

III.

Manuale observationum astronomicarum
anni 1844.

1. h

June 3.	α Urs. min.	57 2 19.0	3 8.7 6.5	6 19.8 —	15 10.0 16.5	18 19.3 5.5
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June 12.	α Androm.	54.6	4.4	13.6	22.8	32.5	6	0
	γ Pegasi.	48.6	57.6	6.9	14.5	27.1	11	0
	α Urs. min.	9.0 2 31.7	27.7 4 25.5	32.8 8 —	28.6 19 34.5	40.6 18 22.7	—	1

Arum. ast. + S. 8.
 $J. 19^h 1' 21'' \pm 20.2 - 22.4$
 $J. 0^m 33^s 30^{\circ} \pm 21.8 - 21.0$
 $a = +0.8647$ $\text{hyp. } 0^h 41' x = -6' 1.503 \text{ Ar. } 1.67$
 $b = -0.0497$ $\text{Sext. } 19^h 1' x = +0' 39.21 \text{ Rel. } 0.28$
 Merid. 13^h Junii. 23^h 59' 20.78

α Arctis 57.8 7.4 16.7 24.7 33.8 4.2

N P F h i e

28	27	30	29	16.7	16.0	78.55	27.584	+16.0	+14.9	F. 78.00 N 14.9 S 18.1
40.57	37	32	35	35	16.0	16.8	78.39			57. 10
31	30	32	32	16.4	16.1	78.49				59. 46
30	29	32	30	16.8	16.0	78.51				2. 46
29	28	31	29	16.9	16.0	78.56				5. 41
30	28	31	31	16.2	16.2	78.50				11. 43
31	28	32	31	15.5	17.0	78.26				15. 58

340.43	40	42	43	41	18.0	18.4	78.10			+13.3	F. 78.33 N 19.0 S 17.0
326.49	15	18	20	17	18.6	17.9	78.28	27.238	+13.3	+12.4	
30	28	31	31	20.0	16.0	78.64	27.234	+13.5	+12.8		F. 78.30 N 18.4 S 17.7

40.57	35	32	36	36	20.0	16.1	78.50				57. 46
32	30	34	32	19.4	16.9	78.43					0. 43
30	28	32	32	19.7	16.4	78.50					2. 18
30	28	31	31	20.0	16.0	78.65					6. 15
30	28	32	32	19.2	16.9	78.50					12. 27
32	29	33	33	18.7	17.9	78.50					16. 18
335.12	30	31	32	30	16.9	19.1	77.97	27.236	+13.5	+13.6	

Jun 15. α Ursae min ⁵⁷ 29.7 ² 52.0 ⁷ 49.0 ¹² 55.0 — — 13 Az. + 6.0
¹¹ 58.4 ³ 46.7 — ¹¹ 56.5 ¹³ 48.6 —
 $\lambda = +0.862$ $\mu = 14' 51'' \lambda = -6' 6.6''$ Acc. 1.99
 $b = -0.090$ $\mu = 10' 49'' \lambda = +0' 39.13$ Acc. 0.00

α Bootis 16.0 25.4 27.7 42.5 51.4 14 14
 α Librae — — 14.6 23.0 31.5 46 14 +21.3 -21.1
 β Ursa min. 23.7 56.6 27.5 58.2 30.2 58 14 20.0 22.8
 α Cor. bor. 48.1 57.8 7.3 16.0 25.6 34 15 $L = 16^h 31' 45''$
 α Serpent. 18.7 27.7 36.0 43.8 52.2 42 15 $L = 10 49 2$
 α Scorpü 31.7 40.9 50.3 59.2 8.4 26 16
 Jovis I 31.3 ^{31.3} ^{40.4} ^{49.5} ~~42.4~~ ~~X 49.5~~
 II. 40.4 49.5 10.5 1.4 10.5 56 16

α Herculis 16.6 25.6 32.7 41.8 50.8 13 17
 α Spiculi 26.0 34.7 43.5 51.6 59.7 33 17
 γ Draconis 38.5 52.5 5.6 18.4 31.6 59 17
 α Saturni Cent 39.1 48.0 57.0 5.6 14.7 7 18

