

#. 1838.

Manuale observationum

ad

Circulum Meridianum.

N.S.

Aug. 17 21 25 29 33  
19 Mus. min. 40.4 47.7 50.8 58.7 58.2

2. 3 1 4 4 23.0 16.7 27.575+15.6+13.2  
21.1. 57 56 58 58 21.0 18.7 17. 40  
2. 2 0 2 3 22.2 17.3 22. 10  
2. 2 0 3 3 22.0 17.3 29. 28  
1. 57 57 59 58 20.5 18.9 33. 40

21. α Aurigae 12.0 32.7 53.6 15.0 35.5 6 1 47 15 15 18 20 22.0 18.0 27.225+15.5+13.9  
β Tauri 39.6 56.4 12.8 29.5 45.6 17 19 8 36 34 35 36 22.0 18.0 +14.1  
γ Orionis 38.4 52.8 7.7 20.8 25 48 1 6 5 4 6 21.1 19.0  
δ Orionis 39.5 54.3 8.7 23.6 37.6 29 48 54 14 11 12 14 21.6 18.8 +14.4  
ε Orionis 3.7 18.6 33.2 48.1 2.5 48 40 13 39 35 36 38 21.7 18.9 27.230+15.5+14.9  
22. Mus. min. 50.5 50.0 40.5 41.5 49.5  
22 22 27 25 20.0 22.8 27.280+14.2+11.4

+19.5 -13.7  
13.1 20.0  
F. 20 29  
J. 6 55 40

α Can. maj. 38.5 52.7 8.8 24.4 39.2 39 64.4. 40 28 42 40 21.1 21.4 27.286+14.2+12.0  
Art. Centr. 17.2 32.1 48.8 4.9 20.5 15 24. 30. 13 12 15 15 21.4 21.2 27.292+14.3+12.7  
γ Gem. nor. 49.4 6.7 24.2 41.6 58. 25 14. 22. 22 20 26 28 21.5 21.2 +12.9  
α Can. min. 28.5 42.7 57.7 12.4 26.6 32 41. 57. 50 48 51 52 21.5 21.1 27.396+14.4  
24. Luna to I. 8.3 23.3 38.3 53.6 8.4 7 56 48 -  
α Herc. 55.5 10.6 25.5 40.7 55.6 8 33.1. 26 26 28 29 22.0 18.0 27.359+15.6+13.1

N.S.

α Cygnus 4.6 19.9 34.6 50.0 4.6 29 34. 52. 14 11 15 17 19.6 20.9 +17.0  
β. α Aurigae 10.6 31.8 52.6 15.7 - 6 1. 47. 18 19 21 23 22.0 22.0  
β Orionis - - - 7.7 22.1 8 55. 58. 50 46 52 50 21.1 23.6 27.562+13.1+9.5  
38.6 55.3 11.5 29.6 44.6 17 19. 8. 36 34 36 38 22.9 21.8 +9.7  
22.6 37.2 51.7 6.5 20.6 25

W=15.6 O=21.7  
22.6 16.9  
F=19h 34m 8.7  
J=6 40 40.0

1 Sep α Aurigae 8.8 29.7 50.6 11.6 32.2 6  
β Orionis 21.7 36.2 51.2 5.9 19.8 8  
β Tauri 36.3 52.9 9.3 26.4 42.4 17  
α Orionis 0.1 15.0 29.6 44.4 59.1 47  
Mus. min. - 24.5 34.0 37.5 45.0  
α Can. maj. - 50.7 5.3 20.4 35.4 39

W=21.0 O=15.3  
=16.5 =21.1

2 Len. α Aurigae 7.7 29.1 49.6 10.7 31.4 6  
β Orionis - - 50.1 4.9 19.7 8  
3 Sep β Tauri 35.7 52.0 8.7 25.4 41.7 17  
59.3 14.4 28.9 44.0 58.4 47  
17 21 25 29 33  
20.0 20.0 30.5 34.0 41.5

