OBSERVATIONES DISTANT. ZENITH. MERIDIANAE.

DIARIUM
OBSERVATIONUM ASTRONOMICARUM
REGIAE BUDENSIS
SPECULAE
IN
MONTE SANCTI GERARDI

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1818

Menses, et Dies civiles	Nomina Astrorum	Distantiae a Zenith observatae			Status Athmosphoerae			Notae
					Barometricus		Thermometricus	
September.	α. Aquilae	39°	4′	11″.75	27P	5L.4	Ad circ. +16°.0 Barom. 15.4 Ext. 14.4	
1ª	β. Aquarii	53	49	26.5				
	α. Aquarii	48	39	32.5				
	γ. Aquarii	49	45	32.0				
	η. Aquarii	48	30	40.5				
2ª	——— ☿	45	17	58.0				
	Limb. Super. ♄	55	17	19.0				
2ª	α. Aquilae	39°	4′	13″.0	27P	5L.4	Ad circ. +16°.8 Extern. 14.0 Barom. 16°.5	
	β. Aquarii	53	49	20.5				
	α. Aquarii	48	39	29.5	27P	5L.6	Ad circ. +16° Ext. +15° Barom. +15°.8	—
	γ. Aquarii	49	45	30.5				
	η. Aquarii	48	30	34.5				
3ª	Limb. Super. ♄	55	19	16.1				
3ª	α. Aquilae	39	4	10.5	27P	6L.4	Ad circ. +18°.6 Extern. +18.0 Bar. --+17.2	
	β. Aquarii	53	49	19.5				
	α. Aquarii	48	39	30.5				
	γ. Aquarii	49	45	30.0	27P	6L.4	Ad circ. +14°.0 Extern. +12.0 Barom. +12.0	—
	η. Aquarii	48	30	39.0				
4ª	——— ☿	45	42	9.5				
	Limb. Super. ♄	55	21	1.6				
4ª	β. Aquarii	53	49	18.5	27P	7L.2	Ad Circ. +15°.0 Extern. 14.0 Barom. 16,0	——
	α. Aquarii	48	39	30.0				
	γ. Aquarii	49	45	31.0				
	η. Aquarii	48	30	38.0				
6ª	☿	46°	4′	46.0	27P	7L.4	Ad Circ. + 15°.8 Ext. 14.4 Barom. 16.3	——
	Limb. Super. ♄	55	22	37.6				
6ª	α. Aquilae	39	4	10.0	27P	6L.5	Circ. +15°.5 Ext. 14.4 Barom. 16.2	
	β. Aquarii	53	49	18.0				
	α. Aquarii	48	39	28.5				
	γ. Aquarii							
	η. Aquarii	48	30	39.0	27P	6L.5	Ad Circ. +14°.2 Ext. 13.5 Barom. 15.4	——
6ª	——— ☿	46	20	41.5				
7ª	Limb. Super. ♄	55	26	28.1				
7ª	α. Aquilae	39	4	10.5	27P	5L.2	Ad Circ. +14°.8 Ext. 12.4 Barom. 16.0	
	β. Aquarii.	53	49	19.0				
	α. Aquarii.	48	39	30.5				
	γ. Aquarii.	49	45	29.5	27P	5L.0	Ad Circ. +13°.5 Ext. 12.0 Bar. 15.3	——
	η. Aquarii	48	30	38.0				
7ª	——— ☿	46	33	42.5				
8ª	Limb. Sup. ♄	55	28	19.6				

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Observationes non sunt stellarum ut ex his nostris immediate deduci possit. Caeterum errorem conversio circuli ponit in hanc alteram observationis opus libellam observationum methodus, quae in locum priorem rectificatis gradum attingere, quod praecipue in collocatum sit et finita, hydeni observatio ope calculi	declinationis nostris observationibus aptari. Capta autem simul eadem stella circuli limbo immobilitatem, denique inmutatam alterutram partem ipsarum conversionis erroris rotatilis, quod cuique collimationis observando necessario limbus nonius, limbus in observatio capi debita ratione habita.	distantiarum a Zenith sequentes, ubi praecedentes, sed absoluta, ita ut cognitione ex aliorum astronomorum observationibus ipsis et errore collimationis distantia rotante. potuit colligue Ille autem hunc finem axis majorem instrumenti, nullo negotio reduci et corrigi immutatio multiplicationum rotatur. Si observatori eadem cum instrumentum peritus careat, oppositam alitudinis	ope circuli tripedalis multiplicantis facta, previa unius pluriumve observationibus opus non sit, sed vera stellae altitudo circulo externo firmiter fixo determinandum collimationis permisit, die sequenti methodus primo externi facile obtineatur. Superficiei, qua si casu quodam etiam medias inter dubitata est. Caeterum observationes definire libuerit, fide digna sit, ipsa intra columnas ferreas defectum maximum praecisionis! statim observationem converti et secunda ejusdem vel reductionis ad meridianum	

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae			Refractio vera Ser. Carlini	Status Athmosphoerae: Barometricus	Thermometricus	Notae
Majus 19	α Hydrae ---- O	55°	20′	30″	1′ 21.5	27	6.7	+ 12.3 Ext
	ο Leonis --- O	36	45	28	.. 42.1			O significat limbum circuli diversum Orientem versus, W autem Occidentem versus collocatum. Eadem stella in utraque parte observata, erit Error collimationis $z = \frac{O-W}{2}$ et distantia a Zenith
	μ ------- O	20	37	20	.. 21.2			
	α ------- O	34	37	34	.. 39.0			
	ζ ------- O	23	9	34	.. 24.1			
	γ ------- O	26	43	16	.. 28.4			
	α Aquarii --- O	48	39	36	1 .. 4.0			
	♀ ------- O	40	38	20	.. 48.4			
						27	6.7	11.4 Ex
20 ...	⊙ 3h 49′ 33″ Sup (O	27	21	30	28.5	27	6.5	17.2 Ex
	3 51 45.7 Inf (W	27	33	30	29.1			12.4 ♀
	α Hydrae ---- O	55	20	30	..80″9			
	ο Leonis --- W	36	46	2..	.. 41.8	27	6.1	13.2 Ex
	μ ------- W	20	37	42..	.. 21.1			
	α ------- W	34	37	56..	38.7			
	ζ ------- W	23	10	2--	24.0			
	γ ------- W	26	43	42--	28.2			
	υ ------- W	47	18	8 --	60.7			
	β ------- W	31	54	2 --	34.9	27	6.1	13.4 E
	β Virginis -- W	44	41	34--	55.4			
	π ------- W	39	51	19 --	46.8			
	α Corvi ---- W	71	10	2 --	162.8			
	γ ------- W	64	0	2 --	114.4			
	η Virginis --- W	47	15	28 --	60.6			
	∫ Corvi ---- W	62	58	20 --	109.4			
	γ Virginis -- W	47	55	54 --	62.0			
	∫ Virginis -- W	43	5	42 --	52.4			
	♀ W	40	12	58 --	47.6	27	5.6	12.0 E
21	⊙ W Limb. sup	27	9	22 ---	28″8	27	5.7	12.6
	W sup	27	9	20 ---				
	α Hydrae ---- O	55	20	25 ---	81.1			
	α Leonis --- O	34	37	27 ---	38.8			
	ζ ------- O	23	9	30 ---	24.0			
	γ ------- O	26	43	13 ---	28.3	27	5.2	12.2
	β ------- O	31	53	22 ---	34.9			
	β Virginis -- O	44	41	4 ---	55.5			
	π ------- O	39	50	46 ---	46.9			
	α Corvi --- O	70	9	42 ---	163.2			
	γ ------- O	63	59	22 ---	114.7			
	η Virg ------ O	47	7	38 ---	60.7			
	∫ Corvi --- O	62	57	42 ---	109.7			
	γ Virginis -- O	47	55	22 ---	62.2			
	∫ ------- O	43	5	16 ---	52.5			
	36 Derncies -- O	29	5	12 ---	31.2			
	ε Virg ---- O	35	2	19 ---	39.4			
	41 Bereu --- O	18	52	44 ---	19.2			
22	α Hydrae --- W	55	20	56 ---	81.1	27	5.4	+ 12.4
	α Leonis --- W	34	37	52 ---	38.8			
	υ Leonis ----	47	18	5 ---	60.8			
	β Leonis ----	31	53	58 ---	34.9			
	β Virginis ----	44	41	34 ---	55.5			
	π Virginis ---	39	51	18 ---	46.9			
	α Corvi ----	71	10	9 ---	163.2			
	γ Corvi ------	63	59	58 ---	114.7			
	η Virginis ---	47	8	8 ---	60.7			
	∫ Corvi ----	62	58	14 ---	109.7			
	γ Virginis ----	47	55	48 ---	62.2			
	∫ Virginis --- W	43	5	42 ---	52.5			
	♀ Centr ---- O	34	36	14	46.5 ---	27	5.7	+ 12.0

