

131

Manuale observationum

(ad)

Circulum Meridianum

V. 1844.

	1	2	3	4	5	6	7	8	9	10	11	12	
β Tauri. 4.8	13.5	22.6	32.3	42.1	17	5	Nulla informes & tremulantes.						
α Orionis. 23.4	31.8	40.0	48.0	56.7	17	5							
δ Urs. min. 27.5	33.5	10.0	25.0	44.7	6	6	δ Urs. min. propter nebulas saepe disparat.						
	20	21	25	25									
	27.2	19.0	—	—	51.0								
α Can. mj. 54.7	3.4	11.5	20.3	29.0	39	6	β Orionis - 52.11						
							β Tauri 52.03						
α Gem. seq. 15.4	24.8	34.2	44.1	54.3	25	7	α Orionis 52.17						
							α Can. mj. 52.24						
α Can. min. 47.1	55.3	3.2	11.5	20.3	32	7	α Gem. seq. 52.39						
							α Can. min 52.09						
β Geminae. 23.6	32.5	41.8	51.0	0.6	27	7	β Geminae 52.38						
Veneris δ I 12.4	20.8	28.0	37.5	46.4	13	9	β 29' α - 52.225 Acc. 1.7/15						
29. Solis L. II.	—	—	53.6	1.7	10.5	11	12						
			53.6	1.7	10.5	11	12						
α Coron. bor. 41.7	50.7	59.8	9.3	18.7	29	15							
α Serpenbij 14.4	22.6	30.6	38.9	47.8	37	15							
ϵ Urs min. 53.5	54.4	53.6	55.0	59.0	4	17							
	43.0	5.2	—	42.7	6.2								
α Herculis 11.0	19.6	27.8	36.5	45.2	8	17							
α Phiuchi —	—	37.7	46.0	54.7	28	17	+ 16.1 - 21.9						
							16.1 - 21.6						
γ Drae. 27.7	41.0	52.7	7.0	20.6	54	17	L. II - 26.						
δ Urs min. 42.0	0.0	14.0	33.2	57.5	18								
	20	21	25										
	35.0	24.7	—	7.4	—								

	1	2	3	4	5	6	7	8	9	10	11	12
	19.0.5	4	3	6	58.28	18.3	15.0					+ 11.00
	40.5.20	20	20	21	58.25	18.8	15.4					+ 9.88
	314.5.30	28	29	30	58.10	19.2	15.0	27.521	15.1			+ 9.68
	63.56.57	57	58	57	58.35	18.1	16.1					+ 9.80
	15.15.0	0	0	0	57.84	20.8	13.6	27.529	15.1			+ 10.48
	41.50.32	30	30	32	57.80	20.4	14.0					
	19.4.20	20	30	32	57.90	20.1	14.1					+ 10.60
	33 31	27	27	27	29	58.10	18.3	15.5	27.548	+ 15.5	+ 12.04	L. A
	48 23	46	44	46	45	57.80	19.0	13.4	27.543	+ 16.8	16.02	9 41 L. A.
	20 13	21	20	28	32	57.75	19.1	12.1	27.507	+ 17.5	+ 17.92	
	40 32	30	30	29	30	57.70	19.6	12.0				+ 17.96
	325 11	46	45	46	48	58.18	18.6	12.9				
	32 53	29	26	25	28	58.40	16.1	15.0	27.510	17.4	+ 16.74	
	34 47	2	2	2	4	58.47	16.0	13.4				16.32
	355 57	35	36	37	40	58.14	18.0	13.5				15.78
		10	10	11	11	58.26	17.9	14.0				
	320 53	8	10	10	10	58.40	17.1	14.3				

57.94 Sig. 6 A 14.0

58.12 Sig. 0 A 15.4

M 58.605
In. 47.52

58.04 Sig. 9 A 15.6

57.94 S. 19.0 A 15.0

57.90 S. 18.8 A 12.8

58.28 S. 17.1 A 14.1

58.35 S. 16.5 A 14.8

M. F. 58.605

Ep. 25

α Lyrae	14.5	24.8	35.0	45.7	56.7	32	18
α Capric. 1	40.7	49.1	57.3	5.8	—	—	—
α Capric. 2	—	13.2	21.3	29.7	38.6	10	20
Saturni	1.6	—	19.0	—	36.9	13	20
II	—	11.5	—	29.3	—	—	—
ϵ Urv. min	48.5	51.7	53.1	52.5	54.0	4	5
	40.3	2.5	—	42.4	2.8	—	—
β Orionis	43.6	51.6	0.2	8.4	16.6	8	5
β Tauri	6.0	15.3	24.5	33.8	40.7	17	5
α Solis L I	6.4	14.5	22.4	30.6	41.4	12	12
α Urv. min	54	0	5	10	—	—	—
	47.2	8.2	19.7	19.0	—	—	—
	59	14.5	7.7	—	—	—	—
α Coron. bor.	43.3	52.4	1.4	10.7	20.3	29	15
α Serpentis	15.7	24.0	32.0	40.5	48.9	37	15
α Scorpii	30.7	39.8	48.6	38.0	7.5	21	16
ϵ Urv. min	54.6	56.0	55.4	55.7	59.7	4	18
	44.2	6.4	—	44.8	7.6	—	—

