

1845. II.



Ann	2	7	13	18	23	1	12
14 α Urs. min.	30.5	59.0	7.0	7.5	16.5		1
	4	7	—	14	21		
	16.0	0.0	—	57.0	4.0		

α Arietis	31.6	10.8	49.7	58.5	7.3	8	2
α Ceti	16.3	25.4	33.4	41.3	49.6	3	3

20. δ Andromed.	5.9	15.9	25.2	34.2	43.6	0	0	+18.1 - 18.8
								+17.1 - 19.5
γ Pegasi	59.9	9.0	17.5	25.7	34.2	5	0	

α Cassiopeiae	17.5	32.6	47.2	1.4	15.9	32	0
α Ursae min.	53 17.0	58 16.0	3 54.0	8 55.5	14 52.0	1	*14.5.0
	55 35.0	57 47.5		9 44.0	11 53.0		

α Arietis	10.1	19.5	28.3	36.8	45.7	58	†
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	22	22	22	24	15.4	15.8	27.495	+17.4	+18.38
40.58.30	26	28	30	15.5	15.9			1.17	
26 24 26 27	15.3	15.9						4.10	
24 22 24 26	15.3	15.9						7.0	
22 21 23 25	15.5	15.8						9.31	
335.14.15	16	15	18	15.0	16.9	27.486	+17.6	+19.62	
315.59.49	49	48	47	14.0	17.9	27.483	+17.7	+21.80	
340 44 39 42 43 44	15.9	15.4	27.510	17.4	+17.16				
326.50 11 14 15 16	13.6	17.8							
8° 11' 14 15 16 17	14.8	16.4						+17.46	
40 58 22 21 23 25	15.9	15.4	27.510	+17.5	+17.86				
27 25 27 28	13.3	17.9						52° 15"	
26 23 25 27	14.3	16.8						54.56	
24 22 24 26	15.5	15.7						57 14	
22 21 23 25	15.7	15.5						0 29	
335 14 16 20 20 20	15.3	15.9	27.511	+17.5	+18.92				

	1	2					
$\alpha$ Ceti	54.8	3.7	11.7	19.8	27.9	54	2
$\alpha$ Androm.	5.7	15.8	24.9	—	43.4	0	0
$\gamma$ Pegasi.	59.7	8.7	17.2	25.3	33.8	5	0
$\alpha$ Lepiopeje	17.4	32.6	47.0	1.2	15.6	32	0
	53	58	3	8	14		
$\alpha$ Urs. min.	20.5	47.0	56.0	57.0	9.0		1
	55	<del>57</del>	—	9	11		
	36.5	20.0	—	46.0	54.0		
$\alpha$ Arietis	9.8	19.0	27.8	36.7	45.6	58	1
$\alpha$ Ceti	54.7	3.5	11.6	19.6	27.7	54	2
$\alpha$ Androm.	5.5	15.3	24.5	33.7	42.8	0	0
$\gamma$ Pegasi.	—	8.3	16.5	24.6	33.5	5	0
$\beta$ Leonis	51.7	0.8	9.0	17.7	26.3	41	11
$\beta$ Virginis	20.5	29.6	37.8	45.8	53.9	42	11
$\gamma$ Urs. mj.	10.4	25.3	39.3	52.8	7.3	46	11

$\times 57' 51.0''$   
 $+ 18.1 - 18.9$   
 $17.7 - 19.3$

$+ 19.7 - 20.6$   
 $19.0 - 21.1$

	F	N	P	B	L	O	D
315° 59' 47	48	48	50	13.1	18.0	27.515	+17.6 +20.48
340.44.37	40	42	42	14.4	16.2		
326.50.12	16	15	16	14.7	16.2	27.200	+17.5 +19.24
8.11.15	16	17	18	15.9	15.3		+15.64
22 22 22 24				15.6	15.5	27.209	+17.4 15.90
40.58.30	27	28	30	15.0	16.0		51.34
27 25 26 26				15.8	16.2		55.3
24 22 24 25				15.9	15.1		57.20
23 22 23 24				15.9	15.1		0 18
335 14.12.16	15	16		14.0	17.1	27.213	+17.5 +16.22
315.59.50	50	52	51	14.1	17.0	27.229	+17.5 +16.28
310.44.38	43	42	41	19.6	16.3	27.446	+15.7 +10.02
326.50.14	19	20	20	20.0	16.1		
315.9.10	10	13	11	17.1	16.2		
7.3.33	33	35	36	17.8	15.8	27.469	15.9 + 14.04

	53	58	3	8	14		
$\alpha$ Urs. min	27.0	39.5	38.0	48.0	44.0	13.	
	55	57	—	9	11		
	41.0	50.5	—	45.5	59.5		

$\alpha$ Virginis	45.7	51.7	3.0	11.3	19.5	17	13
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$\eta$ Urs. maior	0.2	13.7	26.5	38.6	51.6	41	13
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$\alpha$ Bootis	18.6	24.9	36.6	45.0	53.8	8	14
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$\alpha$ Andr.	4.8	14.9	23.8	33.4	42.4	0	0
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$\gamma$ Pegasi	58.8	7.7	15.9	24.7	32.4	5	0
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$\alpha$ Cassiopeja	15.9	31.3	45.5	59.7	44.8	32	0
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$\alpha$ Urs. min	26.0	53.0	57.5	2.0	13.0		1
	55	57	—	9	12		
	39.5	54.5	—	48.0	0.5		

$\alpha$  Arctis 8.6 17.8 — 35.4 — 58 1 per umbes.