19 et 20 Maji Error collim. ∂z

ο Leonis	− 12″
μ ----	− 11
α ----	− 11
ζ ----	− 14
γ ----	− 13
∂z =	− 12.2

Distantia a Zenith correcta =
$O - \partial z = O + 12.2$
$W + \partial z = W - 12.2$

20 et 21 --- ∂z

α Leonis ---	= − 14.3
	− 16.0
ζ ----	− 14.5
γ ----	− 15.0
β Virg ----	− 16.5
π ----	− 15.0
γ ----	− 13.0
∂z =	− 15.1

21 et 22 --- ∂z

α Hydrae ---	− 15.5
α Leonis ---	− 12.5
β ----	− 18.0
β Virginis ---	− 15.0
π ----	− 16.0
α Corvi ----	− 13.5
γ ----	− 16.0
η Virg ----	− 15.0
∫ Corvi ---	− 16.0
γ Virg ----	− 13.0
∫ ----	− 13.0
∂z =	− 14.9

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						Barometricus		Thermometricus	
Maji 23	α Hydrae - - O	55°	20′	28″	80″6	27	4.6	+13°.0 Cst	Δz = -15.0
	α Leonis - O	34	37	28	38.6				
	β Leonis - - O	31	53	22	34.7				
	β Virginis - - O	44	41	4	55.2				
	π Virginis - - O	39	50	48	46.6				
	α Corvi - - - O	71	9	41	162.2				
	☿ - - - - W	38	56	18	45.2	27	5.0	+12.8	
24	⊙ L. inf. W	27	5	23	28.5	27	5.0	+13.4	Limb. undulante.
	α Hydrae - W	55	20	56	80.4				
	α Leonis - - W	34	37	50	38.4	27	4.3	+13.6	Δz = -15.4
	β Leonis - - W	31	53	58	34.6				
	β Virginis W	44	41	34	55.0				
	π Virginis - W	39	51	23	46.5				
	σ Virginis - W	37	59	24	43.4				
	α Corvi - - - W	71	10	14	161.6				
	γ Corvi - - - W	64	0	0	113.6				
	γ Virginis - - W	47	8	10	60.2				
	μ Centauri - W	85	22	20	601.3				
	S Corvi - - - W	62	58	17	108.6				
	β Corvi - - - W	69	50	58	150.5				
	χ Virginis - W	54	28	8	77.8				
	γ Virginis W	47	55	45?	61.6				
	30 Berenices - W	18	56	42	19.1				
	S Virginis - - W	43	5	46	52.1				
	36 Berenices W	29	5	40	30.9				
	ε Virginis - - W	35	32	52	39.0				
	41 Beren. - W	18	53	14!	19.0				
	♀ - Centr. - - O	38	30	32					
25	⊙ L. sup - - O	-	-	-					
	α Hydrae - - - O	55	20	28					
	♀ Cent - - - O	38	5	28					
26	⊙ L. sup O	26	11	9		27	1.8	15.2	
27	f Berenice O	20	22	22					

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Menses, et Dies	Nomina Astrorum		Distantiae a Zenith observatae			Status Athmosphoerae		Notae
						Barometricus	Thermometricus	
Maji 28	⊙ I. Sup	O	25	50	42.0	27 2.4	+14.6	Cirr. undulanti
29	α Virginis	W	57	41	6			
	h Virginis	W	56	42	2			
	3 Virginis	W	47	8	33.2			
	m Virginis	W	55	15	25			
	O Virginis	W	58	58	59	27 3.2	+13.8	coelo nubilo.
	v Bootis	W	30	47	4			
	y Bootis	W	28	10	30			
	ℓ Bootis	W	19	6	11			
	τ Virginis	W	45	3	10			
31	⊙ I. Sup.	O	25	22	34	27 3.5	13.4	
Junii 1	⊙ I. S...	O	25	19	54	27 5.6	12.4	
	S Virginis	O	43	5	6			
	36 Berenices	O	29	5	10			
	ε Virginis	O	85	32	14			
	43 Beren..	O	18	40	42			coelo non sereno, facies Stellarum male terminata
	τ Centauri	O	77	57	32			
	y Hydrae	O	69	39	20			29 chapiet 1 Junii
	ε Centauri	O	83	7	8			h Virg dZ = − 18.0
	α Virginis	O	57	40	24	27 6.8	11.0	3 − − − − 14.5
	ω Virginis	O	32	43	25			m − − − − 17.5
	h Virginis	O	56	41	26			O − − − − 17.5
	3 Virginis	O	47	8	4			v Bootis.. 20.0
	m Virginis	O	55	14	50			y − − − − 18.0
	O Virginis	O	58	58	24			ℓ − − − − 17.0
	v Bootis	O	30	46	24			τ Virg − − − 17.0
	y Bootis	O	28	9	54			dZ = − 17.4
	ℓ Bootis..	O	19	5	37			
	τ Virginis	O	45	2	36			
2	⊙ I. I	W	25	37	54	27 6.9	12.0	
4	⊙ I. I ...	W	25	22	30	27 8.5	15.0	
	ρ Bootis	W	16	19	2			
	6 Bootis	W	16	57	2			
	π Bootis	W	30	17	8			
	268 Bootis	W	20	11	6	27 6.9	14.6	
	ε Bootis	W	19	38	44			
	μ Libra	W	60	51	18			
	2α Libra Sey.	W	62	45	0			

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Junii 4	ξ Bootis w	27 37 40			
	2 ξ Libra w	58 8 34			
	δ Libra w	55 14 59			
	γ Scorpii w	72 0 42			
	ε Bootis w	21 54 24			
	γ i Libra w	66 33 30			
	τ Libra w	64 32 48?			
	β Libra w	56 14 40			
	δ Bootis o	13 29 40	27 6.9	14.6	
	o Coron. bor. w	17 12 38			
	γ Cor. bor w	16 32 30			
	29 Libra w	45 0 2			
	14 Scorpii w	74 52 2			
	♀ Cntr O	34 4 52	27 7.6	14.8	
Junii 5	β Leonis O	31 53 26			
	o Virginis O	37 43 56			
Junii 6	⊙ L. Sup. O	24 36 40	27 4.3	15.6	
Junii 9	⊙ L. Sup. - - O	23 19 8?	27 2.4	15.4	Junii 4 et 9
	☉ Virginis O	58 58 30			♃ H
	τ Bootis - O	29 6 40			♀ Bootis d7 = −14.0
	υ Bootis O	30 46 30			δ Boot - - - −16.0
	γ Bootis O	28 9 58			π Boot - - −18.0
	l Bootis O	19 5 40			26 Boot - - −19.0
	τ Virginis O	45 2 42			ε Boot - - −17.0
	α Bootis O	27 20 44			2 α Libra −15.0
	φ Virginis O	48 52 40			2 ξ Libra −18.0
	ς Bootis O	16 [illegible] 18 30			δ Libra −14.5
	σ Bootis O	16 56 30	27 2.8	15.2	d2 = −16.4
	π Bootis O	30 16 32			
	26 Bootis O	20 10 28			
	ε Bootis O	19 38 10			
	μ Libra O	60 50 50			
	2 α Libra fey O	62 44 30			
	ξ Bootis O	27 37 18			
	2 ξ Libra O	58 7 58			
	δ Libra O	55 15 30			