					N	S	F	B	L	e	
	4	2	6	6	16.0	19.0	77.80	27.468	+14.1	+12.3	
44.1.	61	57	62	62	16.0	19.0	77.54				57. 34
2.	2	0	3	3	16.0	19.1	77.83				59. 42
2.	3	0	3	4	15.9	19.1	77.82				1. 45
	4	2	5	6	15.9	19.1	77.80				5. 26
	4	2	6	6	16.0	19.0	77.82				11. 6
304.	9.18	15	18	15	19.0	16.0	78.50				Martij Centr.
202.	11.55	53	57	54	17.0	18.1	78.00			+11.7	J. 78.02 N 17.1 S 18.1
2.	27.3	3	5	5	17.0	18.7	78.00			+11.3	
332.	31.35	36	38	37	17.6	18.0	78.10	27.470	+12.7	+11.0	J. 78.15 N 17.3 S 18.0
297.	9.31	26	30	28	19.0	16.5	78.43	27.470	+13.6	+10.3	J. 78.10 N 17.6 S 18.0
27.	18.28	24	28	30	18.9	17.0	78.34			+10.3	
339	45.58	58	60	58	17.7	18.4	78.00	27.470	+13.4	+10.1	
319	27.0	0	3	0	19.5	16.5	78.45				
286	29.3	2	4	2	18.7	18.0	77.97	27.473	+13.2	+9.9	
290	42.10	9	12	10	20.9	16.5	78.53			+9.7	L.A.
											L.A.
327	5.36	37	38	38	19.1	18.0	78.04	27.475	+13.0	+10.0	
325	12.0	59	2	0	20.2	17.0	78.42			+10.0	
4	1.5	4	7	7	20.0	17.0	78.43	27.473	+12.9		J. 78.40 N 20.0 S 17.0
290	9.30	24	31	29	18.6	18.6	77.90			+10.2	

Junii 17. d. Urs. min. ⁵⁷ 47.7 ² 58.5 ⁷ 59.7 ¹³ 1.0 ¹⁸ 17.8
³ 4.2 ³ 59.6 — ¹² 7.8 ¹⁷ 57.3

Azim. + 5.3.

Martij L.I. 54.7 3.3 11.6 — 28.2 21. 13 + 21.9 - 22.1
 η Urs. maj. 3.6 19.6 29.7 42.3 55.5 47. 13 21.2 23.0
 Junii 21. α Urs. min. ⁵⁷ 57.7 ³ 9.5 ⁸ 7.5 ¹³ 15.0 ¹⁸ 52.0
² 18.7 ⁴ 7.9 — ¹² 16.0 ¹⁴ 8.3

Azim. + 5.5.

$a = +0.800$ } Scyf. 14' 59" x = -6' 18.342 Acc. 1.98
 $b = -0.080$ }
 Ferrb. 9 13 x = +0' 39.76 Red. 0.106
 Merid. 22 Junii 23' 59' 20.17

Martij L.I. 38.7 47.4 55.7 3.8 12.3 25' 13 - 20.4 + 19.9 J. 9 13 67
 20.9 19.1 S. 15 19 25 }
 η Urs. maj. 11.6 25.4 37.8 50.3 5.9 48 13
 α Bootis 27.9 37.2 45.7 54.4 3.6 15 14
 x Libra 57.8 6.6 15.2 23.6 32.0 48 14
 β Urs. min. 35.5 7.7 39.4 9.5 41.6 58 14

N P F B l e

	7	5	9	8	20.0	16.0	78.52	27.539	+13.4	+11.8		
4h.2.	2	0	7	2	20.8	15.7	78.60				56.	51
	4	2	6	5	20.3	16.0	78.58				0.	10
	6	4	7	7	20.2	16.0	78.55				1.	50
	7	5	8	8	20.0	16.0	78.52				5.	59
	7	5	8	8	20.3	16.0	78.58				11.	43
	6	4	8	7	20.9	15.4	78.84				16.	7
303.56.34	14	16	14	21.0	15.4	78.84			+11.2			
2.37.4	6	10	8	21.4	15.0	78.89			+10.6			
	7	6	10	10	19.0	15.0	78.59	27.614	+15.1	+17.2		
4h.2.	2	0	4	4	19.4	14.9	78.74				57.	59
	3	1	6	5	18.7	15.0	78.64				0.	3
	5	3	7	7	19.0	15.0	78.59				2.	10
	7	5	10	10	19.0	15.0	78.55				5.	52
	7	5	10	9	19.0	14.9	78.67				12.	0
	6	4	8	8	19.9	15.9	78.95				16.	9
303.27.50	50	50	52	51	19.8	14.0	78.68			+16.9.		
2.37.5	6	9	10	19.4	14.1	78.70			+16.4.			
332.31.40	41	44	43	19.8	14.0	78.70	27.627	+15.1	+15.9			
297.12.10	8	12	10	19.9	14.0	78.72	27.642	+15.0	+15.3			
27.18.30	28	30	32	19.1	14.9	78.65			+15.2.			

