1 25.1 2.3 18.0 3.5 45.8 5.4	22 35 56 4 9 3 6 37	24.0 44.3 54.8 44.1 49.9 45.9 15.8 36.8	— — — — — — — —	21 21 21 24 5 5 6	12.516 29.500 40.120 262.06 24.882 0.896 21.182	P. P. P. P. P. P. P.

OBSERVATIONES CULMINATIONUM ANNI 1816

[illegible]

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum- II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
2 ^o Junii.	γ. Corvi.	12 ^h	6 ^l 4.4	20.0	6 ^l 35.9	51.1	7 ^l 6.8	—	12 ^h 35.460	K.
	ρ. Corvi.	12	24 26.7	43.0	59.0	15.0	25 31.1	—	24 59.240	—
	γ. Virginis.	12	33 5.0	20.0	35.0	49.8	33 4.5	—	33 24.920	—
	δ. Virginis.	12	46 5.0	19.8	34.7	49.6	47 4.5	—	46 34.446	—
	ε. Virginis.	12	52 45.1	0.2	15.2	30.3	53 45.6	—	53 15.320	—
3 ^o	γ. Regasi.	22	34 2.5	19.9	36.8	53.9	35 10.8	—	34 36.858	P.
	α. Regasi.	22	55 18.8	34.0	49.8	4.9	58 20.3	—	55 49.620	—
	Centrum ♀	13	38 41.6	27.4	42.8	58.4	39 14.2	—	38 42.922	—
	Centrum ♀	3	43 11.0	26.9	42.7	58.2	44 14.0	—	43 42.622	K.
	α. Ursae majoris	6	32 47.2	3.6	20.0	36.0	33 53.0	—	32 20.026	P.
4 ^o	ρ. Leonis.	10	—	56.2	29.4	1.4	53 34.1	—	52 29.148	—
	γ. Ursae majoris.	11	39 22.3	38.2	53.4	9.0	40 24.4	—	39 53.321	—
	δ. Ursae majoris.	11	43 28.0	53.7	19.7	41.7	45 10.9	—	44 19.627	—
	Limbus Orbis. ☾	12	22 50.7	6.0	21.0	36.8	23 51.7	—	22 21.300	—
	δ. Centauri.	13	55 31.0	49.9	86.2	26.4	56 44.5	—	55 8.042	—
5 ^o	γ. Virginis.	14	—	5.0	19.9	34.9	3 30.0	—	14 19.966	—
	δ. Bootis.	14	18 21.6	43.8	10.6	34.8	19 59.4	—	14 10.536	—
	Centrum ♀	3	58 12.5	28.8	44.3	59.2	59 15.9	—	58 44.202	P.
	α. Leonis.	9	59 42.4	59.9	55.9	32.0	60 48.0	—	59 24.554	K.
	ρ. Leonis.	11	62 0.7	16.9	33.3	49.3	63 5.5	—	58 45.000	—
6 ^o	γ. Ursae majoris.	11	58 14.4	29.9	45.0	0.0	59 15.4	—	59 54.560	—
	γ. Corvi.	11	39 22.8	36.0	51.6	40 22.1	40 9.0	—	44 44.560	—
	δ. Ursae majoris.	11	44 26.0	51.8	17.5	43.0	45 9.0	—	44 44.560	—
	γ. Corvi.	12	6 14.8	14.8	33.2	48.5	4 4.1	—	6 33.195	—
	Limbus Orbis. ☾	15	6 19.8	19.8	35.1	54.0	4 6.8	—	6 35.340	—
7 ^o	γ. Ursae majoris.	13	39 41.0	4.1	27.6	50.5	41 13.8	—	40 24.492	K.
	δ. Centauri	13	2 46.4	—	4.5	22.8	56 41.0	—	56 4.576	—
	γ. Virginis	14	6 45.3	1.0	16.2	31.1	3 45.8	—	3 16.158	—
	δ. Arcturus	14	54 32.0	11.0	27.0	43.0	7 58.9	—	7 27.144	—
	β Bootis	14	26 31.2	52.1	11.9	31.1	55 51.0	—	55 11.700	—
8 ^o	α Coronae Bor.	15	17 46.8	48.1	5.0	21.6	27 38.0	—	27 4.848	—
	α Scorpii	16	18 3.0	3.0	19.7	37.0	18 52.9	—	18 19.948	—
	Limbus Occ. ☾	17	3 45.0	1.7	18.0	35.0	4 51.8	—	4 18.364	—

Die Jagnauch 5^o Junii
♀ in distanti media a ☾
♂ in maxima orientali
dispositione a ☾.

OBSERVATIONES CULMINATIONUM ANNI 1816.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones							
10 ^{is} Junii	α Cygni	20 ^k	34 ^k	37 ^g	34 ^k	58 ^s	34 ^k	19 ^h 4	35 ^k	40 ^h	36 ^k	1 ^h 3	20 ^k	35 ^k	19 ^h 58 ²	P.	Observatio p. Aquarii facta est a Serenissima Archiducissa Maximiana, Archiducis Josephi Rala- tini Regni Hung. Coniuge.
	γ. Regasi.	22	34 ^k	58 ^s	34 ^k	15 ^h	34 ^k	49 ^h	34 ^k	49 ^h	35 ^k	6 ^h 4	22 ^k	34 ^k	32 ^h 59 ⁰		
	δ. Boeis asphini.	22	24 ^k	2 ^h	24 ^k	20 ^h	24 ^k	54 ^h	24 ^k	54 ^h	24 ^k	11 ^h 8	22 ^k	47 ^k	34 ^h 28 ⁰		
	ε. Regasi.	22	55 ^k	11 ^h	55 ^k	24 ^h	55 ^k	0 ^h 4	56 ^k	18 ^h 9	56 ^k	18 ^h 9	20 ^k	55 ^k	45 ^h 29 ⁸		
	pe. Aquarii.	20	24 ^k	23 ^h	24 ^k	38 ^h 5	24 ^k	54 ^h 0	42 ^k	8 ^h 5	42 ^k	24 ^h 0	20 ^k	42 ^k	53 ^h 66 ⁰		
	Centrum.	24	12 ^k	24 ^h 9	12 ^k	40 ^h 8	12 ^k	56 ^h 4	12 ^k	12 ^h 4	12 ^k	28 ^h 4	24 ^k	12 ^k	56 ^h 66 ²	P.	
	ζ. Virginis.	5	14 ^k	22 ^h 4	14 ^k	13 ^h 9	14 ^k	54 ^h 9	14 ^k	11 ^h 2	15 ^k	24 ^h 5	5 ^k	15 ^k	46 ^h 55 ⁶	P.	
	η. Ursa majoris.	13	25 ^k	0 ^h 0	25 ^k	15 ^h 0	25 ^k	44 ^h 4	25 ^k	44 ^h 4	25 ^k	59 ^h 3	13 ^k	25 ^k	29 ^h 54 ⁰	K.	
	ι. Centauri.	13	55 ^k	24 ^h 8	55 ^k	46 ^h 0	55 ^k	42 ^h 2	55 ^k	22 ^h 3	55 ^k	40 ^h 4	13 ^k	55 ^k	42 ^h 52 ²		
11 ^{is}	γ. Regasi.	22	—	—	34 ^k	33 ^h 4	34 ^k	50 ^h 0	34 ^k	4 ^h 3	34 ^k	4 ^h 3	22 ^k	34 ^k	32 ^h 24 ⁸	P.	
	δ. Boeis asphini.	22	—	—	24 ^k	34 ^h 4	24 ^k	54 ^h 9	24 ^k	12 ^h 1	24 ^k	12 ^h 1	22 ^k	47 ^k	34 ^h 69 ⁰		
	ε. Regasi.	22	55 ^k	15 ^h 1	55 ^k	30 ^h 5	55 ^k	1 ^h 0	55 ^k	16 ^h 4	55 ^k	16 ^h 4	22 ^k	55 ^k	45 ^h 44 ⁰		
	δ. Andromedae.	24	58 ^k	29 ^h 5	58 ^k	46 ^h 3	58 ^k	19 ^h 9	58 ^k	36 ^h 4	58 ^k	36 ^h 4	24 ^k	58 ^k	3 ^h 08 ⁸		
	γ. Regasi.	0	—	—	3 ^k	35 ^h 8	4 ^k	10 ^h 9	4 ^k	26 ^h 4	0	26 ^h 4	24 ^k	3 ^k	55 ^h 85 ²		
	Centrum.	24	18 ^k	32 ^h 5	18 ^k	48 ^h 2	19 ^k	19 ^h 8	19 ^k	36 ^h 2	24 ^k	36 ^h 2	24 ^k	19 ^k	42 ^h 62 ²		
	δ. Canis majoris.	5	16 ^k	44 ^h 0	16 ^k	30 ^h 1	17 ^k	2 ^h 4	17 ^k	18 ^h 2	5 ^k	18 ^h 2	5 ^k	17 ^k	53 ^h 24 ⁴		
	ε. Virginis.	6	18 ^k	41 ^h 3	18 ^k	44 ^h 3	19 ^k	20 ^h 2	19 ^k	37 ^h 3	6 ^k	37 ^h 3	6 ^k	17 ^k	41 ^h 08 ⁰		
	ζ. Virginis.	13	24 ^k	59 ^h 9	24 ^k	15 ^h 0	24 ^k	36 ^h 3	24 ^k	44 ^h 8	13 ^k	44 ^h 8	13 ^k	15 ^k	44 ^h 22 ⁰		
	η. Ursa majoris.	13	39 ^k	40 ^h 8	39 ^k	15 ^h 0	39 ^k	44 ^h 8	39 ^k	59 ^h 4	13 ^k	59 ^h 4	13 ^k	25 ^k	29 ^h 82 ⁰		
	ι. Bootis.	13	45 ^k	34 ^h 3	45 ^k	30 ^h 4	45 ^k	50 ^h 4	45 ^k	15 ^h 2	13 ^k	15 ^h 2	13 ^k	40 ^k	24 ^h 53 ²		
	δ. Centauri.	13	55 ^k	28 ^h 0	55 ^k	46 ^h 0	55 ^k	21 ^h 9	55 ^k	37 ^h 9	13 ^k	37 ^h 9	13 ^k	46 ^k	6 ^h 14 ²		
12 ^{is}	γ. Regasi.	22	34 ^k	59 ^h 0	34 ^k	15 ^h 9	34 ^k	49 ^h 9	34 ^k	4 ^h 0	34 ^k	4 ^h 0	22 ^k	34 ^k	33 ^h 01 ⁰	P.	
	δ. Boeis asphini.	22	44 ^k	34 ^h 0	44 ^k	20 ^h 2	44 ^k	54 ^h 6	44 ^k	11 ^h 8	22 ^k	11 ^h 8	22 ^k	47 ^k	34 ^h 45 ⁰		
	ε. Regasi.	22	55 ^k	15 ^h 0	55 ^k	30 ^h 2	55 ^k	1 ^h 0	55 ^k	16 ^h 0	22 ^k	16 ^h 0	22 ^k	55 ^k	45 ^h 63 ⁵		
	δ. Andromedae.	24	58 ^k	29 ^h 8	58 ^k	45 ^h 9	58 ^k	19 ^h 6	58 ^k	36 ^h 4	23 ^k	36 ^h 4	23 ^k	58 ^k	3 ^h 06 ⁸		
	γ. Regasi.	0	3 ^k	24 ^h 8	3 ^k	39 ^h 9	4 ^k	10 ^h 8	4 ^k	26 ^h 0	0	26 ^h 0	0 ^k	3 ^k	55 ^h 44 ⁰		
	Centrum.	24	23 ^k	40 ^h 8	23 ^k	56 ^h 0	24 ^k	26 ^h 0	24 ^k	44 ^h 0	4 ^k	44 ^h 0	4 ^k	24 ^k	12 ^h 22 ²	K.	
	α Aurigae	5	2 ^k	31 ^h 8	2 ^k	53 ^h 0	3 ^k	14 ^h 0	3 ^k	56 ^h 5	5 ^k	56 ^h 5	5 ^k	3 ^k	14 ^h 20 ⁴		
	α Canis mai.	6	20 ^k	22 ^h 0	20 ^k	38 ^h 0	20 ^k	54 ^h 5	20 ^k	27 ^h 0	6 ^k	27 ^h 0	6 ^k	22 ^k	3 ^h 44 ⁴		
			22 ^k	39 ^h 9	22 ^k	56 ^h 0	22 ^k	12 ^h 2	22 ^k	44 ^h 7		44 ^h 7		37 ^k	10 ^h 66 ⁸		

OBSERVATIONES CULMINATIONUM ANNI 1817.

Menses et Dies Caelos.	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones	
2 ^a Martii	α. Lyrae.	18 ^h	52.8	50.8	49.8	48.8	27.8	46.8	18 ^h 42'	49.900	R.
	α. Aquilae.	19	—	41.5	56.2	11.2	26.2	—	42	56.398	—
	⊙	22	13.1	42.0	58.1	10.0	28.1	43.0	22	13.428	—
	Centauri. ♀	1	23.6	53.1	8.8	23.8	13.2	53.4	40	58.039	—
	α. Aurigae.	5	12.4	42.5	58.0	13.4	28.4	43.3	1	17.390	—
	α. Orionis.	5	—	56.1	12.2	38.2	0.1	—	5	22.478	—
	α. Canis majoris.	8	25.5	11.4	22.5	34.4	52.3	—	5	12.124	—
		47	41.0	58.4	12.0	24.3	43.0	38.4	38	—	—
		47	—	—	51.6	10.4	29.2	48.2	18	51.413	—
		54	58.8	28.4	40.4	58.8	10.4	28.4	22	48.938	—
3 ^a Martii	α. Lyrae.	18	54.3	52.4	51.6	32	29.2	32	48.2	—	—
	⊙	22	9.0	49.0	40.4	9.0	24.2	58	38	—	—
	α. Aquilae.	19	14.0	47.0	2.0	16.8	32.2	43	43	2.080	—
	⊙	23	11.2	51.0	56.2	11.0	26.1	41.2	8	1.204	—
	α. Tauri.	24	34.0	22.3	37.5	53.0	8.5	24	26	34.610	—
	α. Aurigae.	5	19.0	40.8	23.0	44.4	5.4	5	4	23.840	—
	β. Tauri.	5	5.4	39.0	56.0	12.9	29.8	16	15	56.026	—
	α. Canis maj.	8	31.3	2.1	14.9	38	48.9	39	38	14.995	—
		11	36.8	22.9	22.9	38.3	32.8	1	0	23.422	—
		17	—	10.0	26.0	41.9	54.9	—	10	26.024	—
4 ^a Martii	α. Canis minor.	17	16.4	34.2	9.0	26.8	44.0	25	24	9.121	—
	α. Canis minor.	17	13.1	43.1	38.1	12.8	28.0	31	30	58.176	—
	α. Lyrae.	18	2.0	40.0	59.0	18.0	36.9	32	18	59.079	—
	⊙	23	13.0	9.0	24.0	49.0	54.0	15	15	28.899	—
	α. Canis minor.	17	18.0	33.3	10.8	28.2	46.0	25	24	10.906	—
	α. Canis minor.	17	14.8	44.4	59.8	14.4	29.6	31	30	59.429	—
	β. Canis minor.	17	42.0	8.0	22.8	39.4	58.4	26	35	22.829	—
	α. Tauri.	24	59.8	26.4	42.6	54.3	13.3	24	26	42.152	—
	α. Aurigae.	5	23.4	6.1	24.6	48.8	9.9	5	4	24.526	—
	β. Tauri.	5	9.8	42.4	6.1	44.2	34.1	10	10	0.401	—
5 ^a Martii	α. Canis minor.	17	42.4	6.8	18.8	38.8	54.4	34	34	18.816	—
	α. Orionis.	5	42.8	14.9	33.0	44.8	2.4	44	46	32.923	—
	α. Canis maj.	8	43.4	6.4	21.4	44.5	52.9	39	48	21.981	—
	α. Canis minor.	17	18.7	53.8	41.4	29.9	46.4	23	23	11.492	—
	α. Canis minor.	17	43.8	45.4	15.0	40.0	40.0	41	41	6.353	—
	β. Canis minor.	17	43.8	45.4	23.8	40.8	57.4	36	35	23.893	—
		—	—	—	—	—	—	—	—	—	—
		—	—	—	—	—	—	—	—	—	—
		—	—	—	—	—	—	—	—	—	—
		—	—	—	—	—	—	—	—	—	—

Culminatio centauri quales
quoque in sequentibus jam
per notabitur.

Limbus ☉ approximatus

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
10 ^{da} Martii	<i>α. Lyrae.</i> 18 ^h	21 ¹	24 ²	25 ¹	28 ⁰	30 ¹	32 ¹	32 ¹	18 ^h	P.
	<i>δ. Aurigae.</i> 5	3	24.9	26.1	29.0	29.5	32.1	32.1	5	28.980
	<i>δ. Orionis.</i> 5	37	34.0	37	38	39.0	39	39	5	32.445
	<i>δ. Canis maj.</i> 6	37	34.0	38	38	39.0	39	39	6	23.698
	<i>δ. Canis min.</i> 4	23	20.6	23	24	24	24	24	4	13.536
	<i>β. Canis min.</i> 4	30	14.2	31	20	21	21	21	3	2.107
	<i>β. Canis min.</i> 4	34	35.6	35	25.2	25	25	25	4	25.444
11 ^{da}	<i>α. Lyrae.</i> 18	21 ¹	6.0	21	32	32	32	32	18	2.242
	<i>δ. Tauri.</i> 4	26	58.8	26	29.9	29	29	29	4	45.322
	<i>δ. Aurigae.</i> 5	3	26.0	4	30.2	31	31	31	5	30.267
	<i>δ. Canis min.</i> 4	23	22.1	23	14.8	24	24	24	4	14.830
12 ^{da}	<i>α. Lyrae.</i> 18	21 ¹	7.8	21	32	32	32	32	18	4.721
	<i>δ. Tauri.</i> 4	26	41.0	26	10.9	27	27	27	19	11.054
	<i>δ. Aurigae.</i> 5	28	27.0	28	12.0	29	29	29	23	17.889
	<i>δ. Canis min.</i> 4	30	37.0	31	22.0	31	31	31	5	17.889
14 ^{da}	<i>β. Betelgeuse.</i> 5	6	23.0	6	29.9	29	29	29	5	8.034
	<i>β. Tauri.</i> 5	15	16.2	15	6.8	16	16	16	5	6.918
16 ^{da}	<i>α. Canis maj.</i> 6	37	44.8	38	21.2	39	39	39	6	31.725
	<i>δ. Canis min.</i> 4	23	28.4	24	21.0	24	24	24	4	26.032
	<i>β. Canis min.</i> 4	34	42.0	35	9.9	36	36	36	4	9.876
19 ^{da}	<i>α. Aquilae.</i> 19	42	45.1	43	20.3	44	44	44	19	20.452
	<i>α. Cygni.</i> 20	35	41.4	36	40.1	37	37	37	20	40.198
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
	<i>Lim. occid. ♀</i> 2	44	12.2	45	6.2	46	46	46	23	1.681
	<i>β. Tauri.</i> 5	23	25.1	23	22.9	24	24	24	2	39.688
	<i>δ. Orionis.</i> 5	23	32.1	23	14.0	24	24	24	5	12.990
	<i>δ. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	5	9.886
	<i>β. Canis min.</i> 4	34	46.3	35	13.8	36	36	36	4	25.436
20 ^{da}	<i>α. Canis min.</i> 4	30	29.0	30	23.6	31	31	31	7	13.922

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies Civiles	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
20 ^a Martii	ε. Orionis.	—	54.0	28.1	28.1	28.1	28.1	—	28.1	26.420 R.
	λ. Orionis.	19	50.4	20.9	20.9	20.9	20.9	—	40	25.953
	δ. Orionis.	46	1.9	52.0	46	46	46	—	46	14.023
	α. Geminae.	23	43.0	8.4	24	24	43.3	—	24	25.936
	α. Cast. minor.	30	29.9	0.0	31	31	29.3	—	31	14.684
	β. Geminae.	34	44.0	20.9	35	35	44.8	—	35	14.944
21 ^a	⊙	1	30.8	2	15.4	2	30.1	—	0	0.0
	limb. occid. ♀	3	39.9	4	24.5	4	39.3	—	5	9.1
	β. Tauri.	52	7.0	39.0	53	53	10.7	—	2	42.2
	δ. Orionis.	—	—	58.9	16	16	52.8	—	5	—
	ε. Orionis.	23	42.3	58.8	24	24	42.6	—	24	11.894
	ζ. Orionis.	24	58.3	13.0	28	28	52.8	—	28	28.152
	η. Orionis.	49	8.8	21.8	40	40	32.0	—	40	32.024
	θ. Geminae.	23	52.0	9.4	24	24	44.4	—	24	22.221
	α. Cast. min.	40	46.0	0.9	31	31	30.8	—	31	15.949
	β. Geminae.	34	48.4	21.9	35	35	48.0	—	35	33.067
22 ^a	⊙	5	26.0	5	55.9	—	—	—	7	0.300 K.
	limb. occid. ♀	7	35.0	7	4.9	8	34.5	—	8	49.3
	β. Tauri	55	59.4	15.1	56	56	47.0	—	56	32.036
	δ. Orionis.	15	42.3	0.4	16	16	34.1	—	16	14.226
	ε. Orionis.	23	42.4	58.2	24	24	43.0	—	24	13.237
	ζ. Orionis.	24	59.9	14.8	28	28	44.3	—	28	29.642
	η. Orionis.	46	19.9	34.8	46	46	19.8	—	46	49.923
26 ^a	⊙	21	56.5	17.0	32.4	20	47.0	—	21	36.599 L.
	limb. occid. ♀	23	40.2	23	10.1	24	25.0	—	0	—
	α. Aurigae	25	34.5	4.3	19.1	26	34.3	—	25	14.729 K.
	β. Tauri	13	14.9	47.0	3.0	14	35.0	—	14	3.849
27 ^a	⊙	27	4.0	34.0	49.0	28	18.4	—	28	53.277 K.
	limb. occid. ♀	29	12.9	42.9	57.7	30	27.2	—	17	27.526
	α. Aurigae	16	38.1	10.6	26.7	17	42.9	—	4	50.126
	β. Tauri	5	46.0	7.0	50.1	5	32.7	—	16	23.076
	δ. Orionis	15	32.0	49.0	23.0	16	57.0	—	24	19.188
	ε. Orionis	23	34.4	4.2	19.2	24	—	—	28	35.438
	ζ. Orionis	27	50.8	20.6	35.4	28	5.0	—	40	44.110
	η. Orionis	39	59.1	29.0	44.0	40	14.1	—	—	—

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones		
29 Martii	☉ μ Geminorum γ Geminorum ε Geminorum α Canis mai. α Hydrae γ Leonis	30' 32' 12' 28' 33' 38' 19' 10'	43.0 52.1 46.1 3.0 32.0 0.4 33.0 47.0	30' 33' 13' 28' 33' 38' 19' 11'	57.9 7.6 2.1 18.8 48.8 15.7 48.0 3.0	31' 33' 13' 29' 34' 39' 20' 11'	13.0 22.0 18.3 34.1 5.0 31.0 3.0 19.0	31' 33' 13' 29' 34' 39' 20' 12'	32' 34' 14' 29' 35' 39' 21' 12'	32.400 34.572 49.713 21.559 46.526 18.053 34.870	K. Occultatio η Leonis Immerſio in temp. hor. 8 ^h 58' 43" Obſ. bona Emerſio 9 ^h 57' 38"	
30	☉	34' —	22.0 —	—	—	—	—	—	—	—		
31 Aprilis	☉	48 51	56.5 5.5	49 54	16.3 19.3	26.2 34.5	49 51	—	—	—		
6	☉ Limb. Orion. ε Herculis η Ophiuchi α Herculis δ Ophiuchi	16 16 17 17 17	12.9 7.4 49.1 14.7 40.0	50 54 1 7 11	29.6 25.0 5.0 30.0 56.0	50 54 1 8 12	46.5 42.7 20.1 45.3 12.7	50 54 1 8 12	3.5 0.0 35.7 0.8 28.9	16 16 17 17 17	3.470 59.907 35.682 0.794 28.960	K. Occultatio 2 fix. 6 magnitud Immerſio e parte lucida α in tempore horologi 1) 16 ^h 31' 39" Obſerv. incerta 2) 16 ^h 40' 5 Emerſio 1) 18 ^h 48' 0" ſec. v. d. a 2) 17 ^h 45' 20 Obſervatio bona
19	☉ Limb. occ. ♀ α Tauri α Aurigae β Orionis β Tauri δ Orionis ε Orionis α Orionis	1 4 4 5 5 5 5 5	43.1 54.0 29.7 27.6 — 44.0 20.9	49 51 17 28 6 9 25 30 48	58.2 9.0 46.0 43.1 16.9 4.0 59.0 15.3 35.9	50 52 18 29 6 9 18 26 49	13.8 24.0 2.9 58.5 38.1 19.0 16.0 14.0 30.1 50.9	50 52 18 29 7 9 19 26 49	29.0 39.4 19.5 14.0 59.7 34.0 33.6 29.0 45.0 6.0	1 4 4 5 5 5 5 5	34.138 — 14.060 59.622 34.048 49.842 28.928 45.120 5.952	K. Inter 6 ^h et 19 ^h Aprilis horo- logium purgatum.
20	☉	1 55	57.7 —	56 —	13.2 —	47.5 58.2	55 57	55 57	55 57	37.901	K.	
21	☉ ε Orionis κ Orionis α Canis min. β Geminorum	1 5 5 7 7	50.0 1.0 — 57.0 14.5	58 60 — 28 33	5.2 16.2 — 12.1 31.2	58 60 31 43 29 34	21.0 31.2 10.8 19.8 27.1 48.6	58 60 31 43 29 34	36.1 46.6 25.7 35.0 42.0 5.2	1 5 5 7 7	41.282 25.688 34.960 42.080 5.276	K. Post obſerv. κ Orionis mo- tus horologi immutatus