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Junii 10	☉ L. Inf. . . W	24 46 18.2	27 3.7	15.5	
Junii 11.	☉ L. S - - - O	24 9 25.5	27 4.1	15.4	
	O Virginis - - O	58 58 32.0			
	τ Bootis - - - O	29 6 40			
	υ Bootis - - O	30 46 28			
	η Bootis - - O	28 10 0			
	ι Bootis - - O	19 5 44			
	τ Virginis - O	45 2 40			
	α Bootis - - O	27 20 41			
	φ Virginis O	48 52 40			
	ρ Bootis O	16 18 28			
	σ Bootis O -	16 56 33			
	π Bootis - O	30 16 29			
	ε Bootis - O	19 38 7			
	2α Libra sq O	62 44 32			
	ξ Bootis O	27 37 20			
	2 ξ Libra O	58 8 0			
	S Libra O	55 15 27.2			
	♀ Canc. O	31 32 32	27 4.4	15.4	
Junii 12.	☉ L. I - - - O	24 36 36.7	27 4.3	16.3	
	η Bootis - - W	28 10 28			
	ι Bootis W	19 6 10			
	τ Virginis W	45 3 9			
	κ Virginis W	56 53 48			
	α Bootis W	27 21 18			
	ρ Bootis W	16 19 0			
	σ Bootis W	16 57 8			
	π Bootis W	30 17 3			
	ε Bootis W	19 38 39			
	2α Libra sq W	62 44 56?			
	ξ Bootis W	27 37 39.2			
Junii 13	☉ L. S . . . W	24 1 50	27 3.9	16.4	
	υ Bootis W	30 47 0			
	η Bootis W	28 10 30			
	ι Bootis W	19 6 8			
	τ Virginis W	45 3 10			
	κ Virginis W	56 53 46			
	α Bootis W	27 21 18	27 4.1	16.0	
	20 Bootis W	30 20 36			
	19 Bootis W	40 50 4			
	ρ Bootis W	16 19 0			
	σ Bootis W	16 57 6			

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						Barometricus	Thermometricus	
Junii 13	π Bootis W	30°	17′	0″				q ad 13 Junii δz
	26 Bootis W	20	11	0				υ Boot. . . −15.0
	ε Bootis W	19	38	41				η . . . 16.0
	μ Libræ W	60	51	14.2				ζ 14.0
	2α Libræ sq. W	62	44	58				τ Virg . . . 14.0
	ξ Bootis W	27	37	36				α Boot. . . . 17.0
	2ξ Libræ W	58	8	28		27 4.1	16.0	ς . . . . . 15.0 G . . . . . 18.0 π . . . . . 14.0 26 B . . . . . 16.0 ε . . . . . 15.5 2α Libræ . . . . 14.0 2ξ Libræ . . . 15.0 δz = −15.3
Junii 14	☉ I. I. . . O	24	29	19.5		27 4.6	16.4	
Junii 15	☉ I. S. . W	23	55	20		27 4.0	17.3	
	α Coron. bor W	20	9	20				
	μ Libræ W	66	32	40				
	α Serpentis W	40	28	40				
	β Serpentis W	31	29	16				
	μ Serpentis W	50	20	38				
	ε Serpentis W	42	27	0				
	ς Scorpii W	76	6	42.2				
	π Scorpii W	73	1	42.2				
	δ Scorpii W	69	33	10.2				
Junii 16	☉ I. I. . . . O	24	23	33.5		27 4.0	17.0	
Junii 17	☉ I. S. . . . W	23	50	18.0		27 4.1	16.0	
Junii 19	β Coron. bor O	17	44	40				15 ad 19 Junii δz
	14 Scorpii O	74	51	32				α Coron . . . −13.0
	γ Libræ O	61	38	7				α Libræ . . 16.0
	α Cor. bor O	20	8	54				α Serpent . . 15.0
	μ Libræ . . O	66	32	8				β 15.0
	α Serpent . . O	40	28	10				μ 15.0
	β Serpentis O	31	28	46				ε 15.0
	μ Scorpii O	50	20	8		27 3.2	15.7	ς Scorpii . . 16.0
	ε Serpentis O	42	26.2	30				π 14.0
	ς Scorpii O	76	6	10				δz = −14.9
	π Scorpii O	73	1	14				
	δ Scorpii O	69	32	30				

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			Barometricus	Thermometricus	
Junii 20.	☉ I. I. W	24 17 38	27 3.6	15.8	
	ρ Bootis w	16 19 2			
	σ Bootis w	16 57 4			
	π Bootis w	30 17 0			
	ε Bootis w	19 38 40			
	20 α Libro seq w	62 45 0			
	δ Bootis w	13 29 33			
	o Coron. bor w	17 12 34			
	γ Cor. bor w	16 32 20			
	β Cor. bor w	17 45 9			
	14 Scorpii w	74 52 6			
	γ Libre w	61 38 35			
	α Coron. bor w	20 9 28			
	μ Libre w	66 32 33			
	α Serpentis w	40 28 40			
	β Serpentis w	31 29 18			
	μ Serpentis w	50 20 37			
	ρ Scorpii w	76 6 33			
Junii 21	☉ I. S. .. O	23 45 2	27 4.6	15.9	
	δ Bootis w	13 29 32			
	ρ Cor. bor w	17 12 34			
	γ Cor. bor W	16 32 24			
	β Cor. bor w	17 45 10			
	14 Scorpii w	74 52 7			
	γ Libra w	61 38 37			
	α Cor. bor w	20 9 25			
	μ Libra w	66 32 32?			
	α Serpentis w	40 28 40			
	β Serpentis w	31 29 20			
	μ Serpentis w	50 20 35			
	E Serpentis w	42 26 56			
	ρ Scorpii w	76 6 35	27 4.9	15.4	
Junii 22.	☉ L J .. W	24 16 58	27 5.1	15.6	
	14 Scorpii w	74 52 5			
	γ Libra w	61 38 40			
	α Cor. bor w	20 9 28			
	μ Libra w	66 32. 30			
	α Serpentis w	40 28 40			
	β Serpentis w	31 29 20			
	μ Serpentis w	50 20 33			
	E Serpentis w	42 26 53			
	ρ Scorpii w	76 6 40?			