ϵ Urv. min $a = -0.284$
 δ Urv. min $a = -0.355$
 α Lyrae $a = -0.320$
 $b = -0.386$
 $c = -0.026$
 α Cor. bor. -52.65
 α Serpentis 52.60
 α Menalis 52.66
 α Cygnus 52.83
 γ Draconis 52.64
 α Lyrae 52.92
 α^1 Capricor. 52.91
 α^2 Capricor. 52.95
 $17^h 49'$ $x = -52.782$ Acc. a 24-25 1.458
 β Orionis -53.517
 β Tauri 53.55
 $5^h 13'$ $x = -53.53$

Fertb. $0^h 9'$ $x = +4'$ 47.44 $\text{Prel. } 0.805$
 merid. 26. $23^h 55'$ 11.76

Calminante Solis L II. nubes. * loco 41.4 debet esse 39.4

9	11	10	11	58.30	17.8	14.0	—	—	20	35	
10	10	12	12	58.28	17.9	14.0	—	—	25	7	
8	10	9	10	58.46	17.1	14.4	27.510	17.0	—	27	45
8	49	30	27	28	30	58.48	16.7	16.0	15.08	—	—
60	28	5	7	5	6	58.30	17.1	15.0	—	—	—
68	2	33	33	32	33	58.14	17.9	14.3	27.520	16.4	14.26
309	46	55	55	54	56	58.30	17.9	16.1	—	—	—
55	50	14	13	14	14	58.50	17.0	16.0	27.500	15.7	+11.42
19	0	8	6	4	6	58.17	18.4	14.9	—	—	+11.54
49	5	10	10	10	10	58.38	17.6	16.3	27.620	15.5	+12.20
20	19	20	19	19	19	58.58	17.0	17.0	27.647	15.5	+12.42
315	58	24	22	23	24	58.20	18.1	15.8	—	—	54'20
26	23	25	25	25	25	58.43	17.9	16.0	—	—	56.22
25	22	23	22	22	22	58.58	17.0	16.9	—	—	1'7
20	13	35	35	35	36	58.40	17.0	16.7	27.665	16.7	+12.57
40	32	32	33	31	33	58.17	17.0	16.6	—	—	+12.48
73	30	21	22	21	22	58.08	18.1	15.5	27.678	+15.7	12.40
325	11	49	48	48	50	58.15	18.7	15.0	—	—	11.88

58.28 S. 17.0 A 15.1

Centr.

{ 58.30 S. 17.7 A 15.6 }
 M.F. 58.588

L. A.

58.08 S. 18.4 A 15.5

58.20 S. 17.9 A 16.0

58.30 S. 17.7 A 16.1

58.14 S. 18.1 A 16.1

27.

α Coron. bor.	44.2	33.6	2.5	11.8	21.3	29	15
α Serpentis	16.8	25.2	33.2	41.5	49.9	37	15
α Scorpii	32.0	41.0	49.5	59.0	8.4	21	16
α Mercurii	13.6	22.0	30.3	38.8	47.6	8	17
α Ophiuchi	23.4	31.7	40.0	48.5	57.4	28	17
γ Draconis	30.3	43.5	56.0	9.4	23.0	54	17
δ Urs. min.	42.4	2.2	14.0	33.6	58.3	18	
	20	21	23	25	27		
	35.5	26.2	-	8.5	0.0		

α Urs. min. Def. $\gamma_a = -0.396$
 δ Urs. min. Def. $b = -0.390$
 $c = -0.026$

α Cor. bor. - 55.25
 α Serpent. 55.02
 α Scorpii 54.92
 α Mercurii 55.09
 α Ophiuchi 55.24
 γ Draconis 55.11
 α Lyrae 55.16
 α^1 Capric. 55.06
 α^2 Capric. 55.20

$17^{\circ}39' \alpha = -55.117$ Ac. 1.021.

Falt. $0^{\circ}4' \alpha = +4^{\circ}49'12$ Rel. $0^{\circ}49$

α Lyrae	16.5	27.0	37.5	48.0	58.9	32	18
α^1 Capricor.	42.7	51.5	59.7	7.8			
α^2		15.5	23.6	32.1	40.5	10	20
Saturni Lt	57.6		14.6		32.6	13	20
II		6.3		23.1			
19.4	29.1	38.0	48.0	57.8	25	7	

