

1843.

<i>S. Ursina</i>	19	22	24	26	29
55.5	44.9	29.3	47.0	11.0	
21	22		26	27	
49.7	40.7	—	22.6	11.4	

1 2
6

$F = 9^h 3^m 30^s$
 $F = 8^h 55^m 56^s$
 $S 24.5 M 22.2 F 49.69$

α Can. maj.	42.6	52.1	0.4	8.6	17.2	40	6
β Sol. L. I.	17.7	15.8	27.9	31.8	39.8	1	0
II	16.1	24.7	32.6	41.0	49.3	3	

Limbi undulantes

α Aurigae	—	—	52.7	4.4	16.2	7	5
β Orionis	28.7	37.4	45.9	53.8	3.4	9	5
β Tauri	49.6	59.7	8.4	17.4	27.3	18	5
α Orionis	9.6	18.6	26.7	34.9	43.3	14	5
<i>S. Ursina</i>	19	22	24	26	29		6
57.5	19.0	29.2	48.0	9.8			
21	22		26	27			
50.0	40.2	—	19.5	19.3			

$A = +1.2 + 30.0 - 27.8$
 $a = +0.317$
 $b = +0.263$
 $c = -0.255$
 $S = 6^h 37^m 24^s$
 $37.6 26.2 F = 6^h 41^m 25^s$
 $S. ch 36^x = -1^h 45^m 100^s$
 $dx accel. 0.001$
 $F 6^h 41^m x = -4.35 accel. 0.255$
 $Merid 22^a 0^h 0^m 41^s 54^s$

α Canis maj.	3.1	51.7	0.3	8.2	16.7	40	6
24. Solis L. I.	3.7	11.8	19.9	27.9	36.7	12	0
II	12.3	20.8	28.8	37.1	45.4	14	0

F b l e 1 11

49.54.25	6	7	7	49.60	27.636	+5.3	-0.20		
49.54.2	5	4	4	49.60				19.	55
4	6	6	5	49.51				22.	11
2	4	4	4	49.70				27.	11
59	1	2	1	49.72				29.	11
296.144	44	46	46	49.45	27.638	+5.2	-0.66		
312.1947	50	52	52	49.62	27.657	+5.0	+0.60	2.	0 L.A.

304.8.19	23	21	24	49.50	27.589	+5.2	+1.48		
340.58.46	49	50	50	49.62					$F 49.53 S 25.0 M 21.8$
319.53.20	21	22	22	49.63	27.587	+4.7	+0.82		
4	6	6	7	49.57	27.578	+4.6	+0.08		$F 49.55 S 25.3 M 21.6$
49.54.0	2	2	4	49.34				19.	57
2	5	5	6	49.73				22.	10
4	6	5	6	49.61				26.	40
1	9	2	2	49.72				29.	9
296.141	42	42	43	49.47			0.00		
312.2150.	53	51	51	49.27	27.483	+5.5	+7.00	13' 5"	$L B undulans$

						1	2
α Aurigae	20.4	42.6	54.5	6.4	17.7	7	5
β Orionis	20.4	39.6	47.4	55.6	3.9	9	5
β Tauri	51.6	1.3	10.5	19.6	24.6	18	5
α Orionis	11.4	20.3	28.4	36.4	45.0	44	5
δ Urs. min.	0.4	20.0	30.9	50.6	15.0		6
	20	22	24	26	29		
	21	22		26	27		
	5h. 2	43.7		2h. 5	15.0?		

$A_2 = +1.9 + 30.8 - 25.9$
 $24.8 \quad 20.6$
 $a = +0.194$ } $Seyff. 5^h 36' x = -1' 46'' 836 \text{ Accel. } 0''.597$
 $b = +0.259$ } $Fellb. 7^h 18' x = -4''.75 \text{ Accel. } 0.192.$
 $c = -0.055$

α Canis maj.	44.4	53.6	2.2	10.4	18.6	40	6
25 th Lolis L.I	41.0	49.5	57.7	5.5	14.0	16	0
L.II			6.5	15.3	23.3	18	

$L_7^h 17' 54''$
 $L_7 \quad 25 \quad 50$

α Aurigae	20.6	42.6	54.4	5.6	17.7	7	5
β Orionis	20.4	39.3	47.3	55.6	3.6	9	5
β Tauri	51.3	1.4	10.4	19.6	24.5	18	5
α Orionis	11.4	20.3	28.4	36.6	44.6	44	5
δ Urs. min.		18.8	32.6	49.6	16.3		6
		22		26	27		
		42.5		27.3	15.2		

$A = +2.0$ Bene $+29.7 - 27.5$
 $31.3 \quad 25.8$
 $a = +0.264$ } $S. 5^h 36' x = -1' 46'' 786 \text{ Det. } 0''.10$
 $b = +0.245$ } $S. 6^h 31' x = -4''.41 \text{ Det. } 0''.35$
 $c = -0.055$

F b l e i "

30	4.8	18	20	20	20	49.50	27.488	+6.0	+5.02		
34	0.58	47	49	50	50	49.47			+4.80		
319	53	20	21	20	22	49.47	27.500	+6.0	+3.88		
	6	7	7	7		49.58	27.516	+5.6	+2.88		
45	54.3	4	4	5		49.75				20.	0
	4	6	6	6		49.66				21.	53
	1	4	5	5		49.59				26.	50
	4	4	5	5		49.77				29.	15
296	1.43	43	45	44		49.60			+2.08		
313	54	24	25	26	25	49.22	27.590	+5.4	+2.16	34	L.A. ruber tenuis.

