1878phae.proj.13988

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1878phae.proj.1398R

D. M. 14 5.9 ^{h}0 ^{m}5.8 +22° 419

	1878			E	F	G	H	
7.0	Dec. 1 Oct. 29	35′	3′	25.2″	30.9″	38.5″	37.2″	
	~~29~~ 1	35	2	38.0	42.7	50.5	50.8	
	~~Dec. 6~~	~~35~~	~~4~~	~~4.9~~	~~9.6~~	~~14.9~~	~~15.9~~	~~f. F. m. ob.~~
	6							
6.5	7	35	4	5.3	10.1	15.5	12.9	
	7	35	2	56.2	0.3	4.2	4.2	
6.0	8	35	4	7.6	12.1	17.7	15.2	
	8							
	11	35	4	6.6	12.2	20.9	19.9	Rej. A +2
	11							
	18	35	4	0.6	5.1	10.2	10.6	
6.0	19	35	3	44.8	50.8	56.0	55.2	Rej.
	19	35	2	51.8	56.0	1.6	2.1	

Pegasi (452B) 5.9 ^{h}0 ^{m}8.7 +21 37

	1878							
7.1	Oct. 29	45	4	54.9	1.8	14.1	10.9	
	29	45	3	48.2	55.7	7.2	6.2	
	Nov. 23	45	4	19.2	26.0	32.7	34.3	R
	23							
	30	45	4	58.5	5.1	13.8	12.3	Lost 1/2 wire
	30	45	3	56.2	1.8	9.1	11.0	
7.2	Dec. 1	50	0	6.9	12.8	21.5	20.8	Rej. A -2
	1	45	3	42.6	47.3	53.9	55.3	
6.8	7	50	0	17.5	21.9	28.9	26.7	
	7	45	4	1.9	6.5	9.0	9.9	
6.6	8	50	0	18.6	23.4	29.6	27.9	
	8	45	4	1.2	5.8	8.7	9.7	

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1878phae.proj.1398R

Androm. (76 B) 5.9 $0^h\ 14.5^m$ $+32^\circ\ 15'$

	1878			ξ	η	ζ	~~ζ~~ ζ
6.0	Nov. 24	10	2	37.9	41.1	53.9	51.9
	24	10	1	36.0	34.9	47.1	45.1
6.4	26	10	2	29.6	32.9	45.2	42.6
	26	10	1	29.3	33.1	44.3	—
	~~26~~						
	30	10	2	27.9	32.1	44.4	—
	30						
6.4	Dec. 14	10	2	28.1	32.1	43.1	40.8
	14	10	1	29.7	32.5	43.9	42.9
6.1	16	10	2	39.8	42.5	53.4	50.3
	16	10	1	12.1	14.5	24.4	24.1
6.2	19	10	2	3.1	6.1	15.2	13.2
	19	10	1	23.7	27.1	36.0	35.5

Rej. A +2

Lost 1st ν wire

Cassiop. 5.9 $0^h\ 23.7^m$ $+59\ 18$

	1878						
6.0	Nov. 24	5	3	44.6	45.4	55.9	55.9
	24	5	2	51.9	52.4	2.1	2.8
5.8	26	5	4	1.3	1.4	11.8	10.1
	26	5	2	46.8	48.2	57.0	56.0
	30	5	3	59.4	0.1	11.4	10.4
	30	5	2	51.1	54.3	2.1	2.9
6.3	Dec. 1	5	3	50.2	50.4	59.9	0.0
	1	5	2	51.1	50.7	0.3	0.5
6.3	7	5	4	4.7	5.4	11.0	9.4
	7	5	3	13.1	12.0	18.0	18.3
6.0	8	5	4	2.9	2.1	10.1	7.7
	8	5	2	54.1	53.0	59.2	59.9

Rej. A +2

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1878phae.proj.1398R

Androm. (117 B) 5.9 ^{h} 0 ^{m} 30.8 +23° 21'

	1878			E	F	G	H	
		°	'	"	"	"	"	
6.5	Nov. 24	5	0	50.7	56.4	6.4	4.8	
	24	0	4	49.9	55.5	3.2	4.7	
6.2	26	5	1	1.0	6.2	16.1	13.3	
	26	0	4	43.7	49.8	55.8	56.0	
	30	5	0	53.9	59.7	9.8	8.7	
	30	0	4	46.2	51.3	59.0	0.9	
6.0	Dec. 1	5	0	55.7	1.4	9.5	8.6	
	1	0	4	51.0	55.3	2.7	4.3	
6.3	7	5	0	56.6	0.3	6.0	4.6	Rej. A -2
	7	0	4	36.1	39.8	44.9	44.7	
6.0	8	5	0	30.1	34.6	41.4	38.1	False obs. pr.
	8	0	4	47.0	50.9	55.2	54.9	