	F	V	S	D	I	E	N
28 27 28 30	15.4	18.0	27.480	+15.6	+13.26		
44.0 20 20 20 23	15.8	17.8				50.31	
24 24 25 27	15.3	18.0				54.59	
26 24 26 27	15.3	18.0				57.21	
28 27 28 30	15.3	18.0				0.48	
30 2.10.20 21 22 22	17.0	16.7				+13.08	
2.35.33 36 35 38	17.3	16.1				+12.42	
33 2 30 7 5 7 8	15.9	17.9	27.488	+15.5	+12.02		
34 0.44.38 42 42 44	20.7	16.0	27.510	+12.9	+10.24		
32 6.50.15 20 19 20	20.6	16.0				+10.42	
8.11.12 14 16 17	20.9	16.0				+11.42	
19 18 20 22	19.9	16.4	27.518	10.8	+11.68		
40.58.26 23 25 27	19.1	17.4				53.20	
22 20 24 26	18.9	17.8				55.15	
21 19 22 24	18.9	17.7				57.17	
20 19 20 22	19.4	17.0				0.52	
33 5.14.16 18 17 19 27.517	19.6	16.0	27.	14.3	13.82		

	1	2						
Jul. 2. $\alpha$ Andromed.	0.4	9.4	18.3	27.9	—	0	0	+19.0 - 20.9 19.0 20.4
$\gamma$ Pegasi	54.0	2.4	11.0	19.3	28.2	5	0	5' 10.82
$\alpha$ Cassiopeiae	12.3	26.8	40.9	55.6	10.9	32	0	
	53	59	4	9	14		1	
$\alpha$ Ursae minor.	48.0	3.0	2.5	8.0	39.0			
	56	58	—	10	12			
	4.5	15.0	—	7.5	23.5			

$\alpha$ Arietis	4.4	13.2	21.9	30.6	40.1	58	1	
$\alpha$ Ceti	49.1	57.3	5.4	13.2	22.6	54	2	
3 $\alpha$ Androm.	59.8	9.7	18.4	27.5	37.4	0	0	+18.8 - 19.3 18.0 20.0
$\gamma$ Pegasi	53.9	2.7	10.7	18.9	28.0	5	0	10.676
$\alpha$ Cassiopeiae	12.0	26.5	40.4	55.6	10.7	32	0	
	53	59	4	9	14		1	
$\alpha$ Ursae min.	54.0	3.8	6.5	13.3	42.0			
	56	58	—	10	12			
	6.5	14.5	—	11.0	26.5			

F. W. P. B. L. C. H.									
19.14.5	8	5	7	55.39	15.3	18.6			
33.8.32	35	32	34	55.72	15.0	19.1	27.717	+15.6	+14.20
35.14.32	38	35	38	55.71	14.4	19.5	27.722	+15.6	+15.00
	30	32	33	55.30	16.1	18.0	27.724	+15.8	+16.20
									F 55.56 S 18.9 N 15.2
319.0.16	24	19	24	55.37	15.9	18.5			53. 17
	22	28	24	55.30	16.1	18.0			53. 19
	26	30	28	55.22	16.1	18.0			59. 45
	28	32	32	55.28	16.1	18.0			1. 19
24.44.32	32	31	33	55.30	15.3	18.1	27.736	+15.7	+17.00
43.58.58	59	56	60	55.45	15.0	18.6	27.752	+15.9	+18.40
									F 55.30 S 18.1 N 15.3
19.14.6	8	6	8	55.30	16.2	17.0			
33.8.32	34	33	34	55.60	15.0	18.0	27.745	+16.5	+16.00
35.14.32	36	32	34	55.40	16.0	17.2	27.747	+16.6	+16.08
	27	34	33	55.01	17.0	16.3	27.753	+16.6	+17.04
									F 55.28 S 17.1 N 16.1
319.0.25	26	28	26	55.08	16.6	16.6			53. 45
	22	27	26	55.00	16.8	16.6			66. 6
	31	30	31	54.90	17.0	16.0			58. 13
	30	32	33	54.95	17.0	16.1			1. 4

						1	2
$\alpha$ Aielis	3.9	12.8	21.7	29.9	39.6	58	1
$\alpha$ Peti	48.7	57.0	4.9	13.2	21.8	54	2
$\gamma$ Begafi	—	2.6	10.3	19.0	28.1	5	0
$\alpha$ Casiopeae	11.5	26.7	40.3	55.5	10.7	32	0
$\alpha$ Urse min.	—	36.5	—	—	—	13	
	57	57	—	—	—		
	38.7	38.7	—	—	—		

Observationes subibus interruptae.

$\alpha$ Androm.	59.6	8.9	17.9	27.3	37.1	0	0	+15.6-18.4
$\gamma$ Begafi	53.4	2.0	10.2	18.5	27.7	5	0	16.1 18.1
$\alpha$ Casiopeae	11.4	26.1	40.3	54.9	10.6	32	0	10.196
$\alpha$ Urse min.	53.2	7.0	7.5	15.2	43.3		1	
	56	58	—	10	12			
	7.5	16.0	—	13.0	25.2			

$\alpha$ Aielis	—	12.7	21.1	29.9	39.5	58	1
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24.44.30	32	31	33	55.50	14.8	18.0	27.762	+16.7	+18.48											F55.11 S17.0 N16.0
43.58.0	0	59	0	55.13	15.7	17.0	27.763	+16.6	+19.42											F55.03 S16.4 N16.3
33.8.26	28	26	30	55.20	15.9	16.0	27.683	+17.7	+17.20											
351.47.32	33	34	34	55.15	15.9	15.8	27.686	+17.4	+17.82											F55.20 S16.0 N15.7
315.58.22	21	22	22	55.19	14.5	12.5														55. 59
	18	20	19	55.31	14.1	13.0														58. 39
19.14.1	4	1	4	55.26	15.1	14.3														F55.10 S15.3 N16.0
33.8.30	33	30	33	55.38	15.0	15.0	27.686	+18.7	+17.66											
351.47.34	34	35	34	55.40	15.1	14.9	27.687	+18.7	+17.88											F55.26 S15.0 N15.1
	30	33	33	55.11	16.1	14.0	27.691	+19.1	+19.00											
319.0.26	25	26	26	55.10	16.0	14.0														53. 39
	28	28	27	55.10	16.0	14.0														56. 5
	25	30	29	55.30	15.5	14.8														58. 56
	30	32	32	55.14	16.0	14.1														1. 19
24.44.32	32	31	32	55.31	15.0	15.0	27.696	+18.7	+19.80											F55.25 S15.0 N15.0