Franco nubes
 Fig. 60 S=24.5 M=21.0

30	4.8	18	20	19	21	49.61	27.494	+5.7	+3.42		
34	0.58	45	46	47	49	49.50					
319	53	21	24	24	23	49.50	27.488	+5.5			
	4	6	6	6		49.44	27.480	+5.3	+1.80		
44	54.3	4	5	4		49.50				20.	35
	5	7	6	6		49.40				22.	42
	4	5	5	6		49.50				26.	49
	2	3	3	4		49.62				29.	16

Fig. 59 S=26.0 M=20.9

1843

α Can. maj. h. 0	53.4	7.8	10.3	18.4	40	6
Martii 29 Orionis	14.4	23.4	31.5	39.7	48.1	48

$F = 6^h 31' 0''$
 $S = 6^h 42' 45''$
 $A_7 = +2.0$ bene. $+31.8 - 26.5$
 $30.2 \quad 28.0$

30 β L. 2. h. l.	13.1	21.3	29.4	37.6	36	0
α Aurigae	24.3	16.6	58.7	9.6	21.7	7
β Orionis	34.3	42.7	51.4	59.6	8.0	9
β Tauri	55.4	5.3	14.3	29.4	32.6	18
α Orionis	15.4	24.6	32.6	40.6	48.6	48
Musmin.	—	26.5	39.8	56.4	21.3	6
	22	22	26	29		
	2.0	50.0	—	38.7	24.0	

$A = +1.8$ $+29.5 + 27.5$ $F = 6^h 12' 22''$
 $31.3 \quad 25.3$ $S = 6^h 43' 50''$
 $a = +0.195$ $\delta. 5^h 36' x = -1' 50''$ accel. 0,834.
 $b = +0.249$ $\delta. 6^h 31' x = -5' 32''$ accel. 0,18
 $c = -0.055$ Merid. 31^a $\delta^h 0' 5'' 45.$

α Can. maj. h. 4	57.5	6.3	14.6	22.4	40	6
31 Solis L. I	34.4	42.3	51.0	59.0	7.6	38
L. II	43.6	51.8	0.6	8.4	17.2	40

$A = 1.6$ (male visum) $+30.2 - 24.3$
 $28.3 \quad 26.0$

α Aurigae	35.2	47.4	59.1	10.4	22.2	7
β Orionis	35.3	44.2	52.4	0.4	8.6	9
β Tauri	56.3	6.1	15.5	24.6	33.6	18
	16.4	25.6	33.3	41.3	49.6	48

F B L e 1 "

296.1	45	45	46	46	49.47			+1.62
319.53	21	22	24	24	49.56			+4.24

30	4.8	17	18	20	19	49.56	27.474	+5.4	+7.08
310	58	50	50	52	53	49.47	27.474	+5.7	+7.00
319	53	21	22	21	21	49.59	27.474	+5.7	+6.68
	3	4	6	6		49.70	27.477	+5.7	+5.88
45	54	6	7	6	8	49.72			20 35
	5	7	8	8		49.70			22 50
	3	6	6	6		49.68			26 50
	4	6	6	8		49.73			29 21

S 24.2 M 21.8 F 49.47

S 25.1 M 22.0 F 49.71

296.1	39	40	41	42	49.51	27.477	+5.7	+5.68	
316	46	57	60	59	58	49.27	27.556	+6.0	+9.62

S 24.0 M 20.6 F 49.56

30	4.8	17	18	18	18	49.47	27.493	+6.8	+8.62
310	58	45	48	49	50	49.58	27.474	+7	+8.46
319	55	19	20	21	22	49.57	27.474	+7.0	+8.22

38 26 L. B.