67 Piscium K 5.9 ^{h} 0 ^{m} 48.5 +26 33 Concs. 1 minute too late

	1878							
	Nov. 23	50	3	50.8	55.2	5.9	4.6	R
	23							
6.4	24	50	3	48.1	53.2	3.8	3.4	
	24	50	2	33.6	38.9	49.4	48.8	
6.6	26	50	3	43.7	48.1	56.9	56.2	
	26	50	2	35.9	40.2	50.0	47.2	
	~~30~~	~~50~~	~~3~~	~~43.9~~	~~48.3~~	~~58.4~~	~~59.1~~	
	~~30~~	~~50~~	~~2~~	~~35.7~~	~~41.4~~	~~52.0~~	~~50.3~~	
6.7	Dec. 1	50	3	53.7	57.9	5.8	6.8	Rej. A -2
	1	50	2	21.1	25.7	34.3	34.2	
7.2	7	50	3	50.1	53.1	59.9	58.4	
	7							
6.7	14	50	3	50.9	55.8	4.1	3.4	
	14	50	2	38.4	42.9	52.5	49.9	

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1878phae.proj.1398R

Cassiop. 5.9 0^h 51.0^m $+65^\circ$ $42'$

1878

				E	H	G	Hc	
		°	'	"	"	"	"	
	Nov. 30	45	0	1.3	1.2	11.6	12.9	Lost A +1
	30	40	4	32.7	31.8	41.3	44.3	
7.0	Dec. 7	45	0	17.7	15.2	23.2	24.1	perhaps lost A +1
	7	40	4	22.6	20.1	26.5	27.8	
6.5	8	45	0	13.9	11.4	19.1	19.8	Lost 1st 3 wires
	8	40	4	40.3	37.3	43.9	45.5	
6.8	14	40	4	58.3	57.1	5.4	7.2	Lost A +1
	14	40	4	25.2	23.4	31.7	34.2	
	16	45	0	30.4	29.1	37.0	39.0	
	16	40	4	45.7	43.3	51.8	54.0	
6.3	19	45	0	13.8	13.0	20.8	21.2	
	19	40	4	39.9	38.1	45.6	46.7	

Piscium σ' 5.9 0^h 56.2^m $+31$ 10

1878

6.2	Dec. 8	15	2	50.6	54.1	1.1	59.1	
	8							
	14	15	2	39.9	44.3	52.5	51.5	
	14							
6.3	16	15	2	37.5	40.2	48.9	47.3	
	16							
	18	15	2	48.8	52.7	59.8	57.2	
	18							
	19	15	2	33.1	37.1	44.8	42.1	
	19	15	2	26.9	29.9	38.8	35.9	
5.8	23	15	2	41.4	45.5	52.2	50.3	
	23							

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1878phae.proj.1398R

15 h.

Cassiop. (10/B) 5.4 h 0 m 57.0 +60° 57'

1878

Dec. 7	30	1	23.9	22.1	29.8	26.9	Lost A_{-1}
7							
~~6.2 24~~	~~30~~	~~1~~	~~11.3~~	~~9.5~~	~~17.7~~	~~15.7~~	~~A_{+1} A.~~
~~24~~							
6.8 25	30	1	36.9	34.8	42.3	40.6	A_{+2} A_{+1} + A
25							
26	30	1	20.6	19.3	27.1	26.8	A_{+1} + A.
26							
31	30	0	29.2	28.2	36.1	35.9	
1879 Jan. 5	30	0	30.4	27.4	35.0	34.7	

D. M. 220 5.9 h 0 m 57.0 +51 51

1878

Dec. 7	35	0	3.2	3.2	11.4	8.9	A_{-1} 4 5 A_{-2}
7							
6.3 8	35	0	14.0	14.1	23.4	19.8	Lost A_{+1}
8	30	4	49.6	49.2	54.4	56.0	
19	35	0	17.9	18.9	27.6	26.1	Lost A_{+1}
19	30	4	30.2	31.2	38.7	38.2	
6.3 23	35	0	21.9	23.3	32.5	30.9	Lost A_{+1}
23	30	4	35.3	37.2	42.2	42.5	
~~24~~	~~30~~	~~4~~	~~55.9~~	~~57.1~~	~~1.5~~	~~1.5~~	~~A_{-1} 3 A_{-2} 8 + c.~~
~~24~~							
6.4 25	35	0	6.8	7.1	15.3	13.6	A_{-2} + c
25	30	4	32.7	32.8	38.9	38.2	
26	30	4	56.6	58.9	3.1	3.9	A_{-1} 2 + c
26							

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1878phae.proj.1398R

Piscium 5.9 ^{h} 1 ^{m} 3.8 +24° 50′

1878

5.7	Dec. 1	35	2	15.8	20.5	30.0	28.8	Lost 1st 2 wires
	1	35	1	46.4	51.2	59.2	59.2	
	7	35	2	21.1	25.2	31.1	29.1	Lost 1st wire
	7	35	1	29.9	33.1	39.3	37.8	Rej: A3
6.0	8	35	2	58.5	3.0	7.9	6.5	
	8	35	1	47.4	50.9	57.1	56.2	
6.4	12	35	3	4.7	10.1	19.5	16.9	
	12	35	1	33.2	38.7	48.0	46.3	
6.2	16	35	2	53.8	57.8	5.1	3.8	
	16	35	1	45.3	48.8	57.3	56.0	
	18	35	2	38.3	42.4	50.1	48.8	
	18	35	1	42.6	46.4	54.4	52.6	