Jovis L.I 13.2 51.1 0.3

L.II 2.9 10.8 19.6 17 2

α Ceti 48.1 56.7 4.2 12.4 21.1 54 2

β Andromedae 59.4 8.6 17.2 26.8 36.5 0 0 +14.8 -18.8

γ Pegasi 53.1 1.6 9.8 18.3 27.2 5 0 ~~16.7~~ ~~16.5~~  
17.1 16.5

α Psopejæ 53 25.5 40.0 54.4 9.8 32 0

α Ursæ min. 55.3 6.7 8.0 14.3 41.0 1  
56 58 10 12  
9.3 17.5 12.0 25.7

α Arietis 3.0 11.7 20.3 29.6 38.9 58 1

Jovis L.I 18.3 27.2 35.2

L.II 37.1 45.6 54.8 17 2

α Ceti 47.7 55.9 3.9 12.3 21.0 54 2

F N P O I E V II

34.58.55 58 57 58 55.35 15.0 15.0 27.700 +18.7 +20.02 17.29 Limb. Bor.

43.58.54 56 54 56 55.30 15.3 14.5 27.705 +18.9 +21.68

19.14.6 6 7 7 55.54 14.0 15.1

33.8.31 29 29 32 55.22 15.0 14.0 27.713 +19.2 +18.40

35.47.33 34 34 34 55.34 15.1 14.1 27.716 +19.2 +18.44

F 55.20. P 13.9 N 15.1

30 31 32 32 55.01 16.3 13.0 27.716 +19.2 +18.46

F 55.28. P 13.9 N 15.8

319.0.24 25 26 26 55.10 15.9 13.5 53.45

30 30 30 30 55.00 16.4 13.6 58.9

31 32 32 32 55.00 16.3 13.0 0.52

32 32 33 34 55.00 16.3 13.0 2.8

24.44.30 32 30 32 55.22 15.1 14.0 27.717 +19.2 +19.48

F 55.19. P 14.2 N 15.1

34.56.26 26 24 26 55.30 15.0 14.4 27.717 +19.3 +20.40

Centrum

43.58.54 54 55 56 54.92 15.9 13.9 27.717 +19.3 +21.08

F 55.22. P 14.2 N 15.1

$\gamma^2$   $\alpha$  Ursa min. — — <sup>3</sup> 41.0 <sup>8</sup> 44.7 <sup>13</sup> 54.0 <sup>19</sup> 13  
 55 57 — 35.0 42.0  
 22.0 36.5 —

$\alpha$  Virginis 39.3 47.4 55.3 3.5 12.6 17 13

$\eta$  Urf. min. 55.4 6.5 19.2 31.4 45.3 41 13

$\alpha$  Bootis 12.1 21.2 29.6 38.2 47.4 8 14

$\alpha^2$  Librae 56.3 11.7 12.9 21.4 30.4 42 14

$\beta$  Urf. min. = 46.4 6.8 37.9 11.0 3

18.5 31.4 — 44.0 57.1 52 14

$\alpha$  Androm. 58.7 8.3 17.3 26.5 36.1 0 0 +15.8 -16.5

$\gamma$  Pegasi 52.3 1.3 9.6 17.4 26.6 5 0 14.3 18.0

$\alpha$  Capriop. — 28.3 39.4 54.2 9.5 32 0

$\alpha$  Urf. min. 58.0 8.5 10.0 17.5 49.0 1

56 58 — 10 12  
 11.5 18.5 — 17.0 32.7

Stella nimis inquieta et tremulans

13 15 16 16 55.10 14.9 13.0 F 51.96 S 12.0 N 16.9  
 315. 58.18 18 19 22 55.13 15.3 12.2 55. 24  
 17 18 17 20 55.33 14.9 12.9 57. 36  
 16 16 17 19 55.40 14.9 12.9 59. 38  
 13 15 16 16 55.22 14.8 13.0 27.639 +20.2 +25.22 1. 36  
 57.48.30 30 27 30 55.03 15.1 12.7 +25.24  
<sup>23</sup>  
 357. 8 12 9 12 55.01 14.2 12.3 27.636 +20.4 +24.64 F 51.90 S 12.7 N 14.5  
 27.28.36 38 36 39 55.09 15.0 12.0 27.643 +20.6 +24.20 F 55.13 S 12.1 N 14.3  
 62.50.42 42 40 42 55.23 13.9 13.0 27.645 +20.5 +23.40  
 332.41.24 28 26 30 55.17 14.8 11.7 +29.00  
 24.19.14.8 8 8 55.61 14.2 14.0  
 33.8.30 32 28 30 55.30 14.9 14.0 27.644 +19.7 +17.88 F 55.18 S 13.0 N 15.7  
 351.47.33 34 34 34 55.44 14.9 14.0 27.644 +19.4 +19.02  
 25 30 27 28 55.01 16.0 13.0 27.645 +19.4 +19.22 F 55.40 S 14.0 N 15.0  
 319.0.23 23 24 24 55.30 15.2 13.8 53. 58  
 24 25 26 25 55.13 15.9 13.0 56. 40