S 25.1 M 20.2 F h 9.72

Muf. min. 7.5 22 24 26 29
22 22
2.5 55.0 — 34.0 —

6 Stella vix vifla.
F = 6^h 11' 24"

2 Canis maj. h 9.6 58.5 7.1 15.3 29.6 40 6

6 S = 6 46 50

2 Aprilis L. I 12.9 21.4 29.5 37.7 46.0 41 0

L. II 21.8 30.6 39.2 46.6 55.4 43

8 Urs. min. 7.5 22 24 26 29
22 22
1.7 51.2 — 32.0 23.0

6 Stella armodum pallida

2 Can. maj. h 9.4 58.4 7.0 15.4 23.4 40 6

2 Can. pr. 8.3 — 28.0 — 47.3

9. — 18.7 — 38.0 — 26 7

2. Solis L. I 51.0 59.5 7.8 15.8 24.0 45 0

II. 0.5 8.5 17.4 25.3 33.5 47

4. Solis L. I 7.0 15.4 24.0 32.3 40.0 52 0

II. 16.5 25.3 33.4 41.4 49.6 54.

6. Solis L. I 23.6 32.4 40.9 48.8 57.0 0 1

L. II 33.3 41.8 50.3 57.8 6.4 2

2 Gem. reg. 3.2 13.4 22.4 32.5 41.4 26 7

F = 7^h 40' 20" S 8^h 7' 1' 46" 303

2 Can. min. 35.9 44.6 52.6 1.1 9.3 33 7

S = 9 19 1 S. 9 19 - 3" 62 Red. 0.17

25.4 32.3 40.7 48.4 56.9 21 9

Merid. 17^h 0^h 0' 3" 51.

296.1.40 42 41 40 49.67 27.487 +7.0 +7.0
316.38.8 8 9 10 49.35 27.466 +6.9 +14.02 42' 14" L.A.

296.1.40 37 39 38 49.70 27.457 +8.1 9.22

J. 49.80 S 20.4 A 23.9.

314.44.4 6 9 8 49.50 27.456 +7.9 +8.44

317.33.18 17 18 18 49.30 27.506 +9.2 +14.40 45. 13 L. B. inter nubes.

318.19.15 15 16 17 49.46 27.260. +9.2 +14.66 52. 56 L. B.

318 32.50.52 52 52 49.51 27.482 +9.3 +11.00 0 13 L.A

314.44.5 12 11 10 49.39

318.4.18 24 22 22 49.39

304.32.25. 28 25 26 49.51 27.633 +6.9 +0.88

April 19	Bolaris	54' 2.2	0' 7.3	4 12.0	9 20.5	14 45.0	13
			59 13.5	8 24.3	10 14.0		
	Virginis	27.7	36.3	44.5	52.6	0 9 19 13	
	Urs. maj.	42.8	56.3	9.7	22.3	35 14 43 13	
	Bootis	0.6	9.6	18.2	27.2	36.1 10 14	
April 20	Urs. maj.	=	=	48.5	5.7	23.4 56 10	
	Leonis	33.0	41.7	50.6	58.6	7.0 43 11	
	Virginis	1.6	10.4	18.6	26.7	34.7 44 11	
	Urs. maj.	52.5	7.3	21.4	34.7	49.0 47 11	
	Urs. min.	57.5	2.0	1.7	9.0	31.0 13	
		7.7	56.5	—	11.5	5.5	
	Virginis	26.6	35.0	43.5	51.7	59.8 18 13	
	Aquarii	—	—	28.7	36.5	44.8 59 21	
	Capri	52.5	7.7	22.6	36.5	50.9 33 0	
	Urs. min.	33.0	0.0	8.5	5.5	16.5 7	
		3.0	59.5	—	16.5	2.5	

$F = 11^h 33' 17'' + 26.0 - 23.8$
 $S = 13 24 25 \quad 26.6 \quad 22.5$
 $a = -0.050$
 $b = +0.197$
 $c = -0.055$
 $S = 13^h 42' x = -1' 45.29$ Retard. 0.33
Observatio turbata ideoque dubia.
 $+ 25.6 - 21.4$ $S = 12^h 39' 16$
 $25.3 \quad 21.5$ $S = 10 44 20$
 $a = +0.441$
 $b = +0.206$
 $c = -0.055$
 $S = 11^h 54' x = -1' 44.99$ Ret. 0.313
 $S = 10 44 x = -3.75$ Acc. 0.03
Meridie 21^a 12^a 0' 3.76.

F b l e i 11

15.5.51	49	51	52	49.60	27.415	11.4	12.80.
315 9 49	50	50	50	49.70			
7 ^a 4' 6"	8	8	10	49.85	27.413	+ 11.4	11.80
61	59	60	62	49.70	27.414	+ 11.4	11.28
44.0. 57	59	59	58	49.60			53. 44
60	58	58	60	49.80			59. 2
60	59	59	62	49.72			9. 43
59	58	58	60	49.95			11. 58
302 10 2	59	0	2	49.85	27.415	+ 11.4	11.28
211.26.34	34	35	34	49.65	27.400	+ 10.8	+ 11.82
8.10.47	45	48	50	50.00			+ 16.08
0	0	1	5	50.08	27.395	+ 11.7	+ 16.42
40.58.4	2	4	8	49.70			53. 43
2	1	3	6	49.88			57. 20