F 78.70 N 20.9 S 15.6

Martij Centrum.

Centr.

F. 78.70 N. 19.8 S. 14.0

F 79.12 N 20.3 S 13.4

1 h

Junii 22. γ U. maj. 13.7 27.5 40.2 52.3 5.5 46 13
 α Librae 11.6 20.1 26.7 37.1 17.6 46 14
 β U. min. 27.4 9.7 41.7 11.7 42.7 56 14
 α Corone bor. 2.6 11.8 21.3 30.3 39.5 34 15
 α Serpentis 33.6 41.6 50.3 58.1 6.5 43 15
 α Scorpii 45.6 55.1 4.1 12.8 22.3 26 16

Az^{est} +6.0
 +18.1 -19.7
 17.4 19.8

Die 23. Junii Circulus ad Orientem trans.
 latus.
 Azim. est +6.6
 +16.6 -18.5
 17.7 17.0

Junii 23. α U. min. 51.5 12.5 14.7 — — 13
 2 12
 14.0 — — 18.0 — —

α Virginis 57.7 6.4 14.4 22.6 31.3 23 13
 Martij I. I. 44.6 52.7 1.1 9.3 17.9 27 13
 α Bootij. 32.5 41.6 50.2 58.6 7.7 15 14
 α Corone bor. 5.4 14.4 23.5 32.7 52.0 34 15
 α Serpentis 35.7 44.5 52.3 0.6 9.0 43 15
 α Scorpii 48.3 57.5 6.4 15.5 24.7 26 16

S = 16^h 42' 33"
 F = 10 28 3

N P F B e e

2. 27. 5 6 8 8 17.0 15.0 78.24 +19.7
 297. 2. 23 21 25 22 16.0 16.4 77.94 27.610 +16.0 +18.2
 27. 16. 30 26 30 30 16.0 16.3 77.93 +16.1
 339 46 0 59 0 0 15.9 16.6 77.95 27.612 +16.2 +17.8
 319 27 2 1 2 1 17.0 15.4 78.34
 286 28 57 55 57 56 15.9 16.8 77.80 27.612 +16.2 +16.3
 27 27 30 27 13.9 16.4 62.77
 515. 57. 32 31 34 32 13.3 16.9 62.82 57. 35
 30 30 32 29 13.4 16.8 62.80 0. 6
 27 27 30 27 14.0 16.1 62.74 10. 21
 27 27 30 27 14.0 16.1 62.58 12. 18
 29 29 31 28 14.1 16.0 62.59 27.424 +18.0 +21.3 16. 6
 57. 47. 42 40 43 43 13.7 16.4 62.70
 56. 47. 4 2 5 3 14.0 16.2 62.66 +20.8
 27. 27. 55 52 55 55 13.5 16.1 62.60 27.423 +18.0 +19.0
 20 13 34 33 34 34 14.0 16.8 62.86 27.417 +17.6 +17.6
 40 32 39 35 35 38 14.0 17.0 62.82 +17.5
 73 30 38 38 41 39 13.9 17.1 62.80 27.415 +17.5 +16.9

F. 78.25 N. 7.0 S. 15.3

F. 78.03 N. 6.0 S. 16.1

Centr.