OBSERVATIONES CULMINATIONUM ANNI 1817.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
22 ^a Aprilis	β Orionis	5 ^h 4 ^m 49 ^s .0	5 ^h 4 ^m 0 ^s	5 ^h 19 ^m 0 ^s	5 ^h 34 ^m 0 ^s	5 ^h 49 ^m 0 ^s	6 ^h 4 ^m 0 ^s	6 ^h 19 ^m 0 ^s	5 ^h 34 ^m 0 ^s 81	K. Post observ. β Orion. motus horologii iterum mutatus.
29 —	ϵ Leonis	34 38.8	34 54.9	35 11.0	35 27.5	35 43.9	36 0.0	36 16.0	35 27.531	K.
	μ Leonis	41 31.0	41 47.9	42 4.2	42 21.0	42 37.8	42 54.1	43 11.0	42 21.089	—
	α Leonis	57 52.0	58 7.3	58 22.8	58 38.0	58 53.0	59 8.3	59 23.5	58 37.925	—
30 —	$\odot$	27 16.0	27 31.9	27 47.0	28 2.2	28 18.0	28 33.0	28 48.2	29 8.701	K. Locus $\odot$ male terminatus
	α Aurigae	29 28.7	29 44.0	29 59.4	30 15.0	30 30.4	30 46.0	31 1.0	31 640	—
	α Orionis	23 29.7	23 56.0	24 13.1	24 29.7	24 46.0	25 3.0	25 19.7	24 11.711	—
	α Geminorum	2 7.9	2 29.0	2 50.0	3 11.7	3 33.0	3 54.0	4 15.6	3 17.167	—
	α Canis min.	44 32.5	44 47.5	45 2.0	45 17.1	45 32.0	45 46.8	46 1.7	45 55.994	—
	β Geminor.	22 3.0	22 21.0	22 38.5	22 56.0	23 13.1	23 31.0	23 48.7	22 44.952	—
	$\odot$	29 0.0	29 15.0	29 30.0	29 45.0	29 59.8	30 14.8	30 29.5	29 8.033	—
	β Geminor.	33 17.1	33 34.0	33 51.0	34 8.0	34 25.0	34 41.8	34 58.7	34 7.804	—
1 ^a Maii	$\odot$	31 5.0	31 20.0	31 35.7	31 51.0	32 6.0	32 21.2	32 37.2	32 57.189	K. Ante obs. $\odot$ motus horologii iterum temperatus
	α Aurigae	33 17.0	33 32.7	33 48.0	34 3.2	34 19.0	34 34.2	34 49.5	33 4.970	—
	α Orionis	24 17.0	24 33.0	24 49.0	25 5.0	25 20.8	25 36.8	25 52.6	24 29.409	—
	α Geminorum	23 37.5	23 54.0	24 10.9	24 27.4	24 44.0	25 0.8	25 17.0	23 11.512	—
	α Canis min.	2 7.2	2 29.0	2 50.0	3 11.5	3 32.8	3 54.0	4 15.3	2 17.066	—
	β Geminor.	44 32.0	44 47.0	45 2.0	45 17.0	45 32.0	45 46.9	46 2.0	45 55.537	—
	$\odot$	22 2.8	22 20.2	22 38.0	22 55.6	23 13.0	23 30.5	23 48.0	22 44.294	—
	β Geminor.	28 59.4	29 14.3	29 29.2	29 44.3	29 59.2	30 14.0	30 29.1	29 7.804	—
	$\odot$	33 14.0	33 33.9	33 51.0	34 7.8	34 24.6	34 41.7	34 58.0	33 46.432	K.
2 ^a —	$\odot$	34 54.0	34 9.0	35 24.9	35 39.9	35 55.9	36 10.8	36 26.0	36 58.584	—
	α Aurigae	37 6.5	37 22.0	37 37.6	37 52.6	38 8.0	38 23.3	38 49.0	32 16.982	—
	α Orionis	32 11.0	32 27.0	32 43.0	32 58.7	33 14.0	33 30.0	33 45.8	31 11.542	—
	α Geminorum	23 25.0	23 42.0	23 58.7	24 15.0	24 31.2	24 48.0	25 15.1	23 17.123	—
	α Canis min.	2 8.0	2 29.0	2 50.0	3 11.5	3 33.0	3 54.4	4 15.1	22 55.564	—
	β Geminor.	44 32.0	44 47.0	45 2.1	45 17.1	45 32.0	45 47.0	46 2.0	22 44.679	—
	$\odot$	22 2.9	22 20.1	22 38.0	22 55.5	23 13.0	23 30.8	23 48.0	22 8.133	—
	β Geminor.	28 0.0	28 15.0	29 29.9	29 44.7	29 59.5	30 14.0	30 29.1	29 34	—
	$\odot$	33 17.4	33 34.0	33 51.1	34 8.1	34 24.9	34 42.1	34 58.7	34 35.981	K.
3 ^a —	$\odot$	38 43.0	38 58.8	39 14.0	39 29.3	39 44.7	40 0.5	40 15.8	40 35.981	—
	α Aurigae	40 56.0	41 11.2	41 27.0	41 42.5	41 57.6	42 13.2	42 29.0	41 54.289	—
	α Orionis	23 2.4	23 19.0	23 36.0	23 52.3	24 8.5	24 25.4	24 42.2	23 12.156	—
	α Geminorum	2 8.1	2 29.3	2 50.7	3 12.1	3 33.6	3 54.7	4 15.8	23 17.209	—
	α Canis min.	44 32.2	44 47.2	45 2.0	45 17.2	45 32.3	45 47.0	46 2.0	22 55.907	—
	β Geminor.	22 3.0	22 20.9	22 38.1	22 55.9	23 13.1	23 31.0	23 48.7	22 44.994	—
	$\odot$	29 0.0	29 15.0	29 29.9	29 45.0	29 59.9	30 14.8	30 29.8	29 8.133	—
	β Geminor.	33 17.2	33 34.0	33 51.0	34 8.1	34 25.0	34 42.0	34 59.0	33 16.803	K. Ob vehementem ventum oscillavit
5 ^a —	$\odot$	46 24.1	46 39.0	46 54.5	47 10.1	47 25.5	47 41.2	47 57.0	48 16.803	—
	α Aurigae	48 36.6	48 52.0	49 8.0	49 23.4	49 38.5	50 54.2	50 9.8	48 37.912	—
	α Orionis	21 46.0	21 2.8	21 19.3	22 36.0	22 52.2	23 9.0	23 25.9	22 34.912	—

OBSERVATIONES CULMINATIONUM ANNI 1817.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones	
6 Maii	α Hydrae α Leonis γ Leonis ρ Leonis	9 ^h 14' 52".8 9 57 53.3 10 9 6.9 10 22 27.0	18' 7".8 58 8.7 9 22.6 22 42.0	18' 22".8 58 24.0 9 38.6 22 57.2	18' 37".8 58 39.1 9 54.4 23 12.2	18' 52".8 58 54.0 10 10.0 23 27.1	19' 7".7 59 9.7 18 26.0 23 42.3	19' 22".5 59 24.9 10 42.0 23 57.2	9 ^h 18' 58 37".824 9 58 39.181 10 9 54.441 10 23 12.223	K. — — —	
7 —	☉ Centrum ♀ α Aurigae α Orionis α Canis mai. α Gemin. praec. α Canis min.	2 54' 5.0 56 19.0 4 9 23.0 5 2 7.6 5 44 32.0 6 36 19.5 7 22 2.3 7 28 59.4	54' 21.0 56 34.1 9 39.0 2 28.7 44 46.9 36 34.9 22 19.9 29 14.2	54' 36.9 56 50.1 9 55.3 2 49.9 44 1.9 36 50.1 22 37.3 29 29.0	54' 52.0 56 11.7 10 11.3 3 11.3 44 17.0 37 5.8 22 55.0 29 44.1	55' 7.2 57 21.1 10 28.0 3 32.6 44 32.0 37 21.2 23 12.5 29 59.0	55' 23.0 57 36.9 10 44.0 3 54.0 44 47.0 37 36.8 23 30.0 30 14.0	55' 38.7 57 52.0 11 0.2 4 14.9 44 1.4 37 52.0 23 47.4 30 29.0	2 55 4 10 5 3 5 45 6 37 7 22 7 29	K. — — — — — —	
8 —	☉ α Tauri α Aurigae α Orionis α Canis mai. α Gemin. praec α Canis min. β Geminor.	2 57' 57.0 00 10.3 4 24 39.0 5 2 6.9 5 44 31.6 6 36 18.3 7 22 1.8 7 28 58.5 7 33 15.9	58' 12.4 00 26.1 24 54.8 2 28.0 44 46.0 36 34.0 22 19.0 29 3.3 33 33.0	58' 28.0 00 41.8 25 10.1 2 49.0 44 1.0 36 49.6 22 36.9 29 28.5 33 49.8	58' 43.9 00 57.1 25 25.6 3 10.5 44 16.1 37 5.0 22 54.5 29 43.4 34 6.9	58' 59.2 01 13.0 25 41.0 3 31.9 44 31.0 37 20.6 23 12.0 29 58.5 34 23.8	59' 14.9 01 28.8 25 56.7 3 53.0 44 46.0 37 36.0 23 29.8 30 13.2 34 40.3	59' 30.7 01 44.0 26 12.0 4 14.0 44 1.0 37 51.5 23 47.0 30 28.0 34 57.4	2 59 4 25 5 3 5 45 6 37 7 22 7 29 7 34	K. — — — — — —	
9 —	☉ Limb. occid. ♀ Centrum ♀ α Aurigae α Canis min. β Geminorum	3 1' 49.0 4 4 3.0 17 13.0 22 57.1 2 6.0 28 58.0 33 15.0	2' 5.0 4 18.4 17 29.7 23 16.5 2 27.7 29 12.9 33 32.6	2' 20.4 4 34.0 17 46.0 23 30.0 2 49.0 29 28.0 33 49.0	2' 36.0 4 49.8 18 2.7 23 40.3 3 10.0 29 42.9 34 6.0	2' 51.3 4 5.2 18 18.9 24 2.7 3 31.0 29 57.8 34 22.9	3' 7.0 4 20.9 18 35.8 24 19.0 3 52.7 30 12.6 34 40.0	3' 22.9 4 36.2 18 52.0 24 35.2 3 13.9 30 27.5 34 56.6	3 3 4 18 4 23 5 3 7 29 7 34	K. — — — — —	
13 —	α Geminor. seq. β Geminor. α Hydrae α Leonis γ Leonis	7 21' 57.2 33 11.0 17 46.8 57 47.8 9 1.0	22 14.9 33 28.0 18 1.9 58 3.0 9 16.9	22 32.1 33 45.0 18 16.8 58 18.1 9 32.9	22 50.0 34 2.0 18 32.0 58 33.5 9 48.7	22 7.8 34 18.8 19 47.0 58 48.7 10 4.5	23 25.0 34 35.9 19 2.0 59 3.9 10 20.2	23 42.6 34 52.7 19 16.9 59 19.6 16 36.1	7 22 7 34 9 18 9 58 10 9	50.036 2.004 31.994 33.611 48.699	— — — — —
14 —	☉ Limb. occid. ♀ Centrum ♀ α Aurigae α Orionis α Geminor. seq. α Canis minor	3 21' 17.9 23 32.1 8 12.1 52 47.7 2 1.6 44 26.0 21 56.8 28 53.2 33 10.8	21 33.8 23 48.0 8 28.2 53 4.0 2 22.8 44 41.0 22 14.5 29 8.0 33 28.2	21 49.0 24 3.5 8 44.8 53 20.5 2 44.0 44 56.0 22 32.0 29 23.0 33 45.0	22 5.9 24 19.0 9 1.0 53 37.0 3 5.4 44 11.0 22 49.6 29 38.0 34 1.6	22 20.7 24 35.0 9 17.2 53 53.2 3 26.9 44 25.9 23 7.6 29 53.0 34 18.0	22 36.0 24 50.8 9 34.0 54 9.8 3 48.0 44 40.8 23 24.6 30 8.0 34 25	22 51.8 25 6.1 9 49.8 54 26.0 4 9.0 44 55.8 23 42.0 30 22.9 34 52.6	3 23 4 9 4 53 5 3 5 45 7 22 7 29 7 34	K. — — — — — —	

Ante observ. ☉ horologium
attracum.

OBSERVATIONES CULMINATIONUM ANNI 1817

[illegible]

OBSERVATIONES CULMINATIONUM ANNI 1817.

[illegible]

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
3 ^o Junii	☉	41 ^h 29.8	41 ^h 46.0	42 ^h 1.9	42 ^h 18.4	42 ^h 34.0	42 ^h 50.0	43 ^h 6.7	43 ^h 26.700	K.
	☿	43 ^h 47.0	44 ^h 3.0	44 ^h 19.1	44 ^h 35.2	44 ^h 51.3	45 ^h 7.3	45 ^h 23.2	45 ^h 58.523	—
	☿	44 ^h 15.5	44 ^h 28.5	44 ^h 40.9	44 ^h 58.6	44 ^h 73.1	45 ^h 28.3	45 ^h 43.2	45 ^h 58.523	—
	☿	44 ^h 44.4	44 ^h 6.2	44 ^h 16.1	44 ^h 31.9	44 ^h 54.5	45 ^h 7.1	45 ^h 23.0	45 ^h 38.787	—
	☿	44 ^h 5.2	44 ^h 22.1	44 ^h 38.7	44 ^h 55.2	44 ^h 71.8	45 ^h 28.1	45 ^h 44.4	45 ^h 58.231	—
	☿	44 ^h 16.8	44 ^h 33.9	44 ^h 54.0	44 ^h 70.5	44 ^h 86.1	45 ^h 30.5	45 ^h 46.1	45 ^h 70.149	—
	☿	44 ^h 42.0	44 ^h 58.1	44 ^h 14.2	44 ^h 30.5	44 ^h 46.4	45 ^h 2.0	45 ^h 19.0	45 ^h 30.543	—
	☿	44 ^h 8.0	44 ^h 25.4	44 ^h 43.0	44 ^h 59.3	44 ^h 75.1	45 ^h 35.0	45 ^h 52.2	45 ^h 0.308	—
	☿	44 ^h 30.0	44 ^h 5.1	44 ^h 21.0	44 ^h 36.5	44 ^h 52.0	45 ^h 7.2	45 ^h 22.6	45 ^h 36.511	—
	☿	44 ^h 33.8	44 ^h 49.2	44 ^h 25.5	44 ^h 40.5	44 ^h 56.0	45 ^h 12.0	45 ^h 27.0	45 ^h 34.704	—
4 ^o Junii	☿	45 ^h 35.2	45 ^h 51.5	45 ^h 7.7	45 ^h 23.8	45 ^h 40.0	46 ^h 56.0	46 ^h 12.0	46 ^h 32.415	K.
	☿	45 ^h 52.7	45 ^h 8.5	45 ^h 25.0	45 ^h 41.0	45 ^h 57.0	46 ^h 13.1	46 ^h 29.1	46 ^h 32.415	—
	☿	45 ^h 42.0	45 ^h 59.6	45 ^h 14.0	45 ^h 34.5	45 ^h 50.0	46 ^h 2.8	46 ^h 18.0	46 ^h 34.704	—
	☿	45 ^h 38.5	45 ^h 55.0	45 ^h 8.0	45 ^h 23.2	45 ^h 38.2	46 ^h 5.0	46 ^h 20.0	46 ^h 25.211	—
	☿	45 ^h 55.6	45 ^h 12.4	45 ^h 29.8	45 ^h 46.5	45 ^h 63.1	46 ^h 20.0	46 ^h 34.0	46 ^h 46.426	—
	☿	45 ^h 32.0	45 ^h 44.0	45 ^h 2.5	45 ^h 14.8	45 ^h 31.1	46 ^h 48.2	46 ^h 3.4	46 ^h 14.796	—
	☿	45 ^h 30.9	45 ^h 46.0	45 ^h 1.0	45 ^h 16.1	45 ^h 31.1	46 ^h 46.2	46 ^h 1.1	46 ^h 16.139	—
	☿	45 ^h 42.8	45 ^h 58.0	45 ^h 10.5	45 ^h 29.0	45 ^h 44.0	46 ^h 59.8	46 ^h 13.0	46 ^h 28.964	—
	☿	45 ^h 30.0	45 ^h 5.9	45 ^h 22.8	45 ^h 39.4	45 ^h 56.0	46 ^h 12.8	46 ^h 29.0	46 ^h 39.505	—
	☿	45 ^h 15.1	45 ^h 28.2	45 ^h 4.0	45 ^h 19.1	45 ^h 35.0	46 ^h 28.0	46 ^h 43.0	46 ^h 58.138	—
5 ^o Junii	☿	46 ^h 13.0	46 ^h 29.0	46 ^h 11.0	46 ^h 26.0	46 ^h 42.0	47 ^h 58.9	47 ^h 12.0	47 ^h 2.544	—
	☿	46 ^h 5.5	46 ^h 22.0	46 ^h 14.0	46 ^h 31.1	46 ^h 46.0	47 ^h 11.6	47 ^h 28.0	47 ^h 55.146	—
	☿	46 ^h 31.5	46 ^h 44.4	46 ^h 3.9	46 ^h 20.0	46 ^h 35.9	47 ^h 52.2	47 ^h 8.1	47 ^h 19.943	—
	☿	46 ^h 44.1	46 ^h 6.2	46 ^h 19.0	46 ^h 34.8	46 ^h 50.0	47 ^h 2.8	47 ^h 18.0	47 ^h 40.942	R.
	☿	46 ^h 11.1	46 ^h 28.5	46 ^h 20.0	46 ^h 35.2	46 ^h 50.0	47 ^h 24.4	47 ^h 40.9	47 ^h 44.296	—
	☿	46 ^h 29.0	46 ^h 44.4	46 ^h 3.9	46 ^h 20.0	46 ^h 35.9	47 ^h 52.2	47 ^h 8.1	47 ^h 19.943	—
	☿	46 ^h 11.1	46 ^h 28.5	46 ^h 20.0	46 ^h 35.2	46 ^h 50.0	47 ^h 24.4	47 ^h 40.9	47 ^h 44.296	—
	☿	46 ^h 29.0	46 ^h 44.4	46 ^h 3.9	46 ^h 20.0	46 ^h 35.9	47 ^h 52.2	47 ^h 8.1	47 ^h 19.943	—
	☿	46 ^h 11.1	46 ^h 28.5	46 ^h 20.0	46 ^h 35.2	46 ^h 50.0	47 ^h 24.4	47 ^h 40.9	47 ^h 44.296	—
	☿	46 ^h 29.0	46 ^h 44.4	46 ^h 3.9	46 ^h 20.0	46 ^h 35.9	47 ^h 52.2	47 ^h 8.1	47 ^h 19.943	—
6 ^o Junii	☿	47 ^h 11.0	47 ^h 27.0	47 ^h 9.0	47 ^h 24.0	47 ^h 40.0	48 ^h 59.0	48 ^h 11.0	48 ^h 55.086	—
	☿	47 ^h 3.5	47 ^h 20.2	47 ^h 12.0	47 ^h 28.5	47 ^h 44.0	48 ^h 2.8	48 ^h 18.0	48 ^h 55.146	—
	☿	47 ^h 31.5	47 ^h 44.4	47 ^h 3.9	47 ^h 20.0	47 ^h 35.9	48 ^h 52.2	48 ^h 8.1	48 ^h 19.943	—
	☿	47 ^h 44.1	47 ^h 6.2	47 ^h 19.0	47 ^h 34.8	47 ^h 50.0	48 ^h 2.8	48 ^h 18.0	48 ^h 40.942	R.
	☿	47 ^h 11.1	47 ^h 28.5	47 ^h 20.0	47 ^h 35.2	47 ^h 50.0	48 ^h 24.4	48 ^h 40.9	48 ^h 44.296	—
	☿	47 ^h 29.0	47 ^h 44.4	47 ^h 3.9	47 ^h 20.0	47 ^h 35.9	48 ^h 52.2	48 ^h 8.1	48 ^h 19.943	—
	☿	47 ^h 11.1	47 ^h 28.5	47 ^h 20.0	47 ^h 35.2	47 ^h 50.0	48 ^h 24.4	48 ^h 40.9	48 ^h 44.296	—
	☿	47 ^h 29.0	47 ^h 44.4	47 ^h 3.9	47 ^h 20.0	47 ^h 35.9	48 ^h 52.2	48 ^h 8.1	48 ^h 19.943	—
	☿	47 ^h 11.1	47 ^h 28.5	47 ^h 20.0	47 ^h 35.2	47 ^h 50.0	48 ^h 24.4	48 ^h 40.9	48 ^h 44.296	—
	☿	47 ^h 29.0	47 ^h 44.4	47 ^h 3.9	47 ^h 20.0	47 ^h 35.9	48 ^h 52.2	48 ^h 8.1	48 ^h 19.943	—
7 ^o Junii	☿	48 ^h 11.0	48 ^h 27.0	48 ^h 9.0	48 ^h 24.0	48 ^h 40.0	49 ^h 59.0	49 ^h 11.0	49 ^h 55.086	—
	☿	48 ^h 3.5	48 ^h 20.2	48 ^h 12.0	48 ^h 28.5	48 ^h 44.0	49 ^h 2.8	49 ^h 18.0	49 ^h 55.146	—
	☿	48 ^h 31.5	48 ^h 44.4	48 ^h 3.9	48 ^h 20.0	48 ^h 35.9	49 ^h 52.2	49 ^h 8.1	49 ^h 19.943	—
	☿	48 ^h 44.1	48 ^h 6.2	48 ^h 19.0	48 ^h 34.8	48 ^h 50.0	49 ^h 2.8	49 ^h 18.0	49 ^h 40.942	R.
	☿	48 ^h 11.1	48 ^h 28.5	48 ^h 20.0	48 ^h 35.2	48 ^h 50.0	49 ^h 24.4	49 ^h 40.9	49 ^h 44.296	—
	☿	48 ^h 29.0	48 ^h 44.4	48 ^h 3.9	48 ^h 20.0	48 ^h 35.9	49 ^h 52.2	49 ^h 8.1	49 ^h 19.943	—
	☿	48 ^h 11.1	48 ^h 28.5	48 ^h 20.0	48 ^h 35.2	48 ^h 50.0	49 ^h 24.4	49 ^h 40.9	49 ^h 44.296	—
	☿	48 ^h 29.0	48 ^h 44.4	48 ^h 3.9	48 ^h 20.0	48 ^h 35.9	49 ^h 52.2	49 ^h 8.1	49 ^h 19.943	—
	☿	48 ^h 11.1	48 ^h 28.5	48 ^h 20.0	48 ^h 35.2	48 ^h 50.0	49 ^h 24.4	49 ^h 40.9	49 ^h 44.296	—
	☿	48 ^h 29.0	48 ^h 44.4	48 ^h 3.9	48 ^h 20.0	48 ^h 35.9	49 ^h 52.2	49 ^h 8.1	49 ^h 19.943	—
8 ^o Junii	☿	49 ^h 11.0	49 ^h 27.0	49 ^h 9.0	49 ^h 24.0	49 ^h 40.0	50 ^h 59.0	50 ^h 11.0	50 ^h 55.086	—
	☿	49 ^h 3.5	49 ^h 20.2	49 ^h 12.0	49 ^h 28.5	49 ^h 44.0	50 ^h 2.8	50 ^h 18.0	50 ^h 55.146	—
	☿	49 ^h 31.5	49 ^h 44.4	49 ^h 3.9	49 ^h 20.0	49 ^h 35.9	50 ^h 52.2	50 ^h 8.1	50 ^h 19.943	—
	☿	49 ^h 44.1	49 ^h 6.2	49 ^h 19.0	49 ^h 34.8	49 ^h 50.0	50 ^h 2.8	50 ^h 18.0	50 ^h 40.942	R.
	☿	49 ^h 11.1	49 ^h 28.5	49 ^h 20.0	49 ^h 35.2	49 ^h 50.0	50 ^h 24.4	50 ^h 40.9	50 ^h 44.296	—
	☿	49 ^h 29.0	49 ^h 44.4	49 ^h 3.9	49 ^h 20.0	49 ^h 35.9	50 ^h 52.2	50 ^h 8.1	50 ^h 19.943	—
	☿	49 ^h 11.1	49 ^h 28.5	49 ^h 20.0	49 ^h 35.2	49 ^h 50.0	50 ^h 24.4	50 ^h 40.9	50 ^h 44.296	—
	☿	49 ^h 29.0	49 ^h 44.4	49 ^h 3.9	49 ^h 20.0	49 ^h 35.9	50 ^h 52.2	50 ^h 8.1	50 ^h 19.943	—
	☿	49 ^h 11.1	49 ^h 28.5	49 ^h 20.0	49 ^h 35.2	49 ^h 50.0	50 ^h 24.4	50 ^h 40.9	50 ^h 44.296	—
	☿	49 ^h 29.0	49 ^h 44.4	49 ^h 3.9	49 ^h 20.0	49 ^h 35.9	50 ^h 52.2	50 ^h 8.1	50 ^h 19.943	—

Observatio 2^a fuit 25^{ta} Maji
facta.

Observatio 2^a ut die prec.

8. 6. 0

Observatio ut supra.

OBSERVATIONES CULMINATIONUM ANNI 1817

Menfes et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
17 ^{te} <u>Junii.</u>	☉ d. Virginis	54.0 60	58.1 60	58.1 60	58.1 60	58.1 60	58.1 60	58.1 60	59.1 60	R. 48.215
	d. Bootis	24.2 4.4	29.7 23.0	34.3 38.8	39.4 34.8	24.4 10.5	29.5 26.2	34.5 23.0	15 14	9.468 52.898
	d. Granae Bor.	42.9	59.8	56.5	53.1	49.8	6.4	23.0	20	52.161
	d. Serpentis	4.0	22.0	34.0	52.0	6.9	21.9	36.8	124	52.023
	☿ d. Scorpii	15.4 16	49.2 54.4	5.1 32.1	26.0 48.8	40.2 5.1	56.1 21.8	12.0 38.2	10 14	10 48.461
	♂	44	9.5	25.8	41.9	57.4	44.0	29.2	48	—
										Observatio facta ut supra.
										—
										—
										—
18 ^{te}	d. Leonis.	22.8	43.8	57.8	13.5	28.8	44.0	58.9	58	13.452
	☿ d. Virginis.	25.8	40.4	53.1	10	25.1	40.0	54.8	10	102.68
	d. Virginis.	—	—	36.8	15	24.0	42.0	54.0	15	11.935
	☉	14	—	2.9	15	34.9	51.0	—	10	24.42
	☿	11	—	20.0	14	52.2	9.1	—	12	9.354
	☿ d. Bootis.	23.2	38.8	54.0	32	24.5	40.0	55.0	14	44.864
	109. Virginis.	0.2	14.9	29.8	36	59.8	14.3	29.8	14	—
	d.2. Librae.	44.8	0.2	15.3	40	46.6	1.8	16.8	40	31.004
										—
										—
19 ^{te}	d. Hydrae	56.8	42.8	41.8	19	43.6	0.0	16.0	20	36.599
	d. Leonis	33.3	48.2	29.0	21	1.7	17.9	44.0	18	182.68
	p. Leonis	34.0	49.3	3.0	18	33.2	—	51.4	58	19.496
	☿ d. Virginis	40.1	55.5	11.3	39	41.8	57.4	12.5	11	26.549
	☿ d. Virginis	22.0	32.0	54.5	25	21.0	36.1	50.8	25	6.466
	☿ d. Bootis.	55.0	10.4	26.4	45	57.8	13.8	29.0	45	42.140
	☿ d. Virginis.	20.0	34.5	49.8	52	19.0	34.3	48.4	51	4.465
	d. Bootis	15.4	36.1	47.0	7	18.7	34.7	50.4	6	3.015
										—
										—
19 ^{te}	d. Regalis.	36.3	34.5	6.9	55	37.7	—	—	22	22.445
	d. Andromedae.	—	5.1	22.5	58	56.0	12.9	—	58	39.306
	☿ d. Orionis.	0.0	15.1	30.9	21	7.8	17.0	32.2	21	44.586
	d. Canis majoris	59.8	15.0	41.0	36	1.5	17.3	32.2	36	46.240
	d. Virginis	31.8	46.4	1.8	15	32.0	44.2	2.0	15	16.682
										—
										—
										—
										—
										—

8^{ta} Mana hanc horologii hinc
dispositionibus subleata.

Observatio Omnia horologii
genua, ob viti velamentum
vix audire.

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
14 ^{te} Junii.	d. Auxiga. d. Canis majoris. d. Leonis. p. Leonis. d. Bootis.	11 58.9 — 39.0 14.3	21 91.0 14.8 28.1 54.0 30.0	21 30.0 29.8 13.3 9.8 46.0	21 52.4 45.5 18.4 25.3 1.9	21 12.4 0.8 33.8 40.6 12.2	21 33.4 16.8 59.0 58.0 33.0	11 132.0 4.3 11.4 49.0	5.8 21 38 39 14	54.522 45.586 16.844 25.239 4.484
15 ^{te} —	d. Corona Bor. d. Serpentis. E. Serpentis.	25 34 40	26 6.8 29.8 56.0	26 23.4 44.8 10.9	26 40.0 59.6 23.4	26 37.0 14.1 40.4	26 13.4 29.0 55.6	15 30.0 44.0 10.1	26 34 41	40.233 59.423 25.436
17 ^{te} —	d. Corona Bor. d. Serpentis. E. Serpentis.	25 34 40	26 10.2 32.8 59.0	26 26.2 44.9 13.9	26 44.3 2.6 28.3	26 0.0 44.4 32.0	26 16.8 32.0 58.4	15 33.3 44.1 13.4	26 35 41	43.933 8.580 28.693
20 ^{te} —	d. Hydra. d. Leonis. Limb. occid. C. p. Leonis. d.2. Libra	87 54 — 34 39	17 56.8 58.0 38.0 41.5 9.4	18 11.9 13.3 53.9 19.8 24.5	18 28.9 28.6 9.0 35.3 40.0	18 44.8 44.4 24.4 50.2 55.6	18 58.8 58.8 40.3 5.3 10.4	9 11.0 13.4 55.4 21.3 26.2	18 58 45 39 40	26.822 28.494 9.365 35.139 40.146
21 ^{te} —	d. Andromeda. p. Magasi. Limb. orient. ♀ d. Tauri. d. Auxiga. Limb. occid. C. d. Bootis. d.2. Libra	58 2 27 24 2 — 39	58 16.9 12.8 1.3 48.0 21.8 2.5 44.4 12.4	58 33.8 28.0 14.0 3.3 42.4 11.0 59.6 27.8	58 50.8 45.0 32.3 19.0 4.0 33.0 15.4 42.9	58 7.4 58.8 44.9 34.4 25.0 48.0 31.1 58.4	58 24.1 13.6 3.0 30.0 46.4 43.8 24.0 13.4	23 0 28 4 3 — 14	50.661 43.296 30.200 18.982 4.064 32.964 15.442	
22 ^{te} —	Limb. orient. ♀ d. Auxiga	29 —	29 24.4 —	29 42.8 45.0	29 54.8 6.0	29 13.8 24.9	29 29.0 49.3	29 44.3 10.4	29 39 3	59.499 6.520
23 ^{te} —	Limb. occid. C.	—	—	—	—	21 14.6	21 32.4	21 48.0	21 —	—
24 ^{te} —	d. Andromeda. p. Magasi. Limb. orient. ♀ d. Tauri	58 3 32 24	58 15.1 20.8 38.8 56.5	58 42.0 36.1 54.2 12.1	58 59.0 51.2 9.8 24.4	58 13.9 40 25.0 42.9	58 32.4 22.0 40.5 58.2	23 0 3 4 26	59.046 52.525 8.306 24.524	

Limb. Rand bene latina
navig.

infra nubes.