F N S B L C I II

19	20	20	20	58.20	17.9	16.1				+12.74	6	51	
21	20	20	20	58.38	17.2	16.7	27.790	15.5		+12.74	8	11	
22	21	22	21	57.92	18.0	16.0					13	5	
20	13	32	33	32	33	58.32	16.1	17.2	27.760	16.7	+12.32		
40	32	31	32	30	32	58.30	16.9	16.9			+12.00		
73	30	22	23	22	22	58.38	16.0	17.6	27.735	15.7	+12.66		
32	33	21	20	20	23	57.90	18.9	15.1			+12.28		
34	47	0	0	0	3	58.50	16.4	17.5			+12.08		
35	57	37	38	37	40	57.98	18.0	16.1			+11.14		
		12	14	13	13	58.22	17.8	16.7					
320	33	8	10	10	11	58.03	18.0	16.1					
		10	12	12	12	58.06	18.0	16.0					
		12	10	11	12	58.30	17.2	17.0					
		10	11	11	11	58.37	17.0	17.2	27.751	15.1	27'30		
8	49	28	28	28	29	58.00	17.8	16.7					
60	28	2	3	0	2	57.94	18.5	16.9					
68	2	59	58	58	58	58.47	16.5	18.9	27.751	+14.3	+9.82		
15.15.0	0	1	2	58.46	18.4	17.9	27.725	+12.7	+6.90				

58.10 S 17.3 A 16.0

58.00 S 17.9 A 16.9

58.18 S 17.1 A 17.0

58.20 S 17.2 A 17.0

M.F. 58.202

58.20 S 16.6 A 18.5

Centr.

58.00 S 16.0 A 1

	1	2	3	4	5	6	7	8	9	10	11	12
28. Septbr.	17.7	28.4	38.5	48.8	0.2	32	18					
α Lyrae	17.7	28.4	38.5	48.8	0.2	32	18					
γ Aquila	34.6	42.9	50.7	58.8	7.5	40	19					
α Aquilo	54.4	2.7	10.9	19.2	27.5	44	19					
β Aquila	23.1	31.6	39.5	47.7	56.0	48	19					
α Capricorn	44.2	52.7	0.9	9.4	-							
α ²	-	16.3	24.6	33.0	41.7	10	20					
Salurnia I	35.7		12.8		30.4	13	20					
II		5.9		23.3								
29. Solis α I	59.5	7.8	15.2	23.8	32.7	23	12					
II	8.4	16.7	24.6	32.8	41.5	25	11					
α Urs. min.	54.0	0	5	10	15							
	59	1		9	11							
	19.2	14.5	-	34.7	25.0							
α Orion. bor.	46.5	55.7	4.8	13.8	23.6	29	15					
α Serpentes.	19.3	27.6	35.7	43.8	52.6	37	15	18.0-22.8				
								17.0-23.2				
α Scorp. II	59.3	43.4	52.2	1.6	10.9	21	16	Wh. - 3.0.				
α Heruly.	15.8	24.4	32.6	41.0	49.8	8	17					

	1	2	3	4	5	6	7	8	9	10	11	12	
	8	9	7	11	57.96	18.1	16.1	27.630	15.1	12.22	27.47		
	8	19	28	28	30	58.28	16.9	17.3		+12.22			
	37	13	15	12	13	16	58.28	16.5	18.0			58.00 S. 17.2 A 17.0	
	38	59	49	45	46	47	58.28	16.3	18.0				
	41	23	4	2	2	4	58.28	17.0	17.6	27.621	14.8	+11.82	
	60	28	3	0	2	2	57.90	18.9	16.0				
	68	3	5	4	3	5	57.94	18.8	16.0	27.622	14.7	+11.40	Centr.
	49	43	21	20	20	21	58.02	17.6	17.1	27.527	15.0	14.20	23 51 L.B.
	"	"	"	"	"	"	"	"	"	"	"	"	
	19	19	19	19	19	19	58.20	17.0	17.3	27.505	15.2	+14.56	57.73 S 18.3 A 16.1
	315	58	24	23	24	24	57.85	18.2	16.1				54' 2"
	22	22	22	22	22	22	58.02	18.0	16.3				56 32
	20	20	20	20	20	20	58.13	17.0	17.2				59 42
	19	19	19	19	19	19	58.20	17.0	17.3				2' 36
	20	13	30	30	30	31	57.75	18.1	15.1	27.466	+13.7	+15.88	57.94 S 17.2 A 16.1
	40	32	30	30	29	31	58.18	16.9	17.3			+15.52	
	73	30	29	28	28	29	58.10	16.2	16.9	27.451	15.9	+15.26	
	32	53	24	24	23	24	58.16	16.3	17.0	27.440	15.8	14.60	57.94 S 17.1 A 16.0

29. α Ophiuchi	25.3	34.3	42.5	50.9	59.6	28	17
γ Draconis	32.6	45.6	58.5	11.7	25.5	54	17
δ Urt. min.	49.7	1.7	16.0	35.2	54.0		18
	37.2	26.3	—	9.5	59.7		

α Urt. min Inf. } $a = -0.441$
 δ Urt. min Sup. } $b = -0.356$
 $c = -0.026$

- α Cor. bor. 57.50
- α Serpent. 57.52
- α Scorpi 57.41
- α Mercury 57.37
- α Ophiuchi 57.70
- γ Draconis 57.49
- α Lyra 57.69
- γ Aquila 57.44
- α — 57.65
- β Capricorni 57.52
- α Capricorni 57.55
- α Capricorni 57.56