D. M. 289 5.9 ^{h} 1 ^{m} 20.5 +40 29

1878

6.8	Dec. 7	55	3	55.1	57.1	4.3	1.9	
	7							
6.3	11	55	3	48.4	51.9	3.4	2.2	
	11	55	2	46.7	50.4	1.4	59.7	
	12	55	3	16.5	19.4	30.2	27.9	
	12	55	2	42.9	46.1	57.1	54.1	
6.8	14	55	3	29.1	32.0	42.4	40.2	
	14	55	2	42.2	45.3	55.7	55.4	
	16	55	3	33.6	35.7	44.9	43.1	Lost 1st wire
	~~16~~	~~55~~	~~2~~	~~52.2~~	~~54.2~~	~~3.8~~	~~1.7~~	Mid. wire of A wrong +1
	19	55	3	8.5	11.6	21.0	19.3	Lost A +1
	19	55	2	52.2	54.2	3.8	1.7	

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1878phae.proj.1398R

6.7	8 Dec. 25	55	3	43.9	41.2	48.3	49.3	Lost 2nd wire
	25	55	3	4.4	1.7	7.1	8.9	
6.8	26	55	3	45.1	42.1	49.6	51.7	
	26	55	3	7.2	5.8	13.0	14.8	
Cassiop.	5.9	1	22.5	+65°	29			
1878								
				E	F	G	H	
Dec. 11	55	3	(52.2)		51.1	1.7	3.1	A +1, 1, 2, 3, 4. A 1, 3
11								
12	55	3	38.1		37.7	46.8	47.5	
12	55	3	6.3		5.1	14.9	16.2	
6.8 16	55	3	45.5		43.6	51.4	53.4	
16	55	3	16.6		14.3	20.1	24.9	
~~18~~	~~55~~	~~4~~	~~7.4~~		~~5.9~~	~~12.6~~	~~14.1~~	~~Rej all but 1st 2 wire~~
18								
6.3 19	55	3	25.3		23.1	29.8	32.1	A +1, 7, 8, 9 + c.
19	55	3	1.8		59.9	5.7	9.1	
~~6.5~~ 23	~~55~~	~~4~~	~~7.3~~		~~5.1~~	~~13.1~~	~~13.7~~	~~Lost 2nd wire~~
23	55	3	7.9		6.4	12.3	14.5	
6.1 24	55	3	47.6		45.4	51.3	53.9	A +A
24	55	h 3 m	9.7		7.6	13.7	15.7	−1 +2
Piscium	5.9	1	34.6	+25	08			
1878								
6.3 ~~Jan~~ Nov 24	15	3	52.6		57.2	7.2	7.4	
24	15	2	43.9		49.5	58.9	59.3	
6.5 Dec. 7	15	4	5.3		9.2	14.1	13.2	
7	15	2	46.7		49.9	54.9	54.4	
60 8	15	4	4.9		5.8	12.1	10.6	
8	15	2	46.4		49.1	54.8	54.6	
6.7 14	15	3	58.1		2.2	9.2	8.6	
14	15	2	39.2		43.7	51.1	50.2	
16	15	3	48.1		51.5	58.9	58.4	
16	15	2	43.1		46.7	53.3	53.8	
5.8 19	15	3	33.6		38.6	45.3	44.4	
19	15	2	45.9		50.0	56.2	57.1	

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1878phae.proj.1398R

Arietis (70B) 5.9 $2^h\ 12.2^m$ $+22^\circ\ 37'$

				E	F	G	H	
1878								
Jan. 13	5^h	0^m		11.1	26.5	14.9	29.1	Lost 1st wire
13								
7.0 Dec. 7	5	0		4.6	9.1	14.7	11.2	
7	5	3		~~4.3~~ 5.9	~~5.0~~ 3.3	~~3.7~~ 5.0	5.1	Rej. A
6.8 8	5	0		29.8	33.2	39.9	36.4	
8	5	4		12.9	17.1	22.1	20.9	
14	5	4		30.3	37.1	43.1	41.1	Lost the last 1 or 2 wires of A_{-1}
14								
6.8 16	5	0		20.0	25.4	31.4	30.8	
16	5	4		12.3	17.3	22.9	22.2	
18	5	0		26.9	33.2	38.4	37.3	
18	5	4		7.1	13.2	18.1	16.9	