49.79 S = 22.1 A = 16.2

F. 49.86 S 23.6 A 16.3

F. 49.90 S 23.0 A 15.7

Mercurii L. 42.5	-	29.4	37.5	46.0	41	1
Apr. 21. Solis L. I 32.2	41.0	49.2	57.6	6.0	35	1
L. 2. —	51.7	0.5	8.8	17.4	37	
α M. m. j. —	29.6	47.5	4.6	22.6	56	10
β Leonis 31.9	40.6	49.5	57.7	6.2	43	11
β Virginis 0.7	9.3	17.6	23.7	33.7	44	11
γ M. m. j. 51.1	6.0	20.2	33.7	44.3	47	11
δ M. m. j. 51.2	0.0	1.0	7.7	28.5		13
ε M. m. j. 58	59		4	9	14	
ζ M. m. j. 4.0	56.0	—	10.5	3.8		

+25.1 - 21.0.2
24.4 21.0.5

α Virginis 42.5	50.4	58.6	18.	13.		
Vener. L. I. 52.5	59.3	9.4	17.3	25.6	30	23
α Androm. 41.7	51.5	1.5	10.0	19.5	2	0
α Caprip. 51.7	6.7	21.4	35.3	50.3	33	0

0 0 2 5	50.00					1.	34
2 1 3 6	49.87					10.	26
321.51.42 44 42 46	49.72				+17.40.		Centr.
323 57 58 56 58 58	49.93	27.384			+12.1 +17.63	55	21 L.A.
15.5.55 52 53 56	49.96	27.339			11.8 +14.24.		
315.9.48 50 50 51	49.87						
7.4. 8 9 10 13	50.10	27.327			+11.9 +14.28.		
61 60 60 64	49.67	27.325			+11.9 +14.00		
44.0.57 55 56 58	50.04				57. 10		
60 59 59 62	49.75				49. 0		
60 59 60 63	49.75				6. 32		
59 59 59 62	49.95				11. 54		
302.11. 2 0 2 2	49.93				+14.02.		
207.48. 52 51 53 54	50.06	27.300			11.7 +13.28		Centr.
340.44. 1 3 4 4	49.62				+16.32		
8.10. 43 41 44 44	49.60	27.300			12.2 +17.86		

F. 49.90 Sec. 0 A. 15.9
...

F. 49.88 Sec. 1 A. 15.9

F. 49.82 Sec. 4 A. 15.8

Apr. 21 allro min. ^{57 59 4 9 14} 40.5 3.5 11.0 12.5 19.0 1 h
^{58 0} 8.5 2.5 — 17.0 7.5 1
~~45.5 24.4 32.8 40.4 49.4 58~~

fil. 1. inter subes.

22. Solio L. I 15.5 24.4 32.8 40.4 49.4 58 1 Inter subes long.
 L. 2 26.4 35.3 43.4 51.6 0.2 1 2.

28 ~~7~~ ~~7~~ x Andr. 41.7 51.5 0.7 9.8 19.1 2 0
 y Pegasi. 35.8 44.7 53.5 1.5 9.6 2 0
 x Capriop. 51.5 6.7 21.0 35.5 49.8 33 0
^{57 59 4 9 14} x Urs. min. 2.9 3.0 10.0 9.5 17.7 1
^{58 0} 6.5 1.0 — 15.0 6.5

~~29~~

29 Solio L. I 35.8 44.7 53.3 1.7 9.9 25
 L. II 47.6 56.6 5.4 13.3 21.8 27.
 Merc. L. I. 30.4 39.5 48.0 56.2 5.0 46 2

F b l e 1 11

2 0 2 6 50.07 27.296 12.4 18.80.
 40.54. 8 6 8 10 50.03 54. 0
 6 5 7 8 50.04 55. 34
 3 2 4 6 50.08 57. 38
 2 1 3 6 50.08 2. 3
 324.50 3 5 6 7 49.98 { +18.86. 59 13 L. B.

27.291 + 12.9

340.44.2 3 4 4 49.78
 326.49.32 35 34 37 49.70 27.426 8.7 + 10.40
 8.10.39 41 43 44 49.60 + 10.60
 57 55 57 59 50.10 27.426 + 9.1 + 10.84
 40.54.2 3 1 4 49.90 53. 27
 0 59 0 2 50.00 55. 2
 59 58 59 0 49.90 56. 21
 58 57 58 58 50.07 59. 3
 57 55 58 59 50.10 1. 23

326° 34' 54" 54 55 56 50.03 27.426 + 9.7 + 11.66 25 28 L. A.
 328.50.30 32 32 32 49.83 27.426 + 9.9 + 11.88. Cent.

49.75 L. 24.0 A 18.1

49.90 L. 24.6 A 17.0

Nov 21.