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Junii 23.	γ Coron. bor O	16 31 50			
	β Cor. bor O	17 44 40			
	γ Libra O	61 38 9			
	α Cor. bor O	28 8 57			
	π Libra O	68 32 12			
	α Serpentis O	40 28 10			
	β Serpentis O	31 28 40			
	μ Serpentis O	50 20 2			
	ρ Scorpii O	76 6 17			
	π Scorpii O	73 1 17			
	δ Scorpii O	69 32 27			
	π Serpentis Scorpii O	24 10 54			
	ω Scorpii O	67 37 6			
Junii 24	☉ L. T. . . W	24 17 45.7	27 6.0	14.8	
	γ Cor. bor O	16 31 52			
	β Cor bor O	17 44 41			
	μ Scorpii O	74 51 32			
	γ Libra O	61 38 11			
	α Cor. bor O	28 8 58			
	π Libra O	68 32 10			
	α Serpentis O	40 28 10			
	β Serpentis O	31 28 42			
	μ Serpentis O	50 20 4			
	ε Serpentis O	42 26 22	27 5.6	14.4	
	ρ Scorpii O	76 6 10			
	π Scorpii O	73 1 14			
	δ Scorpii O	69 32 30			
	π Serpentis O	24 10 50			
	ω Scorpii O	67 37 2			
Junii 26	☉ L S. . . . O	23 48 19	27 6.2	13.6	
	τ Libra W	64 32 58			
	β Libra W	56 10 42			
	δ Ophiuchi W	13 29 34			
	α Cor. bor W	17 12 34			
	γ Cor. bor W	16 32 28			
	29 Libra W	45 0 6			
	β Cor. bor W	17 45 5	27 5.7	15.0	

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae			Status Athmosphoerae		Notae
					Barometricus	Thermometricus	
Maius			Libella Alhidada		in Pollicibus et Lineis Pedis Parisini	in Gradibus Scalae Reaumurianae	Observatione facta Limbo ad Orbum converso.
6		46° 50' 41".00	5.0 ad M.		24" 6.93	i+12°.75 e+13.20	
7							
junius 5	α	46.25	3.5	S	6.02	i+13.00 e+15.80	
8	Ursae minoris	34.00	4.1	M	7.0	i+14.0 e+15.8	Primarius finis, in quem has Observationes in Circulo Meridiano suscepimus, erat, ut hujus Instrumenti indolem explicarem, et praecisionem accurationemque, qua distantias zenithales in illo, si debite tractabar, metiri liceat, explorarem. In illorum modo gratiam, quibus placuerit aliquando, quaecunque demum disquisitiones his Observationibus superstruere, sequentes subjungo animadversiones.
9		37.75	0.3	S	6.22	i+15.0 e+16.4	
10	Supra Polum	43.00	6.5	S	4.78	i+15.5 e+16.8	
15		35.0	2.5	M	1.85	i+13.0 e+10.	
18		36.75	2.8	M	3.47	i+14.0 e+13.2	
21		33.25	4.1	M	5.1	i+13.75 e+14.0	
30		32.25	6.2	M	4.28	i+14.25 e+14.4	
julius 6		35.0	4.0	M	6.62	i+15.5 e+14.4	
9		36.0	4.4	M	6.32	i+15.5 e+14.4	
10		34.25	5.5	M	6.32	i+16.0 e+15.0	
Maius 5		44° 6' 5".25	9.3	M	5.8	i+12.25 e+10.6	1) Alhidada hujus Circuli quatuor Nonii instructa, quae dum ipse Circulus cum Tubo rotabatur, immota subsistebat, sibimque semel obtentam partionitatem servare debebat, parvaeo perfecte quidem, plerumque tamen Polum semper mutare solet: atque has mutationes Libella fixa prodit, quam eadem Alhidada portat.
6		11.75	2.9	S	6.52	i+13.0 e+12.8	
31	α	10.25	5.1	M	3.68	i+11.75 e+13.2	
junius 1		10.25	3.3	M	5.5	i+11.75 e+11.8	
6	Ursae minoris	11.50	5.7	M	5.1	i+13.5 e+16.4	
7		13.50	2.4	M	6.42	i+14.0 e+18.0	
8	Infra Polum	14.50	0.5	S	6.12	i+15.75 e+17.4	
9		20.50	1.8	S	5.3	i+16.5 e+18.6	2) Ob hanc causam omnes distantiae zenithales hic in tertia columna productae erroneae sunt, et correctionibus opus habent, quas columna quarta offert, exhibens observatas distantias inter distantias decanum Extremitatum Nullae aberat a medio fundo divisionis Libellae, signis ad M et S deorsum tibus, quod Meridionalis vel Septentrionalis Extremitas nullae magis quam ab altera distat a medio fundo divisionis. Sub vero has distantias in minimis Libellae partibus determinatas, quarum quarta in decursu harum Observationum valorem habuit = 1",05
10		17.24	4.0	S	3.37	i+16.5 e+18.3	
11		17.75	0.7	M	2.35	i+14.75 e+17.8	
16		15.75	4.4	S	5.30	i+18.0 e+21.2	
julius 10							
Aprilis 13		15° 11' 1".25	3.2	S	4.08	i+7.75 e+6.4	
14		0.75	6.0	S	4.68	i+7.75 e+4.8	
15	α	3.25	9.3	S	3.27	i+7.5 e+3.6	
20		0.25	0.0		8.75	i+7.5 e+5.6	
21	Ursae maioris	10 55.00	4.8	M	8.65	i+8.0 e+7.2	
22		11 0.00	5.0	S	7.13	i+8.75 e+9.6	
28	Supra Polum	10 57.00	4.6	M	7.23	i+11.50 e+12.2	
29		10 59.00	3.3	M	7.33	i+12.5 e+12.6	
30		11 1.00	0.6	M	6.93	i+13.0 e+13.2	
Maius 1		11 0.50	0.7	M	6.02	i+14.5 e+14.4	Exempl. in Observatione Ursae minoris 6. Maii, status Libellae erat 5.0 ad M: ergo Extremitas Meridionalis tubi aberat 5 partibus magis quam septentrionalis. Extremitas a medio fundo divisionis; et ideo correcto observata distantia zenithalis fuit =
5		10 54.73	7.4	M	5.70	i+12.75 e+12.2	
6		10 59.25	6.1	M	6.32	i+13.0 e+12.8	
31		10 59.25	4.3	M	3.48	i+11.75 e+16.0	
julius 6		10 59.00	4.0	M	4.58	i+13.25 e+18.8	
8		10 58.50	2.4	S	6.22	i+15.75 e+18.0	
Aprilis 10	α	69° 44' 53".50	6.7	M	26" 11.6	i+7.00 e+7.6	+ 0",5.25 x 5 = + 2",63 et correcta distantia = 44° 50' 43",63.
14	Ursae maioris	55.5	10.2	S	27 4.58	i+7.25 e+6.4	
20	Infra Polum.	51.75	9.3	S	8.05	i+7.0 e+5.6	Sed pro Maii statu Libellae fuit 3,5 ad S notandus:

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM
ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae		Libella Altidudo	Status Athmosphoerae: Barometricus	Thermometricus	Notae
Aprilis. 23		69°	55".50	8.1 S	6.92	i+8.75 e+9.0	hac igitur in observatione Septentrionalis Extremitas nullas distabat m/s partibus magis quam Meridionalis Extremitas; correctisque observatis distantiis zenithalis exactis = −0".25 × 4/5 = −1",84, et correcta distantia = 69° 50' 47",41.
29			51.25	1.3 S	7.95	i+11.0 e+11.6	
30	α		45.50	5.9 M	7.33	i+11.75 e+11.2	
Maius. 1			48.00	4.7 M	7.23	i+12.25 e+12.4	
6	Ursae maioris		52.50	1.4 S	6.72	i+12.0 e+12.0	
4			50.75	2.0 S	6.32	i+12.25 e+10.8	
Iunius 7	Infra Polum		54.00	5.0 S	6.02	i+13.0 e+14.2	
8			49.75	1.0 S	6.82	i+13.75 e+14.2	
9			57.75	13.9 S	6.02	i+15.0 e+16.0	
10			46.0	4.3 M	4.78	i+15.5 e+15.2	
Iunius. 20		27° 21'	20.00	1.8 S	27P 5.0	i+14.25 e+14.4	a) Complexus omnium 424 observationum, quas mihi a 25ta Martii usque 4tam Augusti facere licuerat, generatim docuit, correctiones observatarum distantiarum zenithalium rarissime ad ½" ascendere, modo Astronomus bubuli circuli suas Observationes conformet; omni autem casu securas futuras correctiones, utpotuum valor partium libellae secura definitibus fuerit.
21	β		28.50	12.9 S	2.65	i+15.24 e+16.6	
29	Ursae minoris		22.75	0.1 M	4.48	i+14.75 e+16.0	
Iulius. 9	Supra Polum		27.50	5.0 M	6.12	i+16.5 e+19.0	
10			26.25	7.1 S	5.3	i+18.0 e+20.0	
Iunius. 10		57° 35'	26".75	3.9 S	27P 4.78	i+16°.25 e+17.6	Limbus conversus ad Ortum
18	β		17.75	8.4 M	3.87	i+14.0 e+14.4	
Iulius. 9	Ursae minoris		13.00	7.8 M	6.5	i+16.0 e+16.0	
10	Infra Polum		26.75	16.1 S	6.42	i+16.0 e+16.6	b) Animadvertenda demum dubio, has observationes plurimum quae iniquissimis temporibus, dum nimirum fines observandae saepenumero vix exacte conspicuae, factae fuisse: absque hoc imprimis circumstantia majores illae Anomaliae adscribendae necesse est, quibus observatae distantiae zenithales nonnunquam subiectae deprehenduntur.
Martius. 30		14° 19'	30".25	9.0 S	27P 2.6	i+4°.25 e+0°.8	
Aprilis. 2			27.00	2.9 S	1.63	i+4.7 e+2.4	
10			26.50	7.0 S	26 11.60	i+6.75 e+6.4	
14	α		25.25	5.5 S	27 4.58	i+7.25 e+5.0	
20			27.25	6.8 S	7.73	i+6.5 e+4.4	
22	Cephei		25.25	3.9 S	8.25	i+2.5 e+5.2	
23			25.25	3.4 S	7.03	i+8.25 e+8.2	
29	Supra Polum		22.25	0.0	7.73	i+11.00 e+10.0	
30			19.25	4.9 M	7.43	i+11.50 e+9.8	
Maius. 1			26.25	2.2 S	7.03	i+12.0 e+11.2	
5			30.25	10.8 S	5.20	i+12.0 e+9.6	
6			22.25	3.5 S	6.52	i+11.5 e+9.6	
Iunius 1			22.55	5.7 M	4.38	i+11.25 e+9.4	
Martius. 23		70° 36'	20".75	5.7 S	27P 2.65	i+7°.74 e+5.8	
25	α		19.25	9.2 S	1.55	i+6.75 e+3.0	
Aprilis. 2	Cephei		17.50	0.1 M	0.82	i+5.5 e+2.8	
4			20.50	4.0 S	4.28	i+6.25 e+5.6	
12	Infra Polum		20.75	7.2 S	3.17	i+7.25 e+5.4	
13			13.25	2.4 M	4.08	i+7.75 e+6.0	
14			21.25	6.9 S	4.58	i+7.75 e+5.4	
15			18.00	4.0 S	3.27	i+7.5 e+4.0	
20			18.00	3.4 S	8.25	i+7.5 e+6.4	

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OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Libella		Status Athmosphoerae: Barometricus	Thermometricus	Notae
Aprilis. 21	α	76° 19. 25	5.7	S	8.55	i+8.0 e+8.4	
22	cephei	23.00	4.7	S	7.03	i+9.0 e+11.2	
28	infra Polum	18.00	7.7	M	6.62	i+12.0 e+14.2	
29		19.50	7.8	M	7.23	i+13.0 e+13.8	
Aprilis. 10		22° 16' 7".50.	4.0	S	26p e 11.60	i+6°.75 e+6°.4	
14	β	10.25	6.5	S	27 4.58	i+7.25 e+5.0	
20		6.75	5.5	S	7.73	i+6.5 e+4.4	
22	Cephei.	1.50	4.7	M	8.25	i+7.5 e+5.2	
27		3.25	1.3	M	7.03	i+8.25 e+8.2	
29	Supra Polum.	2.50	0.8	M	7.73	i+11.00 e+10.0	
Maius. 1		5.50	3.6	S	7.03	i+12.00 e+11.2	
Iunius. 1.		3.00	6.7	M	4.38	i+11.25 e+9.4	
Martius 23		62° 40' 20".00	5.9	S	27p e 2.65	i+7°.74 e+5.8	
24		19.25	8.0	S	2.77	i+7.0 e+2.8	
25	β.	19.75	9.0	S	1.55	i+6.75 e+3.0	
30		21.50	12.0	S	2.75	i+5.0 e+2.4	Limbus conversus ad Ortum
Aprilis. 2	Cephei.	12.75	2.2	M	0.82	i+5.5 e+2.8	
4		13.00	6.8	M	4.28	i+6.25 e+5.6	
12	Infra Polum	22.75	8.6	S	4.08	i+7.75 e+6.0	
14		21.75	9.5	S	4.58	i+7.75 e+5.4	
15		20.50	10.1	S	3.27	i+7.5 e+4.0	
20		19.00	3.1	S	8.25	i+7.5 e+6.4	
21		18.25	1.2	M	8.55	i+8.0 e+8.4	
22		22.75	5.3	S	7.03	i+9.0 e+11.2	
28		24.00	2.2	S	6.62	i+12.0 e+14.2	
29		22.25	0.5	S	7.23	i+13.0 e+13.8	
Aprilis. 20		29° 7' 50".00	8.4	S	27p e 8.05	i+7°.0 e+5°.8	
Maius. 1	γ	48.75	7.3	S	7.23	i+12.5 e+13.2	
6	Cephei	46.25	2.4	S	6.82	i+12.25 e+12.6	
Iunius 8		40.75	1.2	M	6.92	i+13.75 e+15.0	
9	Supra Polum.	43.75	0.1	S	6.12	i+15.0 e+16.4	
10		50.25	13.8	S	4.78	i+15.5 e+15.6	
18		40.75	3.6	M	3.27	i+13.75 e+13.0	
21		40.25	5.2	M	5.0	i+14.0 e+12.4	
Aprilis. 20	γ	55° 48' 49".00	8.7	M	27p e 8.75	i+7°.5 e+5.0	
21	Cephei	50.75	4.7	M	8.65	i+8.0 e+7.0	
22		59.75	6.4	S	7.13	i+8.75 e+9.8	
28	Infra Polum.	49' 0.00	3.4	S	7.49	i+11.5 e+11.8	
29		48 58.50	2.4	S	7.33	i+12.5 e+12.2	
30		57.00	2.1	M	6.93	i+13.0 e+13.0	
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OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Libella Mikadaba		Status Athmosphoerae: Barometricus	Thermometricus		Notae
Maius. 1		55° 48' 59".75	4.1	M	27 5.92	i+14.0	e+14.2	
5	γ	54.00	8.9	M	5.80	i+12.75	e+11.6	
6	Cephei	55.00	8.8	M	6.52	i+13.0	e+12.6	
31		55.0	7.7	M	3.48	i+12.0	e+15.2	
Junius. 1	Supra Polum	56.25	6.8	M	5.4	i+12.0	e+14.0	
6		58.0	4.8	M	4.68	i+13.5	e+18.4	
8		58.25	2.8	M	6.22	i+15.75	e+18.2	
Martius. 25		65° 6' 33".75	8.2	S	27p 1e.85	i+7°.0	e+4°.4	
30	δ.	33.25	11.3	S	2.55	i+5.2	e+3.2	
Aprilis. 2	Draconis	28.00	3.0	S	0.88	i+5.5	e+4.2	
4	Supra Polum	25.50	6.2	M	4.08	i+6.25	e+7.2	
13		32.75	8.6	S	3.88	i+8.0	e+7.4	
Aprilis. 2	δ.	19° 49' 46".75	4.1	S	27p 1e.33	i+4°.0	e+0°.4	
10	Draconis.	46.00	5.5	S	26 11.70	i+6.5	e+4.8	
11	Supra Polum	46.00	0.8	M	26 11.10	i+7.0	e+4.8	Limbus convexus ad Ortum
14		46.75	1.8	S	27 4.38	i+6.5	e+3.2	
15.		49.50	5.5	S	27 4.68	i+6.5	e+3.4	
Junius. 9		8° 3' 24.25	3.1	S	27 6.22	i+15.0	e+17.2	
10	α	27.75	6.5	S	4.88	i+15.5	e+16.8	
17	Cassiopeae	20.50	1.1	M	1.95	i+13.0	e+10.4	
18		26.50	4.3	S	3.37	i+14.0	e+12.8	
21	Supra Polum	21.50	2.2	M	5.1	i+13.75	e+13.6	
30		22.00	0.6	S	4.28	i+14.0	e+13.8	
Julius. 6		25.50	2.0	S	6.62	i+15.5	e+14.0	
9		25.75	1.7	S	6.32	i+15.25	e+14.0	
10		27.50	3.3	S	6.32	i+16.0	e+14.8	
Maius. 6	α	76° 51' 13".50	4.5	S	27p 6e.52	i+13.0	e+12.8	
31	Cassiopeae	9.25	5.0	M	3.58	i+12.0	e+13.6	
Junius. 1	Infra Polum	8.00	8.2	M	5.5	i+12.0	e+12.4	
4		12.75	3.6	M	6.32	i+14.0	e+19.2	
Aprilis. 20		10° 39' 55".00	10.0	S	27p 8e.15	i+7°.0	e+6°.2	
29	β.	51.00	1.7	S	7.93	i+11.2	e+12.4	
30		48.25	1.3	M	7.53	i+12.0	e+12.8	
Maius. 1	Cassiopeae	50.25	3.8	S	7.33	i+13.0	e+13.8	
6		49.50	3.2	S	6.82	i+12.5	e+12.8	
Junius. 8	Supra Polum	47.50	0.3	S	6.92	i+13.75	e+15.6	
9		47.75	1.9	S	6.12	i+15.0	e+17.0	
10		48.25	5.8	S	4.88	i+15.5	e+16.4	
15		42.25	0.2	M	1.85	i+12.5	e+10.2	
18		46.75	1.1	M	3.27	i+13.75	e+13.4	
21		49.5	1.9	S	5.1	i+13.75	e+12.8	