*♄ Arietis* 2.7 11.3 20.0 29.1 38.4 58 1

*Jovis L.I* 53.3 1.7 10.5 — — 18

L. II — — 12.3 20.6 29.6 18 2

*♃ Celi* 47.0 55.5 3.5 11.6 20.3 54 2

8 *Solis L.I* 1.6 19.8 22.3 31.2 40.9 8 7

L. II — 30.5 39.2 48.1 57.7 10 7

*Mercurii Cent.* 30.3 39.2 48.2 57.0 6.3 23 7

*Veneris L.I* 54.3 2.2 10.9 19.8 28.9 12 8

*♃ maj.* 3.5 17.8 31.3 45.6 59.1 15 11

*♃ min.* 6.7 31.3 45.0 59.7 73.4 13 *Stella tremulans*

23.8 34.3 — 22.0 37.0

*♄ Virginis* 38.6 47.1 55.9 3.5 12.4 17 13

26 28 26 27 55.08 16.0 12.9

26 28 28 28 55.00 16.0 12.8

41.44 32 30 30 32 55.52 13.6 14.8 27.646 +19.6 +20.60

34.53 46 48 46 49 55.20 14.8 13.7 27.646 +19.7 +21.00

41.58 56 58 55 56 55.51 14.1 15.0 27.646 +19.7 +21.62

44.43 4 2 4 55.61 14.3 13.0 27.634 +20.6 +27.64 8

~~27.627 +20.6~~

23.45 44 44 42 44 55.50 14.2 13.0 27.627 +20.6 +26.80

26.6 43 44 41 42 55.22 14.5 12.2 27.614 +20.8 +28.00

52.55 16 16 18 55.16 13.5 12.5 27.583 +21.2 +27.00

14 15 14 17 55. 13.9 12.1 27.573 +21.2 +26.20

15.58 18 20 18 21 55.37 14.6 11.6 59. 6

16 19 18 22 55.53 14.3 11.8 55. 20

16 19 16 20 55.62 14.0 12.0 57. 31

14 17 16 16 55.68 14.0 12.0 0. 31

17.48 27 30 26 30 55.60 14.0 12.4 +26.20

59. 9

1. 16

*Limb. Super.*

F 55.16 S 13.8 N 15.0

56 *Limb. Bor.*

*Centrum*

*Centrum*

F 55.25 S 12.0 N 14.6

F 55.26 S 11.6 N 14.2

59. 6

55. 20

57. 31

0. 31

$\alpha$  Boötes 11.6 20.2 28.4 37.3 46.6 8 11 +14.0-16.1  
 13.8 16.3  
 $\alpha$  Lyrae 55.6 1.3 12.4 20.7 30.0 42 14  
 $\beta$  Ulf. min. 1.4 9.7 5.9 37.5 40.6  
 18.0 21.0 — 43.2 56.7 52 14

$\alpha$  Androm. 58.9 7.9 16.6 25.9 35.7 0 0  
 $\gamma$  Pegasi 52.2 0.1\* 9.0 17.5 26.3 5 0 \*1.0  
 $\alpha$  Cassiope. 10.6 25.2 39.4 53.4 9.9 32 0 7\*  
 54 59 4 9 14  
 $\alpha$  Lyrae min. 0.8 10.7 10.8 17.0 47.8 1  
 56 58 — 10 12  
 12.0 20.0 — 13.2 30.0

*Stella difformis et inquiet.*

$\alpha$  Aielis 2.3 11.3 19.4 28.3 37.5 58 1  
 Jovis L. II 29.3 38.3 44.3 — —  
 L. I — — 46.2 52.4 1.8 19 2  
 $\alpha$  Persei 45.4 58.9 10.5 22.9 36.3 13 3

$\alpha$  Mercurii I 43.7 52.8 1.3 10.7 24.2 32 7

F W R H I E I II

27.28.42 44 42 44 55.62 13.9 12.3 27.570 +21.2 +21.68  
 62.50.46 48 44 46 55.30 11.5 11.8 27.574 +21.2 +23.48  
 332.41.30 30 28 32 55.29 11.9 11.3  
 19.14.5 6 5 6 55.12 11.9 13.0  
 33.8.26 28 26 28 55.30 11.6 13.0 27.552 +20.2 +19.22  
 351.47.32 32 32 32 32 55.40 11.7 13.0 27.552 +20.2 +18.68  
 31 31 30 31 55.38 15.1 13.0 27.547 +20.3 +19.68  
 19.0.24 24 24 24 55.30 15.1 13.0  
 25 26 25 26 55.38 15.1 13.0  
 27 28 28 28 55.20 15.3 12.6  
 30 30 30 30 55.20 15.3 12.6 27.547 +20.  
 34.44.32 34 32 34 55.57 14.0 14.0 27.543 +20.2 +20.80  
 34.50.34 34 32 34 55.61 14.0 14.0 27.546 +20.2 +21.40  
 358.10.26 26 28 28 55.48 14.2 13.2 27.533 +20.4 +22.24  
~~34.58.57 0 56 58 55.35 14.4 12.3~~  
 24.0.38 40 37 40 55.45 14.5 12.1 27.535 +21.2 +27.66

F 55.45 P 12.1 N 14.1

F 55.22 P 12.4 N 15.2

F 55.46 P 13.0 N 15.0

53. 58  
56. 9  
58. 18  
1. 14

F 55.53 P 13.3 N 14.3

Limb. Bor.

13. 51

Centr.



	53	58	3	8	13		
<i>Alf. min.</i>	2.5	26.0	38.7	47.5	17.8		
	55	57	—	9	11		
	15.7	34.0	—	29.5	35.5		

Stella nimiopepe tremulans.  
 +13.5 -16.2  
 13.2 16.3

<i>Virginia</i>	36.4	45.4	53.1	1.3	10.2	17	13
<i>Ulysses major</i>	51.2	4.3	16.4	29.2	42.6	41	13
<i>Bootis</i>	9.7	18.3	26.4	35.5	46.5	8	14
<i>Librae</i>	53.4	2.1	10.5	18.6	28.1	12	14
<i>Bluf. min.</i>	2.5	34.1	4.4	35.7	8.8		
	16.1	29.0	—	41.1	55.0	52	14
<i>Andromedae</i>	55.2	4.4	13.3	22.6	32.3	0	0
<i>Pegasi</i>	48.4	57.3	5.5	13.7	22.1	5	0
<i>Cassiopeiae</i>	7.2	21.6	35.5	50.2	6.0	32	0