α Virginis	22.1	41.9	40.0	48.5	56.8	18	13
23 \circ L I	15.2	24.4	33.3	41.3	50.4	58	3
\circ L II	—	39.7	48.7	57.6	6.3	1	4
β Leonis	30.6	39.7	48.2	56.3	4.9	43	11
β Virginis	59.3	7.9	16.4	24.4	32.6	44	11
γ Urs. maj.	—	—	18.5	32.4	46.3	47	11
δ Urs. min.	11.0	17.0	14.7	24.3	45.0	—	13
	58	0	—	8	10	—	—
	26.5	10.3	—	25.0	21.3	—	—

Lim. II. inter rubes.
 $\Delta z + 3.0 + 24.5 - 20.4$ $F = 9^h 18' 10''$
 24.5 20.4 $F = 13$ 22 47
 $a = +0.389$ $\text{Scyfl. } 12^h q' x = -1' 42'' q' 18 \text{ accel. } 0.58$
 $b = +0.263$ $\text{Scyfl. } 9^h 18' x = -12'' 80 \text{ accel. } 0.02$
 ~~$a = 0.155$~~

α Virginis	24.4	33.2	41.3	49.4	58.1	18	13
28. γ Urs. maj.	51.5	5.6	19.3	33.4	48.2	47	11
δ Urs. min.	48.7	10.0	15.7	16.0	22.0	—	13
	58	0	—	8	10	—	—
	14.5	7.3	—	22.5	11.7	—	—

Circulus ad Orientem.
 $+22.0 - 19.3$ Inter Rubes tenues
 21.8 19.1

				F	b	c	e	i	11
	7	5	7	8	49.40			2.	4
	8	7	7	8	49.90			8	40
	6	4	6	8	50.15			12.	4
202.	11.4	1	4	3	50.04		+10.08.		
332	45.1	2	4	5	50.13	27.358	+12.4	+16.88	59' 12" Limb. austral.
	15.9	55	58	55	56	50.00			
	7.4	15	18	17	18	49.80	27.324	+12.5	+14.20
	9	10	9	10	49.96				
	4.1	6	5	5	6	50.18			54. 11
	8	8	6	8	49.90	27.342	+12.5	+12.08	58. 3
	6	8	7	8	50.09				8. 25
	4	6	5	6	50.10				14. 15
202.	11.4	3	3	4	50.11		+13.20		
	52.5	37	36	40	40				
	47	50	51	50	73.30	27.288	+14.7	+15.60	172.97 166.0 119.0
	55.7	52	58	56	54	73.24			52. 42
	51	56	55	54	73.29				58. 14
	46	52	52	50	73.27				1. 11

	1	2	3	4	5	6	7	8	9	10	11	12	
Mai 28 α Virginis	29.9	34.3	42.1	50.4	59.3	18	13						
γ Urs. maj.	42.4	55.4	7.3	20.5	34.0	43	13						
α Bootis	59.6	8.7	16.8	25.6	34.5	10	14						
Mai 30. β Leonis	31.7	40.2	48.4	56.7	5.6	43	11						
γ Urs. maj.	51.0	5.1	18.6	23.0	47.6	47	11						
α Urs. min.	45.5	7.5	11.6	13.0	22.0		13						
*	12.0	5.0	—	20.0	9.8								
α Virginis	29.5	39.6	41.5	50.0	58.7	18	13						
Mai 30. γ Aquilae	17.2	25.5	33.5	41.5	50.4	40	19						
α Aquilae	36.7	44.8	52.8	1.3	9.5	45	19						
β Aquilae	5.5	13.7	21.7	30.0	38.3	49	19						
31. β Leonis	31.1	39.6	47.6	56.3	5.2	43							
γ Urs. maj.	50.4	4.6	18.4	32.5	47.1	47							
α Urs. maj.	46.0	7.0	15.7	12.0	22.0		13						
*	9.6	4.5	—	19.0	9.0								

$a = +0.541$ (Seuff. 13^h 15^l $x = -1'43''875$ Acc. 0.1)
 $b = +0.212$ (Seuff. 9^h 14^l $x = -12''99$ Acc. 0.04)
 $S = 13 26 50$
 $F = 9 1 32$
 Azim. + 4.0. + 22.6 - 20.8
 22.8 20.4
 inter nubey tenues.
 $S = 13 15. 0.$
 $F = 8. 42. 53.$

$a = +0.685$ (Seuff. 16^h 14^l $x = -1'43''358$ Acc. 0.20)
 $b = +0.170$ (Seuff. 8^h 43^l $x = -13.35$ Acc. 0.18)
 Merid. die 31^{ae} 0^h 0^l 13^h 46.
 Azim. + 4.5. p. 12 46. 52.
 + 22.6 - 21.0
 22.9 20.9. $F = 8. 10. 55$