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Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
28 ^a Junii	α. Tauri.	24 ^h	24 ^h	25 ^h	25 ^h	25 ^h	25 ^h	25 ^h	25 ^h	—
	δ. Aurigae.	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	—
	α. Cassiopej.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
29 ^a —	β. Corvi.	—	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	γ. Virginis.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	δ. Virginis.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
28 ^a —	ζ. orient.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	η. orient.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
29 ^a —	β. Andromedae.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	γ. Librae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	δ. Coronae Bor.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	ε. Serpentis.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
30 ^a —	α. Bootis.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	β. Librae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
1 ^a Julii.	α. Andromedae.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	β. Andromedae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	γ. Andromedae.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	δ. Andromedae.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
	ε. Andromedae.	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	—
	ζ. Andromedae.	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	—
	η. Andromedae.	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	—
	θ. Andromedae.	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	—
	ι. Andromedae.	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	—
	κ. Andromedae.	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	—
	λ. Andromedae.	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	—
	μ. Andromedae.	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	—
	ν. Andromedae.	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	—
	ξ. Andromedae.	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	—
	ο. Andromedae.	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	—
	π. Andromedae.	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	—
	ρ. Andromedae.	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	—
	σ. Andromedae.	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	—
	τ. Andromedae.	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	—
	υ. Andromedae.	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	—
	φ. Andromedae.	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	—
	χ. Andromedae.	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	—
	ψ. Andromedae.	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	—
	ω. Andromedae.	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	—
	α. Andromedae.	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	—
	β. Andromedae.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	γ. Andromedae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	δ. Andromedae.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	ε. Andromedae.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
	ζ. Andromedae.	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	—
	η. Andromedae.	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	—
	θ. Andromedae.	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	—
	ι. Andromedae.	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	—
	κ. Andromedae.	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	—
	λ. Andromedae.	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	—
	μ. Andromedae.	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	—
	ν. Andromedae.	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	—
	ξ. Andromedae.	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	—
	ο. Andromedae.	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	—
	π. Andromedae.	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	—
	ρ. Andromedae.	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	—
	σ. Andromedae.	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	—
	τ. Andromedae.	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	—
	υ. Andromedae.	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	—
	φ. Andromedae.	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	—
	χ. Andromedae.	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	—
	ψ. Andromedae.	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	—
	ω. Andromedae.	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	—
	α. Andromedae.	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	—
	β. Andromedae.	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	—
	γ. Andromedae.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	δ. Andromedae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	ε. Andromedae.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	ζ. Andromedae.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
	η. Andromedae.	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	—
	θ. Andromedae.	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	—
	ι. Andromedae.	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	—
	κ. Andromedae.	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	17 ^h	—
	λ. Andromedae.	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	16 ^h	—
	μ. Andromedae.	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	15 ^h	—
	ν. Andromedae.	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	—
	ξ. Andromedae.	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	13 ^h	—
	ο. Andromedae.	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	12 ^h	—
	π. Andromedae.	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	11 ^h	—
	ρ. Andromedae.	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	10 ^h	—
	σ. Andromedae.	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	9 ^h	—
	τ. Andromedae.	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	8 ^h	—
	υ. Andromedae.	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	7 ^h	—
	φ. Andromedae.	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	6 ^h	—
	χ. Andromedae.	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	5 ^h	—
	ψ. Andromedae.	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	4 ^h	—
	ω. Andromedae.	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	3 ^h	—
	α. Andromedae.	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	2 ^h	—
	β. Andromedae.	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	1 ^h	—
	γ. Andromedae.	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	—
	δ. Andromedae.	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	24 ^h	—
	ε. Andromedae.	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	23 ^h	—
	ζ. Andromedae.	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	22 ^h	—
	η. Andromedae.	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	21 ^h	—
	θ. Andromedae.	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	20 ^h	—
	ι. Andromedae.	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	19 ^h	—
	κ. Andromedae.	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	18 ^h	—
	λ. Andromedae.	17 ^{h</}								

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones			
24 ^{te} <u>Julii.</u>	α. Arietis. α. Tauri. <i>limb. orient. ♀</i> α. Orionis. α. Canis majoris <i>♀</i> <i>⊙</i> α. Virginis α. Bootis. <i>limb. occid. ☾</i>	55 ¹ 24 54 24 36 34 41 13 — 6 52	144.9 48.1 10.9 39.6 22.1 2.0 30.8 45.2 58.8 44.9 12.9	56 ¹ 25 58 44 36 32 11 13 14 6 53	47.0 19.3 42.0 9.24 58.1 34.0 2.0 14.0 28.8 13.5 46.9	54 ¹ 25 59 45 37 33 12 14 15 4 54	19.0 50.5 12.6 39.1 28.5 6.5 39.5 48.3 48.9 45.0 20.8	54 ¹ 26 59 45 37 33 12 15 — 8 54	55.0 5.7 29.0 54.2 24.1 22.1 49.8 4.2 — 0.7 57.7	55 ¹ 25 58 45 36 32 — 112 15 7 53	46.944 19.454 41.142 9.221 57.000 34.157 9.685 28.160 13.486 44.000	P. — — — — — — — — — — ♀ in heridilio.	
26 ^{te} —	α. Aurigae <i>limb. orient. ♀</i> α. Orionis. <i>⊙</i>	2 5 44 19 21	23.4 44.0 41.0 28.0 42.6	2 6 44 19 21	6.2 18.6 11.0 59.7 14.0	3 6 45 20 22	48.7 49.8 42.1 41.1 45.4	5 5 45 20 22	9.8 5.3 58.1 46.7 1.0	3 6 45 21	6.200 17.559 11.200 6.801	— — — —	— — — —
27 ^{te} —	α. Arietis. α. Ceti. α. Tauri. <i>limb. orient. ♀</i> p. Ophiuchi. p. Sagittarii.	1 2 4 5 14 18	2.1 56.3 36.7 24.3 — —	56 52 24 9 13 2	56.6 41.1 23.4 11.6 26.25 50.0	57 53 25 10 34 2	22.3 11.0 54.0 42.0 58.0 21.5	57 53 26 10 — —	38.7 24.5 9.2 58.5 — —	1 2 4 5 14 18	50.429 41.041 23.233 10.454 26.240 49.940	— — — — — —	— — — — Severus Henricus Henricus Ad Hesse- Homburg Domine Fredericus.
28 ^{te} —	α. Arietis. α. Ceti. <i>limb. orient. ♀</i> <i>limb. orient. ⊙</i>	1 2 5 8	3.9 — 19.1 22.4	58 52 13 29	52.0 42.4 6.7 10.0	57 53 14 30	24.1 12.3 38.0 41.0	57 53 14 30	40.2 22.0 52.4 58.8	1 2 5 8	52.129 42.887 5.629 2.249	P. — — —	— — — —
29 ^{te} —	<i>limb. orient. ♀</i> α. Canis minoris. <i>⊙</i> α. Virginis. α. Bootis. α. Corona bor. α. sex punctis.	5 7 8 13 14 15 15	14.9 56.6 2.1 16.9 44.8 30.8 6.1 30.3	14 28 31 33 15 6 26 34	2.7 41.8 50.0 4.3 33.0 18.2 56.3 15.3	18 28 31 34 15 7 26 35	34.0 41.4 21.9 35.4 3.3 50.0 — 45.2	18 29 32 34 16 8 27 35	49.7 26.1 39.7 54.0 18.0 5.4 46.0 0.0	5 4 8 13 14 15 15	1.672 44.800 57.315 33.000 18.386 46.387 15.329	— — — — — — —	— — — — — — —

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Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
15 ^{ae} Iulii.	α. Ceti.	2h 54'	5h 0'	26.1'	1'	1'	5h 1'	25.0'	2h 52'	20.580
	δ. Aurigae.	2	25.4	46.4	7	29.2	5h 1'	11.5	5	8.029
	β. Orionis.	5	16.4	26.4	5	56.2	5	26.3	5	41.583
	γ. Tauri.	14	4.1	24.0	14	54.2	15	31.2	14	40.429
	limb. orient. ♀	21	24.3	43.0	21	14.8	22	46.0	21	58.015
	δ. Orionis.	44	43.0	58.0	44	24.4	45	54.5	45	12.841
	δ. Ceti majoris.	36	40.2	45.5	34	16.4	34	44.1	34	11.141
	δ. Ceti minoris.	28	9.8	24.4	29	54.3	30	24.0	29	39.654
	♀	35	—	—	26	24.1	26	55.9	26	8.425
	♂	34	21.8	24.3	35	58.4	36	29.4	36	49.442
	♂	34	25.1	40.9	34	12.1	38	46.1	38	—
	α. Corone bore.	26	20.4	44.0	26	10.5	24	24.4	26	53.900
	α. Serpentis.	15	23.2	58.0	15	28.1	15	54.8	15	13.144
	α. Arietis.	56	14.1	33.1	56	5.1	54	34.2	56	49.171
	δ. Ceti.	54	16.0	24.9	52	54.1	54	24.0	52	39.654
	limb. orient. ♀	25	26.8	42.4	25	44.1	26	45.4	25	54.381
	δ. Ceti major.	36	29.0	44.4	36	15.4	34	48.0	36	59.933
	δ. Ceti minor.	28	8.3	23.4	29	53.1	30	22.6	29	38.141
	limb. orient. ♂	41	17.9	33.5	41	5.0	42	46.0	40	42.643
	α. Corone bore.	26	19.4	36.2	26	9.3	24	42.4	26	52.486
	α. Serpentis.	15	22.0	54.9	15	26.8	15	54.4	15	12.143
	α. Arietis.	56	16.1	32.2	56	7.8	54	36.0	56	48.314
	α. Tauri.	24	49.4	5.0	25	36.0	26	6.6	25	20.529
	α. Aurigae.	2	23.0	44.3	3	27.0	4	9.0	3	5.643
	β. Orionis.	5	—	24.2	5	54.2	6	23.9	5	39.260
	limb. orient. ♀	29	28.4	44.5	30	16.0	30	44.9	29	59.159
	δ. Orionis	44	40.3	53.3	45	25.3	46	55.2	45	10.329
	α. Cassiopeiae	36	24.8	43.1	36	14.0	34	44.8	36	58.429
	δ. Virginis.	14	58.1	13.1	15	43.3	15	13.2	15	28.286
	α. Arietis.	56	14.8	31.0	54	2.9	54	44.8	56	47.000
	α. Ceti.	52	7.8	22.2	52	52.2	54	21.8	52	34.384
	α. Aurigae.	2	22.0	43.1	3	25.8	4	8.0	3	4.643
	β. Orionis	5	—	20.2	5	54.2	6	22.8	5	38.064
	β. Tauri	—	—	48.0	14	19.5	15	27.2	14	34.100
	limb. orient. ♀	35	32.0	48.0	34	19.5	34	51.0	34	2.864
	α. Orionis	44	39.0	54.0	45	23.8	46	53.4	45	8.954
	α. Orionis	24	24.1	54.0	24	23.8	24	53.4	24	—

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Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
25 ^a Augusti	α. Aurigae.	58	20.4	42.0	52.5	24.4	45.8	6.4	41.29	P
	β. Orionis.	58	42.8	54.8	—	—	—	—	8.594	—
	γ. Orionis.	44	48.1	54.0	45	22.0	—	—	8.060	—
	δ. Orionis.	50	49.8	55.2	51	26.2	42.0	54.8	12.676	—
	ε. Orionis.	52	52.8	55.5	54	49.5	55.3	10.8	28.212	—
	ζ. Orionis.	59	58.8	60	60	48.1	59.9	15.2	—	—
	η. Virginis.	14	58.4	11.4	15	46.5	58.4	41.2	26.454	—
	θ. Coronae bor.	15	—	33.1	25	6.4	23.0	49.3	49.400	—
	ι. Serpentis.	34	49.0	54.0	35	23.8	48.8	54.5	8.947	—
	κ. Serpentis.	—	—	49.4	18	20.6	39.0	55.1	6.020	—
26 ^a	α. Ceti.	—	6.0	21.0	52	50.2	52	20.0	35.662	—
	β. Ceti.	—	42.0	2.4	42	42.2	50.2	6.2	14.621	—
	γ. Ceti.	—	—	—	36	42.2	20.2	42.0	55.800	—
	δ. Ceti.	21	10.0	22	22	34	—	32.2	45.417	—
	ε. Ceti.	28	4.0	29	29	29	—	18.4	34.100	—
	ζ. Ceti.	41	23.4	40.3	31	14.0	42	44.4	52.143	—
	η. Ceti.	54	36.9	42.2	55	18.0	43.4	49.0	8.938	—
	θ. Ceti.	58	44.0	59.8	54	30.4	46.4	1.4	—	—
	ι. Ceti.	—	—	—	8	0.3	16.0	32.2	44.900	—
	κ. Ceti.	14	55.2	10.1	15	40.4	55.4	10.2	25.343	—
27 ^a	α. Virginis.	14	39.2	55.1	4	26.3	42.3	54.8	10.454	—
	β. Virginis.	14	23.2	42.0	26	5.3	22.0	38.3	48.400	—
	γ. Virginis.	25	58.7	53.0	35	22.9	38.0	52.8	8.041	—
	δ. Virginis.	34	23.0	—	35	—	—	—	—	—
	ε. Virginis.	55	49.9	19.8	58	—	—	—	—	—
	ζ. Virginis.	58	4.8	19.8	52	—	—	—	—	—
	η. Virginis.	—	—	—	—	—	—	—	—	—
	θ. Virginis.	—	—	—	—	—	—	—	—	—
	ι. Virginis.	—	—	—	—	—	—	—	—	—
	κ. Virginis.	—	—	—	—	—	—	—	—	—
28 ^a	α. Aurigae.	4	59.2	42.0	52	50.2	52	20.0	35.662	—
	β. Aurigae.	58	42.8	54.8	—	—	—	—	8.594	—
	γ. Aurigae.	44	48.1	54.0	45	22.0	—	—	8.060	—
	δ. Aurigae.	50	49.8	55.2	51	26.2	42.0	54.8	12.676	—
	ε. Aurigae.	52	52.8	55.5	54	49.5	55.3	10.8	28.212	—
	ζ. Aurigae.	59	58.8	60	60	48.1	59.9	15.2	—	—
	η. Aurigae.	14	58.4	11.4	15	46.5	58.4	41.2	26.454	—
	θ. Aurigae.	15	—	33.1	25	6.4	23.0	49.3	49.400	—
	ι. Aurigae.	34	49.0	54.0	35	23.8	48.8	54.5	8.947	—
	κ. Aurigae.	—	—	49.4	18	20.6	39.0	55.1	6.020	—
29 ^a	α. Ceti.	—	6.0	21.0	52	50.2	52	20.0	35.662	—
	β. Ceti.	—	42.0	2.4	42	42.2	50.2	6.2	14.621	—
	γ. Ceti.	—	—	—	36	42.2	20.2	42.0	55.800	—
	δ. Ceti.	21	10.0	22	22	34	—	32.2	45.417	—
	ε. Ceti.	28	4.0	29	29	29	—	18.4	34.100	—
	ζ. Ceti.	41	23.4	40.3	31	14.0	42	44.4	52.143	—
	η. Ceti.	54	36.9	42.2	55	18.0	43.4	49.0	8.938	—
	θ. Ceti.	58	44.0	59.8	54	30.4	46.4	1.4	—	—
	ι. Ceti.	—	—	—	8	0.3	16.0	32.2	44.900	—
	κ. Ceti.	14	55.2	10.1	15	40.4	55.4	10.2	25.343	—
30 ^a	α. Virginis.	14	39.2	55.1	4	26.3	42.3	54.8	10.454	—
	β. Virginis.	14	23.2	42.0	26	5.3	22.0	38.3	48.400	—
	γ. Virginis.	25	58.7	53.0	35	22.9	38.0	52.8	8.041	—
	δ. Virginis.	34	23.0	—	35	—	—	—	—	—
	ε. Virginis.	55	49.9	19.8	58	—	—	—	—	—
	ζ. Virginis.	58	4.8	19.8	52	—	—	—	—	—
	η. Virginis.	—	—	—	—	—	—	—	—	—
	θ. Virginis.	—	—	—	—	—	—	—	—	—
	ι. Virginis.	—	—	—	—	—	—	—	—	—
	κ. Virginis.	—	—	—	—	—	—	—	—	—
31 ^a	α. Aurigae.	4	59.2	42.0	52	50.2	52	20.0	35.662	—
	β. Aurigae.	58	42.8	54.8	—	—	—	—	8.594	—
	γ. Aurigae.	44	48.1	54.0	45	22.0	—	—	8.060	—
	δ. Aurigae.	50	49.8	55.2	51	26.2	42.0	54.8	12.676	—
	ε. Aurigae.	52	52.8	55.5	54	49.5	55.3	10.8	28.212	—
	ζ. Aurigae.	59	58.8	60	60	48.1	59.9	15.2	—	—
	η. Aurigae.	14	58.4	11.4	15	46.5	58.4	41.2	26.454	—
	θ. Aurigae.	15	—	33.1	25	6.4	23.0	49.3	49.400	—
	ι. Aurigae.	34	49.0	54.0	35	23.8	48.8	54.5	8.947	—
	κ. Aurigae.	—	—	49.4	18	20.6	39.0	55.1	6.020	—

OBSERVATIONES CULMINATIONUM ANNI 1817.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
20 ^a Augusti	Centrum. ♂	52 ^h 24 1 — 44 35 54	49.5 ^h 25.0 ^h 49.0 ^h — 12.9 ^h 59.9 ^h 32.0 ^h	52.5 ^h 52.0 ^h 32.0 ^h 12.1 ^h 42.9 ^h 31.0 ^h 4.0 ^h	52.9 ^h 8.1 ^h 52.3 ^h 24.0 ^h 58.0 ^h 46.5 ^h 19.0 ^h	52.6 ^h 25.4 ^h 14.0 ^h 42.0 ^h — 1.9 ^h 35.4 ^h	54 ^h 38.8 ^h 35.3 ^h 58.8 ^h 24.8 ^h 14.2 ^h 51.3 ^h	54 ^h 25 ^h 3 ^h 8 ^h 45 ^h 32 ^h 53 ^h	54 ^h 36.8 ^h 52.9 ^h 24.0 ^h 57.8 ^h 46.42 ^h 18.95 ^h	— — — — — — —
	α. Tauri.	24	24	24	25	25	25	25	25	—
	β. Aurigae.	1	2	2	2	3	3	3	3	—
	γ. Orionis.	5	5	5	5	5	5	5	5	—
	δ. Orionis.	5	44	44	44	—	45	45	44	—
	ε. Canis maj.	35	36	36	36	34	32	32	30	—
	ζ. Canis min.	54	54	52	52	52	52	52	52	—
	η. Geminorum.	—	22	22	22	22	22	—	22	—
	θ. Canis min.	28	28	29	29	29	29	30	29	—
	ι. Geminorum.	32	33	33	33	34	34	34	33	—
	κ. Canis min.	0	0	1	1	1	1	1	1	—
	λ. Geminorum.	16	16	16	16	16	16	16	16	—
	μ. Canis min.	18	18	18	18	18	18	18	18	—
	ν. Geminorum.	18	18	18	18	18	18	18	18	—
	ξ. Canis min.	19	19	19	19	19	19	19	19	—
	ο. Geminorum.	19	19	19	19	19	19	19	19	—
	π. Canis min.	20	20	20	20	20	20	20	20	—
	ρ. Geminorum.	20	20	20	20	20	20	20	20	—
	σ. Canis min.	21	21	21	21	21	21	21	21	—
21 ^a	Centrum. ♀	—	—	—	—	—	—	—	—	—
	α. Tauri.	—	—	—	—	—	—	—	—	—
	β. Aurigae.	—	—	—	—	—	—	—	—	—
	γ. Orionis.	—	—	—	—	—	—	—	—	—
	δ. Orionis.	—	—	—	—	—	—	—	—	—
	ε. Canis maj.	—	—	—	—	—	—	—	—	—
	ζ. Canis min.	—	—	—	—	—	—	—	—	—
	η. Geminorum.	—	—	—	—	—	—	—	—	—
	θ. Canis min.	—	—	—	—	—	—	—	—	—
	ι. Geminorum.	—	—	—	—	—	—	—	—	—
	κ. Canis min.	—	—	—	—	—	—	—	—	—
	λ. Geminorum.	—	—	—	—	—	—	—	—	—
	μ. Canis min.	—	—	—	—	—	—	—	—	—
	ν. Geminorum.	—	—	—	—	—	—	—	—	—
	ξ. Canis min.	—	—	—	—	—	—	—	—	—
	ο. Geminorum.	—	—	—	—	—	—	—	—	—
	π. Canis min.	—	—	—	—	—	—	—	—	—
	ρ. Geminorum.	—	—	—	—	—	—	—	—	—
	σ. Canis min.	—	—	—	—	—	—	—	—	—
	τ. Geminorum.	—	—	—	—	—	—	—	—	—
	υ. Canis min.	—	—	—	—	—	—	—	—	—
	φ. Geminorum.	—	—	—	—	—	—	—	—	—
	χ. Canis min.	—	—	—	—	—	—	—	—	—
	ψ. Geminorum.	—	—	—	—	—	—	—	—	—
	ω. Canis min.	—	—	—	—	—	—	—	—	—
21 ^a	Centrum. ♂	—	—	—	—	—	—	—	—	—
	α. Tauri.	—	—	—	—	—	—	—	—	—
	β. Aurigae.	—	—	—	—	—	—	—	—	—
	γ. Orionis.	—	—	—	—	—	—	—	—	—
	δ. Orionis.	—	—	—	—	—	—	—	—	—
	ε. Canis maj.	—	—	—	—	—	—	—	—	—
	ζ. Canis min.	—	—	—	—	—	—	—	—	—
	η. Geminorum.	—	—	—	—	—	—	—	—	—
	θ. Canis min.	—	—	—	—	—	—	—	—	—
	ι. Geminorum.	—	—	—	—	—	—	—	—	—
	κ. Canis min.	—	—	—	—	—	—	—	—	—
	λ. Geminorum.	—	—	—	—	—	—	—	—	—
	μ. Canis min.	—	—	—	—	—	—	—	—	—
	ν. Geminorum.	—	—	—	—	—	—	—	—	—
	ξ. Canis min.	—	—	—	—	—	—	—	—	—
	ο. Geminorum.	—	—	—	—	—	—	—	—	—
	π. Canis min.	—	—	—	—	—	—	—	—	—
	ρ. Geminorum.	—	—	—	—	—	—	—	—	—
	σ. Canis min.	—	—	—	—	—	—	—	—	—
	τ. Geminorum.	—	—	—	—	—	—	—	—	—
	υ. Canis min.	—	—	—	—	—	—	—	—	—
	φ. Geminorum.	—	—	—	—	—	—	—	—	—
	χ. Canis min.	—	—	—	—	—	—	—	—	—
	ψ. Geminorum.	—	—	—	—	—	—	—	—	—
	ω. Canis min.	—	—	—	—	—	—	—	—	—

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
21 ^a Augusti	Centaur. H.	58'	42'	58'	58'	58'	58'	58'	58'	P.
	Lim. auct. C.	35'	46'	36'	38'	36'	37'	38'	38'	
	γ. Draconis.			54'	52'	52'	53'	54'	54'	
	μ. Sagittarii.	1	59.0	2	30.4	2	25.8	3	2	
	α. Lyrae.	29	44.5	30	25.4	30	44.6	31	30	
	β. Sagittarii.	49	5.3	50	29.9	51	13.2	52	50	
	γ. Aquilae.	36'	48.2	36'	48.9	37	13.0	37	37	
	α. Aquilae.	40	29.4	41	14.4	41	21.4	42	41	
	β. Aquilae.	45	15.9	45	45.9	46	15.4	46	46	
	2. α. Capricorni.	6	49.8	7	20.0	7	50.4	8	7	
	α. Cygni.	43	36.0	44	52.4	45	34.3	46	44	
	α. Aquarii.	35	19.8	36	46.7	37	34.0	38	36	
22 ^a	Centaur. β.	21	12.0	21	54.4	22	24.8	22	22	
24 ^a	γ. Draconis.			54'	52'	52'	53'	54'	54'	P.
	α. Lyrae.	29	27.0	30	23.9	30	48.0	31	30	
	β. Sagittarii.	49	44.0	50	38.5	51	12.9	52	50	
	α. Aquilae.			41	46.2	42	4.7	43	41	
	α. Capricorni.	6	48.3	7	34.0	8	34.1	9	7	
	α. Cygni.			34	52.5	35	56.4	36	34	
	Lim. auct. C.	43	13.8	44	23.1	45	42.4	46	44	
	α. Aquarii.	35	18.8	36	3.3	37	33.0	38	35	
25 ^a	Centaur. β.	20	35.0	21	5.1	21	45.4	22	21	
25 ^a	α. Tauri.			25	5.0	25	36.1	26	25	
	Centaur. δ.	4	51.2	5	23.0	5	54.2	6	5	
	β. Orionis.	4	39.2	5	24.0	5	54.3	6	5	
	α. Canis min.	45	47.2	46	23.8	47	54.4	48	46	
	Lim. orient. ♀			15	16.3	16	44.9	17	15	
	α. Gemini.			22	33.2	23	3.4	24	22	
	α. Canis min.	28	52.0	29	22.1	29	58.3	30	29	
	β. Gemini.	42	11.1	43	45.0	44	18.6	45	43	
	α. Canis min.	10	18.9	11	49.0	12	19.2	13	11	
	β. Canis min.	15	28.8	16	59.0	17	29.2	18	16	
	♀	29	26.8	30	56.5	31	41.1	32	29	
				41	12.0			42	41	

1/2 25a lunatio aera
Abba pafine videri videntur.

Nam Augusti 25a
Nocturne aera.

OBSERVATIONES CULMINATIONUM ANNI 1817.