18° 10' α — 57.542 Arc. 1.225

Fertb. 0.1' + 4' 50.14 Rel. 0.55

α Lyrae	19.2	29.7	39.8	50.3	1.2	33	18
γ Aquila	35.8	40.8	52.0	0.4	9.0	40	19
α —	55.7	9.9	12.1	20.3	28.8	44	19
β —	24.6	32.7	40.8	48.9	57.4	46	19
α Capricor.	45.6	53.4	2.0	10.6	17.8		
α Capricor.	29.9	34.4	25.9	34.4	43.0	10	20
Saturnus I	54.7		11.5		29.7	13	20
II.	4.8		21.7				

30. α Gem. pr.	22.3	32.7	41.0		1.2	26	
Seq.	32.7	51.4	51.4	2.2	20	7	
α Cen. min.	54.6	2.8	10.7	19.3	27.5	32	7
β Geminor.	30.8	40.2	49.1	58.6		37	7

F W P B 1 2 1 11

37.13.																			
38.59	2	2	2	3	67.82	19.2	16.2												
39.51	3	40	42	40	41	58.00	18.9	16.9	27.513	14.0	+14.92.								
2 13	12	12	10	15	58.10	19.3	19.1	27.353	+11.6										
4 52	59	49	46	46	48	58.18	19.1	19.1			+9.68								
3 26	7	6	4	8	58.08	19.9	18.7												
60 28	3	2	2	2	57.88	20.7	18.0												
68 3	27	27	27	28	58.18	19.2	19.1	27.352	+11.6	+9.00									
3 50	50	50	46	50	58.35	19.0	19.7	27.273	+11.6	+8.06									
67.5	24	21	21	23	58.45	19.3	19.5												
68.29	18	16	16	18	58.35	19.0	19.8	27.271	+11.5	+7.98									
3 59	58	58	0	58.38	19.3	19.4													
15.1	28	26	26	29	58.20	20.0	18.9			+7.60.									
41.57	17	17	17	20	58.24	20.0	19.0			+7.60.									
19.4.	16	16	16	16	57.80	21.9	17.0	27.280	+11.4	+8.04	(Merid.)								
	8	9	10	10	57.84	21.4	17.5				54' 17"								

57.84 S. 19.4 A. 16.1

Centr.

57.70 S. 21.1 A 17.3
M 58.260

57.78 S. 21.0 A 17.2

Centrum

L.A. 57.95 S. 20.6 A 18.1

M 58.345

58.08 S. 20.4 A 18.5

58.10 S. 20.5 A 18.3

Octob.	1	h					
23. Saturni I. 23.5	41.0	59.2	14	20			
II. 33.7	51.4						
α Cygni	13.7	25.6	36.5	48.0	0.5	38	20
	37.3	46.0	54.3	2.0	12.4	44	21
	41.5	42.5	51.6	0.3	9.4	48	21
α Aquarii	1.4	9.8	17.8	25.9	34.6	59	21
Luna LI	55.9	4.3	12.3	21.0	29.5	19	23
Jupiter LI	24.3	39.9		57.4		46	23
II. 36.3	52.3						
α Andromedae	32.6	43.0	52.2	1.4	11.5	2	0
γ Pegasi	27.8	36.5	44.7	53.6	2.0	7	0
α Cassiopeiae	46.2	0.5	14.5	29.7	44.6	33	0
α Ursae min.	37.5	48.0	49.7	2.5			
	53.2	41.7		0.2	56.8		
Oct. 29 α Ursae min.	3.5	22.0	39.3	56.6	15.3	56	10
Veneris L. II	23.5	31.6	39.3	46.4	56.7	36	11
β Leonis	—	34.0	42.5	51.2	59.8	42	11
γ Ursae min.	43.6	37.9	11.5	25.6	40.5	47	11

a = -0.638
 b = -0.255
 c = -0.026

γ Aquila ... - 1' 26.79
 α Aquila 26.68
 β Aquila 26.67
 α Cygni 26.73
 α Aquarii 26.93
 α Androm. 27.10
 γ Pegasi 27.01
 α Cassiope. 26.98
 21^h 49' α = -1' 26.861
 Annot. 0.158.

Ferth. 0^h 5' α = + 4' 56.54 Annot. 0.17
 Merid. 23. (23^h 55' 3.73.)