W=12.1 O=17.6  
17.6 12.0  
F=19h 28m 37.1  
J=6 30 50.0

5 Sep α Aurigae 7.7 29.1 49.6 10.7 31.4 6  
β Orionis - - 50.1 4.9 19.7 8  
18.0 32.6 47.7 2.5 16.9 8  
33.4 49.6 6.5 27.0 39.3 7  
57.4 11.9 26.2 41.2 55.9 47  
17 21 25 29  
19.5 17.0 28.0 30.5 -



N. 1.

12	Grönij	54.6	9.6	24.3	29.7	52.4	47	40.13.	45	39	40	45	15.7	28.8	27.672 + 14.9 + 11.1
	Urs. min	13.0	8.4	18.4	—	25.2			32	29	32	32	16.9	26.7	89. 50
		debile et dubia observ.						34.17.79	39	40	39	15.3	28.2	18.	10
								34	32	39	32	16.0	27.8	22.	16
								35	32	35	33	16.5	26.9	30.	32
														21.672 + 14.9 + 12.1	
	Can. mj.	29.4	44.6	59.8	15.4	30.3	39	64.4.48	44	45	45	14.8	28.2		+12.9
	Sen. to II.	58.7	15.6	32.2	49.5	5.8	24	20.37.28							
	Gemin.	40.6	55.7	15.6	32.6	49.7	25	15.22.31	28	29	31	16.6	25.3		+18.9
	Canmin.	19.1	39.6	48.5	3.4	17.6	32	41.57.55	53	53	55	16.8	25.1	27.690 + 15.1	
	β Geminor.	50.6	7.4	23.6	40.5	56.4	36	19.12.2	57	58	0	14.9	27.0		+14.1
	Mart. Centr.	2.4	18.2	33.6	49.6	7.7	9	26.23.32	30	31	33	17.1	22.9	Cent. 27.701 + 15.6 + 15.1	
	Vener. to II.	6.6	21.5	36.4	51.6	6.3	56	33.52.18	18	18	20	16.5	22.1	Cent. 27.696 + 16.1 + 17.3	
	α Leonis.	13.6	28.6	43.4	58.5	19.4	1	34.52.1	58	59	2	14.7	24.0		
17	Urs. min	14.5	16.4	20.0				36	33	37	35	12.8	28.5	27.460 + 14.8 + 9.8	
								34.17.	40	39	41	40	12.4	28.2	18. 5
								38	35	39	37	12.4	26.5	21. 20	
								36	33	38	36	12.0	28.0	29. 47	
								36	33	38	36	12.0	28.0	29. 47	
	Can. mj.	24.9	40.7	55.7	10.5	25.4	39	64.4.45	40	44	42	13.5	28.0		+9.8
18	Urs. min	1.7	2.7	11.9	15.5	22.0		32	32	33	32	15.6	27.2	27.514 + 15.4 + 16.1	
								34.15.	38	36	40	38	17.3	25.4	16. 50
								35	35	37	36	16.1	26.1	18. 56	
								34	34	36	35	15.8	27.8	20. 52	
								35	33	32	32	16.0	27.1	29. 6	
								35	34	36	36	16.0	26.9	30. 2	