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
25 ^a Augusti	Centrum ♀	59'	18.4	59'	58.0	60'	52.8	16'	51.885	♀ in □ cum ☉
	γ. Draconis.	50	50.1	54	1.8	52	52.3	14	1.914	
	μ. Sagittarii.	1	42.8	58.4	30.4	2	17.9	18	30.560	
	δ. Sagittarii.	42	46.8	2.0	26.4	43	26.0	18	36.640	
	ζ. Sagittarii.	49	48.0	2.0	29.5	50	30.4	18	39.498	
	η. Aquilae.	36	29.4	59.9	14.8	37	—	19	44.911	
	θ. Aquilae.	40	44.3	17.1	32.3	41	42.0	19	32.334	
	ι. Aquilae.	45	15.9	45.8	0.4	46	44.9	19	0.580	
	κ. Capricorni.	6	49.8	20.0	35.3	7	20.2	20	33.186	
	λ. Cygni.	33	50.0	31.8	52.8	35	34.2	20	52.669	
	limb. oris. α	21	55.9	24.5	43.4	48	31.0	21	43.656	
	δ. Aquarii.	55	26.0	49.8	—	56	48.4	21	4.444	♀ b. cum ☉
	Centrum ♀	20	4.5	44.0	49.1	21	34.0	22	48.904	
26 ^a	δ. Capris maj.	6	—	29.0	44.2	36	15.1	6	44.286	
	limb. oris. ♀	4	4.8	39.3	53.3	20	24.0	7	54.484	
	δ. Canis min.	7	—	8.0	23.0	29	52.4	7	22.850	
	δ. Serpentis.	15	11.6	41.4	56.3	35	26.2	15	38.585	
	μ. Hydra.	18	4.4	43.1	0.9	43	36.4	18	0.826	
	γ. Sagittarii.	18	48.9	22.9	40.0	50	14.3	18	40.091	
	γ. Aquilae.	19	40.0	0.0	13.2	37	43.6	19	55.320	
	δ. Aquilae.	19	48.0	18.0	43.0	41	2.9	19	32.951	
	μ. Aquilae.	19	16.4	46.4	1.0	44	31.0	19	4.223	
	δ. Capricorni	20	50.0	20.5	36.0	7	6.0	20	35.726	
	δ. Aquarii.	21	20.2	50.1	51.0	56	34.6	21	4.951	
29 ^a	limb. oris. ♀	7	5.4	37.0	53.0	34	24.4	7	52.213	♀ in diff. media a ☉.
	δ. Gemas Bot.	10	22.1	12.3	24.4	28	54.6	10	27.468	
	Centrum ♀	15	51.1	21.3	36.3	30	6.5	15	26.088	
	δ. Scorpii	16	43.8	15.5	46.1	—	2.4	16	32.041	
	γ. Herculis	16	2.9	—	52.4	18	25.4	16	32.612	
	δ. And. maj.	16	10.9	45.9	3.0	34	38.0	16	3.084	
30 ^a	δ. And. maj.	6	57.0	28.1	43.4	36	44.0	6	43.454	
	δ. Gemina.	7	—	15.3	33.1	22	8.0	7	32.944	
	δ. Canis min.	7	—	6.2	21.4	29	51.0	7	21.940	

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
30 ^a Augusti	p. Ceminorum <i>Limbo orient.</i> ♀	1 131	10.8 58	33 48	34.4 38	1.6 38	18.6 39	11 19.9	131 138	44.434 32.152
	♂. Lyra.	10 131	20.0 58	31 48	5.3 38	20.5 38	13.2 39	50.0 19.9	131 138	32.152
	♂. Aquila.	18 131	29.1 58	34 48	14.4 38	29.1 38	13.2 39	59.2 19.9	131 138	32.152
	♂. Aquila.	18 131	52.4 58	54 48	43.2 38	2.9 38	20.3 39	32.9 19.9	131 138	32.152
	♂. Aquila.	18 131	53.8 58	58 48	39.5 38	55.0 38	10.0 39	25.0 19.9	131 138	32.152
31 ^a	♂. Ceminorum	1 131	10.8 58	33 48	34.4 38	1.6 38	18.6 39	11 19.9	131 138	44.434 32.152
	♂. Canis min.	28 131	35.2 58	29 48	20.4 38	35.2 38	50.0 39	4.9 19.9	29 138	20.432
	p. Ceminorum	32 131	52.9 58	33 48	44.9 38	0.4 38	12.2 39	44.0 19.9	33 138	42.087
1 ^a Septembris	♂. Corona bor.	35 131	59.4 58	36 48	32.9 38	49.8 38	6.6 39	22.8 19.9	36 138	33.090
	♂. Hercules	5 131	24.8 58	5 48	55.0 38	10.4 38	25.9 39	41.0 19.9	5 138	55.323
	♂. Ophiuchi.	25 131	14.9 58	25 48	3.4 38	19.0 38	44.0 39	49.0 19.9	26 138	3.609
2 ^a	♂. Hercules	5 131	24.4 58	5 48	55.0 38	10.4 38	25.8 39	40.8 19.9	5 138	55.180
4 ^a	♂. Scorpis	11 131	16.1 58	11 48	49.3 38	5.5 38	22.2 39	14.9 19.9	11 138	49.222
	♂. Hercules	5 131	24.8 58	5 48	55.1 38	10.4 38	25.6 39	40.9 19.9	5 138	55.243
	♂. Ophiuchi	25 131	14.9 58	25 48	3.4 38	18.4 38	43.4 39	49.0 19.9	26 138	3.580
6 ^a	♂. Aquila	19 131	28.2 58	36 48	13.8 38	28.9 38	43.8 39	58.8 19.9	32 138	13.413
	♂. Aquila	19 131	46.3 58	41 48	31.2 38	46.0 38	1.0 39	15.8 19.9	41 138	34.159
	p. Aquila	45 131	14.8 58	45 48	59.8 38	15.1 38	29.8 39	43.9 19.9	45 138	59.824
	♂. 2. Capricorni	20 131	46.5 58	41 48	34.3 38	49.2 38	4.5 39	19.4 19.9	41 138	34.229
	♂. Cygni	20 131	49.0 58	34 48	51.8 38	12.3 38	33.0 39	53.9 19.9	20 138	54.416
	♂. Aquarii	21 131	19.0 58	55 48	48.9 38	18.1 38	43.0 39	44.9 19.9	56 138	3.626
	♂. Hylas antini	22 131	20.4 58	46 48	12.6 38	29.8 38	47.0 39	3.8 19.9	44 138	12.501
9 ^a	♂. Canis majon	35 131	58.8 58	36 48	42.1 38	54.6 38	12.8 39	28.0 19.9	36 138	42.130
	♂. Canis min.	28 131	35.2 58	29 48	20.0 38	34.9 38	49.8 39	4.4 19.9	29 138	20.024
	p. Ceminorum	32 131	52.6 58	33 48	43.2 38	0.1 38	16.8 39	32.5 19.9	33 138	42.200
11 ^a	♂. Hercules	6 131	6.8 58	6 48	54.4 38	8.1 38	27.3 39	38.8 19.9	6 138	52.903
	♂. Ophiuchi	26 131	15.3 58	26 48	1.0 38	16.2 38	21.2 39	46.4 19.9	24 138	1.084
	♂. Aquila	45 131	14.8 58	45 48	53.2 38	23.5 38	38.5 39	52.5 19.9	45 138	8.504
	♂. Aquila	19 131	41.1 58	41 48	26.0 38	40.9 38	38.2 39	10.9 19.9	41 138	26.229
	p. Aquila	45 131	9.8 58	45 48	54.4 38	9.4 38	24.2 39	38.8 19.9	45 138	54.589
12 ^a	♂. Ceminorum	21 131	52.9 58	22 48	27.1 38	44.4 38	2.9 39	19.4 19.9	21 138	27.256
	♂. Canis min.	28 131	45.5 58	29 48	16.0 38	30.9 38	45.2 39	0.2 19.9	29 138	15.826
	p. Cemin.	32 131	51.3 58	33 48	39.0 38	54.9 38	12.8 39	29.4 19.9	33 138	39.041
	♂	18 131	14.4 58	18 48	59.3 38	14.1 38	28.2 39	42.4 19.9	20 138	4.335
	♂	20 131	22.6 58	20 48	4.3 38	22.4 38	34.3 39	51.4 19.9	20 138	4.335

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
12 ^{da} Septemb ^{ris}	♀ α. Capricorni.	54 ¹ 21.4	54 ¹ 54.0	54 ¹ 52.1	54 ¹ 46.9	54 ¹ 42.8	54 ¹ 16.4	54 ¹ 12.9	54 ¹ 24.0	P
13 ^{da}	α. Caminorum.	28 29.4	28 44.8	28 59.4	28 44.5	28 43.1	28 44.0	28 59.0	28 14.572	
14 ^{da}	α. Canis minoris.	42 46.4	42 44.8	42 20.4	42 34.7	42 54.6	42 11.0	42 24.8	42 32.614	
15 ^{da}	β. Caminorum.	21 49.0	21 41.1	21 19.0	21 34.1	21 49.0	21 3.8	21 18.0	21 38.106	K
16 ^{da}	α. Aquilae.	23 57.4	23 12.3	23 27.1	23 42.0	23 57.0	23 12.0	23 27.1	23 23.100	P
17 ^{da}	β. Aquilae.	40 58.0	40 53.0	40 8.0	40 23.0	40 58.0	40 53.0	40 7.9	40 54.169	
18 ^{da}	α. Caminorum.	45 6.4	45 24.1	45 36.6	45 54.1	45 6.0	45 24.0	45 43.9	45 24.444	
19 ^{da}	α. Canis minoris.	21 51.9	21 44.7	21 7.0	21 24.3	21 42.0	21 54.1	21 16.4	21 12.827	
20 ^{da}	β. Caminorum.	29 28.0	29 43.0	29 54.0	29 12.9	29 28.0	29 42.6	29 54.2	29 36.014	
21 ^{da}	α. Caminorum.	42 45.2	42 2.2	42 19.2	42 36.0	42 54.0	42 9.4	42 26.2	42 41.642	
22 ^{da}	α. Aquilae.	22 22.8	22 54.8	22 52.9	22 4.6	22 22.8	22 54.1	22 52.0	22 48.044	
23 ^{da}	α. Canis minoris.	24 30.8	24 45.9	24 6.8	24 15.7	24 30.8	24 45.2	24 0.2	24 56.530	
24 ^{da}	α. Aquilae.	5 2.1	5 44.0	5 52.9	5 48.0	5 11.9	5 26.7	5 48.8	5 4.084	
25 ^{da}	α. Canis minoris.	25 10.9	25 26.0	25 41.5	25 58.3	25 11.9	25 26.7	25 48.8	25 24.444	
26 ^{da}	α. Aquilae.	47 18.8	47 34.0	47 49.0	47 4.0	47 19.0	47 34.0	47 49.0	47 24.444	
27 ^{da}	α. Canis minoris.	40 36.8	40 51.9	40 6.8	40 24.8	40 37.0	40 51.4	40 6.5	40 50.040	
28 ^{da}	β. Aquilae.	45 3.2	45 20.1	45 45.2	45 50.0	45 3.0	45 19.8	45 44.2	45 24.444	
15 ^{da}	α. Corona Bore.	28 57.3	29 12.1	29 27.0	29 42.1	29 57.0	29 11.9	29 26.8	29 46.162	K
16 ^{da}	α. Serpenti.	31 5.7	31 20.1	31 35.0	31 50.1	31 5.0	31 20.0	31 34.7	31 24.246	P
17 ^{da}	α. Canis minoris.	25 44.0	25 50.1	25 7.8	25 24.1	25 41.0	25 54.8	25 14.0	25 43.645	
18 ^{da}	α. Aquilae.	5 0.2	5 15.9	5 51.1	5 46.7	5 8.0	5 17.2	5 42.3	5 46.631	
19 ^{da}	α. Canis minoris.	40 14.8	40 50.0	40 5.4	40 20.0	40 35.0	40 50.0	40 4.8	40 20.111	
20 ^{da}	β. Aquilae.	45 9.4	45 18.4	45 45.3	45 48.1	45 3.2	45 17.9	45 42.8	45 48.444	
21 ^{da}	α. Canis minoris.	1 35.2	1 56.1	1 44.8	1 49.0	1 0.0	1 21.0	1 42.0	1 48.890	
22 ^{da}	β. Canis minoris.	4 20.8	4 42.0	4 54.4	4 12.2	4 27.2	4 42.3	4 54.0	4 12.265	
23 ^{da}	α. Canis minoris.	14 20.8	14 34.3	14 54.8	14 44.3	14 28.2	14 45.2	14 1.8	14 11.469	
24 ^{da}	α. Canis minoris.	21 22.2	21 34.4	21 52.2	21 4.1	21 22.2	21 47.0	21 52.1	21 4.184	
25 ^{da}	α. Canis minoris.	38 42.0	38 2.2	38 12.0	38 42.0	38 47.1	38 2.4	38 14.0	38 43.213	
26 ^{da}	α. Canis minoris.	44 58.7	44 13.3	44 54.8	44 43.2	44 58.1	44 13.1	44 28.1	44 43.324	
27 ^{da}	α. Canis minoris.	21 28.4	21 46.0	21 5.8	21 28.3	21 38.9	21 56.2	21 13.6	21 21.306	
28 ^{da}	α. Canis minoris.	28 23.0	28 46.0	28 53.0	28 10.0	28 24.8	28 59.8	28 54.3	28 9.956	
29 ^{da}	β. Canis minoris.	42 42.6	42 59.1	42 16.0	42 33.0	42 49.9	42 6.8	42 23.3	42 33.086	
30 ^{da}	α. Canis minoris.	32 30.9	32 46.0	32 1.0	32 16.0	32 30.9	32 45.7	32 0.5	32 19.986	K.
31 ^{da}	β. Canis minoris.	34 39.1	34 54.0	34 9.0	34 24.0	34 39.0	34 53.8	34 8.3	34 19.986	

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones
16 ^{da} Septembris	γ. Aquilae: 19 ^h α. Aquilae. 19 α. Agrarii. 21	36' 40 55	15 ^h 2 35.7 6.3	36' 40 55	36' 40 55	36' 40 55	36' 40 55	36' 40 55	19 ^h 45 ^m 8 ^s 18.578 30.894	P — —
17 ^{da} —	⊙	36' 40 55	5.8 17.4	36' 40 55	36' 40 55	36' 40 55	36' 40 55	36' 40 55	34.515	P
18 ^{da} —	α. Geminae. 7 α. Canis min. 7 β. Geminae. 7	— 28 32	— 25.8 40.3	22 28 32	22 28 32	22 28 32	22 28 32	22 28 32	19.638 8.393 31.214	— — —
19 ^{da} —	⊙ α. Agrarii. 21	39 41 55	40.5 48.9 4.5	40 42 55	40 42 55	40 42 55	40 42 55	40 42 55	29.405 49.058	K. P
19 ^{da} —	δ. Orionis. ε. Orionis. ζ. Orionis. η. Orionis. θ. Orionis. ι. Geminae. κ. Canis min. λ. Geminae.	21 25 30 37 43 21 28 42	19.8 35.9 16.4 44.6 55.1 25.2 22.0 39.2	21 25 30 37 43 21 28 42	21 25 30 37 43 21 28 42	21 25 30 37 43 21 28 42	21 25 30 37 43 21 28 42	21 25 30 37 43 21 28 42	48.541 20.342 58.141 29.241 40.455 18.149 6.965 30.286 22.204	— — — — — — — — — —
20 ^{da} —	ι. Aurigae. ♀ ⊙ δ. Aurigae	43 45 0	14.0 22.3 31.3	43 45 1	43 45 1	43 45 1	43 45 1	43 45 1	2.970 55.940	K. P.
20 ^{da} —	β. Geminae. ⊙ ι. Aurigae. κ. Aurigae. λ. Aurigae. μ. Aurigae. ν. Aurigae.	32 46 48 25 36 0 55 10	34.4 47.8 56.1 55.0 10.3 29.4 1.2 50.2	32 46 48 25 36 0 55 11	32 46 48 25 36 0 55 11	32 46 48 25 36 0 55 11	32 46 48 25 36 0 55 11	32 46 48 25 36 0 55 11	28.243 36.679 37.824 55.841 14.184 45.680 34.852	— K. P. — — — —
21 ^{da} —	δ. Aquilae ι. Aurigae. κ. Aurigae. λ. Aquilae. μ. Aquilae. ν. Aurigae.	50 52 — 25 36 40 44 0	21.7 30.0 — 54.2 9.0 24.0 53.3 28.3	50 52 15 26 36 40 45 0	50 52 15 26 36 40 45 0	50 52 15 26 36 40 45 0	50 52 15 26 36 40 45 0	50 52 15 26 36 40 45 0	10.664 37.100 36.014 54.214 12.043 40.141 12.364	K. P. — — — — —

OBSERVATIONES CULMINATIONUM ANNI 1817

Menses et Dies	Nomina Astrorum	Filum I.	Filum II.	Filum III.	Filum IV.	Filum V.	Filum VI.	Filum VII.	Culminationes	Animadversiones	
22 ^a Septembris	α . Geminoxum 17 ^h	28 ¹	38 ¹ 7	28 ¹	58 ⁶	22 ¹	48 ⁷ 4	23 ⁵	5 ¹ 9	46 ¹ 22 ¹ 13 ¹ 59 ⁶	P
	α . Canis minoris. 4	28	32 ¹ 7	28	42 ¹ 1	29	32 ¹ 1	29	44 ⁰ 2	29 22 ¹ 22 ¹ 52	—
	μ . Geminoxum. 4	32	32 ¹ 3	33	8 ¹ 4	33	37 ⁰ 3	34	18 ¹ 4	33 25 ¹ 24 ⁰	—
	$\odot$. 11	53 ¹	10 ¹ 9	54 ¹	26 ⁰ 0	54 ¹	10 ¹ 6	55 ¹	25 ⁰ 0	55 ¹ 45 ¹ 01 ⁴	K.
	α . Aquila 19	56 ¹	19 ¹ 4	56 ¹	34 ¹ 2	57 ¹	19 ¹ 0	57 ¹	33 ¹ 7	57 ¹ 10 ¹ 50 ⁹	P.
	μ . Aquila 19	40	20 ¹ 4	40	55 ¹ 3	41	40 ¹ 1	41	55 ¹ 3	41 58 ¹ 72 ³	—
	δ . Antinoi. 20	44	9 ¹ 0	45	23 ¹ 9	45	8 ¹ 4	46	23 ¹ 2	45 ¹ 10 ¹ 99 ⁴	—
		0	41 ¹ 2	0	56 ¹ 2	1	40 ¹ 4	1	55 ¹ 3	20	—
23 ^a —	$\odot$. 11	57 ¹	45 ¹ 7	58 ¹	0 ¹ 5	58 ¹	45 ⁰ 8	58 ¹	59 ¹ 8	11 59 ¹ 19 ¹ 37 ¹	K.
	α . Antinoi. 20	0	39 ¹ 9	0	54 ¹ 4	1	39 ⁰ 0	1	54 ¹ 8	20 9 ¹ 40 ⁰	P.
	μ . Aquarii 22	24	45 ¹ 3	25	0 ¹ 6	25	45 ¹ 1	—	—	22 15 ¹ 26 ¹ 4	—
26 ^a —	α . Piscis Austr. 22	45	16 ¹ 1	46	33 ¹ 3	47	25 ¹ 1	47	42 ¹ 4	22 50 ¹ 74 ⁴	K.
	β . Pegasi 22	53	39 ¹ 9	53	56 ¹ 6	54	46 ¹ 7	55	3 ¹ 6	22 13 ¹ 36 ⁰	—
	λ . Piscium 23	31	32 ⁰ 0	31	46 ¹ 8	32	31 ¹ 1	32	46 ⁰ 0	23 1 ¹ 57 ⁹	—
	β . Andromed. 0	57	13 ¹ 6	58	31 ¹ 7	59	25 ¹ 6	59	43 ¹ 5	58 49 ¹ 66 ⁸	—
27 ^a —											
27 ^a Septembris	α . Piscis austrini 22 ^h	48	54 ¹ 9	49	28 ¹ 7	49	45 ¹ 6	50	47 ⁰ 0	22 42 ¹ 68 ⁶	P
	α . Regasi 22	54	22 ¹ 2	54	37 ¹ 8	57	53 ⁰ 0	58	48 ¹ 4	22 53 ¹ 00 ⁰	—
	ϵ . Piscium 0	54	12 ¹ 6	55	27 ¹ 6	55	42 ¹ 3	55	27 ⁰ 0	58 42 ¹ 48 ⁶	—
	$\odot$. 23	21	2 ¹ 1	22	17 ¹ 8	22	4 ¹ 0	23	17 ¹ 8	22 13 ¹ 58 ⁶	—
	α . Arietis 1	54	46 ¹ 2	54	52 ¹ 1	59	40 ¹ 2	59	56 ¹ 3	1 8 ¹ 21 ⁴	—

Immersio μ Mercurii
in $\odot$. observata 17^h 40^{min}
23^h 55^{min} 49^{sec} temp. merid.
K. observatore.

$\odot$ in $\frac{1}{2}$ Reginoxum

Emerio μ Piscium e
Luna observata fuit
— 27^a Sept. O^h 51' 42" tempore
— horologij. observ. K.

Immersione μ Piscium
in $\odot$. observata 17^a 10^h 15^m
23^h 55^m 39^s 5^h temp. horol.
— K. observata.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 181⁵₆

Menses, et Dies Civiles.	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
1815 21 ^o Octobris.	<i>♂. Draconis.</i> <i>♂. Cygni.</i>	19 ^h 41' 39.0 20 34 16.0	203° 13' 37.5 Ad. 225 55 54.0 Occ.	27 ^p 5.5	+9.9	Pasquich. Obsco.
23 ^o	<i>♂. Draconis.</i> <i>♂. Cygni.</i>	19 11 32.0 20 34 11.3	242 55 31.5 Oct. 220 13 16.7 Oct.	27 7.2	+11.3	P.
1816 10 ^o Januarii	<i>♂. Ursae minoris</i> in Super. Culm. <i>♂. Ursae minoris</i> in Infer. Culm.	0 53 2.0 0 54 49.2 1 4 33.2 1 17 9.6 2 47 14.0 2 49 42.5	182 16 14.0 Occ. 263 55 54.5 Oct. 263 55 54.5 Oct. 182 16 8.5 Occ. 165 30 14.5 Occ. 280 40 15.0 Oct.	27 2.0	-0.9	P.
11 ^o	<i>♂. Ursae minoris</i> in infer. Culm.	12 55 29.0 13 0 12.0	148 54 55.0 Occ. 264 15 0.5 Oct.	27 2.1	Intern. +0.7 Extern. -0.6	P. Trans nubec.
22 ^o Aprilis.	<i>♂. Leonis.</i> <i>♂. Virginis.</i>	11 38 50.5 11 41 38.5 13 14 38.3 13 16 45.3	148 4 58.5 Oct. 211 53 17.0 Occ. 132 20 1.0 Oct. 147 39 21.6 Oct.	27 4.9	Int. +9.4 Ext. +10.0 Int. +9.4 Ext. +9.8	Kmetz. Obsco.
23 ^o	Centrum ♀	14 17 22.2 14 19 46.2	130 28 26.0 Oct. 149 28 50.0 Occ.	27 4.8	Int. +9.2 Ext. +9.0	
23 ^o	<i>♂. Leonis.</i> <i>♂. Corvi.</i> <i>♂. Virginis.</i>	11 38 5.1 11 40 33.1 11 57 4.1 12 0 8.1 13 14 15.1 13 16 43.1	148 4 32.5 Oct. 211 49 54.0 Occ. 108 48 0.0 Oct. 251 5 35.0 Occ. 122 10 32.0 Oct. 237 35 53.0 Occ.	27 5.0	Int. +9.0 Ext. +9.2	K.
24 ^o	Centrum ♀	14 10 18.1 14 13 35.1	120 20 33.0 Oct. 239 22 20.0 Occ.		Int. +8.6 Ext. +8.4	in vicinia ♂ cum ☉
1 ^o Maii.	Centrum ♀ <i>♂. Ursae majoris</i> in Super. Culm.	1 5 10.5 1 8 9.5 10 47 39.8 50 29.3 52 44.8 54 29.8 56 14.8 58 5.8 60 40.8 62 26.3	166 44 11.5 Oct. 245 45 11.5 Occ. 142 22 41.5 Int. 264 33 37.3 Finis Octupla Distant. a Vertice 122° 10' 55.8	27 1.6 27 1.9	Ad Circ. +25.4 - Bar. +10.0 Ad Circ. +11.4 - Bar. +11.5 Extern. +12.0	P.
2 ^o	Centrum ♀	1 6 43.0 1 8 48.0	207 12 10.5 Oct. 291 16 10.5 Occ.	27 2.7	Ad Circ. +18.4 - Bar. +10.3 Extern. +13.5	P.
13 ^o	Centrum ♀ <i>♂. Ursae majoris</i> in Super. Culm.	1 10 33.4 1 13 42.4 10 41 55.5 43 51.4 45 51.0 47 47.0 50 6.0 51 39.0 53 55.0 55 46.0 57 59.0 59 35.0	242 14 31.25 Oct. 225 22 32.45 Occ. 58 13 35.15 Int. 210 50 18.25 Finis Octupla Distant. a Vertice 152° 46' 49.0	27 5.2 27 5.4	Ad Circ. +20.6 - Bar. +10.3 Extern. +11.3 Ad Circ. +11.8 - Bar. +11.8 Extern. +9.5	P. ♀ in maxima australi latitudine heliocentrica
5 ^o	<i>♂. Ursae majoris</i> in Super. Culm.	10 46 24.0 48 6.0 49 40.0 51 19.0 52 45.5 54 14.0 55 50.5 57 21.0	141 52 14.0 Int. 263 58 43.5 Finis Octupla Distant. a Vertice 122° 6' 29.25	27 5.0	Ad Circ. +9.8 - Bar. +9.9 Extern. +6.0	P.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
8 ^a Maii.	<i>α. Ursa majoris</i> in Super. Culm.	10 ^h 23' 3.0 44 41.0 47 44.5 49 41.5 50 38.0 52 2.0 53 18.0 54 40.0 55 54.0 57 34.5	208° 54' 31.5 Init. 1 36 52.0 Finis Decupla Distant. a Vertice 152° 42' 20.5	27 ^p 2.8	Ad Circ. +9.3 Bar. +9.3 Extern. +8.0	P.
10 ^a	<i>α. Ursa majoris</i> in Super. Culm.	10 43 26.4 45 0.4 46 26.7 47 51.4 51 38.2 53 5.4 54 54.4 56 30.4 58 2.4 59 28.2	354 52 30.0 Init. 150 34 13.25 Finis Decupla Distant. a Vertice 152° 44' 43.25	27 2.0	Ad Circ. +8.6 Bar. +9.2 Extern. +6.2	P. Observatio subia.
20 ^a	<i>α. Ursa majoris</i> in Super. Culm.	10 46 22.5 48 44.0 50 44.0 51 37.5 53 41.5 54 59.5	72 30 54 Init. 164 4 23.5 Finis Sexupla Distant. a Vertice 91° 33' 26.5	27 4.4	Ad Circ. +16.2 Bar. +13.8 Extern. +15.0	P.
29 ^a	<i>α. Ursa minoris</i> in Super. Culm.	12 48 3 51 9 52 53 55 0 56 39 58 45 60 32 62 12 63 58 65 54	174 55 1 Init. 256 40 13.75 Finis Decupla Distant. a Vertice 441° 45' 12.45	27 5.5	Ad Circ. +15.3 Bar. +14.8 Extern. +14.3	P.
30 ^a	Centrum ♀	3 49 21.8 21 11.8	258 49 12.20 Init. 319 24 10.25 Finis Dupla Distant. a Vertice 60° 54' 58.05	27 5.0	Ad Circ. +26.4 Bar. +13.4 Extern. +16.4	P.
1 ^a Junii	Centrum ♀	3 27 17.0 28 30.0	320 59 59.75 Ort. 20 16 52.25 Occ. Dupla distantia a Vertice 59 16 52.50	27 3.6	Ad Circ. +19.9 Ad Bar. +14.6 Extern. +17.7	P.
2 ^a	<i>α. Ursa minoris</i> in infer. Culm.	12 48 2.0 54 39.0 53 28.0 56 46.0 58 36.0 60 9.0 61 42.0 63 12.0 64 43.0 66 18.0	358° 15' 50.25 Init. 80 1 1.75 Finis Decupla Dist. a Vertice 441° 45' 11.50	27 ^p 4.5	Ad Circ. +14.4 Bar. +9.5 Ext. +13.5	P.
4 ^a	Centrum ♀	3 40 12.0 42 40.5 45 25.5 46 30.5	155 0 1.5 Init. 269 45 41.0 Finis Quadrupla Dist. a Vertice 114 45 39.5	27 4.2	Ad Circ. +16.5 Barom +13.8 Extern. +14.0	P.
7 ^a	<i>α. Ursa minoris</i> in infer. Culm.	12 56 31.8 58 16.8 60 15.8 64 9.8 66 22.8 67 42.8	269 59 54.75 Init. 145 3 10.75 Finis Sexupla Dist. a Vertice 265° 3' 13"	27 2.8	Ad Circ. +14.3 Bar. +13.7 Extern. +12.4	P.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
24 ^a Junii.	<i>p. Ursa minoris</i> in Super. Culm.	14 ^h 44' 14.2 45 50.2 47 56.2 49 36.2 51 21.2 52 55.2 54 39.2 57 34.3 59 29.4 61 5.2	175° 3' 10.75 Init. 89 15 31.00 Finis Scapula Dist. a Vertice 274° 12' 20.25	27 ^p 3.8	As Circ. + 13.4 Bar. + 14.3 Extern. + 11.6	P.
7 ^a	<i>α. Ursa minoris</i> in infer. Culm.	12 48 54.0 53 38.0 55 33.0 57 44.0 59 27.0 60 58.0 63 8.0 64 36.0 66 20.0 67 48.	120 0 2 Init. 201 45 19 Finis Scapula Dist. a Vertice 244° 45' 17"	27 2.3	As Circ. + 12.4 Bar. + 12.5 Extern. + 10.4	P.
	<i>p. Ursa minoris</i> in Super. Culm.	14 43 58.0 45 42.0 47 6.0 48 31.0 50 4.0 51 21.0 52 52.0 54 14.0 57 0.0 59 1.0	201 45 19 Init. 115 54 10.5 Finis Scapula Dist. a Vertice 274° 11' 56.5	27 ^p 2.3	As Circ. + 12.2 Bar. + 12.5 Extern. + 10.0	P.
9 ^a	<i>α. Ursa minoris</i> in infer. Culm.	12 ^h 49 31.0 51 11.0 53 35.0 55 12.0 56 54.0 58 33.0 60 27.0 62 4.0 63 44.0 65 11.0	119° 59' 58.25 Init. 201 45 19.0 Finis Scapula Dist. a Vertice 244° 45' 20.75	27 ^p 1.5	As Circ. + 13.4 Bar. + 13.1 Extern. + 10.7	P.
	<i>p. Ursa minoris</i> in Super. Culm.	14 44 4.8 45 32.8 46 52.8 48 14.8 49 40.8 51 11.8 52 43.8 54 10.8 55 33.8 57 4.8	201 45 19.0 Init. 115 56 47.25 Finis Scapula Dist. a Vertice 274° 11' 28.25	27 1.6	As Circ. + 12.3 Bar. + 12.7 Extern. + 10.0	P.
10 ^a	<i>α. Ursa minoris</i> in infer. Culm.	12 48 36.4 50 53.4 52 32.4 55 52.4 58 36.4 60 20.4 62 42.4 64 45.4 67 2.4 70 48.4	149 59 59.25 Init. 231 45 16.5 Finis Scapula Dist. a Vertice 244° 45' 19.25	27 1.2	As Circ. + 13.2 Bar. + 14.0 Extern. + 10.4	P.
	<i>p. Ursa minoris</i> in Super. Culm.	14 49 33.4 50 59.4 52 31.4 53 59.4 55 25.4 56 47.4 58 3.4 59 30.9 61 0.4 62 22.9	231 45 16.5 Init. 145 59 1.0 Finis Scapula Dist. a Vertice 274° 13' 42.5	27 2.0	As Circ. + 14 Bar. + 14 Extern. + 13	P.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
13 ^a Junii.	p. Ursae minoris in Supex. Culm.	14 ^h 43 ¹ 15 ¹¹ 46 50 48 6 49 53 51 39 53 8 56 27 58 13 61 28 64 29	189° 59' 54.45 Init. 104 14 48.50 Finis. Decupla Dist. a Vertice 274° 74' 50.75	27 ^p 5.4	Circ. + 16.15 Max. + 15.44 Extrem. + 15.2	P.
14 ^a	p. Ursae minoris in Supex. Culm.	14 ^h 43 11.8 44 52.8 48 48.8 50 16.8 51 37.8 52 52.8 56 1.8 57 34.8 59 24.8 60 53.8	105° 0' 0.5 Init. 19 13 29.0 Finis Decupla Dist. a Vertice 274° 13' 28.5	27 ^p 4.7	Circ. + 17.5 Max. + 16.4 Extrem. + 16.3	P.
16 ^a	Limbo. Supex. ☉	5 30 11 32 44 34 48 36 14 38 42 40 8 42 25 44 2 45 44 46 58	0° 0' 0" Init. 238 42 17.5 Finis. Decupla Dist. a Vertice 238° 42' 17.5	27 3.5	Circ. + 22.8 Max. + 16.3 Extrem. + 19.5	P. Limbus undulans et valde tremulus
17 ^a	p. Ursae minoris in Supex. Culm.	14 40 4 41 50 43 20.5 44 43 46 28 48 15 49 56 51 34 53 21 54 55 56 42 58 8 59 31 61 2	0° 0' 1.75 Init. 23 56 53.00 Finis Decupla Dist. a Vertice 383° 56' 51.25	27 2.5	Circ. + 16.4 Max. + 16.5 Ext. + 15.6	P.
24 ^a	p. Ursae minoris in Supex. Culm.	14 42 54 44 19 45 43 47 5 48 20 49 39 51 2 52 33 53 51 55 7 56 29 57 54	0° 0' 0.75 Init. 329 3 2.25 Fin. Decupla Dist. a Vertice 329° 3' 1.5	27 2.5	Circ. + 15.6 Max. + 16 Ext. + 15.4	P.
27 ^a	Limbo. Supex. ☉	6 ^h 15 ¹ 22 17 2 18 33 19 59 21 4 22 48 24 21 25 55 27 38 29 8	0° 0' -0.25 Init. 238 53 12.50 Finis Decupla Dist. a Vertice 238° 53' 12.45	27 3.5	Circ. + 18.8 Max. + 14.0 Ext. + 15.5	P. Limbus ut die 16 ^a Distans a Vertice angu- lus similia Fidei ereptio = 3.555.
27 ^a	p. Ursae minoris in Supex. Culm.	14 ^h 43 23.7 45 2.7 46 24.7 48 5.7 49 23.7 50 54.7 52 46.7 54 10.7 55 33.7 56 48.7	238° 53' 32.5 Init. 150 53 24.5 Finis Decupla Dist. a Vertice 271° 59' 52.0	27 3.5	Circ. + 15.4 Max. + 14.4 Ext. + 14.9	P. Observatio optima, at arceos aliquo cir- culi aut Alchidados motu inuolvis reddita