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM
ANNI 1824.

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae			Status Athmosphoerae			Notae
					Barometricus	Thermometricus		
Aprilis. 21		74° 15'	17".50	4.3 S	27p	8.e65	i+8°.0 e+7°.0	
22			18.75	3.6 S		7.23	i+8.75 e+9.2	
28			20.75	2.1 S		7.53	i+11.5 e+11.6	
29	Cassiopeae		22.50	3.2 S		7.33	i+12.5 e+12.0	
30			20.25	7.1 M		7.03	i+13.0 e+12.6	
Maius. 1	Infra Polum		24.75	3.1 M		5.92	i+14.0 e+14.0	
5			24.25	1.0 M		6.2	i+12.25 e+11.0	
6			24.75	1.8 S		6.52	i+13.0 e+12.6	
Iunius 1			16.0	3.7 M		5.5	i+12.0 e+13.8	
8			24.75	2.1 M		6.32	i+15.75 e+18.2	
Iunius. 8		12° 14'	45".75	9.4 S	27p	7.e03	i+14°.0 e+15°.8	
10	γ		53.00	11.2 S		4.88	i+15.5 e+16.8	
15			41.75	0.7 M		1.95	i+13.0 e+10.2	
18	Cassiopeae		44.50	0.6 S		3.37	i+14.0 e+12.8	
21			42.00	0.7 S		5.1	i+13.75 e+13.8	
30	Supra Polum		46.00	3.3 S		4.28	i+14.0 e+13.8	Limbus conversus ad Ortum
Iulius. 6			58.00	18.6 S		6.62	i+15.5 e+14.0	
9			48.75	1.5 S		6.32	i+15.25 e+14.0	
10			57.75	16.9 S		6.32	i+16.0 e+14.8	
Maius. 6		72° 40'	45".00	4.4 S	27p	6.e52	i+13.0 e+12.8	
7	γ		45.75	2.9 M		3.58	i+12.0 e+13.4	
Iunius. 1	Cassiopeae		37.50	4.2 M		5.5	i+11.75 e+11.8	
6			39.50	6.3 M		5.0	i+13.5 e+16.8	
4	Infra Polum		41.75	8.3 M		6.42	i+14.0 e+18.6	
8			45.75	3.5 S		6.12	i+15.75 e+17.6	
Aprilis. 30		7° 9'	33".50	2.8 S	27p	6.e92	i+13.00 e+13.0	
Maius. 1			32.25	2.8 S		5.92	i+14.00 e+14.2	
5			33.25	2.0 S		5.80	i+12.75 e+12.6	
6	γ Ursae maioris		32.75	4.2 S		6.52	i+13.00 e+12.6	
Iunius. 1			30.0	3.1 M		5.40	i+12.00 e+14.0	
6	Supra Polum.		31.50	4.0 M		4.68	i+13.20 e+18.4	
7			31.75	2.2 M		6.22	i+14.00 e+19.2	
9			36.75	4.4 S		5.30	i+16.75 e+18.8	
11			39.00	11.0 S		3.37	i+16.75 e+19.8	
16			33.00	2.4 S		2.45	i+14.75 e+18.4	
21			35.25	9.4 S		3.17	i+15.30 e+18.8	
Iulius. 1			32.75	3.1 S		3.87	i+15.25 e+16.6	
Maius. 31		8° 19'	55".75	3.9 M	24p	3.e68	i+11.75 e+13.0	
Iunius. 1	γ		55.25	2.3 M		5.5	i+11.75 e+11.4	
5	Ursae maioris		55.75	2.5 M		5.3	i+13.0 e+14.8	
6			55.25	2.3 M		5.1	i+13.5 e+16.2	
4	Supra Polum		57.00	0.6 M		6.52	i+14.0 e+17.4	