F. 78.54 N. 5.0 S. 15.9

F. 78.78 N. 4.0 S. 17.0

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
α Arietis	23.6	32.6	41.3	50.3	59.5	4	2													
δ Junii	57	7	8	13	18															
α Urs. min	55.5	10.5	19.5	11.6	25.0		13													
	2	4		12	14															
	16.5	10.0		19.0	8.8															
α Virginis																				
α Virginis			18.7	26.7	35.7	23	13													
Markis I	5.7	14.0	22.2	30.5	39.1	30	13													
η Urs. mij.			46.6	59.1	12.3	46	13													
α Bootis	36.7	45.7	54.5	7.3	12.1	15	14													
α Cor. bor.	9.4	18.6	27.6	36.7	46.5	34	15													
α Serpent.	39.8	48.4	56.4	4.6	13.3	43	15													
α Scorpii	52.0	1.6	10.4	19.4	28.7	26	16													
Jovis I	22.0	30.9	39.6	48.6		50	16													
II			51.6	0.8	51	16														
α Perseus	37.4	45.9	54.4	2.7	11.6	14	17													
α Cassiopei	46.8	55.4	3.5	12.0	20.7	34	17													
γ Draconis	59.6	13.0	25.7	39.2	52.6	59	17													

Azim. ast. + 7.7
 S 15. 49. 35 + 14.0 - 17.4
 F 9. 23. 20 + 15.1 - 16.1
 a = +1,019 } Seyff. 15^h 29' x = -6' 27" 379 Dec. 1.76
 b = -0,153 }
 Leibauer 9^h 23' x = +42.39 Prod. diurna 0,525

	N	P	F	B	v	e			
	2	2	2	2	13.2	16.9	62.93		19. 33
	24.46.2	1	1	2	13.2	16.8	62.80	27.505	+18.1 +18.7
	27	26	28	26	13.0	14.0	62.72	27.536	+20.0 +23.8
	315.57.52.29	31	29	14.0	13.4	62.31			58. 18
	30	28	30	28	13.6	13.7	62.50		0. 15 α Urs. min. tremulans.
	29	27	29	28	13.2	14.0	62.64		3. 10
	29	27	30	27	12.9	13.5	62.60		14. 22
	30	28	31	28	14.0	13.3	62.36		16. 57
	57.47.39	39	41	39	13.3	13.9	62.28		+20.4
	57.11.3	1	5	4	13.0	14.0	62.17	27.539	+20.0 +20.3
	357.22.25	25	28	27	12.4	13.8	62.26		+22.5
	27.27.56	3	5	55	13.1	12.8	62.64	27.537	+20.2 +22.7
	20.13.33	32	33	35	13.1	14.0	62.80	27.548	+19.7 +20.9
	40.32.35	33	35	34	13.1	14.0	62.77		+20.8
	79.30.43	39	43	43	13.8	14.1	62.54	27.550	+19.6 +20.3
	69.9.40	40	42	43	14.0	14.1	62.50	27.552	+19.5 +20.3
	32.57.57	52	54	55	13.0	15.0	62.77		+20.0
	34.47.55	35	36	38	12.8	13.5	62.93	27.556	+19.4 +19.9
	355.58.26	27	30	29	13.1	15.0	62.70		

Centr.
 J. 62.40 N 12.5 S 12.3
 J. 62.60 N 13.6 S 12.0
 J. d.
 J. 62.77 N 13.0 S 12.0
 J. 62.70 N 13.0 S 12.0

1 h

α Virginis 37.7 49.7 53.8 2.4 11.0 24 13
 β Virginis 45.5 54.5 52.7 57.0 16.0
 γ Virginis 59.5 48.0 — 57.7 54.5

Arim. est. +0.8
 +11.6 - 19.9
 12.0 18.7
 J 20^h 47' 25"
 P. 4 28 55

α Arietis 1.5 10.8 19.5 28.4 37.6 5 2
 α Ceti 47.7 55.5 3.8 12.2 20.5 1 3
 α Persei 41.4 54.2 6.2 19.0 31.7 20 3
 α Tauri 36.6 45.2 53.6 2.4 11.3 34 4
 β Orionis - - 58.7 6.9 15.5 14 5
 β Tauri 1.5 11.2 20.3 29.3 39.4 23 5
~~24.4 34.7 44.2 54.8 64.5 74.1~~