F	N	P	Q	L	E	I	II	
8	0	30	32	31	32	58.37	20.0 18.1 27.560 +12.1 +9.62	
44	20	21	21	24	58.30	20.2 18.0	9.60	
7	31	27	27	28	30	58.80	21.9 16.4	
27	50	32	30	30	34	58.33	20.0 18.1 27.580 +11.9 9.60	
18	31	34	34	32	36	58.33	20.2 18.0 9.60	
24	0	0	0	2	58.10	21.0 17.6 27.595 +11.8 8.42	20 18 L.A. 58.14 S 20.8 A 17.8	
0	45	50	49	49	52	57.86	22.0 16.5 27.597 11.7 8.16	L.B. 58.08 S 21.0 A 17.4
13	56	55	55	58	45	15		
7	13	56	55	55	56	58.43	20.3 18.1	
8	23	23	23	25	57.95	21.9 16.8	8.12	
1	47	17	18	18	20	58.37	20.2 18.3 7.62	58.12 S 21.1 A 17.4
9	0	15	15	16	16	58.35	20.4 18.1 27.600 11.6 7.64	58.07 S 21.5 A 17.0
7	7	8	9	58.30	20.5 18.1	54 51	M 58.603	
10	10	10	11	58.00	21.3 17.2	57 47		
10	11	11	11	57.95	22.0 16.7	59 21		
44	53	50	51	52	57.83	23.0 17.8	27.400 +9.7 +3.00	57.80 S 22.9 A 18.0
43	37	2	1	0	2	58.30	21.5 19.7 27.402 +9.7 +4.00	L.A. 58.06 S 22.0 A 19.0
32	1	38	39	39	40	57.80	23.9 17.1 +4.02	M 58.498
352	55	22	23	27	24	57.90	23.3 17.9 +4.06	

Entr.
 57.95 S 21.8 A 16.5
 57.90 S 21.3 A 16.9
 L.A. 58.14 S 20.8 A 17.8
 L.B. 58.08 S 21.0 A 17.4
 58.12 S 21.1 A 17.4
 58.07 S 21.5 A 17.0
 M 58.603
 57.80 S 22.9 A 18.0
 L.A. 58.06 S 22.0 A 19.0
 M 58.498

Oct.	55	1	11	16	1	h
29. α Urt. min	12.0	8.0	18.0	17.0	30.5	13
	0	2		10	12	
	15.0	4.5	—	21.0	19.5	
α Virginis	19.5	27.3	36.0	44.3	53.0	18 13
Mercurii L. II	21.6	29.7	38.3	46.4	55.4	43
α Bootis	51.7	0.6	9.1	17.6	26.7	10 14
30. Solis L. I	18.0	26.7	35.0	43.3	52.0	19 14
L. II	31.7	40.6	48.7	57.4	6.2	22
α Cor. boreal.	22.7	31.9	40.7	50.3	59.7	29 15
α Herculis	52.3	0.7	8.7	17.3	26.4	9 17
γ Aquila	11.6	20.2	28.3	36.5	45.1	40 19
α Aquila	31.6	39.9	47.7	56.0	4.6	45 19
β Aquila	0.5	8.9	16.4	24.7	33.4	49 19
α Capricorn	21.5	29.8	38.0	46.5	55.7	11 20
α ² —	—	53.7	2.0	10.5	19.3	11 20
Saturni L. I	13.0	0.2	—	18.0	16	20
II	52.7	—	10.5	—	—	—
4 Nov.						
α Herculis	56.7	5.4	13.6	22.0	30.9	9 17

α Urt. min $\alpha = -0.310$
 α Virg. $\beta = -0.248$
 $\gamma = -0.026$
 α Urt. maj. $\alpha = -1' 33.80$
 β Leonis 33.54
 γ Urt. maj. 33.58
 α Virginis 33.75
 α Bootis 33.85
 α Cor. bor. 33.91
 α Herculis 34.08
 γ Aquila 33.98
 α — 33.82
 β — 33.78
 α¹ Capric. 33.83
 α² Capric. 33.88

 16' 11" α = -1' 33.817
 Accel. durm. 0".896
 Feb. 23^h 59' α = +4' 55".88 Acc. 0".08
 (Merid. 30. Oct. 23^h 55' 4".12)

32	31	32	32	57.75	22.4	17.3	27.394	+9.8	+5.24	F. 58.00	S 22.5	A 18.5
15.58.37	37	38	38	57.75	23.0	18.0					56.1	
36	35	37	37	58.00	22.8	18.1					57.36	
32	31	32	32	57.70	22.9	18.1					2.26	
32	31	32	32	57.70	22.5	17.4					h. 10	
7 48	3	0	1	2	58.28	21.0	19.8				+5.40	
26	10	10	9	10	58.20	21.1	19.4	27.390	+10.0	+5.72		Cent.
28	25	27	27	30	58.10	21.2	19.1			+5.82		F 57.86
37	18	18	20	18	57.68	22.6	17.9	27.384	+10.2	+5.88	20.12	L. II
13	38	38	38	40	57.70	23.1	17.0	27.374	+10.5	+5.80		
2.53.25	25	25	25	28	58.24	20.5	19.2	27.400	10.5	P.08		F 57.75
7 10	10	11	10	12	57.80	23.5	17.3					F 57.86
8 59	46	44	46	47	58.30	21.5	19.5					F 57.86
11 26	4	2	4	4	58.38	21.9	19.6	27.431	9.6	+5.15		
0.28.2	2	1	3	3	58.12	23.1	19.1					F 58.10
7.56.52	51	52	52	52	58.45	22.0	20.4	27.420	9.2	+4.44		M 58.547
53	29	28	28	30	58.00	19.9	21.7	27.094	9.5	+10.88		F 57.66