9 Persei i 5.4 $2^h\ 14.0^m$ $+55\ 18'$

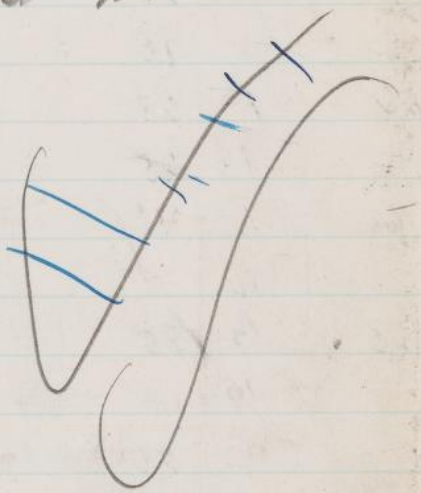
1878								
Jan. 13	10	0		20.0	32.1	23.1	35.9	
13	10	1		1.3	12.2	2.2	20.4	
Dec. 7	5	4		8.6	8.1	14.1	11.0	Rej. A_{-2} Lost A_{+1}
7	5	3		38.2	37.9	42.3	42.1	
6.2 8	5	4		35.5	34.6	42.1	39.6	
8	5	3		56.4	55.5	1.1	0.5	
6.5 16	5	4		18.5	18.3	25.9	25.6	Lost 1st 3 wires
16	5	3		34.8	34.2	40.3	41.1	
18	5	4		22.6	22.7	29.6	30.1	
18	5	3		47.5	47.1	54.3	54.2	
5.8 19	10	0		0.7	1.4	7.8	7.8	
19	5	3		49.6	48.8	56.2	56.8	

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1878phae.proj.1398R

Arietis (85 B) 5.9 ^{h} 2 ^{m} 22.4 + 22° 56'

				E	F	G	H	
	1878			"	"	"	"	
7.0	Jan. 1	30	2	4.5	18.1	2.9	7.1	Lost 1st " 2 wires
	1	30	2	32.2	45.9	29.0	36.6	
6.4	" 5	30	1	38.8	50.5	35.2	42.4	Lost 1st wire
	5	30	2	30.0	42.3	24.8	31.3	
	13	30	1	31.5	47.1	35.2	52.9	
	13	30	2	26.3	41.4	29.3	47.3	
6.3	16	30	1	39.1	54.9	38.1	(49.9)?	
	16	30	2	30.0	46.2	25.8	43.4	sure
7.0	19	30	1	38.1	42.6	53.1	50.6	M6
	19	30	2	28.9	35.4	44.9	43.0	M6
6.7	29	30	1	32.3	36.9	41.2	39.7	
	29	30	2	34.2	37.7	42.1	40.3	

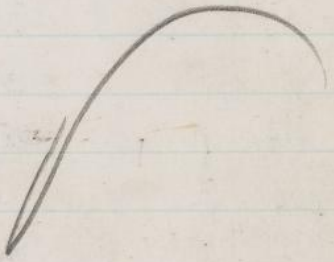


Persei 5.9 ^{h} 2 ^{m} 43.7 +46° 21'

	1878			"	"	"	"	
~~6.0~~	~~Jan.~~ *5	5'	2'	14.7	25.1	9.9	13.3	
6.0	*5	5	2	4.6	14.1	58.5	3.9	
6.3	13	5	2	8.1	20.4	11.4	26.9	
	13	5	2	53.1	5.3	55.8	10.2	
6.9	16	5	2	3.4	14.1	58.9	10.4	
	16	5	2	36.2	47.1	30.3	46.2	
6.8	19	5	1	57.9	0.1	11.9	8.1	M6
	19	5	2	33.1	35.2	46.9	42.1	M6
	23	5	2	18.7	21.7	28.7	24.0	
	23	5	3	6.8	7.8	15.5	11.9	
	24	5	2	52.7	53.9	68.9	65.1	Lost 1st " 2 wires
	24	5	3	23.3	23.8	28.1	26.0	

Aotaeen

Aotaeen



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1878phae.proj.1398R

D. M. 591 5.9 h 2 m 46.4 +61° 2'

1878

				E	F	G	H	
6.0	Jan. 1	25	1	21.4	30.1	19.6	21.4	9 wires for A
	1	25	2	6.3	13.9	0.3	4.7	
5.9	5	25	1	31.1	36.2	23.8	27.2	
	5	25	2	9.3	16.6	2.2	7.2	
6.4	13	25	1	14.4	24.4	15.8	28.5	
	13	25	1	50.2	0.3	51.9	4.8	
6.6	16	25	1	27.7	36.8	22.7	32.9	
	16	25	2	57.2	7.9	53.9	7.2	
6.5	19	25	1	15.0	15.1	28.0	23.6	m
	19	25	1	38.0	38.2	49.9	45.9	
	23	25	1	46.9	45.1	54.9	49.5	
	23	25	2	4.7	3.9	11.6	6.4	

Cassiop. 5.9 h 2 m 57.3 +63° 36'