inter nubes

+ 20.6 - 14.0  
13.2 22.1  
F. 19 50 23  
L. 7 44 0

N. 1.

18	Can. mj.	24.4	39.6	54.6	10.2	24.7	39	64.4.42	40	43	43	15.6	27.6		+10.4	
	Geminor.	55.7	52.6	48.7	27.6	44.2	25	15.22.21	21	22	25	23.9	20.6		+10.8	
	Canmin.	13.7	28.6	42.2	58.3	12.5	32	41.57.52	50	50	52	22.7	22.0	27.588 + 18.9		
	β Geminor.	45.5	1.5	18.4	35.4	51.3	36	19.11.52	50	53	53	22.3	22.1		+10.6	
	Martio Centr.	26.6	42.4	58.6	13.3	28.6	24	27	8	4	3	6	6	24.0	19.7	Centr. 27.640 + 14.2 + 12.1
	α Leonis.	7.7	23.4	38.0	53.3	7.5	1	34.50.52	50	52	53	24.0	17.0	27.552 + 15.4 + 14.3		
	Vener. to II.	34.4	49.9	3.8	18.7	32.7	24	36.17.25	23	23	25	22.5	17.7	Centr. 27.551 + 16.6 + 14.8		
19	Urs. min.	4.0	2.5	10.7	14.2	22.5			28	27	30	29	20.2	20.9	27.517 + 14.7 + 10.2	
								34.13.	35	32	36	35	22.1	18.3	17. 29	
									31	30	32	31	20.8	19.5	19. 24	
									30	29	31	30	20.9	20.0	21. 19	
									28	28	30	30	20.4	20.1	22. 59	
									30	29	31	30	20.7	20.6	29. 0	
	Can. mj.	27.5	38.7	53.6	9.5	24.1	39	64.4.40	38	41	39	21.6	20.0		+10.4	
	Geminor.	34.4	51.8	9.7	26.8	42.6	25	19.22.26	25	26	28	21.9	21.4		+11.9	
	Can. min	13.4	27.8	42.7	57.6	11.6	32	41.57.52	49	52	53	21.7	21.8	27.524 + 14.4		
	β Geminor.	44.5	1.4	17.6	34.6	50.7	36	19.11.50	50	50	52	25.1	20.0		+12.0	
	Martio Centr.	58.7	14.4	29.6	45.6	0.7	27	27.15.56	55	56	58	24.0	18.0	Centr. 27.640 + 14.8 + 12.6		
	α Leonis.	7.4	22.4	37.7	52.4	6.7	1	34.50.55	53	54	56	21.0	19.2	27.546 + 15.6 + 15.0		
	Vener. to II.	16.6	31.3	46.3	1.3	17.6	29	36.42.47	45	47	48	25.0	14.2	Centr. 27.547 + 16.0 + 15.5		





N.E.

5	5	5	4	24.1	30.5	50.	48
4	58	58	60	25.0	29.5	53.	31
59	58	60	58	24.0	30.1	55.	49
55	57	57	55	20.6	31.0	57.	41
55	58	57	57	27.9	30.5	59.	28

85  
Nov  
4  
adonis 74.4 49.5 4.5 19.4 74.4 0 Observ. dubia

Off. in mensura diam.

4° 0' 0" 8" 52"

= 4.00987

Punct. inf.	97.13.32	30	31	29	28.1	26.7	+0.62
Punct. sup.	96.47.41	39	40	40	27.1	26.1	+0.34
Punct. inter.	97.47.51	30	51	29	28.1	26.7	+0.62
Punct. sup.	96.47.29	38	39	38	29.2	25.7	+0.14
Punct. inf.	97.13.31	29	30	29	29.2	25.8	+1.10
Punct. sup.	96.47.41	39	40	40	26.6	27.9	-0.45
Punct. inf.	97.12.31	28	30	29	28.7	26.0	+0.93
Punct. sup.	96.47.40	38	40	40	27.5	26.9	+0.21
Punct. inf.	97.12.32	31	32	31	26.5	27.8	-0.45
Punct. sup.	96.47.29	38	38	39	29.6	25.2	+1.52

Circulus ad Occident.

P. T	263.1.57	50	55	56	28.1	26.1	-0.69
P. S.	263.27.49	42	49	50	28.6	25.9	-0.93
	263.1.58	51	58	58	29.4	24.6	-1.65
	263.27.48	42	49	49	28.0	26.1	-0.65
	263.1.57	50	58	58	28.5	25.8	-0.93
	263.27.48	42	49	50	28.4	25.8	-0.90

N.E.