F W P B L e I II

16	19	17	19	55.80	13.9	13.2	27.417	+20.7	+23.84		F 55.52 P 15.0
14	25	25	25	55.51	14.2	13.0				53. 2	
26	25	25	26	55.60	14.2	13.0				55. 13	
23	22	23	23	55.82	13.9	13.2				57. 27	
20	21	20	20	55.76	13.9	13.2				0. 26	
57	48	32	32	55.53	14.1	13.1	27.417	+20.7	+23.84		
357	23	8	12	55.48	14.1	13.0				+25.20	
27	28	36	33	55.30	14.8	12.5	27.416	+20.7	+22.64		
62	50	46	46	55.50	14.0	13.1	27.409	+20.7	+21.80		F 55.14 P 12.1 N 15.0
332	41	30	30	55.20	15.1	12.0	27.414	+20.7	+21.42		F 55.11 P 13.0 N 15.0
19	14	6	6	55.53	13.8	15.3					F 55.72 P 15.8 N 13.1
33	8	27	26	55.61	15.8	15.9	27.296	+18.3	+14.20		
351	47	30	32	55.71	13.9	16.2	27.294	+17.4	+14.80		

# d'Ufae min. <sup>54</sup> C. 0

13 <sup>a</sup> d'Andromedae 59.6 9.3 12.0 21.1 31.1 0 0  
 y Begaſi 17.1 55.6 4.1 12.3 21.3 5 0  
 d'Capiopepe 5.5 20.2 24.0 48.3 4.3 32 0  
 d'Ufae min. <sup>54</sup> 4.5 <sup>59</sup> 11.7 <sup>4</sup> 17.0 <sup>9</sup> 25.0 <sup>14</sup> 32.0  
<sup>56</sup> 17.5 <sup>58</sup> 22.0 <sup>10</sup> 19.5 <sup>12</sup> 33.7

Observationes nubibus interruptae  
 + 19.5 - 21.8  
~~22.7 19.3~~  
 19.13 22.7  
 Stella peſſime conſpicua, hemulata et diſformis,  
 obſervationes autem omnes inter vapores nubecoque  
 factae.

d'Anelio 57.2 C. 1 15.0 23.32 33.5 58 1  
 Jovis L. I 8.3 17.2 25.2  
 L. II 28.2 36.3 45.5 21 2  
 d'Peli 11.7 50.1 58.3 C. 2 14.9 54 2  
 14 d'Ufae min. <sup>52</sup> 59.0 <sup>58</sup> 27.0 <sup>3</sup> 35.5 <sup>8</sup> 36.2 <sup>13</sup> 47.5  
<sup>55</sup> 17.0 <sup>57</sup> 33.0 <sup>9</sup> 27.9\* <sup>11</sup> 36.0

\*manet

19.0.17 20 18 20 55.30 15.0 15.0  
 19.14.5 4 1 4 55.40 14.9 19.7  
 23.8.32 32 29 32 55.60 14.4 20.3 27.514 +14.4 +9.60  
 51.47.30 30 30 32 55.31 14.1 22.0 27.515 +14.4 +9.68  
 28 30 28 30 55.12 15.2 21.0 27.502 +14.3 +10.00  
 19.0.24 26 24 24 55.32 14.4 21.7  
 24 26 26 26 55.26 14.8 21.7  
 26 28 27 28 55.13 14.8 21.7  
 28 30 27 30 55.00 15.3 20.9 9  
 21.14.27 27 26 29 54.96 14.8 20.3 27.513 +14.7 +10.66  
 34.37.24 24 21 24 55.50 14.1 21.1 27.517 +14.7 +11.00  
 43.58.54 54 53 54 55.42 15.0 21.2 27.516 +14.7 +11.60  
 12 14 12 13 54.58 16.2 16.0 27.461 +16.7 +16.42  
 345.58.14 18 15 18 54.11 17.9 14.9 21 ~~16.7~~ 52. 59  
~~16~~ 16 16 16 54.30 17.7 15.0 55. 17  
 14 14 14 16 54.50 16.8 16.0 57. 28  
 14 16 13 16 56.57 16.5 16.1 0. 21

F55.52 P16.0 N14.2

59. 44

F55.09 P19.0 N15.5

F55.46 P21.8 N14.2

55. 54

56. 14

58. 20

1. 32

F55.18 P15.7 N14.2

L. B.

F55.40 P21.1 N15.0

F54.10 P14.3 N18.3



	5	10	15	20	25	30	h	
$\alpha$ Serpentis	5.0	13.3	21.3	29.2	38.3	36	15	Observatio per nubes facta, stella tremulans.
Julii 30 $\alpha$ Ulf. min.	3.0	16.0	19.5	24.0	33.0		1	Observatio per nubes facta, stella tremulans.
	34	59	4	9	14			
	56	58		10	12			
	17.5	25.5		24.5	38.0			
$\alpha$ Arietis	18.0	57.4	6.1	15.0	24.2	58	1	per nubes.
$\alpha$ Ceti	32.9	41.4	49.2	57.7	6.3	54	2	per nubes.
$\alpha$ Persei	32.9	14.4	56.8	9.4	17.2	19	3	per nubes, post $\alpha$ Persei observationes nubibus interruptae!
31 $\alpha$ Ulf. min.	12.0	38.5	50.0	49.5	5.0		13	Stella nimis tremulans.
	53	58	3	8	14			
	55	57		9	11			
	30.0	55.0		43.0	50.0			
								+17.7 - 21.2
								18.1 20.3
$\alpha$ Virginis	23.4	31.7	39.6	48.2	57.1	16	13	
$\eta$ Ulf. major.	—	—	2.3	15.3	29.1	41	13	
$\alpha$ Bootis	56.3	5.2	13.4	22.2	31.3	8	14	
$\alpha$ Librae	40.4	48.6	57.0	55.5	14.4	42	14	