1878

				E	F	G	H	
6.8	Jan. 1	50	2	58.9	7.1	53.6	0.0	
	1	50	3	23.6	31.7	17.4	24.4	
~~6.5~~	6.1	5	50	2	42.2	48.5	34.6	40.8
	5	50	3	24.4	32.1	16.0	23.3	
6.3	13	50	2	35.7	45.0	34.9	51.8	m
	13	50	3	8.9	19.8	9.1	27.9	m
6.5	16	50	2	48.9	57.2	41.9	57.1	m
	16	50	3	18.9	26.9	11.2	26.5	m Halos struck before mid. wire
6.8	19	50	2	33.1	32.9	44.1	41.4	m
	19	50	3	11.3	11.8	22.8	20.7	m
	23	50	2	5.1	4.9.8	57.3	53.9	m
	23	50	3	12.2	10.7	17.9	14.5	m A 2 has R.A wire long & this struck short

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1878phae.proj.1398R

Cassiop.		5.1	h 2	m 58.9	+73°	56'			
	1878				E	F	G	H	
		'	'		"	"	"	"	
Jan.	28	30	2	17.3	16.8	24.9	24.1		
	28								
6.0	29	30	2	28.3	26.8	32.2	31.2		
	29	30	2	55.4	52.3	57.7	58.3		
6.0	30	30	2	26.9	24.1	29.9	28.8		
	30	30	2	48.7	46.1	53.7	50.7		
6.3	Feb 2	30	2	4.9	3.1	9.7	7.9		m
	2	30	2	23.9	22.1	29.0	27.2		m
6.2	3	30	2	20.9	21.1	28.8	26.1		m
	3	30	2	31.1	31.1	38.6	36.1		m
6.6	5	30	2	26.9	27.4	37.2	36.6		m
	5	30	2	42.6	43.2	53.3	51.0		m
Arietis (147 B)		5.1	h 2	m 59.8	+12°	44'			
	1878								
Jan.	1	40	4	22.2	37.1	24.5	25.8		
	1	45	0	6.2	22.2	10.1	10.9		
~~7.0~~	6.7 5	40	3	52.3	7.1	53.2	53.8		
	5	45	0	0.8	14.6	1.9	2.2		
7.0	13	40	3	45.3	2.2	53.3	3.9		
	13	40	4	37.7	54.0	45.7	57.3		
	16	40	3	52.2	6.1	50.9	59.4		
	16	40	4	45.1	0.2	43.0	54.7		
6.7	19	40	3	56.8	3.7	16.3	8.1		M
	19	45	0	2.9	8.1	22.1	15.5		M
	23	40	3	54.1	0.0	6.5	59.1		
	23	40	4	47.6	51.8	58.9	53.3		

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1878phae.proj.1398R

Persei (222 B) 5.9 3h 6m.7 +56° 41'

	1878			E	F	G	H	
6.2	Jan. 1	45'	1	55.9	5.8	52.7	56.0	
	1	45	2	19.2	28.6	14.7	19.3	
6.0	5	45	1	28.1	37.5	22.8	26.5	
	5	45	2	16.9	25.3	7.7	13.6	
6.8	13	45	1	32.0	33.4	23.9	38.6	4 strokes for 1st-S
	13	45	2	10.2	21.1	11.3	27.1	
6.5	16	45	1	29.4	38.1	23.5	38.6	
	16	45	2	14.9	24.7	8.5	23.3	
6.5	19	45	1	22.2	23.1	34.8	31.1	M6
	19	45	2	14.9	16.1	27.8	22.8	
	22	45	1	23.7	25.3	36.9	30.4	
	22	45	2	2.7	4.8	15.1	10.9	

Persei (146 B) 5.4 3h 17m.0 +33° 6'

	1878							
6.3	Jan. 1	20	1	43.8	55.4	44.8	46.2	A-1
	1	20	2	17.5	29.7	17.7	21.9	
6.8	5	20	1	19.1	30.1	17.6	24.2	
	5	20	2	16.4	27.7	14.2	17.2	
	13	20	1	23.2	36.6	28.1	41.9	
	13	20	2	4.6	18.9	9.5	24.7	
6.5	16	20	1	51.6	3.4	49.9	1.7	A4 = fall.
	16	20	2	10.3	21.8	6.1	20.3	
6.4	19	20	1	0.0	3.1	16.6	12.0	M6.
	19	20	1	56.0	0.1	12.3	8.2	M6.
	22	20	1	27.9	31.3	15.8	38.8	Lost 1st wire
	22	20	1	52.7	57.2	8.8	3.7	

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1878phae.proj.1398R

Tauri 8 B 5.9 3h 17m.6 +12° 12'

1878

				ζ	ζ	η	θ	
6.8	Jan 14	15h	0h	16.1	32.6	23.9	34.1	
	14	15	0	57.6	13.2	3.9	16.1	
	23	15	0	36.8	41.0	48.9	41.6	Last - 1st mins
	23	15	1	21.3	25.8	32.7	26.9	
6.7	28	15	0	11.6	17.9	27.1	20.5	
	28	15	1	2.6	8.6	17.1	12.2	
6.4	29	15	0	23.1	28.0	34.1	26.9	
	29	15	1	6.4	11.5	18.0	12.2	
7.0	Feb 5	15	0	12.9	18.1	29.9	26.3	m
	5	15	1	16.2	20.9	32.0	27.2	m
	6	15	0	8.9	14.8	27.9	22.9	m
	6	15	1	10.9	17.1	30.1	23.1	m