Juli 17^a 4^h 3^m x = -7^h 3^m 21^s accel. d. = 1^h 73^m 36^s Legff.
 Feilbauer 20^h 47^m x = +41^h 40^m accel. d. = 0^h 0^m 18^s
 Merid. die 18^a Juli = 23^h 59^m 18^s B x
 a = +0.270
 b = -0.332
 c = +0.092

W P F b l e

35	32	36	34	11.9	16.1	62.56				1.	12
34	32	35	32	11.3	16.2	62.56				3.	55
31	30	31	29	11.3	16.6	62.60				7.	23
31	30	31	30	12.0	16.0	62.58				15.	18
32	31	32	31	12.1	15.8	62.58				17.	33
33	32	35	32	13.0	15.1	62.22				19.	30
57.	47.	39	39	41	40	13.0	15.0	62.15			+22.0
4	4	6	5	12.8	15.2	62.28	27.544		+19.7	+18.5	
19.	18	60	62	59	12.0	16.0	62.56			59.	33
2.	258	2	3	2	12.9	15.2	62.28			2.	47
4	4	5	5	12.9	15.1	62.30				8.	17
3	4	5	5	12.2	15.4	62.32				13.	55
3	3	4	3	11.9	16.1	62.60				17.	25

24.	45.	57	57	58	61	11.2	17.0	62.63	27.547	+19.5	+18.7	
44.	0.	12	9	11	13	11.2	16.9	62.57	27.544	+19.6	+19.6	
358.	11.	33	34	36	37	12.8	15.9	62.28			+20.0	
31.	17.	17	16	17	20	11.1	16.5	62.50	27.531	+20.0	+21.9	
55.	50.	58	56	59	56	11.1	16.0	62.49	27.535	+20.2	+23.4	
19.	0.	40	37	40	41	11.1	16.0	62.50			+23.7	

J 62.40 Sib. 8 N 12.1
 J. 62.36 Sib. 0 N 12.0
 J. 62.44 Sib. 9 N 11.4
 J. 62.37 Sib. 0 N 11.2
 J 61.41 Sib. 0 N 15.1

α Virginis 28.6 37.7 45.4 56.6 2.5 17 13 $+10.6 - 18.5$
 α Martis Cent. 57.5 5.4 13.5 22.3 31.2 2 14 $\frac{10.6}{17.0} A = +1.75$ 1.9
 α Bootis 3.3 12.1 20.9 29.8 38.8 8 14 $\frac{a=+0.056}{b=-0.496}{c=+0.092}$ $\frac{13^{\circ}42'x=+6^{\circ}62'}{11}$
 α Ulf. min. $\left. \begin{matrix} 52 & 58 & 2 & 7 & 13 \\ 44.0 & 54.0 & 54.5 & 47.5 & 22.0 \\ 57. & 58 & & 7 & 8 \\ 2.0 & 46.7 & - & 4.7 & 57.0 \end{matrix} \right\} \alpha$

α Arietis - - 8.5 17.8 27.4 58 1
 α Ceti 37.6 45.3 53.3 2.0 10.3 54 2
 α Bergei 31.4 44.1 56.5 9.2 22.1 13 3
 Julii 28 α Ulf. min. $\left. \begin{matrix} 52 \\ 6.0 & - & - & 25.0 & 4 & 13 \\ 56 & & & 6 & & \\ 25.0 & - & - & 20.6 & - & \end{matrix} \right\}$ Stella tremulans
 Azimuthum = 0.0 optime visum.

α Virginis 24.4 33.4 - - - 16 13 Stellae pallidae sunt, et trano Nubes obser.
 α Bootis 59.6 8.6 16.7 25.3 34.6 8 14 α Martis Cent. 30.6 39.1 47.5 56.2 14 14 α Ulf. min.