	F	h	l	e	1	11	
	50	54	55	54	73.19		
	57.25.53	56	54	54	73.28	+13.84	N 73.20 S 15.0 A 19.9
	7.28.14	19	14	18	73.29	+15.40	N 73.19 S 15.7 A 19.3
	27.287					+14.4 +15.22	
	22.1.20	19	20	20	73.38		F. 73.00 S 15.7 A. 20.2
	52.54.40	41	40	45	73.00	27.490 +12.7 +12.20	
	50	50	49	52	73.40	27.520 +12.5 +11.04	F. 73.04 S 15.8 A 20.3
	55.57.57	58	56	59	73.22		52. 57
	56	55	56	57	73.30		55. 24
	54	52	52	55	73.27		58. 0
	51	51	50	52	73.43		1. 50
	57.47.59	59	58	59	73.35	+11.00	
	7 13 55 51 51 54	73.45					N 73.08 S 16.0 A 21.5
	7 0 27 26 25 28	73.44	27.518	+12.2	+7.50		
	26 39 40 38 38	73.00					
	2.1.18	18	18	21	73.20		F. 72.90 S 16.0 A 20.3
	52.54.42	40	40	45	72.98	27.539 +12.5 +12.00	
	55	54	54	55	73.78	27.538 +12.2 +10.46	F. 72.60 S 13.9 A 22.5
	55.57.58	58	57	59	73.45		52. 54
	56	56	56	57	73.45		55. 36

$a = +0.649$ } Seyff. $12^h + 6^m x = -1' 42.903$ Retid. 0.54
 $b = +0.150$ } $16^h 8^m x = -14.21$ Recel. 0.88
 Merid. 12^h Junii $0^h 0' 14.79$

α Virginis	24.7	32.2	41.4	49.6	58.3	18	13
Junii 1. β Leonis	30.8	39.2	47.6	56.0	4.7	43	11
γ Ursae maj.	49.9	4.3	18.0	32.0	46.7	47	11
α Ursae min.	46.0	6.3	15.0	14.5	20.4	15	15
	11.6	4.5	—	20.5	9.5		

$A_2 = +5.0 + 22.6 - 20.7$
 $a = +0.692$ } Seyff. $12^h + 6^m x = -1' 42.903$ Retid. 0.54
 $b = +0.150$ } $16^h 8^m x = -14.21$ Recel. 0.88
 $x = -1' 42.513$ Ret. 0.59

55	54	55	55	73.70				59. 7
55	54	54	55	73.80				1. 45
57.48.3	0	0	4	73.78			+10.22	
2.1.20	18	20	24	73.60				
52.54.41	40	42	45	73.30	27.478	+13.8	14.40.	
51	50	50	52	73.10	27.478	+13.6	+12.68.	
15.57.56	55	55	57	72.90				59. 21
55	54	54	55	72.97				55. 34
53	52	52	54	73.04				57. 27
51	50	50	52	73.10				1. 56
57.48.0	58	0	1	73.08			+12.82	

F. 73.32 S. 14.7 A. 213

F. 73.00 S. 15.7 A. 200

α Virginis	24.4	32.7	40.6	49.0	57.5	18	13
2 β Leonis	30.4	39.3	47.5	56.1	4.8	43	11
β Virginis	59.6	7.7	15.4	23.7	32.4	44	11
γ Ursae maj.	—	—	17.7	32.1	47.1	47	11
α Ursae min.	48.3	8.0	15.3	19.5	25.3	15	15
	13.0	6.7	—	22.0	8.7		

$A_2 = +5.0 + 21.5 - 19.2$
 21.7 19.0

4.49	5	4	3	72.78				
52.54.41	42	45	44	72.82	27.407	+14.7	+16.88	
46	50	49	50	73.10	27.422	+14.7	+15.06	
15.57.59	56	55	56	72.99				59. 43
52	54	53	52	73.00				58. 7
49	52	50	49	73.10				1. 37
52	56	53	52	72.72				10. 8
7.48.0	59	2	0	72.91			+14.68	

N. 72.69 S. 14.6 M. 19.9

N. 72.96 S. 15.8 M. 18.6

α Virginis	24.4	32.5	40.3	49.3	55.3	18	13
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α Androm. — — 0.4 9.2 19.4 2 0
 Max. min. 54 34.0 39 40.7 4 41.0 9 46.5 158.5 12
 58 42.5 34.7 — 8 48.5 10 44.5

α Arietis 44.5 54.6 3.0 12.0 21.4 0 2
 Junii 7^a Lunae I 5.7 14.0 22.5 31.1 39.9 18 12
 Max. min. 53 44.0 59 5.0 4 10.5 9 11.5 14 19.0 13
 58 10.00 1.0 — 8 16.5 10 7.0

α Virginis 21.7 30.3 38.6 46.7 55.1 18 13
 Junii 18^a Max. min. 53 47.5 58.0 16.5 14.3 23.4 13
 58 0 8 10 15.5 9.5 — 19.7 11.3
 $a = +0.659$ $b = -1'40".655$ $\text{Decl. } 0.262$
 $b = +0.087$ $(L. 9 29.1 = -21.19)$ $\text{Decl. } 0.87$
 $\text{Merid. } 9^a$ $0^h 0' 21".72$