Persei (152 B) 5.9 3h 20m.8 +33° 23'

1878

				ζ	ζ	η	θ	
6.8	Jan. 1	0h	4h	18.8	31.2	18.8	22.5	
	1	0	4	58.6	9.4	56.3	2.4	
6.0	5	0	4	17.6	28.1	14.1	18.2	
	5	5	0	26.3	36.9	22.8	27.1	
	13	0	4	10.7	24.1	16.4	30.9	
	13	5	0	9.8	23.3	15.1	28.7	
6.3	14	0	4	8.0	21.1	11.7	26.4	
	14	0	4	54.5	7.4	57.5	13.4	
7.0	16	0	4	12.0	24.1	7.8	23.1	
	16	5	0	2.9	14.9	59.6	11.3	
6.5	19	0	4	9.6	13.0	25.3	21.1	M
	19	5	0	6.2	9.1	23.4	19.2	M

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1878phae.proj.1398R

Tauri Σ 401 5.4 h 3 m 24.1 +27° 9'

1878

				E	F	G	H	
7.8	Jan. 1	15	3	31.1	44.8	30.9	35.2	Foll # ~~A~~ A-1
7.8	4 7.2	5	15	2	55.8	7.3	52.6	55.9	Both ΔS 1 stroke for each
7.0	6.6	14	16	2	41.5	56.1	45.8	55.5	" " " " " " δ
~~7.0~~	~~6.5~~	~~#~~							
7.5	7.1	16	15	2	57.2	11.0	53.8	8.1	Reg order
7.0	6.7	19	15	2	57.9	2.3	13.1	8.9	Reg ::: 1 stroke for each δ
7.0	6.7	22	15	2	50.1	55.1	6.0	0.0	" " " " "
	Feb.	6	15	3	~~47.1~~	~~50.6~~	~~2.1~~	~~59.2~~	~~Lost A+1~~
		6	15	4	~~0.4~~	~~5.1~~	~~16.1~~	~~13.5~~	~~Reg order. " " " "~~

Camelop. 5.9 h 3 m 24.5 +54 33

1878

				E	F	G	H	
	Jan	24	5	0	4	41.9	40.8	47.1	41.1	Lost some of the 1st wires
		24	55	0	2.5	1.2	6.8	4.1	
7.0		28	50	3	57.2	57.3	4.9	3.1	Lost 1st 3 wires
		28	50	4	36.3	36.7	43.8	42.4	
6.0	Feb	3	50	4	2.0	1.9	9.1	6.1	m
		3	55	0	11.4	10.5	19.0	14.9	m
6.0		4	50	4	4.5	4.5	12.6	10.9	m
		4	55	0	0.3	0.3	8.4	7.8	m
7.0		5	50	4	44.1	45.1	55.0	52.1	m A-1
		5	55	0	9.9	11.0	21.3	18.1	m
		7	50	2	50.9	52.5	6.2	2.8	~~#~~ C 3 + foll.
		7	50	2	24.5	25.9	40.6	35.9	

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1878hae.proj.1398R

Persei (159 B)		5.9	h 3	m 25.0	+35°	3′											
	1878				E	F	G	H						A+A⁻¹			
7.5	Jan. 1	25	3′	43.7	55.9	42.8	48.5	Pole wing		mag. 7.0	Feb. 11	20	3	24.2	27.9	36.7	33.3
	1	25	4	12.2	24.1	9.7	15.2				11	20	3	2.1	5.1	13.8	11.7
7.3	5	25	3	12.0	22.4	7.8	11.9			6.8	14	20	4	24.9	27.0	36.1	33.0
	5	25	4	7.6	18.4	1.7	7.5				14	20	3	8.5	11.5	21.6	17.7
6.0	14	20	4	44.6	58.1	48.6	4.8										
	14	25	0	35.9	49.1	39.8	54.3										
6.4	16	25	0	7.5	19.1	4.9	15.2	A 2 + four									
	16	25	0	45.3	56.4	42.3	56.3	H6									
6.3	19	20	4	36.4	39.9	52.1	48.8	H6									
	19	25	0	22.9	24.3	39.5	35.1	H6									
~~6.7~~	~~21~~	~~20~~	~~4~~	~~58.5~~	~~2.8~~	~~14.4~~	~~9.1~~	~~Put 1st 2 wires~~									
	23	20	4	57.9	57.1	57.8	55.1	Ch 2									
	~~22~~	25	0	26.6	31.1	43.4	38.8										
	23	25	h 4	37.9	39.6	45.4	43.4										
Tauri		5.9	3	32.0	+20	31											
	1878																
7.0	Jan. 28	55	1	3.7	8.1	16.9	11.6										
	28	55	1	55.4	0.3	8.2	4.9										
6.3	30	55	1	6.9	11.0	17.8	12.1										
	30	55	1	53.1	56.1	2.9	57.2										
6.5	Feb. 2	55	0	56.9	1.1	8.3	2.9	m									
	2	55	2	20.1	24.2	30.9	26.2	m									
6.7	3	55	0	59.7	3.7	11.9	6.5	m									
	3	55	2	13.9	17.8	25.5	21.6	m									
7.0	5	55	1	2.6	7.1	17.9	13.3	m									
	5	55	2	5.1	9.9	20.3	16.8										
	7	55	0	44.1	49.9	4.2	59.8										
	7																