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENTHALIUM

ANNI 1816

Menses, et Dies Civiles.	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
<u>Junius</u> 29 ^{da}	Limb. infus. ☉	6 ^h 24 ^l 32 ^s 26 33 27 41 30 54 31 48 43 0 44 8 45 21 46 28 48 44	150° 0' 1" init. 135 24 41.5 Finis 10pla Dist. a Vertice 245° 21' 16.5"	27 ^p 28.9	Circ. + 17.5 Bar. + 14.2 Ext. + 15.4	Minutae distantia a Vertice limbiae fili cofite = 3.555. P.
<u>Julius</u> 5 ^a	Centrum ☉	6 ^h 46 35 49 21 51 8 52 13 53 24 54 34 55 50 57 14 58 20 59 38	50° 0' 0" init. 296 55 38 Finis 10pla Dist. a Vertice 246° 55' 48"	27 ^p 28.9	Circ. + 18.1 Bar. + 13.8 Ext. + 16.1	P.
5 ^a	p. Ursa minor in Super. Culm.	14 45 25 47 41 49 0 50 30 52 26 53 20 56 40 59 47 61 31 63 16	1345° 0' -2.5 init. 259 14 48.5 Finis 10pla Dist. a Vertice 244° 14' 51.0	27 ^p 48.7	Circ. + 14.8 Bar. + 14.2 Ext. + 14.5	P.
5 ^a	Limb. Supra. ☉	15 38 54 40 44 42 49 44 12 45 47 47 2 48 45 50 25	259° 14' 48.5 init. 69 24 10 Finis 8upla Dist. a Vertice 530° 12' 21.5"	27 ^p 48.7	Circ. + 14.8 Bar. + 14.2 Ext. + 14.5	utrum, proat vel aban, cofitem fili utavem P. Jamper, subito.
9 ^{da}	Centrum ☉	7 5 49.5 7 18.5 8 35.5 9 53.5 11 29.5 12 46.5 14 10.5 16 13.5 17 21.5 18 39.5 19 43.5 20 55.5	80° 0' -0.75 init. 21 24 45.50 Finis 12pla Dist. a Vertice 301° 24' 44.75"	27 4.8	Circ. + 21.0 Bar. + 14.8 Ext. + 19.8	P. Limbus valde tremulus et crispus.
10 ^{da}	Centrum ☉	19 43 40.5 45 19.5 46 49.5 48 15.5 49 36.5 41 23.5 42 32.5 44 38.5 46 24.5 47 50.5	105° 0' 4" init. 117 30 37.5 Finis 10pla Dist. a Vertice 432° 30' 37.5"	27 4.6	Circ. + 15.8 Bar. + 15.6 Ext. + 14.4	P.
10 ^{da}	Centrum ☉	7 9 44.5 11 17.5 12 39.5 14 8.5 15 15.5 16 39.5 17 56.5 19 35.5 20 43.5 21 47.5 22 45.5 23 56.5 25 52.5 27 28.5	120° 0' -2.25 init. 113 26 9.5 Finis 14pla Dist. a Vertice 353° 26' 12.75"	27 4.0	Circ. + 21.1 Bar. + 16.5 Ext. + 20.3	P.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
10 ^o Julii	β . Ursa minoris in super. Culm.	14 ^h 43 ^m 54 ^s 45 20 46 33 47 46 50 45 52 41 53 26 55 10 56 44 58 9 59 28 60 41	200° 0' 1" 169 5 3.25 12pla Dist. a Vertice 329° 51' 21.25	27 ^p 3 ^e .0	Circ. + 18.8 Max. + 18.2 Ext. + 18.5	P.
10 ^o —	α . Aurigae.	16 ^h 53 30.0 60 42.5 63 10.0 65 22.5 68 33.5 70 31.5	169° 5' 3.25 328 9 2.25 6upla Dist. a Vertice 519° 3' 59.00	27 ^p 3 ^e .0	Circ. + 17.8 Max. + 17.5 Ext. + 17.3	P.
11 ^o —	Centrum ☉	20 ^h 29 51 31 33 33 49 35 17 36 54 38 29 40 20 41 53 43 8 44 17	338° 9' 1" Init. 318 22 31.5 Finis. 10pla	27 ^p 2 ^e .6	Circ. + 16.6 Max. + 16.6 Ext. + 15.4	P.
11 ^o —	Centrum ☉	7 ^h 14 39 16 43 18 26 20 35 22 1 23 42 25 23.5 27 53 29 38 33 46	318° 22' 31.5 Init. 212 9 59.75 Finis. 10pla Dist. a Vertice 253° 47' 28.25	27 2.4	Circ. + 22.4 Max. + 16.6 Ext. + 20.2	K. Observatio dubia
13 ^o —	Limbus super. ☉	22 ^h 13 35.4 15 19.4 16 46.4 17 51.4 19 27.4 20 52.4 22 14.4 23 53.4 25 15.4 26 32.4	130 0 0 Init. 47 4 41.75 Finis 10pla Dist. a Vertice 637° 4' 41.45	27 0.6	Circ. + 11.5 Max. + 13.3 Ext. + 9.3	P.
	α . Ursa majoris in infer. Culm.	22 ^h 44 ^m 43.4 46 14.4 49 28.4 51 22.2 53 44.7 55 12.2 56 37.4 58 37.7 60 54 61 38.7	47 4 41.75 Init. 24 14 12.5 Finis 10pla Dist. a Vertice 697° 12' 19.5			
	Centrum ☉	7 ^h 26 58.9 28 3.9 29 26.9 30 30.9 31 26.9 32 26.9 33 29.9 34 26.9 36 4.9 38 44.9	130 0 -0.75 Init. 26 26 31.0 Finis 10pla distantia a Vert. 256 26 31.75	27 1.8	Circ. + 16.3 Max. + 14.3 Ext. + 14.3	P.
14 ^o —	α . Ursa majoris in infer. Culm.	22 ^h 45 8.8 47 2.8 49 50.8 51 10.8 53 0.3 54 46.8 56 49.3 58 14.8 59 48.8 61 18.3	26 26 31 Init. 3 38 44.5 Finis 10pla Dist. a Vertice 697° 12' 13.5	27 3.0	Circ. + 10.4 Max. + 12.4 Ext. + 8.2	P.

Dist. ☉ a Vertice. minusculis
similia confecta p. 23.555

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Athmosphoerae		Notae
				Barometr.	Thermometr.	
14 ^a Julii	Centrum ☉	7 ^h 28' 39.2 30 47.2 34 22.2 36 22.2	3° 38' 44.5 Init. 106 47 36.5 Finis 4pla Distant. a Vertice 103 8' 52.0	27 ^p 4.1	Circ. + 15.1 Bar. + 13.4 Ext. + 12.5	P.
15 ^a	α Ursae majoris in inf. Culm.	22 ^h 40 5.8 48 42.8 54 0.8 55 9.8 58 28.8 59 54.8 59 2.8 60 29.8	106 47 36.5 Init. 304 54 39.45 Finis 8pla Dist. a Vertice 554° 44' 3.25	27 4.6	Circ. + 10.9 Bar. + 12.8 Ext. + 9.7	K.
	Limbus Supr. ☾	23 ^h 40 6.4 41 44.4 43 29.4 45 4.4 46 26.4 47 44.4 49 24.4 51 12.4 52 30.4 53 52.4 55 24.4 56 44.4	304 54 39.45 Init. 234 51 26.45 Finis 12pla Dist. a Vertice 650° 16' 47"	27 4.6	Circ. + 11.0 Bar. + 12.6 Ext. + 8.9	K. Dist. α. minoris dist. a Juli cr. p. 12 = 4.555.
	Centrum ☉	7 31 26 32 42 33 59 35 3 36 22 37 29 38 36 39 40 40 41 41 50 42 54 44 15	234 51 26.75 Init. 186 12 0.5 Finis 12pla Distantia a Vert. 371 20 33.75	27 4.8	Circ. + 21.8 Bar. + 13.7 Ext. + 15.5	P.
	Centrum ♀	13 50 4.5 51 55.0 53 38.5 55 1.0 56 55.0 58 40.0	186 12 0.5 Init. 174 57 51.5 Finis Oppla Distantia a Vert. 348 45 51.0	27 4.2	Circ. + 16.0 Bar. + 14.6 Ext. + 14.5	P.
16 ^a	Centrum ♀	7 25 25.5 25 16.5 26 39.5 34 20.5	274 54 51.5 Init. 274 5 9.5 Finis 4pla Dist. a Vertice 79° 4' 18.0	27 3.5	Circ. + 21.0 Bar. + 14.3 Ext. + 14.5	P.
	Centrum ♀	13 50 6 51 25 53 15 54 25 56 2.5 57 18.5 59 2 60 44	274 5 9.5 Init. 19 14 59.0 Finis 8pla Dist. a Vertice 465° 12' 49.5	27 4.0	Circ. + 18.6 Bar. + 16.1 Ext. + 17.4	
	β Ursae minoris in superiore Culm.	14 40 6.5 48 11 49 31 54 17 52 58 54 59.5 56 22 57 54.5	19 17 59.0 Init. 238 39 23.0 Finis 8pla Dist. a Vertice 219° 21' 24"	27 4.0	Circ. + 17.8 Bar. + 16.3 Ext. + 16.4	
	α Aurigae in inferiore Culmin.	16 59 4.1 62 13.6 64 32.1 66 13.1 68 8.1 70 1.1	238 39 23.0 Init. 37 43 46.8 Finis 6pla Distantia a Vertice 519 4 23.5	27 4.1	Circ. + 16.6 Bar. + 15.5 Ext. + 15.4	
17 ^a	α Ursae majoris in inferiore Culmin.	22 44 7.8 48 4.8 49 58.8 51 37.8 53 24.8 55 28.8 57 29.8 59 15.8 61 2.8 62 36.8	37 43 46.5 Init. 14 55 34.25 Finis 10pla Distantia a Vertice 697 11 47.75	27 3.5	Circ. + 14.6 Bar. + 15.0 Ext. + 12.6	K.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
19 ^a Julii	Limb. sup. C.	2 ^h 58' 12".0 59 43.0	250° 0' -6".5 114 21 11.25 2pla Dist. a Vertice 69° 21' 12".25	27 4.4	Circ. + 14.2 Bar. + 14.0 Ext. + 19.6	K. Dist. C. minoribus similita fili croatica = 13.555
	Centrum C	13 48 2.0 49 18.0 51 4.0 52 18.0 54 33.0 56 18.0 57 57.0 59 48.5	10° 0' 3" 115 51 19.25 8pla Distantia a Vert. 465 51 16.25	27 5.0	Circ. + 17.9 Bar. + 15.7 Ext. + 17.5	K.
	β Ursae minor. in Super. Culmin.	14 45 49.8 46 57.8 48 48.8 50 11.8 51 44.3 53 3.8 56 41.3 58 8.8 59 42.8 61 52.8	115 51 19.25 Init. 30 5 12.50 Finis 10pla Distantia a Vert. 274° 13' 53".25	27 4.9	Circ. + 17.2 Bar. + 15.6 Ext. + 16.5	P.
20 ^a	α Ursae maioris in inferiori Culm.	22 ^h 43 54.0 45 50.0 47 16.0 48 50.0 50 39.0 52 9.0 54 6.0 55 46.0 58 3.0 59 26.0	30 5 12.50 Init. 7 18 29.00 Finis 10pla Dist. a Vertice 697° 13' 16.5	27 5.1	Circ. + 14.4 Bar. + 15.0 Ext. + 12.9	K.
22 ^a Julii	α Ursae maioris in inferiore Culmin.	22 44 46.0 46 13.0 47 41.0 49 7.0 51 30.0 52 57.0 54 39.0 56 2.0 57 40.0 59 3.0	125 0 1.75 Init. 102 13 39.75 Finis 10pla Distantia a Vertice 697 13 38.0	27 3.5	Circ. + 15.2 Bar. + 16.3 Ext. + 13.5	K.
	α Ursae minoris in Superiore Culmin.	0 44 51.7 49 52.7 51 33.7 52 59.7 54 25.7 56 3.7 57 42.7 59 2.7 60 47.7 62 29.7	102 13 39.75 Init. 150 28 16.75 Finis 10pla Distantia a Vertice 408 14 31.0	27 3.5	Circ. + 14.5 Bar. + 15.7 Ext. + 13.2	K. Dist. a Vertice minoribus similita fili croatica = 13.555
23 ^a	Centrum C	13 53 59.5 55 54.5	150 28 10.75 Ad occ. 267 8 31.0 Ad occ. Dupla distantia a Vert. 116 40 20.25	27 4.0	Circ. + 17.0 Bar. + 16.3 Ext. + 15.4	P. 2. in □ cum ☉
	β Ursae minoris in Super. Culm.	14 42 31.3 44 16.3 45 42.3 47 7.3 48 31.3 49 50.3 51 21.3 54 23.3 56 33.3 59 50.3	267 8 31.0 Init. 181 21 46.75 Finis 10pla Dist. a Vertice. 274° 13' 15.45	27 3.8	Circ. + 16.6 Bar. + 16.2 Ext. + 15.0	P.
	α Aurigae in inferiori Culm.	16 53 38.0 55 28.0 57 16.5 58 44.0 61 22.5 64 44.0	181 21 46.75 Init. 340 23 34.75 Finis. 6pla Dist. a Vertice. 519° 1' 48".0	27 3.9	Circ. + 15.4 Bar. + 16.1 Ext. + 14.4	P.
24 ^a	α Ursae minoris in Superiore Culmin.	0 49 52.5 51 23.5 52 59.5 54 13.5 55 29.5 56 42.5 58 5.5 59 42.5 61 26.5 62 50.5	260 0 -0.5 Init. 308 13 46.00 Finis 10pla Dist. a Vertice 408° 13' 45.5	27 3.9	Circ. + 14.8 Bar. + 15.5 Ext. + 13.9	K.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies Civiles.	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
24 ^a Julii.	Centrum π	13 ^h 55' 54.8 56 54.3	308° 12' 46.0 Ort. 64 54 42.5 Occ. 2pla Dist. a Vertice 116° 43' 56.5	27 3.6	Circ. + 19.3 Bar. + 18.1 Ext. + 19.3	K.
25 ^a —	α Urtae minor. in Superiore Cul.	0 48 42.8 50 45.8 52 3.8 53 17.8 54 27.8 55 47.8 56 37.8 57 37.8 58 49.8 59 57.8 61 12.3 62 28.8	310 0 -0.25 In 79 52 40.50 Fi 12pla Distantia a Vert 2489 52 40.75	27 3.3	Circ. + 15.4 Bar. + 16.1 Ext. + 14.8	K.
	Centrum π	13 ^h 56' 58.8 54 54.3	79° 52' 40.25 Ort. 196 40 15.00 Occ. 2pla Dist. a Vertice 116° 44' 34.5	27 3.0	Circ. + 20.6 Bar. + 17.6 Ext. + 19.5	K.
26 ^a —	Centrum π	6 7 58.8 6 58.8	196 40 15.0 Ort. 249 2 58.25 Occ. 2pla Dist. a Vertice 52° 22' 23.25	27 4.0	Circ. + 21.1 Bar. + 16.2 Ext. + 15.5	P.
	Centrum π	8 16 16.8 21 58.8	249 2 58.25 Ort. 302 40 16.25 Occ. 2pla Dist. a Vertice 53 27 58.0	27 4.1	Circ. + 18.3 Bar. + 16.2 Ext. + 16.0	P.
27 ^a —	Centrum π	7 3 21.0 12 21.0	302 30 16.25 Ort. 354 38 47.75 Occ. 2pla Distantia a Vert. 52 8 31.5	27 4.4	Circ. + 18.0 Bar. + 15.3 Ext. + 14.6	P.
	Centrum π	7 58 31.0 60 54.0	354 38 47.75 Ort. 111 34 10.25 Occ. 2pla Distantia a Vert. 116 55 22.5	27 4.3	Circ. + 15.4 Bar. + 15.6 Ext. + 14.7	P.
28 ^a —	Centrum π	7 51 40.3 52 40.3	151 34 10.25 Ort.			
1 ^a Augusti	Simb. Super. α	15 19 43.6 21 59.6 23 26.6 25 32.6 27 29.6 29 19.6 30 47.6 32 16.6	141 45 19.025 Ort. 302 8 31.000 Occ. 8pla Distantia a Vert. 520 23 11.975	27 2.6	Circ. + 15.8 Bar. + 15.1 Ext. + 13.3	P.
4 ^a —	α Aurigae. in infer. Culmin.	16 55 4.0 56 44.0 58 42.0 60 19.0 61 58.0 63 30.0 64 3.5 66 8.0 70 43.0 72 28.0 74 16.0 75 46.0	25 0 0 Inizium 343 2 0.75 Finis 12pla Distantia a Vertice 1038° 2' 0.75	27 5.3	Circ. + 16.7 Bar. + 15.0 Ext. + 15.2	K.
	Centrum α	18 19 56.0 22 58.0	343 2 0.75 Ort. 130 5 9.75 Occ. 2pla Dist. a Vertice 127° 3' 19.0	27 5.3	Circ. + 16.2 Bar. + 15.0 Ext. + 15.0	
5 ^a —	Centrum π	8 6 25.5 13 5.5	130 5 9.75 Ort. 183 3 51.05 Occ. 2pla Distantia a Vert. 52 58 41.30	27 5.0	Circ. + 20.0 Bar. + 16.7 Ext. + 20.3	K.
	Centrum π	9 7 55.7 14 25.2	183 3 51.05 Ort. 242 27 45.00 Occ. 2pla Distantia a Vert. 59 23 53.95	27 5.0	Circ. + 21.0 Bar. + 17.4 Ext. + 20.9	—

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU
ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Athmosphoerae		Notae
				Barometr.	Thermometr.	
8 ^a Augusti	α Aurigae	16 ^h 56' 14".8 58' 1.8 59' 34.8 17 1' 5.8 2' 45.8 4' 2.8 5' 32.8 7' 0.8 8' 36.8 10' 4.3	221° 0' 0".25 Init. 6 4 45.5 Finis 10pla Distantia a Vertice 865 4 45.25	27 4.8	Circ. + 15.8 Bar. + 15.7 Ext. + 13.6	K
9 ^a —	Centrum ζ	21 38 22.1 2 40 7.6	6 4 45.5 Ort. 132 30 23.75 Occ. Dupla Distantia a Vertice 126 25 28.25	27 4.9	Circ. + 15.6 Bar. + 14.4 Ext. + 11.7	K
	Centrum ϵ	21 58 2.6 22 0 2.6 1 23.6 2 51.6 4 37.6 6 12.6	132 30 23.75 Init. 165 16 11.50 Finis 6pla Distantia a Vertice 392 45 47.75	—	—	—
	α Ursae maioris in inferiore Culm.	22 44 41.4 46 8.4 47 24.4 48 31.4 50 6.4 51 20.4 53 6.4 54 21.4 55 43.4 57 5.4 58 32.4 59 57.4	165 16 11.50 Init. 281 57 30.00 Finis 12pla Distantia a Vertice 836 41 18.50	—	—	—
	α Ursae minoris in Superiore Culm.	0 49 4.5 50 56.5 53 30.5 54 44.5 56 18.5 57 33.5 59 10.5 60 17.5 61 46.5 63 11.5	281 57 30.00 Init. 330 11 52.05 Finis 10pla Distantia a Vertice 408 14 22.05	27 4.4	Circ. + 13.9 Bar. + 15.9 Ext. + 11.4	—
	η Ursae maioris in inferiore Culm.	1 32 10.2 36 59.2 39 5.2 41 13.2 45 54.2 48 16.2	330 11 52.05 Init. 103 9 43.025 Finis 6pla Distantia a Vertice 492 57 50.975	27 4.5	Circ. + 13.5 Bar. + 14.7 Ext. + 11.0	Littrow.
	α Aurigae in inferiore Culm.	16 56 48.0 58 42.0 17 1 1.0 2 28.0 3 48.0 5 1.0 6 46.0 8 10.0	103 9 43.025 Init. 75 16 11.000 Finis 8pla Distantia a Vertice 692 6 27.975	27 4.6	Circ. + 17.7 Bar. + 17.4 Ext. + 15.7	K.
10 ^a —	α Ursae minoris in Superiore Culmin.	0 47 58.0 49 31.0 51 12.0 52 41.0 54 20.0 55 39.0 57 7.0 58 34.0 60 4.0 61 27.0 62 59.0 64 10.0	75 16 11.0 Initium 205 9 33.25 Finis 12pla Distantia a Vertice 489 53 22.25	27 4.6	Circ. + 14.9 Bar. + 16.4 Ext. + 12.4	K.
12 ^a —	α Aurigae in inferiore Culmin.	16 52 48.3 55 38.3 57 28.3 59 38.3 62 6.3 63 51.3 66 0.3 67 35.3 69 14.3 70 29.3	300 0 -1.25 Init. 85 3 9.25 Finis. 10pla Dist. a Vertice 865° 3' 10".50	27 7.6	Circ. + 17.2 Bar. + 17.2 Ext. + 15.7	L.
	α Aquilae	19 40 54.5 42 54.5	85 3 9.25 Init. 163 12 54.25 Finis. 2pla Dist. a Vertice 48° 9' 48.00	27 7.5	Circ. + 16.5 Bar. + 16.8 Ext. + 14.9	P.

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1816.

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
13 ^a Augusti	α . Aurigae in inferiore culm.	16 ^h 54' 48" 56' 50" 59' 33" 60' 56" 62' 18" 63' 44" 65' 35" 67' 9" 69' 4" 70' 24" 72' 10" 73' 19"	187 26 24.75 Inet 145 71 31.75 Fin 127 ^{la} Diff. a Vertice 1038° 5' 41.0	27 6.5	Circ. +18.3 Bar. +16.7 Ext. +14.0	L.
	δ . Aquilae	19 41 6.4 42 45.2	145 31 31.75 Inet 223 41 21.00 Fin 27 ^{la} Diff. a Vertice 48 9' 49.25	27 6.5	Circ. +14.5 Bar. +17.3 Ext. +15.7	P.
14 ^a	α . Aquilae	19 39 52 41 42	244 56 14.45 Inet 326 6 4.25 Fin 27 ^{la} Diff. a Vertice 48 9' 49.5"	27 5.0	Circ. +14.5 Bar. +18.0 Ext. +16.5	P.
27.	α Aquilae	19 ^h 30' 4" 32 22 33 54 36 31 36 52 38 5 39 29 40 54 42 3 43 22 44 27 45 32 46 43 47 59	194° 59' 59" Inet 322 21 58 Fin 14 th Diff. a Vertice 547° 21' 59" Diff. a vertice 39° 5' 57" 357	27 5.2	Circ +16.6 Bar +13.2 Ext +10.0	L.
28	γ Lyrae	18 ^h 46' 46" 47 33 48 32 50 0 51 2 52 5 53 21 54 17 55 13 56 22	322° 21' 58" In 112 50 56 Fin 101 st Diff. a Vert. 150° 28' 58" Simplex Diff. a Vert. 15° 2' 53.8"	27 6.4	Circ +12.0 Bar. +12.7 Ext +10.0	L.
28	α Aquilae	19 ^h 34' 59" 36 30 37 45 39 5 40 30 42 0 43 55 44 39	112° 50' 56" In 65 32 94.5 Fin 82 = 312° 41' 28.3 2 = 39° 5' 12" 312	27 6.4	Cir 12.0 B. 12.5 Ex 9.9	K.
30 th	Centrum $\odot$	10 32 32 34 17 35 37 36 0	120 0 0.5 Inet. 272 52 1.0 Fin 47 ^{la} Distantia a Ver 152 52 0.5	27 5.0	Circ. 16.6 Bar. 14.0 Ext. 16.2	K.