P. T	263.1.57	50	58	58	28.2	26.0	-0.76
P. S.	263.27.49	42	49	51	28.9	25.1	-1.31
P. i	263.1.58	51	59	59	28.4	25.8	-0.90
P. s.	263.27.48	41	48	50	28.1	26.0	-0.72

Circulus ad Orientem

Punct. inf. 97° 13'	31.12	Punct. sup. 96	47	40.34
	30.87			39.64
	30.85			39.55
	30.43			39.71
	31.05			40.02
Medium 97 13	30.864	Med. 96 47	39.852	

Diff. 25' 51.012

Circ. ad Occident.

Punct. inf. 263° 1'	53.81	Punct. sup. 263	27	46.57
	54.60			46.35
	54.82			46.35
	54.99			46.69
	55.85			46.03
Med. 263 1	54.814	263 27	46.398	
Dipl. D L = 194 11	36.050	193 19	53.454	Diff. 25' 51.584"
D L = 97 5	48.025	96 39	56.727	Med. 25' 51.298
Error collimat. = - 7	42.839	- 7	43.125	

Different. 25' 51.298 ut supra. §

Ca quibus observationibus extra nulla refractionis ratione habita

Diffantia puncti inferioris : 529.57 orbis vicinis.  
 Altitudo circuli meridiani supra punctum inf. 65° 425'

Nov. *Nel.* <sup>Wind. + 11'</sup>  
<sup>Wind. + 11'</sup>

Nov. 7	31.7	45.0	1.2	16.2	31.0	12	29.9	24.34	32	32	33	30.2	24.12	27.474	+8.7	+6.4
<i>d. Cephei</i>	31.2	2.2	37.1	4.0	16	14	22.44	46	48	48	30.0	26.0				
<i>d. Bisciaepha</i>	29.5	46.1	3.1	20.0	37.1	49	28.2	14.19	20	22	22	30.1	24.0	diffipata	+5.0	
<i>d. Begasi</i>	33.4	47.9	3.1	18.1	35.2	57	26.59	42	42	44	45	31.0	24.7	27.515	+8.0	
<i>d. Anom.</i>	—	—	27.7	40.0	56.4	0	34.0	51.6	6	5	8	29.3	27.5	diffipata	Stella	
<i>γ Begasi</i>	45.7	1.5	16.3	31.2	46.5	5	32.6	56.33	34	55	27	31.0	25.1	27.523	+8.7	+5.3
<i>βolaris</i>	55.0	46.5	51.7	50.0	57.7		4.58	57	57	59	29.0	27.0	27.532	+8.5	+4.7	

*J = 48' 44" W = 22.1 O = 33.1*  
*J = 22 54 20.0 W = 29.6 O = 25.4*  
*J 14 19' 10" 2 1 2 0 30.0 26.0 56. 27*  
*J 23 8 2.5 2 2 1 4 29.0 27.1 58. 7*  
*28.1 4 1 59 0 30.0 26.0 59. 57*

Nov. 8	28.1	9.4	52.1	34.7	16.7	28	22.29	42	41	39	41	29.0	26.0	27.517	+9.2	+5.7
—	—	—	48.3	3.3	17.9	57										
	29.5	46.0	3.1	19.8	36.9	49	25.2	14.22	22	21	22	30.0	26.4		+5.3	
	33.2	47.9	3.3	18.7	35.0	57	26.59	58	40	45	42	30.0	26.0	27.501	+8.4	
	50.4	7.7	23.6	40.0	56.6	0	34.0	51.6	6	6	8	29.5	27.9	27.511	+8.3	+5.0