α Virginis 22.4 30.6 38.3 46.9 55.5 18 13

F	B	L	e	1	11
14. 50	50	50	52	72.50	27.448 13.9 14.26
5"	5"	5"	7"	72.40	27.443 14.0 16.23. Merid.
2	1	2	4	72.40	27.445 11 54 9
3	2	3	4	72.37	56 15
5	5	5	7	72.40	58 22
1. 45	11	9	10	72.50	27.426 +14.4 +18.84
8	44	20	18	20	21 72.80 27.369 +14.0 +10.68 49' 19" L. B.
5	57	48	47	48	48 73.00 27.377 +14.0 +10.40 53 56
55	51	53	54	72.80	53 56
52	51	52	52	72.90 ²	55 36
50	49	49	50	72.90	57 12
48	47	48	49	73.00	1 39
7	48	0	56	59	58 72.90 +10.02
15	57	46	48	46	47 72.71 27.422 +13.7 +9.60
44	46	44	46	72.69	G. 11
41	46	46	47	72.69	8. 58
45	52	49	50	72.66	12. 17
52	52	53	52	72.68	14. 19
57	47	58.1	59	0	72.95

$T. 72.53$ $S. 13.0$ $A. 18.7$
 $T. 72.75$ $S. 16.0$ $A. 19.8$

$T. 72.78$ $S. 13.2$ $A. 10.4$

Luce L.I.	2.9	11.9	20.7	29.2	38.7	Feb 13	13
Bluf. min.	57.5	29.5	59.7	30.8	3.7	Sh 14	14
10. Mrs. min.	47.9	6.0	15.0	13.5	22.5		13
	11.8	5.0		19.0	7.5		
α Virginij.	22.6	30.7	38.9	47.1	55.9	18	13
α Bootij	56.6	5.3	13.6	22.5	31.5	10	14
α Librae	27.6	36.4	44.6				
α Librae		55.9	4.5	13.5		14	14
Bluf. min.	57.7	29.5	59.7	31.3	3.7	Sh 14	14
18. O L. I	2.6	11.4	20.2	29.0	8.2	46	5
II.		29.5	38.7	47.4	56.7	47	
21. Mrs. min.	7.0		25.0				13
α Virginis	32.0	41.4	49.6	57.7	6.7	19	13
α Bootij	6.7	13.7	26.4	32.5	42.0	10	14

α 28' 17" +22.2 - 21.5
 β 36' 20" 22.4 21.3
 γ 5' 53" +22.3 - 20.2
 δ 14' 21" 13.5 +22.0 - 20.7
 $a + 0.864$ β 14' 22" - 1' 41" + 132' accel. 0.227
 $b + 0.143$ γ 16' 9" δ x = -24" 004 dec. 1.418
 merid. α 0' 24" 91

Limbi Solij male determinati.
 α Mrs. min. observatio nubibus impedita
 $+22.8 - 21.1$ } Az. + 6.8. T. 8 31 44
 $22.3 21.0$ } T. 14. 42 .0.
 $a = +0.907$ β 14' 22" x = -1' 51" 614 dec. 0.749
 $b = +0.129$ γ 8' 32" x = -44" 65 dec. 0.76
 merid. α 0' 45" 13

9	24	28	25	24	73.03	27.430	+13.3	+9.62	47.	15	V=71.57	M 21.7	Lib.0 (L. B)
2	41	11	11	10	72.60	27.438	+13.2						
47	46	47	48	47	72.90	27.408	14.0	+12.02					7.72.50 Lib.1 A 19.3.
57	51	49	50	52	72.60								
50	48	49	51	72.70									
50	48	48	50	72.80									
49	47	47	49	72.88									
47	55	52	52	54	72.50			+11.80					
28	14	10	12	14	72.97	27.411	+13.9	+11.40.					V 72.80 Lib.2 A 20.2
50	18	17	16	18	72.80	27.410	13.9	+10.60					
41	14	15	14	15	72.90			+10.60					
21	18	16	16	18	72.90	27.530	+14.7	+18.60	46' 18"	L. A.			
57	50	50	52	72.68									T. 72.52 Lib.4 A 20.0
46	45	46	46	72.93									
48	56	58	57	72.90	27.232	13.5	+11.88	8					
28	11	10	11	14	72.98			+10.62					

Junio 1 h

2^a d'Libra 35.2 46.7 49.0

d'Libra 6.5 14.5 23.6 44 14

β Urs. min. 7.7 39.3 9.7 41.0 13.8 54 14

2^a d'Libra min. 11.5 39.3 40.7 39.3 49.0 13
 54 49 4 9 14
 58 0 8 20
 57.5 30.0 — 46.0 35.3

A = +7.0 (male refum)

α Virginis 35.5 43.4 52.2 9.3 9.4 19 13

γ Urs. maj. 52.2 5.1 17.6 30.7 43.7 43 13

α Bootis 9.5 18.0 26.6 35.3 44.5 10 14

α Librae 40.6 49.1 57.6

ε Librae — 9.1 17.9 26.3 44 14

β Urs. min. 10.9 41.8 12.4 43.4 17.0 54 14

3^a Juli 3^a d'Libra min. 28.0 35.3 33.7 40.6 0.3 1
 55 0 5 10 16
 — 26.0 — 45.4 38.0