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Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
30 August	γ Lyrae	18 ^h 48' 44.0 49 46.0 50 43.0 51 49.0 53 36.0 54 44.0 55 53.0 57 3.0 58 57.0 60 36.0	272° 52' 1.0 Init. 63 30 28.0 Finis 10pla Distantia a Vert. 150 38 27.0	27 ^p 4.0	Circ. + 13.0 Bar. + 13.3 Ext. + 10.9	L.
30 —	δ Aquilae	19 13 28.0 15 16.0 17 13.0 18 43.0 20 32.0 22 10.0	63 30 28.0 Init. 331 49 39.5 Finis 6pla Distantia a Vert. 268 19 11.5	—	—	L. <i>Status Libellae</i> a 6 5.2 ¹ / ₂ - - 5.1 ¹ / ₄ 5.2 ³ / ₄ 5.2 ¹ / ₂ 5.2 ³ / ₄ 5.2 - - 5.2
30 —	α Aquilae	19 40 4.3 41 42.3 43 52.3 45 25.3	331 49 39.5 Init. 128 9 58.5 Fin. 4pla Distantia a Vert. 156 20 19.0	—	—	L. <i>Status Libellae</i> a 6 5.2 ¹ / ₂ - - 5.1 ¹ / ₄ 5.1 ¹ / ₂ - - 5.1 5.3 - - 5.2
4 Septemb	Centrum $\odot$	10 52 34.0 54 2.0 55 14.0 56 16.0 58 0.0 58 56.0	215 0 0.5 Init. 96 21 11.0 Finis 6pla Distantia a Vert. 241 21 10.5	27 4.6	Circ. + 19.0 Bar. + 13.8	L. Observatio erronea
5 —	Centrum $\odot$	10 51 31.0 53 25.0 54 40.0 55 49.0 57 26.0 59 19.0	124 59 56.5 Init. 9 2 27.0 Finis 6pla Distantia a Vert. 244 2 30.5	27 5.2	Circ. + 16.5 Bar. + 14.0 Ext. + 15.4	L. <i>Status Libellae</i> 5.1 ¹ / ₂ - - 4.3 ¹ / ₄ 4.1 ¹ / ₂ - - 4.3 ¹ / ₄ 5.1 - - 4.1 ³ / ₄ 4.2 - - 4.3 5.0 - - 4.3
6 —	Centrum $\odot$	10 52 14.0 54 2.0 55 36.0 57 15.0 58 35.0 60 13.0	164 59 58.75 Init. 51 17 39.75 Fin. 6pla Distantia a Vert. 246 17 41.0	27 5.5	Circ. + 17.1 Bar. + 14.5 Ext. + 16.5	L. <i>Status Libellae</i> 4.2.8 - - 4.2.4 4.2.3 - - 4.2.0 4.2.1 - - 4.2.0 4.2.5 - - 4.2.1 4.2.0 - - 4.2.1 4.2.1 - - 4.2.1 Observ. dubia limbo solis undulante.
9 —	Centrum $\odot$	11 4 27.0 6 1.0 8 59.0 12 11.0 13 32.0 15 10.0	359 59 57.75 Init. 253 4 0.5 Finis 6pla Distantia a Vert. 253 4 2.75	27 5.0	Circ. + 19.1 Bar. + 13.4 Ext. + 15.4	L. <i>Status Libellae</i> 19.0 - - 17.0 18.4 - - 18.5 17.4 - - 18.5 19.3 - - 18.6 17.2 - - 15.7 19.9 - - 15.7 Libella pro his observationibus e Circulo minore desumpta sex vires, cuius una divisio 3.908 aequivaleret.
10 —	γ Lyrae	18 48 15.0 50 15.0 52 1.0 53 20.0 54 53.0 56 26.0	229 47 21.5 Init. 326 4 3.75 Finis 6pla Distantia a Vert. 90 16 42.25	27 7.1	Circ. + 14.7 Bar. + 14.3 Ext. + 12.9	L. <i>Status Libellae</i> 20.6 - - 19.2 20.4 - - 20.0 21.2 - - 20.0 20.0 - - 20.0 21.1 - - 20.0 20.0 - - 20.0
	δ Aquilae	19 11 46.5 13 29.5 14 52.5 16 10.5 17 56.5 19 33.5 21 10.5 22 25.5	320 4 3.75 Init. 317 49 54.00 Fin. 8pla Distantia a Vert. 357 45 50.25	—	—	L. <i>Status Libellae</i> 21.1 - - 18.9 20.2 - - 20.2 21.1 - - 20.2 20.2 - - 20.2 21.2 - - 20.1 20.1 - - 20.1 21.2 - - 20.1
	α Aquilae	19 35 33.0 37 32.0 39 1.0 40 19.0 42 6.0 44 21.0 46 18.0 48 29.0	317 49 54.00 Init. 270 33 18.075 Fin. 8pla Distantia a Vert. 312 43 24.075	—	—	L. <i>Status Libellae</i> 21.2 - - 19.9 20.6 - - 20.6 21.4 - - 20.1 20.1 - - 20.1 22.5 - - 21.2 21.2 - - 21.4
	ϵ Cygni	20 32 53.0 35 4.0 36 43.0 38 41.0 41 12.0 44 21.0	270 33 16.75 Init. 355 48 42.75 Finis 6pla Distantia a Vertice 85 15 26.0	—	—	K <i>Status Libellae</i> 22.5 19.0* 21.0* 21.0 22.5 19.0* 21.2* 20.6 22.5 19.0* 20.5* 21.0

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Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
10 Septemb.	ζ Cygni	20 ^h 57' 43.3 21 0 21.3 2 28.3 5 22.3 7 33.3 10 27.3	355° 48' 42.75 Init. 103 55 23.00 Finis 6pla Distantia a Vert. 108 6 40.25	27 ^p 7.1	Circ. + 14.7 Bar. + 14.3 Ext. + 12.5	K. 23.0 - - 19.0* 21.2* - - 20.5 23.0 - - 19.0* 21.5* - - 20.3 22.5 - - 19.3* 21.3* - - 20.3
11 —	Limb. infer. ☾	2 16 17.0 18 37.0 20 32.0 22 7.5	103 55 23.00 Init. 251 22 41.25 Finis 4pla Distantia a Vert. 147 27 18.25	27 7.3	Circ. + 13.0 Bar. + 13.6 Ext. + 11.0	K. Status libellae tempore observationis n. est mutatus
	Centrum ☉	11 11 26.5 14 1.5 16 33.5 18 10.5 20 15.5 22 56.5	251 22 41.25 Init. 148 59 8.5 Finis 6pla Distantia a Vert. 257 36 27.25	27 8.0	Circ. + 17.0 Bar. + 16.4 Ext. + 17.5	K. 19.7 - - 18.4* 19.0* - - 19.3 19.3 - - 19.0* 19.0* - - 19.3 O.B. 19.3 - - 19.0* 19.0* - - 19.3 Dist. Zenith. augeat. dim. fili crass.
	γ Lyrae	18 47 14.0 49 7.0 50 58.0 52 32.0 53 48.0 55 29.0 57 5.0 59 21.0	148 59 8.5 Initium 269 27 48.5 Finis 8pla Distantia a Vertice 120 28 40.0	27 7.9	Circ. + 15.6 Bar. + 15.7 Ext. + 13.7	L. 20.0 - - 20.2 19.5 - - - 20.0 - - - 19.5 - - - 20.0 - - 20.2 19.4 - - - 20.0 - - - 19.3 - - -
	δ Aquilae	19 11 40.0 13 28.0 14 54.0 16 7.0 17 26.0 18 44.0	269 27 48.5 Init. 177 45 8.75 Finis 6pla Distantia a Vertice 268 17 20.25	—	—	L. 20.2 - - 20.0 19.6 - - - 20.1 - - - 19.6 - - - 20.4 - - - 19.6 - - -
	α Aquilae	19 36 21.8 37 52.8 39 34.8 40 52.8 42 22.8 43 40.8 45 13.8 46 47.8	177 45 8.75 Init. 130 27 10.25 Finis 8pla Distantia a Vert. 312 42 1.5	—	—	L. 20.3 - - 19.7 19.8 - - - 20.2 - - - 19.8 - - - 20.3 - - - 20.0 - - - 20.3 - - -
	ε Cygni	20 35 14.0 37 14.0 40 21.0 42 44.0	130 27 10.5 Init. 187 16 9.75 Finis 4pla Distantia a Vert. 56 48 59.75	27 7.7	Circ. + 14.3 Bar. + 14.7 Ext. + 12.6	K. 20.3 - - 20.7* — - - — - - — - -
	ζ Cygni	20 58 13.5 21 1 42.5 3 30.5 5 30.5 7 28.5 9 17.5	187 16 9.75 Init. 295 21 15.25 Finis 6pla Distantia a Vert. 108 5 5.5	—	—	K. 20.5 - - 20.5* — - - — - - 21.0 - - 20.3* 20.7* - - 20.5*
	ε Pegasi	21 31 44.0 35 21.0 36 47.0 38 19.0 39 49.0 41 20.0	295 21 15.25 Init. 186 1 42.50 Finis 6pla Distantia a Vertice 230 40 27.25	—	—	K. — - - — - - — - - — - - — - - — - -
12 —	Centrum ☉	11 14 49.8 16 49.8 18 23.9 20 54.9 22 33.0 24 0.0 26 0.0 27 29.0	179 59 59.25 166 33 42.75 8pla Distantia a Vert. 346 33 43.5	27 7.1	Circ. + 17.1 Bar. + 16.0 Ext. + 17.5	K. 19.2 - - 19.3* 19.1 - - 19.3* 19.0* - - 19.4 19.1 - - 19.2* O.B. 18.6* - - 19.7 19.0 - - 19.1* 18.5* - - 19.8
	γ Lyrae	18 52 12.0 53 27.0 54 33.0 55 49.0 57 16.0 59 29.0	166 33 42.75 Init. 256 58 26.50 Finis 6pla Distantia a Vert. 90 24 43.75	27 6.4	Circ. + 15.4 Bar. + 15.7 Ext. + 14.6	L. 18.1 - - 19.5 19.4 - - - 18.2 - - 19.5 19.4 - - - 18.4 - - - 19.1 - - -
	δ Aquilae	19 11 4.5 12 30.5 14 6.5 15 11.5 16 25.5 17 31.5	256 58 26.50 Init. 165 15 42.75 Finis 6pla Distantia a Vertice 268 17 16.25	—	—	L. 19.1 - - 19.3 19.8 - - - 19.2 - - - 19.9 - - - 19.6 - - - 19.9 - - -

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Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Athmosphoerae		Notae
				Barometr.	Thermometr.	
12 ^{te} Septemb.	α Aquilae	19 ^h 25 ^m 59 ^s .8 27 22.8 28 44.9 29 51.9 31 13.9 32 23.0 34 4.0 35 10.0 36 24.0 37 25.0 38 41.0 39 50.0 41 0.0 42 21.0 43 48.1 45 4.1 46 22.2 47 24.2 49 21.3 50 43.3 52 2.3 53 30.3 54 53.3 56 30.4	165° 15' 42".75 Init. 24 19 16.50 Fini 24pla Distantia a Vert. 939 3 33.75	27 ^p 6.4	Circ. + 15.3 Bar. + 15.6 Ext. + 13.7	L 19.7 - - 19.7 20.0 - - - 19.4 - - - 20.9 - - - 19.6 - - - 20.0 - - - 19.7 - - - 20.0 - - - 19.6 - - - 20.2 - - - 19.6 - - - 20.0 - - - 20.1 - - - 19.7 - - - 20.0 - - - 19.9 - - - 20.0 - - - 19.9 - - - 20.1 - - - 20.2 - - - 20.3 - - - 20.0 - - - 20.2 - - - 20.0 - - -
14 ^{te} —	Centrum $\odot$	11 22 56.0 24 26.0 26 13.0 27 29.0 29 1.0 30 24.0 32 26.0 34 56.0	24 19 14.50 Init. 16 59 56.25 Fini 8pla Distantia a Vertice 352 40 41.75	27 8.3	Circ. + 16.1 Bar. + 14.0 Ext. + 13.6	K 20.3 - - 20.1 19.9 - - 20.6 20.3 - - 20.2 20.0 - - 20.6 20.0 - - 20.3 19.8 - - 20.6 20.2 - - 20.2 19.0 - - 21.1
	γ Lyrae	18 48 13.7 49 51.7 51 21.7 52 36.7 53 47.7 55 20.7 56 54.7 58 44.7	16 59 56.25 Init. 137 26 58.00 Fini 8pla Distantia a Vertice 120 27 1.75	27 9.4	Circ. + 13.0 Bar. + 13.5 Ext. + 11.2	L 21.4 - - 21.9 21.4 - - 21.8 21.5 - - - 21.4 - - - 21.9 - - - 21.5 - - - 21.9 - - - 21.6 - - -
	δ Aquilae	19 11 35.0 13 26.0 14 38.0 16 3.0 17 42.0 19 17.0 20 47.0 21 57.0	137 26 58.00 Init. 135 12 24.00 Fini 8pla Distantia a Vert. 357 45 26.0	—	—	L 21.7 - - 22.1 21.7 - - - 21.9 - - 22.0 21.6 - - - 22.4 - - - 21.6 - - - 22.2 - - - 21.6 - - -
	α Aquilae	19 28 50.5 30 22.5 31 27.5 32 39.5 33 47.5 35 9.5 36 48.5 37 47.5 40 23.5 41 41.0 42 48.0 43 51.0 45 2.0 46 9.0 47 24.0 48 47.0 49 54.0 51 13.0 52 43.0 54 16.0	135 12 24.0 Init. 197 30 41.0 Fini 20pla Distantia a Vert. 782 18 17.0	—	—	L 21.6 - - 22.3 22.0 - - - 21.5 - - 22.4 22.1 - - - 21.6 - - - 21.6 - - - 22.1 - - - 22.0 - - - 22.1 - - - 21.7 - - - 22.1 - - - 21.8 - - - 22.1 - - - 21.6 - - - 22.3 - - - 22.1 - - - 22.5 - - - 22.4 - - - 22.5 - - - 22.4 - - -
	ϵ Cygni	20 33 20.8 34 55.8 36 32.8 38 58.8 40 37.8 42 26.8 44 16.8 47 2.8	200 0 1.0 Init. 313 46 58.5 Fini 8pla Distantia a Vertice 113 46 57.5	27 9.5	Circ. + 12.8 Bar. + 13.3 Ext. + 10.4	K 22.5 - - 22.5 22.6 - - 22.4 22.4 - - 22.6 22.5 - - 22.5 22.7 - - 22.3 22.5 - - 22.5 22.8 - - 22.3 22.7 - - 22.3
	ζ Cygni	21 0 24.5 1 40.5 3 19.5 4 40.5 6 30.5 8 48.5 10 32.5 12 25.5	313 46 58.5 Init. 97 57 20.0 Fini 8pla Distantia a Vert. 144 10 21.5	—	—	K 22.7 - - 22.5 22.8 - - 22.4 22.7 - - 22.5 22.8 - - 22.4 22.9 - - 22.2 22.6 - - 22.5 22.9 - - 22.2 22.7 - - 22.5

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DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae									
				Barometr.	Thermometr.										
14 ^a Septemb.	ε Pegasi	21 ^h	28' 42".0 30 24.0 32 6.0 33 27.0 35 8.0 36 45.0 38 20.0 39 59.0 41 50.0 43 33.0	97° 57' 20.0 Init. 122 26 20.0 Finis 10pla Distantia a Vertice 384 29 0.0	27 ^p 9 ^l .5	Circ. + 12.8 Bar. + 13.3 Ext. + 10.4	K	22.6 - - 22.6 22.8 - - 22.3 22.8 - - 22.3 22.7 - - 22.4 22.8 - - 22.3 + 0.6 22.6 - - 22.6 22.7 - - 22.4 22.6 - - 22.6 22.9 - - 22.3 22.9 - - 22.3							
		α Ursae minoris ante Sup. Culminat	22	24 1.0 26 36.0 28 15.0 29 47.0 31 10.0 32 33.0 33 1.0 35 31.0 37 6.0 38 35.0	122 26 20.0 Init. 173 58 40.0 Finis 10pla Distantia a Vertice 411 32 20.0	27 9.5	Circ. + 11.2 Bar. + 13.0 Ext. + 9.9	L	23.2 - - 22.8 23.2 - - - 23.1 - - 23.0 23.0 - - - 23.0 - - - 23.4 - - - 23.0 - - - 23.2 - - - 23.1 - - -						
			22	46 55.2 48 34.2 49 57.2 51 25.2 52 49.2 54 15.2 55 30.2 56 38.2 57 57.2 59 20.2	173 58 40.0 Init. 224 38 5.5 Finis 10pla Distantia a Vertice 410 39 25.5	—	—	L	23.5 - - - 23.0 - - - 23.6 - - - 23.4 - - - 23.6 - - - 23.2 - - - 23.7 - - - 23.2 - - - 23.6 - - - 23.5 - - -						
			α Ursae minoris ante Sup. Culmin.	23	55 50.0 57 53.0 59 41.0 1 5.0 2 43.0 4 8.0 5 36.0 7 38.0 9 5.0 10 17.0	355 52 18.0 Init. 44 34 47.0 Finis 10pla Distantia a Vertice 408 42 25.0	27 9.6	Circ. + 10.7 Bar. + 12.7 Ext. + 9.7	K	24.0 - - 23.5 23.8 - - 23.8 23.8 - - 23.8 23.8 - - 23.8 23.8 - - 23.8 24.0 - - 23.4 23.8 - - 23.8 23.8 - - 23.8 23.8 - - 23.8					
				γ Lyrae	18	50 27.2 52 22.2 53 43.3 54 47.3 55 48.3 56 57.4	44 34 47.0 Init. 134 53 52.5 Finis 6pla Distantia a Vertice 90 19 5.5	27 9.8	Circ. + 13.5 Bar. + 14.0 Ext. + 12.8	L	20.8 - - 21.7 21.5 - - - 20.5 - - - 21.3 - - - 20.8 - - - 21.7 - - 20.6				
					δ Aquilae	19	12 7.9 13 36.1 15 10.2 16 15.2 17 53.3 20 1.3 21 26.4 22 35.4	134 53 52.5 Init. 132 40 6.5 Finis 8pla Distantia a Vertice 357 46 14.0	—	—	L	21.3 - - 21.3 21.7 - - - 21.3 - - - 22.0 - - - 21.4 - - - 22.0 - - - 21.6 - - - 21.9 - - -			
						α Aquilae	19	30 45.2 32 20.2 33 57.3 35 3.3 36 17.4 37 29.4 38 43.4 39 50.5 41 17.5 42 22.5 45 1.6 46 7.6 47 21.7 48 38.7 50 34.8 52 1.8	132 40 6.5 Init. 38 20 4.0 Finis 16pla Distantia a Vertice 625 39 57.5	—	—	L	21.7 - - 21.3 22.0 - - - 21.3 - - - 22.0 - - - 21.3 - - - 22.2 - - - 21.6 - - - 21.8 - - - 21.6 - - - 21.9 - - - 21.4 - - - 22.2 - - - 21.7 - - - 21.9 - - - 21.7 - - - 21.6 - - -		
							α Ursae minoris post Super. Culmin.	1	50 41.8 54 33.9 5 16.4 7 30.4 9 12.4 11 6.5 12 32.5 14 24.5 16 16.6 18 44.6 19 19.7 22 7.8	38 20 1.25 Init. 169 22 31.0 Finis 12pla Distantia a Vertice 491 2 29.75	27 9.3	Circ. + 11.0 Bar. + 13.4 Ext. + 8.9	K	22.8 - - 23.3 23.2 - - 22.9 23.2 - - 23.6 23.4 - - 23.4 23.1 - - 23.7 23.4 - - 23.5 23.3 - - 23.6 23.4 - - 23.5 23.0 - - 23.8 23.5 - - 23.5 23.1 - - 23.8 23.5 - - 23.4	
								β Ursae minoris in inferiore Culm.	2	44 10.3 45 48.3 48 38.4 49 59.5 51 42.5 53 15.6 54 40.6 57 27.7 59 2.8 60 50.8	169 22 31.0 Init. 25 7 17.5 Finis 10pla Distantia a Vertice 575 44 46.5	—	—	K	23.5 - - 23.5 23.1 - - 23.9 23.3 - - 23.6 23.0 - - 24.0 23.5 - - 23.5 23.0 - - 24.0 23.1 - - 23.9 23.1 - - 23.9 23.5 - - 23.5 23.1 - - 23.9

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
16 ^a Septembris	γ Lyrae	18 ^h 49' 58.0	125° 7' 17.5 Init.	27 ^p 8.8	Circ. + 14.6 Bar. + 14.6 Ext. + 13.7	L 20.2 - - 21.1 21.4 - - - 20.4 - - 21.1 21.2 - - - 20.2 - - - 21.2 - - -
		51 17.0	115 24 29.0 Finis			
		52 28.0	6pla Distantia a Vertice 90 17 11.5			
		53 51.0				
		55 10.0				
	56 6.0					
	δ Aquilae	19 10 51.6	115 24 29.0 Init. 113 10 48.0 Finis 8pla Distantia a Vertice 357 46 19.0			L 20.7 - - 21.0 21.1 - - - 21.0 - - - 21.1 - - - 20.8 - - - 21.5 - - - 21.0 - - - 21.2 - - -
		13 8.7				
		14 27.7				
		16 1.8				
17 45.8						
α Aquilae	19 19 8.9	113 10 48.0 Init. 97 8 49.0 Finis 18pla Distantia a Vert. 703 58 11.0			L 21.1 - - 20.8 21.4 - - - 20.7 - - - 21.5 - - - 21.0 - - - 21.3 - - - 20.8 - - - 21.2 - - - 21.0 - - - 21.1 - - - 21.0 - - - 21.3 - - - 21.0 - - - 21.3 - - - 21.0 - - - 21.7 - - - 21.0 - - - 21.4 - - -	
	21 16.9					
	22 32.0					
	31 54.4					
	33 32.4					
	34 44.5					
	36 1.5					
	37 24.5					
	38 42.6					
	39 46.6					
	40 59.6					
	42 15.7					
	43 22.7					
	44 43.7					
	46 5.8					
47 36.8						
48 50.8						
50 2.9						
51 17.9						
52 43.0						
54 5.0						
ϵ Cygni	20 35 38.0	97 8 48.5 Init. 182 24 24.5 Finis 6pla Distantia a Vertice 85 15 36.0	27 8.8	Circ. + 14.0 Bar. + 14.4 Ext. + 12.8	K 20.7 - - 21.3 21.0 - - 21.0 21.0 - - 21.0 21.0 - - 21.0 21.2 - - 20.8	
	37 11.0					
	38 30.0					
	39 49.0					
	42 34.0					
44 37.0						
17 ^a —	α Ursae minoris post Sup. Culmin.	2 26 29.3	182 24 24.5 Init. 150 14 48.5 Finis 8pla Distantia a Vert. 327 50 24.0	27 8.5	Circ. + 12.1 Bar. + 13.7 Ext. + 10.2	K 22.8 - - 22.8 23.3 - - 22.2 23.0 - - 22.7 23.3 - - 22.2 22.8 - - 22.8 23.2 - - 22.4 22.8 - - 22.8 22.8 - - 22.8
		28 29.3				
		30 26.4				
		32 3.4				
		33 16.5				
	β Ursae minoris in inferiore Culm.	2 34 39.5	150 14 48.5 Init. 5 58 48.0 Fin. 10pla Distantia a Vert. 575 43 59.5			K 22.8 - - 22.8 23.2 - - 22.4 22.1 - - 23.5 23.2 - - 22.5 22.8 - - 22.8 23.5 - - 22.2 23.0 - - 22.8 23.2 - - 22.5 23.0 - - 22.8 22.8 - - 22.8
		36 6.5				
		37 53.6				
		44 34.7				
		46 7.7				
α Ursae minoris post Super. Culmin.	3 47 38.8	5 58 48.0 Init. 57 23 17.0 Finis 10pla Distantia a Vertice 411 24 29.0			K 22.8 - - 22.8 23.2 - - 22.4 22.1 - - 23.5 23.2 - - 22.5 22.8 - - 22.8 23.5 - - 22.2 23.0 - - 22.8 23.2 - - 22.5 23.0 - - 22.8 22.8 - - 22.8 23.0 - - 22.7	
	51 3.8					
	52 40.8					
	53 58.9					
	55 48.9					
	57 36.0					
	59 24.0					
	62 13.0					
	10 8 48.4					
	10 25.5					
11 59.5						
13 25.6						
14 45.6						
16 41.7						
17 59.7						
19 30.8						
21 12.8						
22 38.9						
Centrum $\odot$	11 30 33.2	57 23 17.0 Init. 149 49 33.0 Finis 10pla Distantia a Vertice 452 26 16.0	27 8.6	Circ. + 17.6 Bar. + 15.0 Ext. + 16.0	K 19.8 - - 19.8 19.6 - - 19.6 19.7 - - 19.5 19.8 - - 19.3 19.6 - - 19.2 19.8 - - 19.0 19.2 - - 19.6 19.8 - - 19.0 19.2 - - 19.2 19.6 - - 18.8	
	31 53.3					
	33 33.3					
	34 38.3					
	36 10.4					
	37 36.4					
	38 59.4					
	40 32.5					
	42 0.5					
	43 57.5					
γ Lyrae	18 49 11.0	149 49 33.0 Init. 246 7 54.0 Finis 6pla Distantia a Vertice 90 18 21.0	27 8.1	Circ. + 14.6 Bar. + 15.2 Ext. + 13.4	L 20.0 - - 20.5 21.2 - - - 20.1 - - - 21.0 - - - 20.0 - - - 20.6 - - 20.0	
	50 12.0					
	52 1.0					
	53 20.0					
	55 39.0					
57 17.0						

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae		
				Barometr.	Thermometr.			
17 th Septemb.	δ Aquilae	19 ^h	12 31.0	240° 7' 54.0 Init 237 52 8.0 Fini 8pla Distantia a Veri	27 p 8.1	Circ. + 14.6 Bar. + 15.2 Ext. + 13.4 L	20.2 - - 20.7	
			13 56.0				21.2 - -	
			14 56.0				20.2 - -	
			16 0.0				21.3 - -	
			16 58.0				20.5 - -	
			18 21.0				21.1 - -	
			19 52.0				20.6 - -	
			20 57.0				357 44 14.0	20.8 - -
	α Aquilae	19	35 2.0	237 52 8.0 Init 268 44 27.25 Fini 10pla Distantia a Veri	—	—	L	20.6 - - 20.6
			35 53.0					21.4 - -
			37 51.0					20.4 - -
			38 57.0					21.0 - -
			40 11.0					20.4 - -
			41 29.0					21.0 - -
			42 49.0					390 52 19.25
44 0.0			20.8 - -					
ϵ Cygni	20	30 50.4	268 44 23.0 Init 50 51 11.25 Fini 10pla Distantia a Veri	27 8.1	Circ. + 14.1 Bar. + 15.0 Ext. + 13.0 K	Libella tempore obser- vationis manit invariata	22.1 - - 22.1	
		32 29.4					22.1 - -	
		34 3.5					22.1 - -	
		35 18.5					22.0 - - 22.2	
		36 32.5					22.1 - - 22.1	
		37 37.6					22.1 - -	
		38 55.6					22.1 - -	
		40 28.6					22.1 - -	
18 th	β Ursae minor. in inferiore Culm.	2	43 25.6	50 51 11.25 Init 21 45 31.25 Fini 12pla Distantia a Veri	27 7.7	Circ. + 12.7 Bar. + 14.3 Ext. + 11.4 K	22.1 - - 22.3	
			45 5.6				22.1 - - 22.4	
			46 29.6				22.1 - - 22.3	
			47 55.7				22.1 - - 22.4	
			49 34.7				22.2 - - 22.2	
			51 21.7				22.2 - - 22.4	
			52 48.8				22.2 - - 22.3	
			54 10.8				22.1 - - 22.4	
			55 26.9				22.2 - - 22.2	
			56 43.9				22.0 - - 22.5	
	α Ursae minor. prope Super. Culmin.	3	9 58.3	21 45 31.25 Init 73 15 40.75 Fini 10pla Distantia a Veri	—	—	K	22.1 - - 22.3
			12 29.3					22.1 - - 22.4
			14 10.4					22.1 - - 22.3
			15 32.4					22.1 - - 22.4
			17 10.5					22.2 - - 22.2
18 23.5			22.2 - - 22.4					
19 49.8			22.1 - - 22.3					
21 39.6			411 30 9.5					22.1 - - 22.4
23 13.6			22.2 - - 22.2					
24 50.7			22.0 - - 22.5					
Centrum $\odot$	11	34 41.7	73 15 40.75 Init 260 51 8.5 Fini 12pla Distantia a Veri	27 7.3	Circ. + 17.0 Bar. + 16.0 Ext. + 17.3 K	19.4 - - 19.4		
		35 56.4				19.4 - - 19.4		
		37 5.7				19.0 - - 19.8		
		38 31.7				19.4 - - 19.4		
		40 13.7				19.1 - - 19.7		
		41 23.7				19.4 - - 19.4		
		42 31.7				547 35 27.75	19.1 - - 19.7	
		43 38.7				19.8 - - 19.0		
		45 1.7				19.0 - - 19.8		
		46 12.7				19.8 - - 19.0		
δ Draconis in Sup. Culmin.	19	9 52.6	260 51 8.5 Init 19 59 23.25 Fini 6pla Distantia a Veri	27 6.2	Circ. + 14.5 Bar. + 15.0 Ext. + 13.0 L	Observatio dubia, filo nimis crasso.	19.4 - - 19.3	
		11 51.6					20.0 - -	
		13 3.6					19.9 - -	
		14 17.6					19.9 - -	
		15 32.6					19.9 - -	
		17 6.6					119 8 14.75	19.9 - -
							20.1 - - 19.4	
γ Camelopardi in infer. Culmin.	19	29 49.6	19 59 23.25 Init 335 13 37.0 Fini 6pla Distantia a Veri	—	—	L	19.9 - -	
		31 55.6					20.0 - -	
		33 22.0					20.0 - -	
		35 7.0					20.0 - -	
		36 39.0					315 14 13.75	20.0 - -
		38 18.0					20.1 - -	
η Cephei in Sup. Culmin.	20	38 8.8	335 13 37.0 Init 57 8 21.0 Fini 6pla Distantia a Veri	—	—	K	20.3 - - 20.3	
		40 10.8					19.9 - - 20.7	
		41 46.8					20.3 - - 20.3	
		43 13.8					19.7 - - 20.9	
		44 59.8					20.3 - - 20.3	
		46 17.8					81 54 44.0	20.3 - - 20.3
							Observatio dubia stella filum tangente.	