*J = 9 0 15.0 W = 29.7 O = 25.2*  
*J = 0 13 0.0 W = 21.1 O = 34.0*

*Nel.*

	44	57	2	11	20											
	58.0	46.7	57.0	52.7	54.0											
	14.59	57	57	59	30.0	26.7	27.503	+8.2	+4.6							
	41.5	18.	19	17	19	30.1	26.5	44.	58							
			15	15	11	15	30.0	26.8	47.	2						
			12	11	11	12	30.2	26.6	48.	48						
			10	9	8	8	30.1	26.7	50.	26						
			6	6	6	6	30.0	26.8	55.	46						
			5	5	5	4	30.3	26.2	56.	2						
			4	4	2	4	30.6	26.0	58.	8						
			2	2	0	2	30.7	26.0	0.	4						

*J = 45.3 3.0 19.4 36.5 49 28.2 14.19 19 19 19 29.0 26.5 +5.4*  
*33.2 47.7 3.0 17.9 32.5 57 26.59 40 42 28 40 29.0 26.5 27.493 +8.6 +5.4*  
*50.6 6.6 27.6 39.5 56.1 0 34.0 51.10 7 8 9 30.0 26.1*  
*45.3 6.6 19.4 30.6 45.7 5 26.56 45 45 46 46 29.0 27.7 27.496 +8.6 +4.9*  
*52.2 17.7 44.0 9.7 55.6 32 8.17.48 50 50 52 30.0 26.7 27.496 +8.6 +4.8*

*J = 27 13.0 W = 21.1 O = 31.7*  
~~*J = 9 10 30.0 W = 24.2 O = 27.0*~~  
*W = 20.9 O = 33.5*  
*W = 30.5 O = 24.1*

	45	57	2	11	20											
	0.0	42.5	58.5	50.7	50.0											
	10 <sup>a</sup>	W = 21.1	O = 34.6													
	10 <sup>b</sup>	W = 31.5	O = 25.4													
	5	4	0	2	28.5	28.0	56.	0								
	—	6.5	23.2	39.4	56.2	0	34.0	51.9	8	6	8	29.0	27.1			
	45.4	0.7	15.6	30.2	45.7	5	26.56	41	29	26	28	32.0	24.0	27.347	+8.6	+4.3
	52.2	17.8	44.2	9.7	35.0	32	8.17.51	50	50	50	30.0	27.0	27.351	+8.3	+4.3	

N.E.

Aber. 44 47 2 11  
49.5 40.0 52.0 48.7  
C. Altamin 44 47 2 11  
13.7 12.0 16.0 28.7  
W=41.5 B=29.8  
W=29.6 B=41.9

F=20<sup>h</sup> 48' 9".0  
L=13 53 30.0

16 15 14 15 36.0 31.7 27.6 26+3.4+2.3  
44. 9. 56 54 55 58 36.9 30.5 44. 13  
10. 5 1 57 2 35.9 31.1 46. 58  
6 9 2 5 36.1 30.7 49. 5  
9 8 7 9 36.1 30.7 51. 22  
12 9 11 12 35.7 31.7 53. 17  
14 10 11 14 36.5 30.5 55. 15  
15 12 12 15 36.1 31.0 56. 59  
15 13 15 16 35.5 31.7 58. 26  
15 13 13 14 35.9 31.2 0. 28

α Argin 42.7 56.8 12.2 26.4 11.7 17 302.21.5 2 5 6 37.5 29.9 +2.6  
γ Hofmaj 55.7 17.5 41.2 2.3 26.6 42 2.45. 26 26 20 28 37.5 29.9 27.6 56+3.4 +3.1  
δ Bootis 17.4 32.4 48.2 0.7 19.6 9 222.40.09 23 25 24 36.7 30.7 27.6 74+5.4 +3.9  
Aber Polaris 44 47 2 11  
12.0 10.0 11.0 20.0  
12. Arct. Mac. 44 47 2 11  
F=20<sup>h</sup> 23' 38".0  
ferim polaris L=13 52 30.0  
nimiopeae  
membrantes W=43.4 B=31.3  
et inquietae 32.2 42.3