	5	10	15	20	25	30	h				
	10.32	16	16	14	16	51.40	19.0	13.1	+17.28		
	21	25	25	23	51.46	22.0	13.0	27.553	+14.6 +10.62		
	19.0	17	20	16	17	51.45	22.0	13.0	54.3		
	17	20	17	19	51.30	22.5	12.5		56.17		
	22	24	24	25	51.30	22.7	12.3		58.26		
	22	24	26	26	51.29	22.7	12.3		1.40		
	24.44	24	26	24	26	51.87	19.0	16.0	27.553	+14.6 +11.60	54.76 S 11.8 N 20.0
	3.58	50	52	46	50	51.65	20.6	15.0	27.563	+14.7 +11.85	54.68 S 15.0 N 20.1
	58.10	24	24	24	24	51.67	20.5	14.8		+12.22	
	15	16	14	15	51.86	19.0	13.0	27.560	+17.3 +18.46	54.23 S 11.5 N 21.0	
	15.58	27	25	26	26	51.10	20.3	12.0		55.12	
	24	24	23	25	51.62	20.2	12.0		55.30		
	20	21	20	20	51.70	20.1	12.1		57.45		
	18	20	18	20	51.80	20.0	12.1		0.6		
	57.48	24	24	23	24	51.60	19.9	12.1		+18.28	54.90 S 11.8 N 20.1
	357.23	8	9	8	8	51.52	20.2	11.7	27.554	+17.4 +18.46	
	27.28	34	36	34	36	51.50	20.0	11.8			
	62.50	42	44	40	42	51.71	19.0	13.0		+17.62	54.50 S 11.8 N 20.2



						l	h
$\alpha$ Arietis	15.3	51.6	3.5	12.3	21.6	58	1
$\gamma$ Arietis	26.2	34.1	43.2				
L. II				52.0	2.5	30	2
$\alpha$ Ceti	30.2	38.7	46.5	55.1	3.6	51	2
$\alpha$ Persei	—	42.3	54.4	7.0	20.2	13	3
$\alpha$ Tauri	20.4	29.3	37.2	46.0	55.1	26	4
$\alpha$ Aurigae	27.4	39.7	51.1	2.7	15.3	5	5
$\beta$ Orionis	23.4	32.2	40.2	48.5	57.1	6	5
$\beta$ Tauri	47.2	56.4	5.3	14.7	24.3	16	5
$\alpha$ Orionis	5.6	<del>10.1</del>	22.0	30.1	38.7	46	5
Aug. 2. Solis L. II	—	—	—	18.5	27.7	50	8
Veneris L. I	25.0	33.2	41.7	49.2	58.8	14	10
Mercurii L. I	10.8	19.7	27.7	35.9	44.8	23	10
Aug. 4. $\alpha$ Scorpii	11.7	20.5	29.4	38.6	48.6	19	16
$\alpha$ Herculis	52.3	1.2	9.4	17.6	26.2	7	17
$\alpha$ Ophiuchi	2.4	10.7	18.9	27.5	36.4	27	17
$\gamma$ Draconis	—	22.0	31.5	47.9	1.7	53	17

								l	h
20	23	21	22	51.20	21.7	11.3			
24	26	24	26	51.60	20.0	13.0	27.459	+16.2	+12.60
									FS4.50 Sin. N.10
8	12	10	12	51.81	19.6	14.2	27.451	+16.1	+14.00
48	48	43	43	51.30	21.2	12.5	27.455	+16.1	+14.68
									FS4.30 Sin. N.21.3
0.24	24	24	24	51.60	20.9	13.0			+14.62
24	26	24	25	51.50	21.0	13.0	27.456	+16.3	+15.82
0.16	17	14	16	51.49	20.7	12.4	27.454	+16.4	+17.20
									+17.60
2.4	4	4	4	51.22	21.0	12.0			
5.24	24	24	24	51.10	20.8	11.7	27.447	+16.7	+18.62
4.48	50	48	50	51.40	20.0	10.0	27.424	+19.7	+22.08
									48. 36 L. B.
0.42	44	42	44	51.13	20.0	9.8	27.413	+19.1	+23.28
									Centr.
0.12	14	11	14	51.40	20.2	10.0			+23.28
30.34	34	34	34	51.44	19.8	11.0	27.433	+18.3	+17.66
									FS4.46 Sin. N.19.1
53.26	28	26	26	51.13	20.1	10.3	27.431	+18.2	+16.64
									FS4.18 Sin. N.10
47.2	2	1	2	51.30	20.0	11.0	27.432	+18.0	+16.88
57.36	38	36	39	51.23	20.0	11.0			+16.60
									FS4.47 Sin. N.19.5



Aug. 13	$\alpha$ Can. major	24.5	33.4	41.4	50.0	59.0	37	6
	$\beta$ Geminorum	16.0	26.1	35.3	44.5	55.0	24	7
	$\alpha$ Can. min.	17.5	25.4	33.6	41.9	50.4	30	7
	$\beta$ Geminor.	53.5	3.3	12.4	21.6	31.4	35	7
	$\alpha$ Urf. min.	6.5	—	45.0	44.3	58.5	13	13
		55	57	—	9	11		
		23.0	27.3	—	34.0	43.2		
	$\alpha$ Virginis	8.3	<del>21.7</del>	24.7	33.1	41.9	16	13
	$\beta$ Urf. major	22.0	35.0	47.5	0.1	13.4	11	13
	$\alpha$ Bootis	11.2	19.4	28.1	6.5	16.3	8	14
	$\alpha$ Librae	25.0	—	42.1	50.4	59.6	41	14
	$\beta$ Urf. min.	—	—	33.2	<del>53.3</del>	<del>23.3</del>		
		—	—	—	10.2	23.3		
		—	—	—	10.2	20.3	51	14
	$\beta$ Aurigae	12.2	22.6	35.3	47.4	59.5	4	5
	$\beta$ Orionis	7.8	16.3	24.4	32.5	41.4	6	5
	$\beta$ Tauri	31.1	40.4	49.5	59.0	8.9	16	5