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Libella Levidata	Status Athmosphoerae: Barometricus	Status Athmosphoerae: Thermometricus	Notae
Junius. 8	ζ.	8° 19′ 60.25	4.5 S	6.12	i+15.5 e+17.2	
9	Ursae maioris	57.50	4.1 S	5.3	i+16.25 e+18.2	
16	Supra Polum.	60.00	6.5 S	3.47	i+16.5 e+18.2	
16		60.50	4.9 S	2.35	i+14.75 e+17.4	
Julius. 10		65.00	4.5 S	5.3	i+18.0 e+21.2	
Maius. 31		2° 40′ 49″.00	4.5 M	27p 3l.68	i+11.75 e+13.0	
Junius. 1		49.75	3.3 M	5.6	i+11.75 e+11.0	
5	ζ	49.75	1.0 M	5.3	i+13.0 e+13.8	
6	Ursae maioris	50.75	2.3 M	5.1	i+13.5 e+16.2	
7		50.25	1.8 M	6.52	i+14.0 e+17.4	
8	Supra Polum.	52.25	2.5 S	6.12	i+15.5 e+17.2	
11		56.75	3.0 S	3.47	i+16.5 e+18.2	
16		53.25	4.2 S	2.35	i+14.75 e+17.4	
20		50.75	3.3 M	4.9	i+14.5 e+15.8	
29		52.77	1.9 S	4.58	i+14.75 e+17.6	Limbus convexus ad Ortum
Julius. 4		57.25	3.9 S	3.37	i+17.0 e+20.0	
9		59.00	5.2 S	6.02	i+16.75 e+20.8	
Junius. 8		1° 42′ 57″.25	11.2 S	27p 4l.03	i+14.5 e+16.2	
10		52.75	4.9 S	4.78	i+16.25 e+17.6	
15	α Bexsei	50.50	2.9 S	2.05	i+13.25 e+12.2	
18		54.25	8.3 S	3.87	i+14.0 e+14.6	
21	Supra Polum	49.25	1.3 M	5.2	i+14.5 e+14.8	
Julius. 9		50.00	1.5 S	6.5	i+16.0 e+16.0	
Martius. 30		2° 51′ 23″.45	8.5 S	27p 2l.50	i+3.5 e+0.2	
Aprilis. 2		29.00	2.5 S	27 1.43	i+4.7 e+1.6	
10		28.45	5.0 S	26 11.60	i+6.4 e+5.6	
11	α	28.25	4.4 S	26 11.10	i+4.0 e+4.8	
14	Cygni	27.50	6.6 S	27 4.38	i+4.0 e+4.0	
15		25.45	6.4 S	4.68	i+4.0 e+4.2	
20	Supra Polum	29.45	9.0 S	4.43	i+6.5 e+4.0	
22		29.95	2.7 S	8.25	i+4.2 e+4.8	
27		30.50	4.4 S	4.03	i+8.25 e+4.6	
25		31.25	4.9 S	4.28	i+9.5 e+9.0	
29		31.00	1.0 M	4.63	i+11.0 e+9.6	
Maius 1		29.50	6.6 S	4.03	i+12.0 e+10.6	
2		28.25	8.2 S	4.48	i+13.0 e+11.2	
5		26.25	9.2 S	5.00	i+12.0 e+9.2	
Aprilis. 2		1° 42′ 41.25	4.6 M	27p 0l.93	i+5.75 e+4.6	
7	α	41.75	4.0 M	3.90	+6.5 +8.4	
10	Auriga	41 58.25	4.4 S	26 11.00	+9.0 +10.4	
12	Supra Polum	42 2.00	2.0 S	27 2.30	+7.5 +6.8	

OBSERVATIONES MERIDIANAE

DISTANTIARUM ZENITHALIUM

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Libella Alhidada	Status Athmosphoerae: Barometricus	Thermometricus	Notae
Aprilis. 20		1° 41' 58".00	11.0 5	27p 7.95	i+8°.0 e+8°.6	
28	α	42 5.50	0.2 5	6.62	+13.0 +16.2	
29	Auriga	3.00	1.2 5	7.63	+14.0 +17.8	Limbus
30	Supra Polum	3.50	5.1 5	4.23	+15.0 +16.0	ad
Maius. 1		1.38	6.2 5	6.42	+15.25 +17.2	Ortum
2		0.5	9.2 5	3.54	+16.0 +18.0	
5		9.0	0.6 M	5.30	+13.0 +15.0	
Maius. 11		40° 53' 24".19		27p 3.98	i+13.0 e+13.8	Observationes factae in Limbo ad Occasum conversо
13		46.53		3.37	i+13.25 e+14.8	
15		45.63		0.8	i+14.5 e+16.6	
16	α	45.87		2.75	i+14.25 e+13.2	
17	Ursae minoris	44.18		4.48	i+13.0 e+9.8	Columna quarta in harum Observationum Elencho vacua relicta est: ea sexta Columna distantias zenithales ab extremitatis, quas in constantia situs Alhidadae produxerat, purgatas complectitur, ubi ipse hae ex parte nullis correctionibus opus habeant.
19	Supra Polum	44.10		4.28	i+11.75 e+9.6	
21		42.37		5.2	i+12.7 e+13.2	
26		40.60		6.62	i+11.75 e+10.00	
28		41.49		7.43	i+11.0 e+10.8	
29		43.29		7.13	i+10.5 e+8.6	
Iulius 12		42.50		6.62	i+15.25 e+13.8	
13		42.82		6.93	i+16.0 e+14.6	
Maius. 9		24° 9' 12".24		27p 4.63	i+13.0 e+11.4	Basquichya
10		13.47		6.22	i+12.75 e+10.8	
12		12.63		3.98	i+12.5 e+9.8	
15	α	16.59		1.63	i+15.0 e+14.6	
18	Ursae minoris	15.80		4.28	i+12.5 e+8.8	
20		18.33		4.08	i+12.5 e+11.0	
22		19.63		3.27	i+13.0 e+12.6	
23	Supra Polum.	19.99		2.97	i+13.5 e+12.5	
24		17.45		2.15	i+13.25 e+12.6	
25		17.70		5.7	i+12.0 e+7.8	
27		19.05		6.52	i+11.5 e+8.0	
28		18.17		7.13	i+11.25 e+10.0	
Iulius. 14		19.86		6.42	i+14.25 e+20.2	
22		19.80		5.00	i+15.0 e+16.0	
23		14.34		6.42	i+15.0 e+16.4	
Maius. 9		15° 14' 3".76		27p 7.23	i+13.0 e+12.4	
15	α	3.07		1.52	i+15.5 e+16.6	
18	Ursae maioris	4.78		4.08	i+13.0 e+10.8	
20	Supra Polum	5.04		3.78	i+13.0 e+12.6	
25		6.41		5.3	i+12.5 e+11.4	
Iulius. 11		24° 24' 29".07		24p 5.86	i+17.6 e+18.4	
12	β	24.56		6.93	+16.75 +16.2	
14	Ursae minoris	26.80		6.52	+17.0 +19.6	
15	Supra Polum	27.92		5.00	+19.0 +22.4	
17		28.63		6.32	+18.0 +20.0	

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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Julius. 22		24° 24' 28".03	27P 5L.3	i+15°.0 e+16°.0	
23		29.23	6.52	+15.0 +15.8	
24	β.	26.48	6.42	+15.0 +15.6	
25	Ursae minoris	28.01	4.9	+16.0 +22.4	
24		24.52	5.6	+16.25 +16.2	
30	Supra Polum	26.36	5.2	+14.0 +19.4	
Augustus. 1		26.22	5.42	+19.5 +22.2	
2		30.24	5.92	+19.0 +23.2	
3		26.48.	4.03	+18.0 +18.6	
Julius. 13		54° 38' 21".16	24 6.93	i+16.5 e+16.4	
15		19.94	6.82	+16.0 +16.4	
24		18.09	4.53	+14.25 +16.8	
26	β	21.12	5.4	+15.25 +14.6	
24	Ursae minoris	22.48	5.4	+15.5 +16.2	
29		18.58	8.24	+14.75 +12.4	
30	Infra Polum	18.50	6.82	+15.5 +12.6	
31		19.95	4.48	+16.0 +15.4	Limbus convexus ad Occasum.
Augustus. 1		22.59	5.42	+14.0 +14.6	
2		20.21	6.32	+18.0 +14.4	
3		20.52	6.32	+14.0 +14.2	
4		19.87	8.05	+16.25 +14.2	
Maius. 10	α	14° 22' 27".74	27 8.45	i+11.75 e+8.8	
11	Cephei	25.00	4.38	i+11.25 e+8.8	
15	supra Polum	24.63	0.52	i+13.75 e+14.0	
19		26.48	4.18	i+10.75 e+6.40	
Maius. 15	γ	29° 10' 45".44	27 0.52	i+14.0 e+15.4	
18	Cephei	45.58	4.28	i+11.0 e+8.4	
21		47.01	5.0	i+12.0 e+11.6	
26	Supra Polum	45.5	6.52	i+11.0 e+8.8	
Maius. 9		55° 52' 1".45	27 7.43	i+13.0 e+12.0	
10	γ	3.82	6.32	i+12.75 e+11.6	
15	Cephei	3.74	1.53	i+15.0 e+15.6	
18		2.43	4.08	i+12.5 e+9.6	
20	Infra Polum	5.98	3.78	i+12.75 e+11.6	
21		3.8	4.18	i+13.25 e+14.8	
24		5.46	2.25	i+13.5 e+14.0	
25		3.53	5.4	i+12.25 e+10.8	
26		2.14	6.22	i+11.5 e+8.8	
Maius. 26		8° 6' 26".52	24P 6.62	i+11.75 e+9.2	
24	α	27.31	7.43	i+11.0 e+10.8	
28	Cassiopeae	28.51	7.13	i+10.5 e+8.4	
Junius. 12		32.58	6.62	i+13.5 e+13.2	
13	Supra Polum.	29.30	7.05	i+16.0 e+14.2	