W S F M L C
 20 23 23 22 12.5 14.5 61.59
 57.47.36 40 40 40 10.5 15.6 61.75 +22.9
 61.22.47 49 47 49 10.2 16.2 61.83 +22.5
 27.27.48 50 49 52 11.3 15.2 61.65 27.357 +21.1
 2. 2 4 6 5 12.2 16.9 61.90
 319.1. 55 59 60 60 12.1 16.9 61.92 27.286 +18.1 +15.3 52. 44
 2. 4 3 5 4 12.2 16.9 61.98 27.286 +18.1 15.3 58. 4
 2. 2 3 3 4 12.1 17.0 62.00 7. 47
 2 3 3 10.3 17.0 62.39 13. 12
 24.45. 54 52 54 58 11.4 18.0 61.91 27.296 +18.6 +15.8 61.90. 17.8. 11.4
 44. 0. 8 6 13 13 10.8 18.6 62.13 27.303 +19.3 +16.2 61.73. 17.1. 12.4
 358.11 34 34 38 38 12.2 17.6 61.94 +15.7
 315.57.36 34 36 38 14.0 17.0 61.55' 51. 52
 31 32 36 32 12.4 18.1 61.92 55. 58
 57. 30 29 32 30 14.0 17.1 61.54 4. 53
 27 30 33 32 14.1 17.0 61.52 6. 55
 57.47.42 39 40 41 13.0 17.6 61.60 27.334 +18.1 +19.4
 27.27.46 47 51 52 13.2 17.0 61.59 27.332 +18.3 +18.6
 62.27.20 26 26 26 13.2 17.1 61.68
 } Omnes hodie insitutae
 } observationes trano
 } Nubes factae sunt.
 } trano Nubes

α Coronae 31.6 41.2 50.3 59.3 9.4 28 15

α Serpentis 2.3 10.9 19.1 27.5 35.9 36 15

α Perseus L.I 52.9 1.8 10.3 34

L.II 22.6 31.6 34 16

α Cygni 18.6 26.6 34.6 43.6 27 17

~~27.0 28.1 4.0 34.1 5.5~~
~~32.3 4.0 28.7 49.8~~

July 31 β Ulf. min 32.3 4.0 34.1 5.5 52 2^h

27.0 38.8 28.7 39.8 52

α Bersei 27.3 39.9 52.0 4.8 17.7 13 3

α Tauri 22.7 31.0 39.3 47.6 56.6 26 4

α Aurigae 25.2 37.1 48.5 59.9 12.7 5 5

β Tauri 47.3 56.6 5.7 15.0 24.6 16 5

α Orionis 8.1 16.3 24.4 32.6 41.4 46 5

August 2 β Ulf. min 27.6 39.2 29.4 39.7 51

α Bersei 27.2 40.4 52.3 5.3 18.2 13 3

α Tauri 22.7 31.6 39.5 48.3 57.2 26 4

α Aurigae 25.6 37.6 49.0 0.6 13.3 5 5

July 28^a $a = -0.156$ $b = -0.472$
 $c = +0.092$

Seyff. 15^h 40' $x = +10.675$ Rel. diurna = 0.66

Leibauer 9^h 28' $x = +42.97$ Rel. diurna + 0.143

July 31 Azim. al. sim. 0.9 + 15.7 - 21.7
 $a = -0.104$ $b = -0.486$ $c = +0.092$

Seyff. 4^h 45' $x = +11.692$ Rel. = 0.25

Leib. 20^h 59' $x = +43.79$ Rel. = 0.25

Seyff. 4^h 45' $x = +11.670$ Rel. = 0.264

July 31 Azim. - 1.5 (male vitum et difficile al. sim.)

Seyff. 4^h 43' $x = +11.132$ Rel. = 0.26

$a = -0.173$ $b = -0.440$ $c = +0.092$

N P F D L E

20.13.27 26 26 24 13.2 17.5 61.72 27.350 +17.9 +16.7

40.32.31 31 30 34 13.7 17.2 61.62

61.51 27.376 +17.7 +15.6

34.47.26 28 27 30 13.7 18.0 61.61 27.372 +17.2 +14.9

Centrum Observaciones
dubiae ob Nubes.