Nov.								
4	α Ophiuchi	15.0	23.3	31.6	40.4	29	17	+24.1 - 26.7 23.0 27.6
	γ Draconis	12.5	25.5	38.9	51.7	5.5	55	Ar. - 5.7 bene.
	δ Urs. min.	5.5	23.3	37.0	56.3	19.6	18	a = -0.777 b = -0.224 c = -0.026
		58.6	47.8	—	33.0	21.0		
	α Lyrae	59.5	9.7	20.0	30.8	41.6	33	18
	γ Aquilae	16.6	24.8	33.0	41.3	50.0	40	19
	α Aquilae	36.5	44.6	52.7	1.1	9.8	45	19
	β Aquilae	5.3	13.6	21.7	29.9	38.6	49	19
	α^2 Capricorni	50.6	58.7	6.9	15.4	24.1	11	20
	Saturni L ¹	45.5	58.7	2.7	15.4	20.8	17	20
	L ²	55.7	12.9					
10	α Capri.	35.3	43.5	51.7	0.1	7.5		
	α^2 Capric.	15.6	23.7	32.5	32.5	11	20	
	Saturni L ²	15.3	32.7	52.4				
	II.	25.3	42.8	52.4	18.	20.		
	α Cygni	34.6	45.9	57.0	8.7	—	38	20

α Herculis - 1' 38.79
 α Ophiuchi 38.93
 γ Draconis 38.84
 α Lyrae 38.95
 γ Aquilae 38.90
 β Aquilae 38.90
 γ Aquilae 38.93
 α^2 Capricor. 38.95

18^h 49^m x = -1' 38.899
Arct. 0.994
Jorb. 0^h 5' x = +4' 54.02 Arct. 0.37
Merid. 5. Nov. 23^h 55' 6.35.

24	47.2	0	2	5	57.83	20.7	20.4											+11.02	J. 57.80 A 19.5 S 21.8.
25	37	40	42	42	45	57.55	22.5	18.2										+10.68	J. 57.80 S 22.1 A 18.5
	14	15	14	15	57.60	23.8	17.0												J. 57.80 S 22.1 A 18.5
20	53.10	11	13	13	57.64	22.9	18.0												18. 56
	13	14	14	14	57.63	23.8	17.0												21. 23
	13	14	14	15	57.60	23.7	17.0												25. 19
	12	14	13	14	57.75	22.9	17.8	27.080	+9.8	+10.28	27.	52							No 58.224
19	49.30	30	30	31	57.60	23.8	17.9												
7	13.14	14	14	17	58.12	20.9	19.8	27.080	+9.7										J. 57.67 S 22.5 A 18.1
8.	59	46	48	50	58.14	20.9	20.0												+9.20
1.	26.	7	7	8	58.10	20.9	20.0												
28	7	7	6	8	57.74	22.2	18.4	27.090	+9.7	+8.78									J. 57.94 S 21.7 A 19.1
28					57.54			27.090	+9.7										
54	1	59	59	0	58.10	20.9	20.0												+8.80
																			Centrum
																			58.00 S 21.4 A 20.0
28	3	2	4	4	57.80	21.9	19.4	27.250	+9.4	+6.48.									
7	49	40	39	39	40	57.78	22.1	19.1											+6.60.
																			Centr.
44	25	26	25	26	58.20	20.7	20.7												+6.54.
																			58.08 S 21.1 A 20.1

β Leonis	42.4	50.8	59.1	7.7	16.4	43	11	+ 25.1 - 27.0
γ Ursae maj.	0.5	14.4	28.0	42.4	57.3	47	11	a = -0.785
Venerij LII	30.3	39.5	47.2	55.4	h.1	33	12	b = -0.227
α Ura. min.	56.0	18.0	29.7	31.0	h.8		13	c = -0.026
	22.8	18.0		37.5	28.0			

a = -0.785
b = -0.227
c = -0.026

β Leonis	+ 4'	49.90
γ Urs. maj.		49.88
α Virginis		49.98
η Urs. maj.		49.86
α Bootis		49.98

12^h 57' x = -1' 49.920.
Decid. 1.421

Feb. 11. N. 23^h 52' x = + 4' 59.35
Aut. 0.167
Merid. 12. Nov. 23^h 55' 0.65

α Virginis	35.7	44.2	52.3	0.6	9	h.19	13
η Urs. maj.	48.8	1.8	14.0	26.8	40.5	43	13
α Bootis	7.9	16.7	25.3	34.0	43.0	10	14

β Leonis	46.4	55.0	3.3	11.7	20.5	43	11
β Virginis	15.7	23.4	31.6	39.8	48.6	44	11
γ Urs. maj.	4.6	18.6	32.1	46.6	1.0	48	11
Ven. L. II	40.2	48.4	56.5	h.6	13.3	h.6	12
α Urs. min.	56.0	19.5	32.5	34.4	h.3		12
	25.0	17.5		39.0	29.5		

a = -0.691
b = -0.210
c = -0.026

β Leonis	- 1'	53.99
β Virginis		53.96
γ Urs. maj.		53.83
α Virginis		54.20
η Urs. maj.		54.14
β Urs. min.		54.22
α Bootis		54.24
β Librae		54.19
α Cor. bor.		54.33