16 15 12 16 34.5 34.0 27.8 21+2.6-3.0  
44. 9. 59 43 51 55 35.9 33.9 44. 12  
57 55 56 61 34.6 34.0 47. 0  
10. 5 1 0 4 34.6 34.0 49. 8  
8 5 6 10 35.2 33.0 53. 16  
12 9 9 12 35.0 33.8 55. 47  
43.6 58.5 13.7 28.5 45.1 17 302.21.12 7 11 7 36.1 32.1 -2.2  
— 19.5 42.5 5.1 28.0 42 2.45.20 17 21 16 35.2 32.6 27.8 38+2.6-3.1  
18.6 34.2 49.3 55. 20.6 9 332.40.22 78 24 22 34.7 33.4 27.8 45+2.7-3.1

N.E.  
O=34.2 38.2  
50.6

44 50 2 11 F=20<sup>h</sup> 38' 48" W=57.1  
14.0 15.0 8.0 28.0 L=13 39 20 37.8

45.0 59.5 14.2 29.3 44.2 17 302.21.10 8 11 9 37.0 38.0 27.9 05.+0.2 e-7.0  
43.0 4.6 20.7 42 2.45.20 22 21 24 38.5 35.4 27.9 09 0.0-6.7

1839

20.0 35.1 51.2 6.1 21.6 9  
γ Pegasus 15.6 30.5 0.4 0.9 — 6.4 26.9 6.51 28 30 30 34.8 35.9 27.3 05+1.4\*0.1  
α Cassiop 21.9 47.1 13.4 38.8 4.6 33 8.17. 51 48 52 52 34.0 36.1 27.2 97+1.4-0.2  
α Ura. min 42.5 29.0 42.0 39.0 8 6 8 10 35.8 34.8 27.3 00+1.5+0.4  
41.5 26 29 25 26 35.8 34.7 44. 38  
F 6 18 15 6 30 11 22 19 21 22 35.8 34.8 47. 8  
L 1 16 12 1 28 10 18 16 18 18 35.8 34.7 49. 19  
+ 46.1 — 32.8 12 10 12 12 33.6 37.0 53. 10  
33.1 45.8 11 8 10 11 34.5 35.8 55. 30  
40 7 9 10 35.1 35.1 57. 50  
8 6 8 10 35.4 34.9 59. 43

α Anetis 24.6 40.2 56.0 11.6 27.5 59 335.21. 3 0 3 2 34.9 35.2 27.3 00+1.5+0.4  
α Androm. — — 7.2 19.5 35.9 1 340.47. 59 64 65 65 34.0 37.0  
γ Pegasi 25.6 40.4 55.2 10.4 25.7 6 3 26. 56 29 31 31 33 35.0 36.1 27.5 23+1.5-1.7  
α Cassiopej 21.4 57.1 23.2 48.7 14.5 33 8.17. 51 52 51 53 36.0 36.1 27.5 17+1.4-1.7  
44 57 2 11 20  
54.5 42.7 53.0 47.0 49.0 11 \*0 9 8 36.2 35.0 27.5 23+1.2-1.1

F=5<sup>h</sup> 50' 9" W=46.4 B=33.1 41.5. 27 27 25 27 37.0 35.0 44. 54  
L=1 23 50 33.5 46.0 25 27 27 24 37.0 35.2 46. 44  
21 21 20 21 36.8 35.2 48. 24  
18 16 15 17 34.4 37.5 50. 14

N.S.