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1878phae.proj.1398R

Camelop. (4B) 5.9 h 3 m 32.8 +59 35'

	1878			E	F	G	H
		'	'	"	"	"	"
33.7 11.7 6.2	Jan. 1	50	3	21.8	32.1	17.9	21.8
33.0	1	50	3	51.3	1.3	47.4	52.1
17.7 6.0	5	50	3	12.4	21.1	6.2	9.5
	5	50	3	50.7	58.7	42.5	47.8
6.0	14	50	3	1.4	12.8	1.6	16.9
	14	50	3	47.5	58.2	48.8	2.9
6.6	16	50	3	11.2	20.7	4.9	16.8
	16	50	3	57.9	6.3	5.10	4.6
6.3	22	50	3	21.8	23.4	3.50	29.1
	22	50	3	57.2	58.1	9.3	4.9
	23	50	3	15.6	14.1	20.2	15.5
	23	50	3	53.2	51.2	56.8	53.4

Perhaps lost - last - stroke for δ

Lost - 1st - 2 wires

16 Camelop. 5.4 h 3 m 36.8 +70 30

	1878			E	F	G	H
		'	'	"	"	"	"
6.0	Jan. 1	55	3	38.2	46.7	33.2	39.9
	1	55	4	3.3	11.6	56.4	3.9
6.0	5	55	3	23.8	32.1	18.8	21.9
	5	55	3	45.6	52.8	35.2	43.9
42 6.2	14	55	3	11.1	21.5	11.1	26.4
	14	55	3	44.8	55.2	44.6	1.2
6.5	16	55	3	29.9	37.8	21.4	35.9
	16	55	4	1.1	8.6	52.5	8.1
6.5	22	55	3	34.1	34.9	46.1	42.1
	22	55	3	54.0	54.2	4.3	3.9
	23	55	3	5.45	48.2	5.8	5.14
	23	55	4	4.7	1.3	5.3	5.3

Lost - 2nd ? & 4th ? wires

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1878mae.proj.1398R

Camelop.		5.9	3h	54.0m	+68°	20′		
1878				E	F	G	H	
				″	″	″	″	
6.5	Jan 1	5	2	33.3	40.5	27.8	35.9	
	1	5	2	59.7	6.8	51.9	0.8	
6.2	5	5	2	45.1	52.2	37.1	44.8	Lost tel wire Sub. chlor gas
	5	5	3	22.5	30.2	13.0	24.0	
6.5	14	5	2	21.9	32.1	21.4	37.8	
	14	5	2	57.2	6.3	54.9	15.6	
6.9	16	5	2	24.3	31.2	16.1	28.9	
	16	5	3	2.2	9.6	52.2	10.9	
6.2	22	5	2	36.0	36.4	48.6	45.0	
	22	5	2	53.1	55.2	5.5	4.8	
	23	5	2	50.4	46.1	53.1	50.5	
	23	5	3	9.9	6.1	10.8	10.8	
Tauri (167 B)		5.5	3h	55.2m	+9	39		
1878								
Jan.	24	45	2	35.9	41.1	47.1	40.1	
6.4	24	45	3	25.8	30.0	35.1	29.3	
6.5	28	45	2	39.6	44.3	53.6	47.9	
	28	45	3	29.9	36.3	43.9	38.9	
6.5	30	45	2	27.9	32.1	38.7	31.9	
	30	45	3	27.9	34.5	41.1	34.6	
6.2	Feb. 2	45	2	36.4	41.1	49.0	41.2	m
	2	45	3	49.6	54.7	0.7	54.9	m
6.7	4	45	2	32.2	37.9	47.1	41.4	m
	4	45	3	44.2	49.4	57.8	54.8	m
6.7	5	45	2	35.6	0.9	11.5	8.0	m
	5	4[illegible]						
	6	45	2	44.0	50.0	1.7	58.1	m
	6							

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1878phae.proj.1398R

Tauri (171B) 5.7 3h 57.5m +2° 30'

	1878	'	"	E "	H "	G "	H "	
5.8	Jan. 1	55	1	54.6	10.4	56.7	58.8	
	1	55	2	48.8	2.5	48.2	50.7	
6.2	5	55	2	4.7	19.9	−3.5	−7.7	
	5	55	3	12.2	27.3	11.8	15.1	
6.7	14	55	1	52.9	11.4	0.1	12.8	
	14	55	2	51.3	9.1	56.9	12.3	
6.2	16	55	1	57.5	11.9	55.4	4.4	
	16	55	2	47.8	3.3	45.3	59.6	
6.3	22	55	1	59.8	7.1	19.9	12.1	
	22	55	2	49.7	58.5	6.3	2.7	
	23	55	1	57.8	1.4	7.1	0.3	
	23	55	2	54.8	59.8	3.8	58.2	