+18.3 - 22.4 Observationes hanc rubeo factae  
 18.6 21.2

		38	40	40	40	55.60	16.5	19.8	27.344	+13.7	+12.60	28.6
		35.10	12	10	11	55.80	15.5	20.6	27.347	+13.7	+12.66	F56.30 P22.0 N14.5
		15.14	14	13	15	56.00	15.2	20.8	27.251	+14.4	+13.44	F55.88 P20.5 N14.5
		41.50.53	54	52	54	55.72	16.0	20.0				
		9.4.16	48	44	46	55.70	16.0	20.0	27.346	+14.7	+12.68	
		24	26	26	28	56.25	14.4	19.2	27.284	+16.3	+15.80	F55.72 P18.1 N15.6
		15.58.34	34	33	35	56.06	15.0	18.7				53.6
		32	32	31	32	56.26	14.5	19.2				55.23
		29	30	29	30	56.40	14.0	19.8				57.37
		28	28	27	28	56.37	14.0	19.8				59.16
		7.48.28	30	28	28	56.03	14.4	19.0				+15.80
		57.23.10	14	10	16	56.06	14.4	19.0	27.277	+16.2	+15.48	
		27.28.42	42	42	42	56.13	14.2	19.0	27.276	+16.2	+15.48	F55.88 P18.0 N15.3
		52.50.39	40	39	40	55.70	16.0	17.8	27.263	+16.3	+15.40	
		32.41.34	34	34	34	56.20	14.8	19.0	27.257	+16.3	+13.65	F55.77 P17.6 N16.0
		55.50.14	16	14	14	55.72	16.5	21.0	27.210	+12.8	+10.82	F55.70 P21.0 N16.5
		19.0.4	5	4	6	55.90	16.5	21.0				

17	$\alpha$ Aurigae	10.5	22.1	33.6	45.7	58.0	4	5
	$\beta$ Orionis	6.6	15.0	29.2	31.3	39.8	6	5
	$\beta$ Tauri	29.7	39.0	48.2	57.7	7.4	16	5
	$\alpha$ Orionis	—	56.5	11.4	12.5	21.3	46	5
	$\delta$ Ursae min.	—	—	21	23	26		6
		—	—	33.0	46.7	5.8		
		—	—	—	24	25		
		—	—	—	9.0	6.2		

+ 21.5 - 23.8.  
+ 20.3 - 22.9 25.0  
Merid. 18. Aug. 0<sup>h</sup> 0<sup>m</sup> 28.85 (hor. Fer 16) + 0.61

	$\alpha$ Canis maj.	19.1	27.7	35.9	44.6	53.7	37	6
18	$\beta$ Orionis	—	13.6	21.4	30.3	39.0	6	5
	$\beta$ Tauri	28.4	38.1	47.2	56.3	6.2	16	5
	$\alpha$ Orionis	47.4	55.6	3.3	11.7	20.5	46	5
	$\delta$ Ursae min.	16	48.3	19	17.0	21. 33.2	23	47.5
		17	48.0	18	49.6	—	24	10.0
							25	7.4

+ 20.5 - 24.0  
+ 21.3 - 23.0

	$\alpha$ Can. maj.	18.3	26.5	35.2	43.4	52.4	37	6
	$\alpha$ Gemin. seq.	39.4	49.1	58.3	8.1	18.4	24	7
	$\alpha$ Canis min.	10.7	19.3	27.1	35.4	44.3	30	7
	$\beta$ Geminor.	47.5	56.7	5.6	15.0	24.7	35	7

19	$\alpha$ Ursae min.	53 <sup>h</sup> 13.7	58 <sup>m</sup> 42.0
		55 <sup>h</sup> 30.0	57 <sup>m</sup> 42.9

+ 19.8 - 21.3  
19.0 21.8

Circularis ~~Rei~~ Occidentem transpositus.

5.50.15	17	16	17	55.70	16.0	22.1		+11.00
7.0.5	7	5	6	55.70	15.8	22.3	27.381	+12.3 +11.00
10.5.26	28	27	28	55.81	15.1	23.0	27.380	+12.5 +10.30
14.5.29	30	32	31	55.44	15.8	21.9	27.398	+12.7 +11.88
5.31	34	32	33	55.40	16.7	20.9		25. 36
3.57	15	15	14	15	55.47	15.8	21.6	27.413 +12.8 +12.02
5.50.17	19	16	17	—	17.0	20.0	27.418	+13.2 +11.20
1.0.5	8	6	7	—	16.9	20.7		+11.46
9.5.27	27	25	27	—	17.6	20.1	27.419	13.2 +12.00
4.5.28	28	27	28	—	16.8	21.0		
4.5.31	32	31	32	—	16.8	21.0		
					<del>21.0</del>	<del>16.8</del>		19. 4
5.35	36	35	36	—	18.3	19.0	27.425	13.2 +13.06 26. 48
3.57.12	14	13	13	—	17.9	19.9		+13.08
15.14	15	13	15	—	16.4	20.6	27.427	13.5 +14.22
1.50.52	54	49	52	—	16.3	20.5		

19.  $\alpha$  Aurigae 7.7 20.4 31.7 43.2 — 4 5 +19.9-22.8  
 20.5-22.0

$\beta$  Orionis 3.7 19.7 20.8 28.8 37.1 6 5

$\gamma$  Tauri 26.7 36.7 45.9 55.1 6.4 16 5

$\alpha$  Orionis 15.5 54.0 2.6 10.1 18.8 16 5

$\delta$  Ursa minoris 16 52.5 19 11.0 21 24.6 23 43.0 26 9.2 6  
 17 51.8 18 48.2 24 8.6 25 8.5

$\alpha$  Canis major 16.1 25.3 33.7 42.0 50.8 37 6

$\alpha$  Canis major. 16.1 25.3 33.7 42.0 50.8 37 6

$\alpha$  Geminorum pr 37.2 47.6 57.1 — — 23 7

$\alpha$  Geminorum seq. — — — 6.9 16.8 24 7

$\alpha$  Canis minor. 9.3 17.7 25.9 34.2 42.3 30 7

$\beta$  Geminorum 45.6 55.5 4.8 13.8 23.0 35 7

20.  $\delta$  Ursa min. 53 25.5 58 37.7 } Circulo ad occidentem +18.6-21.1  
 55 36.2 57 47.0 } 18.8 20.6  
 13

$\delta$  Ursa min. Circulo ad orientem { 8' 26.7 13 48.2 +18.6-20.4  
 9' 27.3 11 36.7 17.6 21.2

21  $\delta$  Ursa minor. 53' 1.3 58 28.5 } Circulo ad orientem +19.2-21.0  
 55 17.0 57 30.4 } 18.2 21.7  
 Circulo ad occidentem { 8 29.3 13 59.0 +14.9-24.8  
 9 27.5 11 40.3 16.1 23.1