13^h 21' x = -1' 54.110 Ar. 1.389

Feb. 14. Nov. 23^h 56' x = + 5' 0.97
Aut. 0.54

(Merid. 15. 23^h 54' 59.03)

T U R N L e i 11

0'	42	42	42	44	58.28	21.3	20.7	27.309	+ 8.7	+ 5.60
2	55	27	29	30	57.90	22.5	19.6			+ 5.61
57	0	57	57	58	58.30	21.1	20.9	27.308	+ 8.9	+ 6.42
40	40	40	40	58.40	21.0	20.9	27.315	+ 8.9	+ 6.28	
5	58	47	45	47	58.40	21.0	21.0			55. 30
44	44	45	45	58.40	21.1	20.9				57. 45
42	42	43	43	58.40	21.0	20.9				59. 26
40	40	41	41	58.43	21.0	21.0				4. 0
48	5	4	6	5	58.34	21.0	20.9			+ 6.40
7	23	18	20	20	57.90	21.1	19.5			+ 6.48
28	30	30	30	32	57.52	22.0	19.5	27.238	9.0	6.61
49	22	22	22	23	58.38	21.6	20.9			
55	28	31	31	32	57.90	23.0	19.5	27.716	8.5	5.82
13	50	50	49	50	58.30	21.6	20.9	27.739	8.5	+ 6.24
41	42	42	42	58.20	21.8	20.6	27.751	+ 8.5	+ 6.40	
5	58	46	47	46	58.86	23.0	19.4			55. 28
45	45	46	46	58.02	22.6	19.8				57. 42
43	42	44	44	58.14	21.9	20.5				59. 52
41	42	42	42	58.20	21.8	20.6				3. 50

F. 58.04 Ser. 6 Area

Centr. F. 57.90 Ser. 1 A 19.8

F. 58.13 Ser. 4 A 20.6

57.88 Ser. 1 A 19.5

58.05 Ser. 4 A 20.4

58.00 Ser. 2 A 19.9

57.97 Ser. 3 A 20.0

Centr. 58.06 Ser. 1 A 20.4

Nov.							
14. α Virginis	39.9	14.5	56.4	1.8	13.5	19	13
η Urs. maj.	53.3	6.0	14.5	31.2	14.5	43	13
α Bootis	12.1	21.0	29.4	38.2	17.4	10	14
β Urs. min.	59.7	30.9	1.4	33.0	5.6	54	14
	25.6	36.6	-	27.1	38.4		
15. Solij L. I	44.8	53.2	17	-	19.5	24	15
II	2.5	11.1	19.8	28.3	37.1	26	15
α Cor. bor.	42.9	52.0	1.4	10.8	20.0	30	15
17 β Leonis	52.0	0.6	8.4	17.5	26.5	43	11
β Virginis	21.0	29.4	37.4	15.7	54.0	14	11
η Ursae major.	9.9	21.5	27.7	52.0	6.7	48	11
Veneris L. II	55.5	4.3	11.7	20.3	28.4	59	12
Ursae min.	-	1 23.0	6 35.0	11 36.0	16 48.5	12	
	-	2 22.5	10 37.5	12 39.0			
α Virginis	45.5	53.5	1.6	10.2	18.7	19	13
η Ursae maj.	58.6	11.4	23.7	36.6	50.0	43	13
α Bootis	17.7	26.6	34.9	43.8	52.7	10	14
β Ursae min.	5.4	36.6	6.7	38.2	10.7	54	14
	30.7	42.3	-	32.6	44.0		

+25.1-27.1
23.7 28.5

Observ. Veneris valde dubia.

$a = -0.683$
 $b = -0.209$
 $c = -0.026$

- β Leonis - - - 1' 59.61
- β Virginis 59.88
- η Urs. maj. 59.27
- α Virginis 29.42
- η Urs. maj. 59.45
- α Bootis 59.72
- β Urs. min. 59.63
- α Cor. bor. 59.87

13^h 21^m $\alpha = -1$ 59.569
Arc. diam. 1.82

Feb. 17. 23^h 54^m $\alpha = +5'$ 2.07 Alt. 0.37
(Mars. 18. 23^h 54^m 57.93)