α Arietis 2.9 11.6 20.6 29.4 38.6 0 2

α Ceti 48.3 56.4 44.5 42.5 21.3 56 2

F b i e i

F. 72.85 S 11.3 A 20.8

0.16 15 14 16 72.64 27.236 13.2 +10.04

41.8 9 10 10 72.60 +10.00

44 48 48 48 72.06 27.282 +13.7 +14.20

47.49 53 52 52 72.00 27.2 +11.11

50 52 53 52 72.01 +11.51

46 50 49 49 72.05 +11.33

45 48 48 49 72.04 2.1

7.59 60 62 58 71.79 +14.00

N 72.69 S 15.8 M 20.1

42.27 49 47 46 72.80 27.294 +13.6 +13.42

48.10 10 8 12 72.97 +12.66

50.16 20 18 16 72.86 27.318 +13.7 +12.02

72.58 S 16.2 M 19.8

41.7 10 10 9 72.75 +12.00

6 10 9 9 72.80 27.436 +13.3 +12.08

0.58 2 3 2 72.80 55.28

1 5 3 4 72.60 58.17

4 8 7 8 72.71 0.30

6 8 8 7 72.59 3.40

5.0 4 1 2 72.51 27.455 +13.3 +13.06

N 72.68 S 16.0 M 20.9

59.22 24 24 24 72.82 27.456 +13.6 +14.08

	1	2	3	4	5	6	7	8	9	10	11	12
α Bersei	44.3	57.3	9.7	—	35.3	15	3					
α Tauri	37.7	46.3	54.7	3.4	12.4	29	4					
Veneris L. I	22.18.7	27.6	36.1	45.0	54.6	8	5					
Mercur. L. I	22.25.3	34.3	42.1	51.4	0.7	35	5					
Julii L. I	38.9	45.1	56.3	5.1	14.4	52	6					
L. II	—	—	13.2	22.6	32.2	54	6					
Max. min.	26.0	36.0	32.3	42.0	2.3		1					
α Urf. min.	41.3	29.0	—	44.0	38.4							
α Arietis	2.6	12.4	20.9	29.9	39.4	0	2					
α Ceti	48.6	57.3	5.5	13.7	21.8	56	2					
α Bersei	45.3	54.2	10.0	22.4	35.7	15	3					
α Tauri	38.6	47.3	55.3	3.7	12.8	29	4					
Ven. L. II	30.4	39.3	47.6	56.5	5.6	14	5					
S. Solis L. I	46.4	55.0	3.5	12.3	21.9	56	6					
II	—	12.5	21.3	30.2	39.6	58	6					
6 Solis L. I	—	3.3	11.8	20.4	29.9	0	76					
L. II	—	—	28.7	37.3	47.1	2	76					

$F = 20^h 34' 1'' + 21.7 - 20.9$
 $S = 3 \quad 21.40 \quad 21.7 \quad 20.5$
 $a = +0.0777 \quad \text{Seyff. } 3^h 13' x = -1' 58.610 \text{ accel. } 0.734$
 $b = +0.094 \quad \text{Seyff. } 6.20^h 34' x = -0.56, 27 \text{ accel. } 1.22$
 Male visus (Merid 42) = $0^h 0' 56.41$
 $a = +0.909 \quad S. 3^h 10' x = -1' 59.087 \text{ acc. diam. } 0.477$
 $b = +0.001 \quad S. 21.57 x = -0.57.03 \text{ accel. } 0.71$
 Merid. 52 = $0^h 0' 57.10$

Limbi Solis nimioque tremulantes.

F b l e i "

52	54	52	52	72.57	27.456	+13.6	+14.40
40	45	44	44	72.52	27.467	+13.7	+14.60
6	10	6	8	72.51	27.469	+14.1	+15.40
25	28	27	27	72.51	27.473	+14.3	+15.80
11	13	11	10	72.53	27.466	+14.7	+16.48
4	8	7	7	72.50	27.543	+14.5	+15.40
57	62	63	62	72.60			55. 26
56	64	63	64	72.54			57. 25
2	6	5	6	72.52			0. 36
2	7	6	6	72.51			3. 28
5.4	7	6	5	72.75	27.554	+14.7	+16.42
9.21	24	23	22	72.58	27.556	+14.7	+17.42
10.53	54	54	54	72.68			+17.80
6.44	46	45	46	72.88			+19.80
18.18	20	18	18	72.70	27.563	+15.2	+20.60
22.56	52	52	55	72.54	27.570	+15.5	+20.60
7.9							56. 40 Limbi male determ. L.A.
9	9	6	6	72.00	27.556	+16.0	+22.480

N = 72.71 S 15.7 M 17.9.

N = 72.52 S 16.4 M 18.9

N = 72.75 S 15.6 M 19.1

Limbi male determ. L.A.

572 L.A.