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
18 ^a Septemb	α Cephei in Superiore Culm.	21 ^h 7' 2" 27.2 8 50.2 9 14.2 11 32.2 12 46.2 13 56.2 14 4.2 16 22.2 17 23.2 18 39.2 19 56.2	57° 8' 21" 0 Init 229 11 13.0 Fin 12pla Distantia a Vert. 172 2 52.0	27 ^p 6.2	Circ. + 14.5 Bar. + 15.0 Ext. + 13.0	K. Status libellae invariatae
	ν Ursae maior in inferiore Culm.	21 29 50.5 32 13.5 34 47.5 37 3.5 39 17.5 41 0.5 43 19.5 45 1.5	229 11 13.0 Init 89 41 40.25 Fin 8pla Distantia a Vert. 580 30 27.25	—	—	K 20.5 - 20.3 20.3 - 20.5 20.4 - 20.4 20.3 - 20.5 20.7 - 20.1 20.2 - 20.8 20.8 - 20.2 20.3 - 20.7
19 ^a —	Centrum ☉	11 38 13.0 40 31.0 42 25.0 43 22.0 45 22.0 47 17.0 48 39.0 50 9.0	89 41 40.25 Init 97 50 21.0 Fin 8pla Distantia a Vert. 368 8 40.75	27 4.9	Circ. + 18.2 Bar. + 15.3 Ext. + 17.0	K 19.0 - 19.0 19.0 - 19.0 18.6 - 19.0 18.8 - 18.8 18.8 - 18.8 18.8 - 18.6 18.7 - 18.7 18.8 - 18.5 Coelum tenui nube obduci
	δ Ursae minor in Super. Culmin.	18 26 49.0 29 5.0 30 46.0 32 33.0 34 3.5 35 29.5 37 2.5 38 36.5 40 32.5 43 4.5 44 16.5 45 40.5 46 42.0 47 56.0	270 0 0.25 Init 97 10 58.25 Fin 14pla Distantia a Vert. 547 10 58.0	27 4.1	Circ. + 15.4 Bar. + 15.5 Ext. 15.4	L 20.1 - 20.1 20.3 - 20.2 - 20.0 - 20.1 - 20.1 - 20.3 - 20.0 - 20.4 - 20.0 - 20.5 - 20.0 - 20.5 - 20.0 - Reverso filo argenteo sub, stratum est filum Aranei
	δ Draconis in Super. Culmin.	19 4 52.0 6 21.0 7 51.0 9 33.0 10 50.0 12 36.0 13 52.0 15 31.0 16 49.0 18 18.0 19 40.0 21 6.0	97 10 58.25 Init 335 32 48.25 Fin 12pla Distantia a Vert. 238 21 50.0	—	—	L 20.4 - 20.1 20.0 - 20.4 - 19.8 - 20.7 - 20.2 - 20.8 - 20.0 - 20.7 - 20.0 - 20.7 - 20.0 - 20.0 - Hoc et pro eodem off. dubia, filo argem. no. pro lentis forum non occupante.
20 ^a —	δ Ursae minor in Super. Culmin.	18 33 32.3 35 33.4 37 17.4 38 53.4 40 37.4 41 42.4	335 32 45.75 Init 210 2 22.00 Fin 6pla Distantia a Vert. 234 29 36.25	27 5.5	Circ. + 10.4 Bar. + 12.8 Ext. + 10.0	K 23.0 - 23.8 24.0 - 23.0 23.5 - 23.5 24.0 - 23.0 23.6 - 23.5 23.5 - 23.5 24.0 - 23.0
	δ Draconis in Super. Culmin.	19 3 37.7 5 27.7 6 39.7 7 58.7 9 10.7 10 26.7 11 48.7 14 2.7 15 22.7 16 43.7	210 2 22.0 Init 48 37 14.75 Fin 10pla Distantia a Vert. 198 34 52.75	—	—	K 23.7 - 24.0 24.0 - 23.7 23.9 - 23.9 23.9 - 23.9 23.9 - 23.9 24.6 - 23.8 23.6 - 24.2 24.0 - 23.8 24.0 - 24.0 24.3 - 23.7
	γ Camelopardi in infer. Culmin.	19 30 35.0 33 17.0 34 51.0 36 12.0	48 37 14.75 Init 258 46 44.25 Fin 4pla Distantia a Vert. 210 9 29.50	—	—	K 23.8 - 24.2 24.1 - 24.0 24.0 - 24.1 24.3 - 23.8

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status. Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
21 ^o Septemb.	A Ursae minor. in inferiore Culm.	2 ^h 25' 28.0	258° 46' 44.25 Init. 234 36 46.25 Fin. 6pla Distantia a Vertice 335 50 2.0	27 ^p 5.7	Circ. + 9.0 Bar. + 12.7 Ext. + 6.6	K. 23.8 - - 24.3 24.2 - - 24.1 23.8 - - 24.4 24.3 - - 23.8 23.8 - - 24.4 24.2 - - 24.3
		27 17.0				
		29 28.0				
		31 4.0				
		32 42.0				
	B Ursae minoris in inferiore Culm.	34 32.0	234 36 46.25 Init. 90 21 58.50 Fin. 10pla Distantia a Vertice 575 45 12.25			K 24.3 - - 24.3 24.7 - - 24.0 24.2 - - 24.6 24.7 - - 24.1 24.2 - - 24.6 24.8 - - 24.0 24.0 - - 24.8 24.9 - - 24.0 24.2 - - 24.8 24.8 - - 24.2
		2 43 51.0				
		45 49.0				
		47 37.0				
		49 10.0				
		50 46.0				
		52 27.0				
		54 8.0				
		55 27.0				
		57 4.0				
		58 48.0				
23 ^o —	D Ursae minoris in Super. Culmin.	18 30 7.0	245 0 0.75 Init. 353 59 30.00 Fin. 12pla Distantia a Vert. 468 59 29.25	27 5.4	Circ. + 12.5 Bar. + 13.3 Ext. + 12.0	L 21.7 - - 21.8 21.8 - - 21.7 - - 22.0 - - 21.5 - - 22.2 - - 21.8 - - 22.0 - - 21.5 - - 22.5 - - 21.7 - - 22.1 - - 21.8
		31 31.0				
		32 59.0				
		34 1.0				
		35 40.0				
		37 9.0				
		38 16.0				
		39 24.0				
		41 9.0				
		42 15.0				
		43 36.0				
		44 56.0				
	E Draconis in Super. Culmin.	19 6 49.0	353 59 30.0 Init. 152 50 3.25 Fin. 8pla Distantia a Vert. 158 50 33.25			L 22.0 - - 21.9 21.8 - - 22.0 - - 22.1 - - 22.3 - - 22.0 - - 22.0 21.8 - - 22.1 - -
		8 37.0				
		9 48.0				
		11 26.0				
		12 40.0				
		13 58.0				
		15 27.0				
	F Camelopardi in infer. Culmin.	19 28 8.0	152 50 3.25 Init. 108 4 3.5 Fin. 6pla Distantia a Vert. 315 14 0.25			L 22.2 - - 22.1 22.2 - - 22.3 - - 22.4 - - 22.6 - - 22.3 - -
		30 1.0				
		32 22.0				
		33 48.0				
		36 0.0				
		37 19.0				
24 ^o —	A Ursae minor. in Super. Culminat	0 44 22.0	108 4 3.5 Init. 319 40 39.5 Fin. 14pla Distantia a Vert. 571 36 36.0	27 6.0	Circ. + 10.4 Bar. + 13.0 Ext. + 8.5	L 23.0 - - 23.8 24.1 - - 23.3 - - 24.3 - - 22.9 23.5 - - 23.7 24.0 - - 22.9 - - 24.5 23.7 - - 23.0 - - 24.4 23.5 - - 23.2 - - 23.7 - - 23.3 - - 24.2 23.5 - -
		46 57.0				
		48 31.0				
		50 1.0				
		51 40.0				
		53 32.0				
		56 29.0				
		58 3.0				
		59 37.0				
		1 2 17.0				
		3 42.0				
		6 6.0				
		7 51.0				
		9 36.0				
		1 29 1.0				
		30 43.0				
		32 21.0				
		33 48.0				
		35 2.0				
		36 57.0				
	A Ursae minor. post super. Culm.	1 43 6.0	204 49 6.75 Init. 90 0 56.0 Fin. 6pla Distantia a Vertice 245 13 49.25			L 24.0 - - 23.6 23.6 - - 23.8 - - 23.5 - - 23.7 - - 23.7 - -
		44 48.0				
		46 11.0				
		47 38.0				
		48 58.0				
		50 36.0				
		2 21 31.0				
		23 28.0				
		24 55.0				
		26 17.0				
	B Ursae minor. in inferiore Culm.	27 41.0	335 46 28.25 Init. 206 4 50.60 Fin. 4pla Distantia a Vertice 230 18 25.25	27 6.0	Circ. + 9.8 Bar. + 12.7 Ext. + 7.6	K. 23.9 - - 24.5 24.3 - - 24.3 24.0 - - 24.6 24.2 - - 24.5
		29 6.0				
		44 12.0				
		46 30.0				
		48 8.0				

DISTANTIARUM ZENITHALIU
ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae	
				Barometr.	Thermometr.		
27 ^a Septemb ^r	Centrum ☉	12 ^h 12' 21".0 14 2.0	25° 37' 16".0 Ort. 123 52 51.75 Occ. Dupla Distantia a Vertice 98 15 35.75	27 ^p 5.5	Circ. + 10.4 Bar. + 10.2 Ext. + 7.2	K	
28 ^a Septemb ^r	Centrum ☉	12 11 37.0 13 2.0 14 24.0 15 30.0 16 50.0 18 0.0 19 15.0 20 54.0	123 52 51.75 Init. 160 4 48.75 Finis Dupla Distantia a Vertice 396 11 57.0	27 6.0	Circ. + 11.8 Bar. + 10.0 Ext. + 8.8	K	24.1 - - 23.5 23.6 - - 24.0 23.8 - - 23.8 23.8 - - 23.8 23.8 - - 23.8 23.8 - - 23.8 24.0 - - 23.6 Limbus ☉ crispus, et subulatus
3 ^a Octobris	Centrum ☉	12 34 51.0 37 37.0	114 4 23.5 Ort. 217 0 23.25 Occ. Dupla Distantia a Vert. 102 55 59.75	27 2.3	Circ. + 14.6 Bar. + 11.8	K	21.7 - - 21.7 21.5 - - 21.7 Trans nubes,
4 ^a —	α Ursae minor. ante Super. Culm.	0 32 18.0 33 59.0 35 37.0 37 9.0 38 42.0 40 26.0	217 0 23.25 Init. 102 1 2.5 Finis Dupla Distantia a Vertice 245 0 39.25	27 4.5	Circ. + 8.0 Bar. + 10.7 Ext. + 7.0	K	24.8 - - 25.3 25.0 - - 25.0 24.9 - - 25.3 25.1 - - 25.1 24.6 - - 25.8 25.2 - - 25.2
	α Ursae minor. in Super. Culmen.	0 49 10.0 51 26.0 52 58.0 54 15.0 55 37.0 57 6.0 58 28.0 60 7.0	102 1 2.5 Init. 68 38 52.0 Finis Dupla Distantia a Vert. 326 37 49.5	—	—	K	25.0 - - 25.3 25.3 - - 25.3 25.0 - - 25.6 25.3 - - 25.3 25.0 - - 25.6 25.3 - - 25.3 25.0 - - 25.6 25.0 - - 25.0
	α Ursae minor. post Super. Culm.	1 8 12.0 9 39.0 11 17.0 13 0.0 14 23.0 16 28.0	68 38 52.0 Init. 313 39 2.0 Finis Dupla Distant. a Vertice 245 0 10.0	—	—	K	25.0 - - 25.8 25.2 - - 25.1 24.8 - - 26.0 26.0 - - 24.8 24.9 - - 26.0 25.8 - - 25.2
	γ Ursae maior. in inferiore Culm.	1 32 58.0 36 9.0 38 22.0 40 9.0 41 56.0 43 18.0 46 2.0 47 53.0	313 39 2.0 Init. 250 56 55.5 Finis Dupla Distantia a Vert. 657 17 53.5	—	—	K	25.3 - - 25.5 25.3 - - 25.5 25.4 - - 25.4 25.5 - - 25.3 25.4 - - 25.4 25.5 - - 25.3 25.4 - - 25.4 25.9 - - 24.9
	β Ursae minor. in inferiore Culmin.	2 41 18.8 43 14.8 44 40.8 46 5.8 47 22.8 48 35.8 50 7.8 52 42.8 54 6.8 55 28.8 56 51.8 58 33.8	250 56 55.5 Init. 221 51 58.75 Finis Dupla Distantia a Vert. 690 55 3.25	27 4.8	Circ. + 7.9 Bar. + 10.7 Ext. + 6.4	K	25.3 - - 26.6 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0 26.0 - - 26.0
5 ^a —	Centrum ☉	12 37 52.0 39 37.0 41 24.0 42 47.0 44 24.0 45 40.0 47 10.0 48 51.0	222 59 59.25 Init. 280 56 22.5 Finis Dupla Distantia a Vert. 417 56 23.25	27 7.4	Circ. + 13.8 Bar. + 11.0 Ext. + 10.0	K	22.0 - - 22.3 24.0 - - 20.6 20.8 - - 23.8 23.8 - - 20.7 20.9 - - 23.6 23.6 - - 20.6 20.5 - - 23.6 23.3 - - 20.6 Observando dubium de limbum nemini crispum, et undulantem.
8 ^a —	δ Ursae minor. in super. Culmin.	18 30 11.0 32 13.0 34 2.0 35 20.0 36 39.0 38 11.0 39 32.0 40 39.0 41 50.0 43 2.0 44 3.0 44 59.0	210 0 0 Init. 319 0 20.75 Finis Dupla Distantia a Vert. 469 0 20.75	27 5.7	Circ. + 10.0 Bar. + 10.7 Ext. + 9.6	L	23.2 - - 25.0 24.7 - - 23.7 23.8 - - 24.6 24.8 - - - 24.0 - - - 24.8 - - - 23.9 - - - 24.8 - - - 25.9 - - - 24.8 - - 23.5
	δ Draconis in super. Culmin.	19 6 34.0 8 24.0 9 42.0 11 1.0 12 17.0 13 37.0 15 24.0 16 32.0 18 5.0 19 23.0	319 0 20.75 Init. 157 36 23.00 Finis Dupla Distant. a Vertice 198 36 2.25	—	—	L	24.1 - - 24.7 23.8 - - 24.5 25.9 - - - 24.2 - - - 23.9 - - - 24.0 - - - 26.0 - - - 24.0 - - - 25.8 - - -

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
8 ^o Octobr.	γ Camelopardi in inferiore Culm.	19 ^h 31' 39.0 33 19.0 34 45.0 36 19.0	157° 36' 23.0 Init. 7 45 53.5 Finis 4pla Distantia a Vertice 210 9 30.5	27 ^p 5.4	Arc. + 10.0 Bar. + 10.7 Ext. + 9.6	Hoc est duo procedunt obf. notiones dubia ob ventum veli. 24.2 - - - 24.4 25.7 - - - 24.2 - - - 25.5 - - -
	α Ursae minoris ante Super. Culm.	0 24 58.0 26 29.0 28 19.0 29 42.0 31 19.0 32 49.0	7 45 53.5 Init. 252 48 33.5 Finis 6pla Distantia a Vertice 245 2 40.0	27 6.5	Arc. + 6.9 Bar. + 10.0 Ext. + 4.9	25.5 - - - 26.0 26.5 - - - 26.0 25.5 - - - 26.0 26.8 - - - 25.6 - - - 26.4 - - -
	α Ursae minoris ante Super. Culm.	0 40 10.0 41 44.0 43 19.0 44 47.0	252 48 33.5 Init. 56 7 52.5 Finis 4pla Distantia a Vertice 163 19 19.0			25.8 - - - 25.9 27.0 - - - 25.2 - - - 26.1 27.0 - - -
	α Ursae minoris in Super. Culm.	0 53 2.0 54 29.0 56 21.0 57 41.0 59 0.0 60 20.0	56 7 52.5 Init. 301 5 56.75 Finis 6pla Distantia a Vertice 244 58 4.25			25.8 - - - 26.0 27.0 - - - 25.8 - - - 27.1 - - - 25.8 - - - 27.0 - - -
9 ^o —	α Ursae minoris post Super. Culm.	1 6 11.0 8 18.0 9 44.0 10 56.0 12 8.0 13 30.0	301 5 56.75 Init. 186 5 39.00 Finis 6pla Distantia a Vertice 244 59 42.25			25.8 - - - 26.2 27.2 - - - 26.0 - - - 27.2 - - - 25.5 - - - 27.2 - - -
	η Ursae maioris in inferiore Culm.	1 31 41.0 33 43.0 36 0.0 37 28.0 39 21.0 41 5.0 42 51.0 44 49.0 46 44.0 48 18.0	186 5 39.0 Init. 287 41 51.5 Finis 10pla Distantia a Vertice 821 36 12.5	27 6.5	Arc. + 6.6 Bar. + 10.0 Ext. + 5.4	25.9 - - - 25.9 26.3 - - - 25.7 26.0 - - - 26.0 26.4 - - - 25.7 26.1 - - - 26.1 26.4 - - - 25.8 26.1 - - - 26.1 26.6 - - - 25.8 25.9 - - - 26.7 26.9 - - - 25.9
	α Ursae minoris post Super. Culm.	2 6 19.0 8 50.0 10 37.0 12 39.0 14 29.0 16 6.0 17 41.0 19 38.0	287 41 51.5 Init. 255 8 7.5 Finis 8pla Distantia a Vertice 327 26 16.0			26.3 - - - 27.2 26.9 - - - 26.8 26.0 - - - 27.7 26.8 - - - 26.8 26.1 - - - 27.6 26.9 - - - 26.9 26.1 - - - 27.7 26.8 - - - 27.0
	β Ursae minoris in infer. Culm.	2 41 46.0 43 27.0 45 3.0 46 35.0 48 8.0 49 33.0 51 9.0 52 32.0 55 6.0 56 34.0	255 8 7.5 Init. 110 54 45.75 Finis 10pla Distantia a Vertice 575 46 38.25			26.6 - - - 27.5 27.0 - - - 27.0 26.7 - - - 27.5 26.9 - - - 27.3 26.7 - - - 27.5 26.9 - - - 27.3 27.6 - - - 27.2 26.9 - - - 27.3 26.7 - - - 27.4 26.8 - - - 27.5
	δ Ursae minoris in infer. Culm.	6 28 21.0 30 12.0 32 6.0 33 38.0 35 24.0 37 9.0 38 49.0 40 23.0 41 58.0 43 16.0 44 59.0 46 17.0	110 54 45.75 Init. 301 53 13.0 Finis 12pla Distantia a Vertice 550 58 27.25	27 6.5	Arc. + 6.5 Bar. + 9.5 Ext. + 5.0	27.3 - - - 27.7 26.9 - - - 28.2 27.0 - - - 28.0 26.9 - - - 28.1 27.5 - - - 27.5 26.8 - - - 28.2 26.9 - - - 28.1 26.9 - - - 28.0 26.9 - - - 28.0 26.8 - - - 28.1 26.8 - - - 28.1 26.8 - - - 28.1
	δ Ursae minoris in Superiore Culm.	18 32 33.5 34 55.5 36 48.5 38 17.5 39 40.5 40 58.5 42 22.5 43 35.5	339 59 59.0 Init. 292 39 53.0 Finis 8pla Distantia a Vertice 312 39 54.0	27 5.6	Arc. + 9.6 Bar. + 10.6 Ext. + 9.0	24.5 - - - 24.2 24.3 - - - 25.1 - - - 24.3 - - - 24.8 - - - 24.2 - - - 24.5 - - - 24.3 - - - 24.4 Observatio dubia ob diem, et ventum
	δ Draconis in Sup. Culminatione.	19 7 37.5 9 20.5 10 52.5 12 15.5 13 33.5 15 5.5 16 25.5 17 41.5	292 39 53.0 Init. 91 31 42.0 Finis 8pla Distantia a Vertice 158 51 49.0			25.1 - - - 24.0 24.8 - - - 24.5 24.9 - - - 24.6 - - - 25.0 - - - 24.4 - - - 25.0 - - - 24.7 - - - 24.6 Observ. dubia ob eandem causam
	α Ursae minoris ante Super. Culm.	0 32 23.0 33 47.0 35 28.0 37 21.0 39 26.0 40 48.0 42 36.0 44 33.0	91 31 42.0 Init. 58 12 3.0 Finis 8pla Distantia a Vertice 326 40 21.0	27 7.1	Arc. + 7.4 Bar. + 9.7 Ext. + 5.6	25.5 - - - 25.7 25.5 - - - 25.9 25.5 - - - 25.8 - - - 25.8 - - - 25.5 - - - 26.2 25.7 - - - 25.9

2.05

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OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
9 ^o Octobris	α Ursae minor. in Super. Culmin.	0 ^h 50' 37.0 52 40.0 54 11.0 55 47.0 57 26.0 58 48.0 60 25.0 61 38.0	58° 12' 2.0 Init. 24 49 59.0 Finis 8pla Distantia a Vert. 326 37 56.0	27 ^p 7.1	Circ. + 7.4 Bar. + 9.7 Ext. + 5.6	L 26.0 - 26.0 26.1 - - 26.3 - 25.8 26.1 - - 26.2 - - 26.1 - - 26.0 - - 26.1 - -
10						26.1 - 26.3 26.1 - - 26.1 - - 26.5 - - 26.2 - - 26.3 - -
10 ^o	α Ursae minor. post Super. Culm.	1 8 27.0 10 2.0 11 27.0 12 45.0 14 39.0 16 13.0	24 49 59.0 Init. 269 50 9.5 Finis 6pla Distantia a Vertice 245 0 10.5			L 26.1 - 26.6 26.3 - - 26.1 - - 26.4 - 26.2
	α Ursae minor. post Super. Culm.	1 20 5.0 22 18.0 23 57.0 25 43.0	269 50 9.5 Init. 73 12 26.25 Finis 4pla Distantia a Vertice 163 22 16.75			L 26.1 - 26.6 26.3 - - 26.1 - - 26.4 - 26.2
	η Ursae maioris in inferiore Culm.	1 32 24.0 34 7.0 35 39.0 37 18.0 39 19.0 41 16.0 43 14.0 44 41.0	73 12 26.25 Init. 10 31 15.5 Finis 8pla Distantia a Vertice 657 18 49.25	27 7.3	Circ. + 6.9 Bar. + 9.7 Ext. + 5.2	K 26.7 - 26.7 26.7 - 26.7 26.6 - 26.8 26.8 - 26.6 26.7 - 26.7 26.7 - - 26.7 - -
	α Ursae minoris post Super. Culm.	1 54 37.0 56 15.0 57 47.0 59 29.0 2 1 9.0 2 24.0 5 9.0 7 5.0	10 31 15.5 Init. 337 43 11.0 Finis 8pla Distantia a Vert. 327 11 55.5			K 26.7 - 26.8 26.8 - 26.6 26.8 - 26.8 26.8 - 26.7 26.8 - 26.8 26.7 - 26.8 26.7 - 26.8 26.8 - 26.6
	α Ursae minoris post Super. Culmin.	2 16 5.0 17 54.0 19 26.0 21 14.0 22 52.0 24 28.0	337 43 11.0 Init. 223 24 23.5 Finis 6pla Distantia a Vert. 245 41 12.5			K 26.6 - 26.8 26.7 - 26.7 26.4 - 27.0 26.8 - 26.6 26.5 - 26.9 26.7 - 26.7
	β Ursae minoris in inferiore Culm.	2 41 15.0 42 47.0 44 44.0 45 59.0 47 22.0 48 39.0 50 4.0 51 16.0 52 35.0 54 8.0 55 52.0 57 22.0 *	223 24 23.5 Init. 194 20 10.25 Finis 12pla Distantia a Vert. 690 55 46.75			K 26.8 - 27.0 27.0 - 27.0 27.0 - - 27.0 - - 26.7 - 27.3 27.1 - 26.9 26.7 - 27.3 26.9 - 27.1 26.5 - 27.5 26.8 - 27.2 26.6 - 27.4 27.0 - 27.0
	δ Ursae minoris in inferiore Culm.	6 27 26.0 29 1.0 31 0.0 32 24.0 36 33.0 38 4.0 40 37.0 42 0.0 43 26.0 44 31.0	194 20 10.25 Init. 293 28 23.50 Finis 10pla Distantia a Vert. 459 8 13.25	27 7.7	Circ. + 6.0 Bar. + 9.4 Ext. + 4.5	K 27.0 - 28.1 28.1 - 27.0 27.7 - 27.4 28.0 - 27.1 27.6 - 27.5 28.0 - 27.2 27.5 - 28.0 28.0 - 27.5 27.5 - 28.0 28.1 - 27.3
	δ Ursae minoris in Super. Culminat.	18 32 32.6 34 0.6 36 12.6 37 44.6 39 55.6 41 1.6	295 0 0.0 Init. 169 29 36.25 Finis 6pla Distantia a Vertice 234 29 36.25	27 7.6	Circ. + 9.4 Bar. + 9.8 Ext. + 7.3	L 24.3 - 24.5 24.6 - - 24.6 - - 24.8 - - 24.4 - - 25.0 - 24.2
	δ Draconis in Superiore Culmin.	19 7 20.6 7 56.6 9 7.6 10 31.6 11 47.6 13 19.6 14 43.6 15 54.6	169 29 36.25 Init. 328 20 7.00 Finis 8pla Distantia a Vertice 158 50 30.75			L 25.0 - 24.8 25.1 - - 25.1 - 25.0 25.0 - - 25.1 - - 25.1 - - 25.1 - 24.8 25.2 - -
	γ Camelopardi in infer. Culmin.	19 29 37.6 33 24.6 35 5.6 36 41.6	328 20 7.00 Init. 178 29 39.00 Finis 4pla Distantia a Vertice 210 9 32.0			L 25.3 - 24.8 25.2 - - 25.1 - - 25.2 - -