25.4-27.1
23.7 28.6

7.48.6	4	6	6	58.24	21.4	20.9													+6.40		
7.23.20	20	20	20	57.78	22.9	19.2													+6.60.	57.93 S 21.9 A 20.3	
28.30	28	30	32	57.85	22.1	19.9	27.773				+8.7								+6.80.	57.95 S 22.0 A 20.0	
2 41	40	41	40	57.75	23.3	18.4	27.780				+8.9								+6.88	M = 58.253	
14.57	58	57	57	58.16	21.4	20.0	27.779				+9.3								+6.84	24. 37 S.B.	
13.46	46	46	47	58.20	21.0	20.5															
																					57.75 S 22.2 A 19.8
49.21	21	22	21	58.18	22.1	20.9															
2.55.30	30	30	32	57.70	23.7	19.3	27.717				+7.9								+7.00		
1 31	10	10	10	57.62	23.4	19.2	27.720				+8.2								+7.92	Contr. 57.95 S 22.0 A 20.4	
5 58	41	41	42	58.10	22.0	20.6															
	40	39	39	57.68	23.2	19.4														2 29	
	40	42	42	58.10	22.6	20.0														4 34	
	40	42	42	58.10	22.0	20.6														8 9	
	42	42	43	57.94	22.3	20.2	27.726				8.2								8.10	12 58	
48 4	4	6	6	58.04	21.9	20.9														8.22	
23 19	20	20	23	57.60	23.9	18.7															57.70 S 23.1 A 19.1
28.32	31	32	34	57.53	23.3	18.8	27.699				8.6								8.82		57.85 S 22.6 A 19.8
45 44	44	43	44	57.67	23.7	18.2	27.716				9.0								8.88		57.90 S 22.5 A 19.7

17. α Corvæ bor. 48.6 57.7 6.7 16.0 25.8 30 15 $M=58.248$

18. Solis L. I 15.7 24.2 32.9 41.6 50.6 36 15

L. II 33.7 42.5 50.7 59.7 8.5 39

27. γ Aquilæ 53.8 2.4 10.3 18.4 27.6 41 19

α — 19.7 22.0 30.1 38.5 47.0 45 19

β — 42.6 50.6 58.8 7.2 49.4 50 19

α Cassiopejæ 36.0 50.4 4.5 19.3 34.4 34 0

α Ursæ minor. 20.7 31.3 40.6 49.7 8.5 1

33.7 25.0 — 50.5 41.3

Per nubey senes; Solij limbi male determinati.

$\bar{+}29.1 +27.8$
 $36.5 26.4$

Stellæ omnes difformes.

$a = -0.338$ } -0.338 γ Aquilæ — 2' 16" 85 (85)
 $b = -0.162$ } -0.162 α Aquilæ 16" 85 (85)
 $c = -0.026$ } -0.026 β Aquilæ 16" 85 (65)
 α Cassiopejæ 17. 27 33
 α Ceti 17. 28 96
 α Bersei 17. 46

$23^h 0^m - 2' 17" 182$
Accel. diurna 1, 693 (1.693)

α Ceti 15.1 23.3 31.2 39.2 47.4 56 2

α Bersei 15.3 25.8 37.7 50.6 3.5 16 3

29. α Borealis 7.6 17.4 26.4 36.3 46.0 51 22

β Begasi 8.5 16.7 25.3 33.6 42.5 59 22

Jovis L. I 13.3 — 29.2 — 46.3 49 29

L. II 24.6 2 41.1

α Andromedæ 28.2 37.4 46.3 55.5 4.9 3 0

β Begasi 21.9 30.5 38.6 47.0 55.9 7 0

Tab. 27. 20^h 9^m $\alpha = +5' 3.80$ Rel. 9, 184 (merid 28^h 23^m 54^s 56^h 17)

limbi Jovis undulantes et male terminati

47" 46 47 48 58.17 21.1 20.5 +9.00 57.80 L. 22.6 Aug. 1

20 18 18 21 57.62 22.9 18.9 27.706 9.4 +9.00 37 4 L. A.

16 14 16 19 57.60 23.0 21.4 57.90 L. 22.0 A 22.5

9. 50 50 48 51 57.67 22.9 21.6

6. 8 8 8 10 57.66 23.0 21.5 27.762 6.9 +2.60.

17. 12 14 14 15 58.06 21.6 22.7 27.736 6.6 +1.04

8 10 8 10 57.81 23.0 23.0 27.733 5.6 +1.20

0. 3 4 2 3 57.80 22.9 23.0 27 56.7

2 5 3 4 57.60 23.8 22.2 58.26

6 4 5 6 57.60 24.0 22.0 1. 15

8 10 8 8 57.66 24.0 22.0 4. 50

18. 54 58 54 56 57.63 23.7 22.9 27.727 5.3 +0.80

10. 16 18 18 18 58.11 22.3 24.0 27.730 5.3 +0.80

50. 48 50 48 48 57.76 23.3 23.0 27.584 5.2 -0.60

5. 22 26 24 26 57.70 23.7 23.0

2. 26 29 28 29 57.53 24.2 23.0 27.579 5.1 -0.64

13. 54 58 55 56 57.90 23.5 23.9

8. 30 32 28 30 57.65 24.1 23.3

F 57.92 L. 22.3 A 22.3

F 58.19 L. 24.0 A 22.0

F 57.80 L. 22.9 A 23.6

F 57.55 L. 22.1 A 24.0

Centr. F 57.60 L. 22.4 A 23.7

2
♀

July 11 21.9 30.5 30.0 11.