58.20.8 11 10 11 — 20.9 15.1

24.8.36 36 34 36 — 20.6 15.4 27.358 14.0 13.26

40.58.39 44 46 45 — 21.1 14.7 +13.68

19.53.21 25 25 23 — 20.8 15.1 27.356 +14.1 +14.46

5 53 18 17 19 20 — 19.9 15.4 27.361 +14.5 +15.80

5 53 18 17 18 18 — 20.2 15.1 18 59

16 17 17 19 — 20.1 15.0 25 30

16 1.40 39 40 40 — 19.9 15.3 +16.02

4 43 35 38 39 40 — 18.7 16.0 27.371 +14.9 +17.00

8 7 58 1 59 59 — 17.7 16.9 +17.46

40 54 8 5 5 6 — 17.2 16.9 17.48

Aug. 23.  $\alpha$  Herculis 22.6 41.3 19.7 57.9 6.4 7 17

+16.6 - 25.7  
18.0 24.1

$\alpha$  Zepheri 12.2 53.0: 59.5 — 16.0 27 17

Mrs. min 54.9 21.7 38.0 54.0 13.5 18  
16 19 21 24 26  
17 18 — 24 29  
56.0 56.7 — 15.0 15.1

Observationibus Augusti 20. 21. 24. 25.  
circulo ad Occid.  $c = +0.0431$   
 $c = -0.0514$   
 $c = -0.0035$   
 $c = +0.0467$

$\alpha$  Lyra 35.4 46.6 46.8 7.1 17.6 31 18

$\gamma$  Aquila 51.6 0.8 8.8 17.1 25.5 36 19

$\alpha$  — 11.6 20.8 28.8 46.9 45.4 42 19

$\beta$  — 40.6 49.7 57.5 5.8 14.0 47 19

$\alpha$  Auriga 6.6 18.8 30.8 — — 4 5

$\beta$  Orionis — 10.8 18.6 — 35.1 6 5

$\beta$  Orionis <sup>Tauri</sup> 25.5 35.3 44.4 33.7 3.0 16 5

$\alpha$  Orionis 43.7 52.3 0.7 8.7 17.0 46 5

Mrs. min 40.8 58.5 14.5 30.5 59.4 6  
16 18 21 23 25  
17 18 — 23 24  
40.5 38.0 58.0 57.5

Quare, omnia die 21, qua inclinationis  
mutatio, sed magna diem absumit  
variationem verisimilem reddit,  
medium arithmeticum reliquorum  
horum est:

$c = \begin{cases} +0.0288 & \text{Circ. ad Occid.} \\ - & \text{Orient.} \end{cases}$

Sive, aberrationem diurnam respicienti:

Circul. ad Occident.  $c = +0.015$

--- Orientem  $c = -0.043$

17.5.12 16 15 46 — 16.5 18.5 27.617 +14.6 +11.64

5.11.48 43 40 42 — 17.3 18.1 +11.62

36 36 35 38 — 18.5 17.0

35 36 36 38 — 18.6 17.0 19.21

37 36 36 38 — 17.7 18.0 25.92

9.20 20 20 21 — 17.7 17.9 27.652 +14.1 +10.88

245.37 40 38 39 — 17.4 18.1

59.7 9 8 10 — 17.8 18.1

32.58 51 48 50 — 18.2 17.9 27.660 +14.0 +10.00

20.4 6 6 8 — 19.3 17.1

8.37 36 34 36 — 18.9 17.9 27.673 +13.2 +9.00

58.39 40 42 41 — 18.6 18.4 +9.22

53.22 22 23 22 — 17.6 19.6<sup>(5)</sup> 27.675 +13.2 +9.82

15 13 14 14 — 16.6 20.1

3.14 12 12 12 — 16.9 19.9 18.58

12 10 12 12 — 17.0 19.6 27.677 +13.4 +11.08 25.40

1.40 38 40 40 — 17.0 19.6 +11.40

A	α Urs. min.	58	24.9	Circulo ad Occidentem	12	16.9 - 25.1	
		55	24.4		13	17.8 - 24.0	
24.		57	35.0	Circulo ad Orientem	13	+ 17.9 - 23.8	
		8	33.0		11	18.7 - 22.5	
	α Aurigae	5.4	17.0	28.7	40.4	— 4 5	
	β Orionis	—	9.4	17.5	25.7	34.4 6 5 + 19.7 - 24.0 20.5 23.0	
	β Tauri	24.4	33.6	42.7	52.0	1.9 16 5	
	α Orionis	42.6	50.4	59.1	7.3	15.9 46 5	
	δ Urs. min.	33.0	0.4	16.8	32.4	50.5 6	
		17	18	—	23	24	
		33.5	36.3	—	34.0	51.2	
	α Canis major	13.3	21.9	30.4	38.8	45.7 37 6	
	α Geminorum	34.7	44.2	53.7	—	23 7	
	α Gemin. seq.	—	—	—	3.7	14.0 24 7	
	α Canis min.	6.0	14.6	22.5	30.8	39.6 30 7	
	β Geminor.	42.7	52.3	7.5	10.7	20.3 35 7	
	25 <sup>a</sup> α Ursa min.	52	55.8	25.5	Circulo ad Orientem	12	+ 18.7 - 22.2
		55	12.7	27.0		13	+ 19.0 - 21.5
	α Ursa min.	Circulo ad Occidentem	8	48.5	13	+ 20.4 - 19.7	
			9	47.0		12	19.6 - 20.2

38.43	44	42	47	—	16.0	19.4
50.15	14	15	16	—	16.9	19.0
0.12	8	10	12	—	16.1	19.9
5.30	27	28	31	—	16.0	20.2
	36	37	36	—	16.5	19.5
5.35	36	35	37	—	17.0	19.1
	34	36	35	—	16.8	19.3
57.10	10	10	10	—	17.0	18.8
15	15	13	14	15	17.5	18.1
					27.636	+ 14.2 + 13.80
50	50	48	47	50	17.8	17.9
4	44	42	42	45	17.9	17.9

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