16	14	14	14	35.0	36.0	57.	42
15	13	13	12	36.0	35.5	56.	20
15	11	11	12	36.0	35.2	58.	8
11	9	9	10	36.3	35.0	0	58

Die Caffiopy

47.3	12.3	38.9	4.3	20.5	33
44	63	2	11	20	
54.0	43.0	55.5	47.3	53.0	

8° 17' 51"	49	42	32	37.0	37.0	27.483	-0.4	-6.2
8	6	8	8	37.0	37.0	27.486	-0.2	-6.9
41° 5' 25"	26	26	27	37.0	37.0	44' 54"		
20	22	19	22	37.2	36.8	47.15		
18	14	17	17	37.2	36.8	49	1"	
18	16	15	16	37.0	37.0	50.	37	
12	9	12	12	35.1	39.0	53	40	
12	9	9	10	35.6	38.0	55	40	
12	9	9	10	35.5	38.6	57	10	
11	8	8	8	36.0	37.8	59	4	

50.7	5.7	21.8	37.1	53.2	59	335	21.1	59	2	34.0	39.2	27.483	-0.1	-1.1
38.8	53.0	7.6	22.0	36.9	55	L=4h 46.0	Die 63	W=37.1	O=49.9					
22.0	44.1	6.3	28.7	50.7	73	L=1h 54.55		54.7	35.5					

4.0	53.0	2.0	58.0	0.0												
8.1	23.6	39.3	55.3	11.0	0	335	21.1	59	2	2	35.7	39.5	27.519	-0.7	+0.6	
56.7	11.0	25.5	40.1	54.7	55	316.	6.	46	44	46	47	35.3	40.2	27.519	-1.0	+0.2
40.9	2.2	24.2	46.2	8.3	14	1.16.	38	40	40	40	36.1	39.1				

N.S.

α Tauri	45.7	0.0	15.4	30.7	45.6	28	328.	50.56	60	61	59	35.1	40.1	27.547	-0.2	+0.1
β Boletis	8.0	58.0	8.0	5.0	6.0		J=4h 50' 52"	W=45.2	O=31.5	adyne 351. "20."						
α Ceti	7.1	20.9	35.9	50.7	5.0	56	716.6.	34	36	37	38	35.0	33.9	27.241	+2.6	+0.9
α Bergei	—	—	35.5	57.6	20.2	15'	1.	55.	38	42	42	35'	35.6	32.8		

α Tauri	55.4	10.7	25.4	40.4	55.5	28	328.	50.1	2	4	4	37.0	32.7	27.261	+2.4	-0.1
α Aurigae	52.1	12.2	33.6	54.0	—	6										
β Orion	3.0	17.7	32.6	47.0	2.0	9	304.16.	20	22	22	22	37.7	32.4	27.262	+2.0	-0.8
α Lyrae	24.7	42.8	1.7	20.1	39.0	23	757.16.	27	32	36	34	39.6	34.9	27.637	-0.4	-8.8
α Tauri	43.3	58.1	17.5	28.4	43.7	28	328.	50.5	7	10	7	38.8	33.5	27.675	+0.7	-4.9
α Aurigae	39.1	59.3	21.0	42.0	—	6	35.9	W=51.8	O=37.7							

β Orion	51.2	5.4	20.3	35.0	49.4	8	304.16.	24	30	30	29	37.7	35.5	27.676	+0.3	-5.1
β Tauri	6.8	22.0	39.9	56.4	12.9	18	341.6	57	57	57	60	38.5	35.1	27.676	-0.7	-5.3
α Orionis	21.0	45.1	0.1	14.4	29.5	48	320.1	40	46	44	45	38.4	37.3	27.682	-0.5	-6.0
β Orionis	—	29.3	27.5	38.5	33.0											

α Can. maj.	5.6	20.3	36.1	51.1	6.0	40	296.10.	34	36	36	39.0	35.6	27.687	-0.3	-5.9	
α Aurigae	36.1	56.2	17.7	38.7	—	6	W=48.5	O=31.3								
β Orionis	47.4	2.0	17.4	31.7	46.8	8	304.16.	20	22	20	22	35.0	33.7	27.248	+1.7	+1.6
α Orionis	27.3	41.6	56.6	11.3	26.0	48	320.1.	36	40	42	36	35.5	35.1	27.304	+1.6	+1.1