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DISTANTIARUM ZENITHALIUM

ANNI 1824

Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Maius. 9		76° 54' 10".65	27P 4L.63	i+13.0 e+11.6	
10	α	10.92	6.22	i+12.75 e+11.2	
15		21.78	1.63	i+15.0 e+15.0	
18	Cassiopeae	13.79	4.18	i+12.5 e+9.0	
20		13.05	3.98	i+12.75 e+11.0	
21	Infra Polum	18.48	4.28	i+13.25 e+14.0	
25		9.24	5.6	i+12.0 e+8.6	
26		13.31	6.42	i+11.5 e+8.4	
24		13.21	7.03	i+11.25 e+10.2	
Maius. 11		10° 42' 49".16	27 4.08	i+12.25 e+12.6	
15	β	50.56	0.52	i+14.25 e+15.6	
19	Cassiopeae	52.65	4.28	i+11.5 e+8.8	
21		52.77	5.1	i+12.25 e+12.2	
26	Supra Polum	49.80	6.62	i+11.5 e+9.4	
28		50.84	7.03	i+10.5 e+7.8	
Maius. 9		74° 18' 21".94	27 7.43	i+13.0 e+12.0	
10		25.92	6.32	i+12.75 e+11.6	
12		24.53	3.98	i+12.5 e+10.4	
15	β	25.71	1.53	i+15.0 e+15.4	
18	Cassiopeae	21.84	4.08	i+12.5 e+9.2	
20		21.39	3.88	i+12.75 e+11.6	
21		28.39	4.18	i+13.25 e+14.2	
24	Infra Polum	28.67	2.15	i+13.5 e+15.4	Limbus conversus ad Occasum
25		22.39	5.5	i+12.0 e+9.2	
26		23.45	6.32	i+11.5 e+8.6	
24		23.42	6.32	i+11.5 e+8.0	
28		25.39	4.03	i+11.25 e+10.8	
Maius. 26	γ	12° 14' 44".53	27P 6L.62	i+11.75 e+9.8	
24	Cassiopeae	47.80	7.43	i+11.0 e+10.8	
28	Supra Polum	48.61	7.13	i+10.5 e+8.5	
Iulius. 13		51.53	7.05	i+16.0 e+14.2	
Maius. 9		42° 43' 39".14	27P 4L.63	i+13.0 e+11.6	
10		40.54	6.22	i+12.75 e+11.2	
15	γ	48.61	1.63	i+15.0 e+15.0	
18		39.16	4.18	i+12.5 e+9.0	
20	Cassiopeae	41.29	3.98	i+12.75 e+11.0	
21		44.59	4.28	i+13.25 e+14.0	
24	Infra Polum	48.17	2.15	i+13.25 e+12.8	
25		40.37	5.7	i+12.0 e+8.0	
26		39.88	6.52	i+11.5 e+8.2	
24		40.74	7.03	i+11.25 e+10.2	
Maius. 9		7° 12' 34".38	27P 4L.43	i+13.0 e+12.0	
10	γ	35.34	6.32	i+12.75 e+11.60	
12		33.56	3.98	i+12.50 e+10.40	
15	Ursa maioris	36.09	1.53	i+15.0 e+15.6	
18		36.82	4.08	i+12.5 e+9.6	
20		37.58	3.76	i+12.75 e+11.6	
21	Supra Polum.	36.61	4.18	i+13.25 e+14.8	
25		40.85	5.4	i+12.25 e+10.8	
26		39.14	6.22	i+11.5 e+8.8	
24		39.62	6.93	i+11.5 e+11.0	

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DISTANTIARUM ZENITHALIUM
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Menses, et Dies	Nomina Astrorum	Distantiae a Zenith observatae	Status Athmosphoerae		Notae
			Barometricus	Thermometricus	
Maius. 10		8° 22' 52".46	24P 6.22	i+12.75 e+11.20	
12		56.20	3.98	i+12.5 e+9.8	
15	ζ.	56.82	1.63	i+15.0 e+15.0	
18	Ursae maioris.	56.62	4.28	i+12.5 e+8.8	
21		60.97	4.08	i+13.25 e+13.6	
22	Supra Polum	58.95	3.27	i+13.0 e+12.6	
23		58.99	2.97	i+13.5 e+12.5	
24		60.32	2.15	i+13.25 e+12.6	
25		60.00	5.8	i+12.0 e+7.8	
26		61.73	6.52	i+11.5 e+7.6	
Maius. 10		2° 43' 44".54	24P 6.22	i+12.75 e+11.2	
15		53.95	1.63	i+15.0 e+14.6	
18	ν	51.89	4.28	i+12.5 e+8.8	
20	Ursae maioris	55.83	4.08	i+12.5 e+11.0	
21		57.28	4.08	i+13.25 e+13.6	
22		53.79	3.27	i+13.0 e+12.6	
23	Supra Polum	58.91	2.97	i+13.5 e+12.5	
24		59.03	2.15	i+13.25 e+12.6	
25		57.91	5.8	i+12.0 e+7.8	
26		59.70	6.52	i+11.5 e+7.6	Limbus convexus ad Occasum.
Iulius. 15		1° 45' 56.30	24 6.82	i+16.0 e+16.6	
24		55.82	4.53	+14.25 +11.8	
26		55.92	5.70	+15.25 +14.6	
24	α	58.45	5.70	+15.5 +16.2	
29	Bexsei	55.31	4.53	+15.25 +13.2	
31		55.25	4.48	+16.0 +15.6	
Augustus. 1	Supra Polum	54.28	5.82	+17.0 +17.8	
2		55.75	6.32	+18.0 +17.8	
3		55.24	6.32	+17.5 +14.6	
4		58.46	8.05	+16.75 +14.2	
6		55.09	6.22	+17.00 +14.0	
Iulius. 24		1° 39' 10.63	24 4.53	i+14.5 e+13.0	
26		10.37	5.8	+15.75 +15.8	
29	α	13.00	8.35	+15.75 +14.0	
30	Auxigo	13.64	6.52	+16.0 +14.8	
31		11.29	4.58	+16.5 +16.8	
Augustus. 1	Supra Polum	13.26	5.82	+17.00 +18.0	
2		13.23	6.40	+18.5 +19.2	
3		11.64	6.22	+17.5 +14.8	
4		13.83	8.15	+16.5 +15.6	

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DISTANTIARUM ZENITHALIUM

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

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DISTANTIARUM ZENITHALIUM
ANNI 18

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

declinatio	
1. Ursæ maioris	
+ 0".400	
0.485	
0.512	
0.427	
0.385	
0.246	