52' 4" $F = 61.74$ $S = 19.7$ $N = 13.7$

202. 18.42 42 43 47 14.9 13.7 61.44 27.334 +15.7 +13.3 52' 4"

358.11 30 32 33 34 14.9 18.3 61.42 27.334 +15.9 +13.5

31.17.14 12 16 17 13.6 19.2 61.71 27.334 +16.0 +15.1

1.39.13 9 15 13 14.0 19.0 61.63 27.331 +16.3 +16.0

19.0.37 35 40 42 13.7 19.2 61.79

40.5.42 46 47 48 14.2 13.6 61.41 27.332 +16.3 +17.1

302.18.50 47 50 53 14.1 21.7 61.77 27.574 +13.7 +10.1 57' 7"

358.11.31 32 36 36 15.2 20.9 61.51 27.515 +13.7 +10.8

31.17. 12 14 13 16 15.0 20.7 61.41 27.520 +14.2 +12.9

$F = 61.77$ $S = 21.0$ $N = 14.9$

$F = 61.51$ $S = 20.9$ $N = 15.0$

	1	2							
α Coron. bor.	30.5	39.4	48.7	57.7	7.6	28	15	+14.3 - 20.6	
α Scorpii	14.4	23.6	32.5	41.6	50.7	19	16	Blaf. min. } $a = -0.201$ 14.6 20.1 & Coronae } $b = -0.409$	
Jovis L. I	18.0	27.3	35.9				16		
Jovis L. II				47.6	56.5	39	16		
α Herculis	59.0	7.6	19.4	24.6	33.5	7	17		
α Sphechi	8.6	17.4	25.5	33.6	42.5	27	17		
Saturni Cent.	20.6	29.5	38.3	47.0	56.3	46	17		
γ Draconis	20.3	33.4	46.5	59.3	15.6	53	17		
β Ufae min.	54.3	19.2	28.6		11.0			Ex Blaf. min. & Sphechi $a = -0.059$ " " & Dracon. $a = -0.0133$	
		39.6			11.2				
β Ufae min.	49 ¹	50	51	52					
	57.5	22.1	3.5	33.7	6.1		2		
	50	26.7	37.9		28.0	29.6	51	2	
β Ufae min.	49	50	51	52					
	59.5	32.1	3.5	33.7	6.1	52	2	+15.5 - 20.7 Azimut. - 2.0 $a = -0.134$ 14.6 22.10 $b = -0.437$	
	50	25.9	37.9		51	28.0	39.8	52	2
α Tauri	22.5	30.7	39.2	47.1	56.7	26	4	Trans rubeo et male viva.	
$7\frac{1}{2}$ Blaf. minor	59.2	31.9	3.2	33.1	5.5	52	2	+16.0 - 22.2	
	58	26.3	37.0		51	28.3	39.1	51	+16.2 - 22.3
α Bersei	26.4	39.3	52.1	4.5	17.6	13	3	Azimut. = -2.0	
α Tauri	21.8	30.6	38.3	47.6	56.6	26	4		
α Aurigae	24.6	36.7	48.2	0.2	12.5	5	5		

	N	P	F	B	L	e							
	20.17	28	26	27	32	14.2	16.5	61.25	27.463	+17.7	+20.1		
	73	30	38	36	38	42	19.8	17.0	61.59		+18.6		
	66	57	22	25	26	26	19.7	16.5	61.50	27.460	+17.7	+18.3	Limb. bor.
	32	53	46	47	46	48	14.0	16.0	61.50	27.461	+17.7	+18.1	
	34	47	28	28	30	32	19.8	16.1	61.41	27.463	+17.3	+17.9	
	69	54	2	4	5	7	14.0	16.0	61.48		+17.7		Cent. h
	355	58	10	15	17	19	14.0	16.0	61.40	27.461	+17.6	+17.7	
	320	53	58	57	57	60	15.0	15.1	61.41	27.452	+17.8	+17.8	
	320	53	51	66	58	58	14.0	16.0	61.47				18. 33 27. 10
		54	60	58	56	15.0	16.0	61.44				21. 6	
		54	56	57	60	14.0	16.0	61.65				28. 10	
	302	18	46	43	45	50	15.0	17.2	61.55	27.429	+16.6	+16.4	F 61.64 S 17.8 N 14.4
	302	18	44	44	45	48	15.0	18.0	61.52	27.522	+16.2	+12.6	57. 24 F 61.49 S 17.8 N 15.2
	358	11	30	32	36	38	14.9	18.1	61.52	27.520	+16.2	+13.1	F 61.43 S 18.0 N 15.0
	31	17	7	9	11	14	14.8	18.2	61.53	27.525	+16.5	+14.4	

24.0 | 36.70