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
14 ^o Octobris	α Ursae maioris in inferiore Culmin.	20 ^h 5 ^m 14.0 6 47.0 8 45.0 10 13.0 11 40.0 13 3.0 14 33.0 16 4.0 17 34.0 18 44.0	90° 0' 0.75 Init. 81 27 29.0 Finis 10pla Distantia a Vertice 711 27 28.25	27 ^p 7.9	Arc. + 8.9 Bar. + 9.3 Ext. + 6.9	24.8 - - 25.9 25.3 - - 25.2 25.0 - - 25.6 25.3 - - 25.3 24.9 - - 25.7 25.3 - - 25.3 25.0 - - 25.6 25.3 - - 25.3 25.0 - - 25.6 25.3 - - 25.3
	η Cephei in Super. Culmin.	20 36 35.0 38 39.0 39 45.0 41 9.0	81 27 29.0 Init. 136 2 13.5 Finis 4pla Distantia a Vert. 54 34 44.5	—	—	25.0 - - 26.0 25.2 - - - 25.0 - - - 25.1 - - -
	γ Cephei in Super. Culmin.	20 47 48.0 49 25.0 50 48.0 52 12.0 53 55.0 55 42.0	136 2 13.5 Init. 342 8 7.5 Finis 6pla Distantia a Vertice 206 5 54.0	—	—	25.0 - - 25.9 25.3 - - - 25.1 - - - 25.1 - - - 25.5 - - - 25.2 - - -
	α Cephei in Super. Culmin.	21 10 0.0 12 14.0 13 18.0 14 26.0 15 36.0 16 59.0	342 8 7.5 Init. 68 6 45.0 Finis 6pla Distantia a Vertice 85 58 37.5	—	—	25.2 - - 25.7 25.3 - - - 25.0 - - - 25.1 - - - 25.1 - - 26.0 25.4 - - -
	β Cephei in Super. Culmin.	21 22 39.0 24 2.0 25 4.0 26 9.0 27 31.0 28 2.0	68 6 45.0 Init. 201 43 58.0 Finis 6pla Distantia a Vertice 133 37 13.0	—	—	25.4 - - 25.7 25.4 - - - 25.7 - - - 25.2 - - - 25.3 - - - 25.3 - - -
	α Ursae minoris ante Super. Culmin.	0 20 38.0 22 26.0 23 35.0 24 51.0 26 10.0 27 30.0	201 43 58.0 Init. 86 48 12.5 Finis 6pla Distantia a Vertice 245 4 14.5	27 7.7	Arc. + 7.0 Bar. + 8.8 Ext. + 4.6	27.0 - - 26.2 26.2 - - - 26.8 - - - 26.3 - - 26.6 26.7 - - -
	α Ursae minoris in Super. Culmin.	0 50 15.0 52 9.0 53 26.0 54 28.0 55 51.0 57 22.0	86 48 12.5 Init. 331 47 1.0 Finis 6pla Distantia a Vertice 244 58 48.5	—	—	26.6 - - 26.5 26.2 - - - 26.7 - - - 26.3 - - - 27.0 - - 26.3 26.3 - - -
	α Ursae minoris post Super. Culmin.	1 2 2.0 3 25.0 4 38.0 6 1.0	331 47 1.0 Init. 135 6 19.5 Finis 4pla Distantia a Vert. 163 19 18.5	—	—	26.8 - - 26.3 26.3 - - - 26.7 - - - 26.5 - - -
	α Ursae minoris post Super. Culmin.	1 8 38.0 10 15.0 11 45.0 12 48.0	135 6 19.5 Init. 298 26 20.0 Finis 4pla Distantia a Vert. 163 20 0.5	—	—	26.5 - - 26.6 27.0 - - - 26.5 - - - 27.0 - - -
	η Ursae maioris in inferiore Culmin.	1 37 54.0 39 36.0 42 11.0 44 41.0	298 26 20.0 Init. 267 5 41.25 Fin. 4pla Distantia a Vertice 328 39 21.25	27 7.7	Arc. + 7.0 Bar. + 8.8 Ext. + 3.8	25.8 - - 27.2 26.2 - - 27.0 26.2 - - 27.0 26.1 - - 27.0 Observatio trans nebulam facta
	α Ursae minoris post Super. Culmin.	1 58 3.0 59 52.0 2 1 42.0 3 5.0 4 45.0 6 42.0	267 5 41.25 Init. 152 31 5.25 Fin. 6pla Distantia a Vertice 245 25 24.0	—	—	26.7 - - 26.7 26.5 - - 26.9 26.8 - - 26.8 26.6 - - 27.0 26.8 - - 26.8 26.7 - - 26.9
	β Ursae minoris in inferiore Culm.	2 42 3.0 43 29.0 45 7.0 46 30.0 47 51.0 49 0.0 50 21.0 51 40.0 53 3.0 54 24.0	152 31 5.25 Init. 8 18 8.25 Finis 10pla Distantia a Vertice 575 47 3.0	—	—	27.2 - - 27.0 27.0 - - 27.2 27.2 - - 27.0 27.0 - - 27.2 27.3 - - 27.0 27.0 - - 27.3 27.1 - - 27.0 27.3 - - 26.9 26.9 - - 27.0
16 ^o	α Ursae maioris in inferiore Culm.	20 7 20.0 9 13.0 10 30.0 11 51.0 12 58.0 14 55.0 17 29.0 18 41.0	10 0 8.0 Init. 219 10 15.0 Finis 8pla Distantia a Vert. 369 10 14.0	27 9.4	Arc. + 7.4 Bar. + 8.4 Ext. + 6.0	26.0 - - 26.0 26.0 - - 26.0 25.7 - - 26.3 26.1 - - 25.9 26.0 - - 26.6 26.0 - - 26.6 26.0 - - 26.0

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
16 ^a Octobris	γ Cephei in Super. Culmin.	20 ^h 22' 47.0 24 12.0 25 38.0 27 12.0 28 55.0 32 26.0	219° 10' 14.25 Init. 308 35 50.0 Finis 6pla Distantia a Vertice 89 25 35.75	27 ^p 9.4	Arc. + 7.4 Bar. + 8.4 Ext. + 6.0	K 25.6 - - 26.8 25.7 - - 26.7 25.8 - - 26.6 25.9 - - 26.4 25.9 - - 26.4 25.8 - - 26.5
	η Cephei in Super. Culmin.	20 39 24.0 40 54.0 42 2.0 44 13.0	308 35 50.0 Init. 3 11 31.25 Finis 4pla Distantia a Vertice 54 35 41.25	—	—	L 25.7 - - 26.3 25.3 - - 26.0 - - 25.8 - - -1.17
	ν Cephei in Superiore Culm.	20 50 18.0 51 42.0 53 44.0 55 28.0	3 11 31.25 Init. 140 35 23.5 Finis 4pla Distantia a Vertice 137 23 52.25	—	—	L 25.9 - - 26.3 25.3 - - 26.1 - - 25.8 - - -1.02
	α Cephei in Super. Culmin.	21 8 33.0 10 10.0 11 36.0 13 10.0 14 22.0 15 30.0	140 35 23.5 Init. 226 33 35.0 Finis 6pla Distantia a Vert. 85 58 11.5	—	—	L 26.0 - - 26.3 25.8 - - 26.2 - - 26.0 - - -0.58 26.0 - - 26.0 - -
	β Cephei in Super. Culmin.	21 21 35.0 22 50.0 24 16.0 25 25.0	226 33 35.0 Init. 315 38 4.0 Finis 4pla Distantia a Vert. 89 4 29.0	—	—	L 26.1 - - 26.4 26.0 - - 25.9 - - -0.25 25.9 - - -0.73
	ν Ursae maioris in inferiore Culm.	21 30 37.0 32 20.0 33 52.0 35 19.0 37 7.0 38 35.0	315 38 4.0 Init. 31 2 33.0 Finis 6pla Distantia a Vertice 435 24 29.0	—	—	L 26.2 - - 26.5 26.1 - - 26.1 - - 26.0 - - 26.4 - - 26.1 - -
	α Ursae minoris post Super. Culmin.	2 24 52.0 26 25.0 28 12.0 29 46.0 32 3.0 33 39.0	31 2 28.25 Init. 276 53 24.50 Finis 6pla Distantia a Vertice 245 50 56.25	27 9.4	Arc. + 6.0 Bar. + 7.8 Ext. + 4.0	K 27.0 - - 27.6 27.6 - - 27.0 27.0 - - 27.6 27.5 - - 27.2 27.4 - - 27.3 27.3 - - 27.4
	β Ursae minoris in inferiore Culm.	2 41 34.0 43 3.0 44 27.0 46 1.0 47 34.0 49 47.0 51 25.0 53 8.0 54 56.0 56 44.0	276 53 24.5 Init. 132 39 59.5 Finis 10pla Distantia a Vert. 575 46 35.0	—	—	K 27.5 - - 27.5 27.6 - - 27.4 27.0 - - 28.0 27.7 - - 27.3 27.2 - - 27.8 27.4 - - 27.6 27.0 - - 28.0 27.6 - - 27.6 27.0 - - 28.0 27.8 - - 27.2
	ν Camelopardi in inferiore Culm.	19 31 34.0 33 1.0 34 39.0 36 15.0 37 47.0 39 11.0	132 39 59.5 Init. 87 54 12.25 Finis 6pla Distantia a Vert. 315 14 12.75	27 6.8	Arc. + 6.4 Bar. + 7.6 Ext. + 4.6	K 26.0 - - 27.0 27.2 - - 26.1 26.0 - - 27.2 27.2 - - 26.1 26.1 - - 27.2 27.2 - - 26.1
	ϵ Draconis in Super. Culmin.	19 55 35.0 57 14.0 58 34.0 59 53.0 20 1 15.0 2 47.0 3 55.0 5 4.0	87 54 12.25 Init. 246 50 28.75 Finis 8pla Distantia a Vert. 158 56 13.50	—	—	K 26.0 - - 27.7 27.3 - - 26.6 26.7 - - 27.3 27.7 - - 26.2 26.1 - - 27.7 27.2 - - 26.6 26.5 - - 27.3 27.7 - - 26.1
	σ Ursae maioris in inferiore Culm.	20 9 30.0 10 45.0 12 16.0 13 35.0 14 57.0 16 11.0 17 32.0 19 1.0 +	246 50 25.75 Init. 96 0 48.75 Finis 8pla Distantia a Vert. 569 10 23.0	—	—	K 26.6 - - 27.3 27.6 - - 26.3 26.5 - - 27.4 27.3 - - 26.5 26.5 - - 27.4 27.5 - - 26.4 26.5 - - 27.4 27.4 - - 26.5
	γ Cephei in Super. Culmin.	20 24 13.0 25 18.0 26 25.0 27 36.0	96 0 48.75 Init. 155 35 34.0 Finis 4pla Distantia a Vert. 59 34 41.25	—	—	L 26.7 - - 27.1 27.1 - - 27.0 - - 27.0 27.0 - -
	η Cephei in Super. Culmin.	20 35 34.0 37 21.0 38 46.0 40 8.0 41 34.0 42 56.0	155 35 34.0 Init. 237 28 40.5 Finis 6pla Distantia a Vertice 81 52 6.5	—	—	L 26.4 - - 27.2 27.0 - - 26.8 - - 27.2 - - 27.1 - - 27.1 - -

ANNI 1816

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Atmosphaerae		Notae
				Barometr.	Thermometr.	
19 ^o Octobris	α Cephei in Super. Culmin.	21 ^h 9 ^m 13 ^s .0 11 5.0 12 23.0 14 44.0 15 58.0 17 21.0	325° 31' 24".5 Init. 51 30 32.0 Finis 6pla Distantia a Vertice 85 59 7.5	27 ^p 5.3	Arc. + 7.4 Bar. + 7.7 Ext. + 5.5	K 26.6 - - 27.0 26.9 - - 26.7 26.0 - - 27.0 26.9 - - 26.7 26.8 - - 26.8 26.7 - - 26.9
	β Cephei in Super. Culmin.	21 21 38.0 23 19.0 24 41.0 26 13.0 27 31.0 28 24.0	51 30 32.0 Init. 185 7 53.75 Finis 6pla Distantia a Vertice 133 37 21.75	—	—	K 26.1 - - 27.5 26.5 - - 27.1 26.9 - - 26.7 26.4 - - 27.2 26.8 - - 26.8 26.3 - - 27.3
	γ Ursae maior. in inferiore Culmin.	21 33 55.0 35 28.0 36 45.0 37 55.0 39 24.0 40 28.0	185 7 53.75 Init. 260 32 35.25 Finis 6pla Distantia a Vertice 435 24 41.50	—	—	K 26.8 - - 26.8 26.6 - - 27.0 26.7 - - 26.9 26.7 - - 26.9 26.8 - - 26.8 26.5 - - 27.2
	α Ursae minoris ante Super. Culmin.	0 18 51.0 20 21.0 21 48.0 22 55.0	260 32 35.25 Init. 63 56 26.5 Finis 4pla Distantia a Vertice 163 23 51.25	27 7.4	Arc. + 6.0 Bar. + 7.4 Ext. + 4.8	L 27.5 - - 27.6 26.9 - - - 27.5 - - - 26.9 - - -
	α Ursae minoris ante Super. Culmin.	0 30 6.0 31 50.0 33 6.0 34 13.0	63 56 26.5 Init. 227 17 46.5 Finis 4pla Distantia a Vertice 163 21 20.0	—	—	L 26.8 - - 28.1 27.9 - - - 26.8 - - 28.1 28.0 - - 26.9
	α Ursae minoris in Super. Culmin.	0 51 20.0 52 35.0 53 51.0 55 2.0 56 31.0 57 51.0	227 17 46.5 Init. 112 16 38.0 Finis 6pla Distantia a Vertice 244 58 51.5	—	—	K 27.2 - - 27.2 27.3 - - 27.3 27.8 - - 27.1 27.3 - - 27.3 27.3 - - 27.3 27.3 - - 27.3
	α Ursae minoris post Super. Culmin.	1 2 21.0 3 42.0 5 1.0 6 10.0 7 32.0 8 45.0	112 16 38.0 Init. 357 16 10.0 Finis 6pla Distantia a Vertice 244 59 32.0	—	—	L 27.5 - - 27.3 27.1 - - - 27.6 - - - 26.9 - - - 27.8 - - 27.3 27.0 - - -
	α Ursae minoris post Super. Culmin.	1 11 35.0 12 51.0 14 20.0 15 42.0	357 16 10.0 Init. 160 36 49.5 Finis 4pla Distantia a Vertice 163 20 39.5	—	—	L 27.9 - - 27.0 27.0 - - - 27.8 - - 27.2 26.8 - - -
	β Ursae minoris in inferiore Culm.	2 42 39.5 44 24.5 46 47.5 49 2.5 51 2.5 54 32.5	160 36 46.75 Init. 146 5 21.0 Finis 6pla Distantia a Vertice 345 28 34.25	27 5.2	Arc. + 6.2 Bar. + 7.4 Ext. + 4.0	K 27.7 - - 27.7 27.9 - - 27.5 27.4 - - 27.7 27.9 - - 27.5 27.4 - - 27.7 27.9 - - 27.5 Observatio trans nubem facta
	γ Cephei in Super. Culmin.	20 22 29.0 24 43.0 26 9.0 27 48.0	146 5 21.0 Init. 205 40 33.5 Finis 4pla Distantia a Vertice 59 35 12.5	27 2.4	Arc. + 7.4 Bar. + 8.0 Ext. + 6.5	K 26.7 - - 26.7 26.3 - - 27.1 26.7 - - 26.7 26.3 - - 27.1
	η Cephei in Super. Culmin.	20 34 59.0 37 17.0 38 44.0 40 24.0 41 40.0 43 16.0 44 42.0 45 51.0	205 40 33.5 Init. 314 54 26.0 Finis 8pla Distantia a Vertice 109 13 52.5	—	—	K 26.8 - - 26.2 26.0 - - 27.0 26.7 - - 26.3 26.2 - - 26.8 26.7 - - 26.3 26.5 - - 26.5 26.8 - - 26.2 26.8 - - 26.2

ANNI 18

N o t a e

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1816.

Menses, et Dies Civiles.	Nomina Astrorum	Distantiae a Zenith observatae			Status Atmosphaerae		Notae	
					Barometricus	Thermometricus		
8 ^a <u>Maii.</u>	η . Virginis.	217 ^o	24'	34.0	27 ^p	2.7	Ad Circ. + 8.5 — Max. + 9.2 Extern. + 8.0	P.
	γ . Virginis.	214	15	11.5				
	Limb. Sup. α	213	48	8.5				
10 ^a	α . Virginis.	192	0	6.5	27	2.3	Ad Circ. + 7.0 — Max. + 8.5 Extern. + 5.5	P.
	β . Virginis.	182	24	30.5				
	γ . Virginis.	180	22	23.5				
	δ . Virginis.	192	12	2.5				
	Limb. Sup. α	195	24	59.0				
	μ . Librae.	195	10	36.0				
20 ^a	Limb. Sup. α	147	52	13.5	27	4.4	Ad Circ. + 13.8 — Max. + 11.3 Extern. + 13.0	P.
	α . Leonis.	122	24	11.0			Ad Circ. + 13.0 — Max. + 15.0 Extern. + 12.0	
13 ^a <u>Augusti</u>	Centrum. η .	187	25	24.75	27	4.5	Circ. + 15.4 Max. + 16.6 Ext. + 13.7	P. η . cum $\odot$ H.
	Error collimationis -124 ^o		8'	6.67				
14 ^a	Centrum. η .	247	56	14.25	27	6.5	Circ. + 16.5 Max. + 14.3 Ext. + 14.7	H.
	Error collimationis -184 ^o		35'	29.13				
14 ^a	Centrum. η .	150	22	40.00	27	4.7	Circ. + 16.9 Max. + 14.7 Ext. + 15.5	H.
	Error collimationis -287		1	15.45				

ANNI 18

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1817.

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae			Status Atmosphaerae		Notae
					Barometricus	Thermometricus	
24 ^a <u>Maii</u>	α . β . Librae.	62 ^o	45 ^{''}	46.0	27 ^p	1.0	Max. + 13.25 Circ. + 12.45 Ext. + 10.35 H
	γ . Librae.	64	39	40.0			
	β . Scorpii	66	46	40.5			
	Centrum $\uparrow$	69	59	40.5			
25 ^a	Centrum $\odot$	70	0	40.6			
26 ^a	β . Virginis.	65	2	4.0	27	2.0	Max. + 13.1 Circ. + 12.4 Ext. + 11.4 Hic et in sequentibus planetaribus observationibus dandus $\frac{1}{2}^c$ limitium T.R. correction = 13.59
	limb. Sup. $\odot$	66	13	30.5			
	α . Virginis.	74	27	10.5			
	α . Librae.	79	51	8.0			
28 ^a	α . Virginis.	54	41	44.0	27	2.1	Max. + 12.0 Circ. + 11.6 Ext. + 10.0 K.
	limb. Sup. $\odot$	62	24	26.0			
	λ . Librae.	64	5	37.0			
	β . Scorpii.	69	34	4.0			
	β . Scorpii.	68	46	38.0	27	2.4	Max. + 11.4 Circ. + 10.4 Ext. + 8.5
29 ^a	limb. sup. $\uparrow$	64	54	4.0			
	Centrum $\odot$	69	59	40.0	27	2.4	Max. + 11.4 Circ. + 10.4 Ext. + 8.5 H
30 ^a	α . Librae.	62	45	42.0	27	1.9	Max. + 11.8 Circ. + 11.0 Ext. + 10.1 K.
	Centrum. $\uparrow$	64	52	0.5			
	limb. inf. $\odot$	72	38	38.5 - $\frac{1}{2}^c$			
31 ^a	Centrum. $\odot$	69	59	2.0			
31 ^a	limb. sup. $\uparrow$	28	29	25.0 + $\frac{1}{2}^c$	27	2.7	Max. + 12.2 Circ. + 11.8 Ext. + 10.0 H $\uparrow$ in $\odot$ am 30 ^a
3 ^a <u>Iunii</u>	β . Scorpii.	69	32	34.0	27	4.1	Max. + 12.4 Circ. + 12.4 Ext. + 11.4 K. H.
	β . Scorpii.	66	45	10.0			
	limb. sup. $\uparrow$	64	45	19.5 + $\frac{1}{2}^c$			
	Centrum. $\odot$	69	56	30.0			
4 ^a	limb. Sup. $\uparrow$	29	41	10.5 + $\frac{1}{2}^c$	27	5.2	Max. + 14.1 Circ. + 13.4 Ext. + 10.4 H.
	limb. Sup. $\odot$	24	47	31.25 + $\frac{1}{2}^c$			
	γ . Leonis.	26	43	7.0	27	4.7	Max. + 14.8 Circ. + 13.8 Ext. + 10.2 K.
	α . Librae	62	44	11.0			
	α . Scorpii.	69	32	35.0	27	5.4	Max. + 14.1 Circ. + 13.3 Ext. + 10.3 H K H
	β . Scorpii	66	45	6.5			
	limb. Sup. $\uparrow$	64	44	3.0 + $\frac{1}{2}^c$			
	α . Scorpii	73	27	22.5			
	Centrum. $\odot$	69	56	8.0			8. $\odot$ $\odot$
6 ^a	α . Virginis.	54	40	10.0	27	6.7	Max. + 13.6 Circ. + 13.5 Ext. + 10.5 K H K H H H
	α . Librae.	62	44	10.0			
	α . Scorpii.	69	32	31.0			
	β . Scorpii.	66	45	4.0			
	limb. Sup. $\uparrow$	64	41	39.5 + $\frac{1}{2}^c$			
	α . Scorpii	73	27	22.5			
	Centrum. $\odot$	69	55	36.5			
7 ^a	β . Scorpii.	69	32	31.5	27	6.8	Max. + 14.3 Circ. + 14.6 Ext. + 13.2 K. H
	β . Scorpii.	66	45	9.0			
	limb. Sup. $\uparrow$	64	40	29.0 + $\frac{1}{2}^c$			
	α . Scorpii.	73	27	29.0 + $\frac{1}{2}^c$			
	Centrum. $\odot$	69	55	17.0			
31 ^a <u>Iulii</u>	limb. sup. $\uparrow$	27	42	12.29 + $\frac{1}{2}^c$	27	5.8	Max. + 14.4 Circ. + 14.8 Ext. + 13.8
			Error calcul. = 0.				
1 ^a <u>Augusti</u>	limb. sup. $\uparrow$	27	35	52.29 + $\frac{1}{2}^c$	27	5.2	Max. + 14.5 Circ. + 14.0 Ext. + 13.0
			ut ante.				
2 ^a	limb. sup. $\uparrow$	27	30	3.54 + $\frac{1}{2}^c$	27	4.6	Max. + 14.6 Circ. + 14.0 Ext. + 13.4 H. in max. occid. sign. a $\odot$
			ut ante.				

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1817.

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae			Status Atmosphaerae		Notae
					Barometricus	Thermometricus	
24 ^a Augusti	<i>α. Aquilae.</i>	39°	4'	38.5	27 ^p 6.4	Max. + 16.0 Circ. + 14.8 Ext. + 12.4	H
	<i>α. Aquarii.</i>	28	40	8.5	manf.	manf.	—
25 ^a —	Centrum ♂	27	55	34.25	27 4.4	Max. + 15.5 Circ. + 13.4 Ext. +	—
	Limbo. Sup. ♀	27	1	38.5 + $\frac{1}{2}c$	27 4.6	Max. + 15.7 Circ. + 13.8 Ext. + 15.0	—
	Centrum ♀	24	4	1.0	27 4.4	Max. + 14.1 Circ. + 20.2 Ext. + 14.5	—
	Centrum. ♀	59	40	59.5	27 4.5	Max. + 16.3 Circ. + 14.4 Ext. + 13.0	—
26 ^a —	Limbo. inf. ♀	27	8	33.5 - $\frac{1}{2}c$	27 4.4	Max. + 16.1 Circ. + 14.4 Ext. + 13.9	—
	<i>α. Aquilae.</i>	39°	4	35.5	27 3.8	Max. + 17.2 Circ. + 16.9 Ext. + 15.0	—
	Centrum. ♀	59	42	36.0	27 3.5	Max. + 17.1 Circ. + 16.1 Ext. + 14.8	—
12 ^a Septembris	<i>β. Aquarii.</i> <i>α. Aquarii.</i>	53° 50' 48 40		24.5 36.5	27 7.9	Max. + 16.0 Circ. + 15.9 Ext. + 14.9	P. duo luntaxat Nonii oppo. siti, N ^o I, III. legi poterant, quod ubique hic de O intelligendum.
13 ^a —	Limbus sup. ♀	29	58	40.75 - $\frac{1}{2}c$	27 6.9	Max. + 15.5 Circ. + 14.4 Ext. + 14.7	H
	Limbus sup. ☉	23	20	30.5 + $\frac{1}{2}c$	27 6.9	Max. + 16.8 Circ. + 15.0 Ext. + 13.3	R
14 ^a —	<i>α. Cygni.</i>	8	52	92.5	27 6.5	Max. + 17.0 Circ. + 16.6 Ext. + 15.0	P. lectis u. Nonii.
	<i>α. Aquilae.</i>	39	5	5.75 Limbo ad Occ.	27 6.5	Max. + 15.5 Circ. + 13.8 Ext. + 14.2	H
	<i>β. Aquarii.</i> <i>α. Aquarii.</i>	53° 50' 48 40		23.5 34.5	27 6.6	Max. + 16.7 Circ. + 15.3 Ext. + 13.7	P. lectis duobus
15 ^a —	Limbus sup. ☉	24	6	40.0 + $\frac{1}{2}c$	27 6.4	Max. + 16.7 Circ. + 12.4 Ext. + 13.2	P
	<i>α. Aquilae.</i>	39	4	16.25 Limbo ad Occ.	27 6.3	Max. + 16.8 Circ. + 16.4 Ext. + 15.3	H
	<i>β. Aquarii.</i> <i>α. Aquarii.</i>	53° 50' 48 39		30" 24	27 6.3	Max. + 16.6 Circ. + 16.2 Ext. + 14.6	P. lectis duobus et diversis ab illis, qui ad Occ. legabatur.
16 ^a —	Limbus inf. ☉	25	1	51.5 - $\frac{1}{2}c$	27 5.7	Max. + 17.0 Circ. + 20.2 Ext. + 18.4	P
17 ^a —	Limbo. Sup. ☉	24	52	57.0 + $\frac{1}{2}c$	27 6.0	Max. + 16.2 Circ. + 14.2 Ext. + 13.2	H. Observatio ab situm in Meridiano dubia.
18 ^a —	Limbo. Sup. ☉	25	16	21.0 + $\frac{1}{2}c$	27 8.7	Max. + 15.0 Circ. + 14.6 Ext. + 14.4	R.
19 ^a —	Limbo. Sup. ♀	31	29	50.5 - $\frac{1}{2}c$	27 9.8	Max. + 13.3 Circ. + 12.0 Ext. + 11.0	H
	Limbo. Inf. ☉	26	11	40.0 + $\frac{1}{2}c$	27 9.5	Max. + 14.0 Circ. + 14.1 Ext. + 13.0	P
	<i>α. Aquilae.</i>	39	5	4.25	27 9.3	Max. + 13.8 Circ. + 12.1 Ext. + 10.7	P
	<i>α. Aquarii.</i> <i>γ. Aquarii.</i>	48 40 49 46		34.5 36.0	27 9.3	Max. + 13.7 Circ. + 10.8 Ext. + 8.4	P. Observatio γ. Aquarii fere 2 ant 4 mensis incerta.
20 ^a —	Limbo. inf. ☉	26	34	53.0 - $\frac{1}{2}c$	27 8.8	Max. + 14.0 Circ. + 15.2 Ext. + 15.5	P. Limbus ☉ hemisphaeris male taxominatus.

ANNI 18

Thermometricus

OBSERVATIONES CIRCUMMERIDIANAE

DISTANTIARUM ZENITHALIU

ANNI 1817

Menses, et Dies	Nomina Astrorum	Tempus obs. in Horologio	Status Nonii	Status Athmosphoerae		Notae
				Barometr.	Thermometr.	
24 ^a <u>Julii</u>	α . Ophiuchi.	17 ^h 22 ^m 58. ⁰ 24 59. ⁵ 26 22. ⁰ 28 5. ⁰ 29 59. ⁰ 31 59. ⁵	139° 59' 59".5 init. 188 40 32.55 Finis. Opia dist. a Vertice 208° 40' 34".25	27 ^p 4. ⁵	Max. + 16. ⁰ Circ. + 14. ² Ext. + 15. ⁴	E.
29 ^a —	α . Herculis	14 15 52. ⁵ 5 59. ⁵ 6 57. ⁰ 8 38. ⁵ 10 1. ⁵ 11 55. ⁰	179 59 58.5 init. 17 14 54.0 Finis. Opia dist. a Vertice 197° 15' 0.5	27 8.4	Max. + 16. ⁵ Circ. + 16 Ext. +	
31 ^a <u>Augusti</u>	β . Cygni.	19 21 59. ⁵ 22 54. ⁵	0 0 0.5 39 44 135.5 Opia dist. a Vertice 39° 44' 135.0			
	α . Aquilae	19 40 14. ⁵ 22 55. ⁵	39 44 135. 114 56 5 Opia dist. a 78° 9'			
21 ^a <u>Septembris</u>	Limb. Supex. $\odot$ Limb. Infex.	11 51 52. ⁵ 11 54 25. ⁵	224° 59' 138 21 350			
22 ^a —	Limb. Supex. $\odot$ Limb. Infex.	11 54 13.0 11 56 24.0	267 3			
23 ^a —	Limb. Supex. $\odot$ Limb. Infex.	11 59 6. 12 2 4				

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