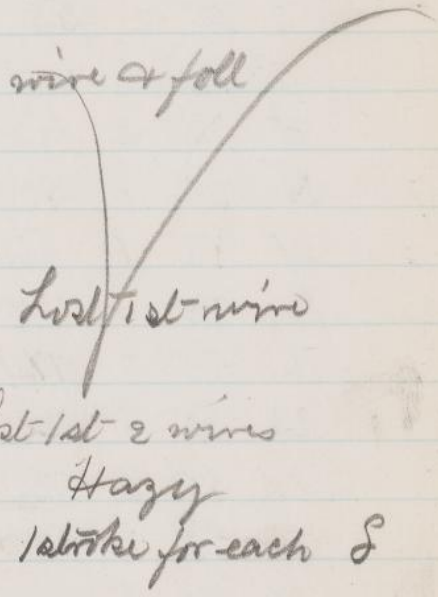
D. M. 740 5.9 3h 59.9m +54 30'

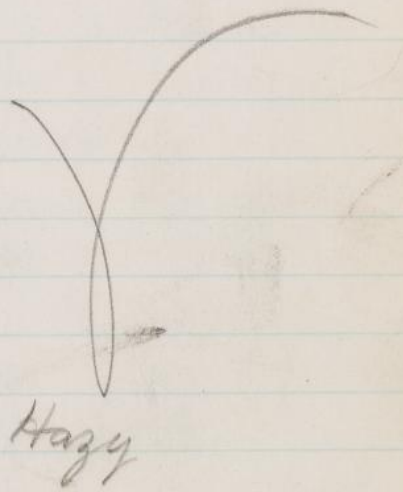
	1878							
6.5	Jan. 24	55	2	29.1	29.4	35.4	29.9	
	24	55	3	5.7	4.1	8.9	6.0	
6.8	28	55	2	17.6	17.2	24.9	21.9	
	28	55	3	2.2	2.1	8.9	7.7	
6.5	29	55	2	16.2	15.3	22.2	17.9	
	29	55	2	58.7	58.2	3.0	0.7	
6.8	Feb. 3	55	3	5.5	4.8	12.1	8.1	m Lost the 1st 3 wires
	3	55	3	19.0	18.9	25.9	22.1	m
6.3	4	55	2	37.9	38.4	47.8	44.0	m Lost 1st 2 wires
	4	55	3	21.9	22.9	30.1	28.1	m

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1878mae.proj.1398R

Cephei		4.9	h 4	m 0.4	+83°	3′			
	1878			E	F	G	H		
6.0	Jan. 1	55′	3′	24.2″	34.2″	17.9″	25.1″		Lost 1st wire. 1 stroke for 2nd δ
	1	55	3	32.6	41.8	24.2	33.3		
6.0	5	55	3	25.7	36.1	17.1	24.5	m	Mid wire a fold
	5	55	3	33.9	43.1	25.1	33.3	m	
6.9	14	55	3	6.8	17.9	3.9	23.9	m	
	14	55	3	15.5	27.4	13.5	32.0	m	
6.7	16	55	3	20.7	30.0	10.8	28.5	m	Lost 1st wire
	16	55	3	27.9	37.1	17.4	37.4	m	
7.3	22	55	3	14.1	15.9	23.9	22.1	m	Lost 1st 2 wires
	22	55	3	22.0	24.0	32.0	30.9	m	Hazy
	23	55	3	22.9	21.5	24.7	22.9	m	1 stroke for each δ
	23	55	3	27.1	25.6	27.9	26.8	m	
153 Cephei		4.9	h 4	m 3.8	+83	3			
	1878								
6.3	Jan. 1	25′	1′	6.7	16.2	59.9	8.2		
	1	25	1	18.0	28.4	10.8	19.2		
6.2	5	25	1	8.9	16.5	59.2	8.7	m	
	5	25	1	23.5	31.9	14.1	24.2	m	
6.4	14	25	0	44.2	55.1	42.9	0.1	m	
	14	25	0	51.7	2.7	50.3	8.1	m	
6.5	16	25	0	54.3	2.9	45.1	59.1	m	
	16	25	1	6.4	14.9	55.8	12.9	m	
7.5	22	25	0	56.4	58.2	6.4	5.4	m	
	22	25	1	5.1	6.3	16.0	13.8	m	
	23	25	0	58.5	55.2	57.8	58.9	m	
	23	25	1	5.2	3.4	6.9	5.9	m	





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1878phae.proj.1398R

Tauri (193 B) 5.9 h 4 m 5.6 +16° 58'

	1878			E	F	G	H	
		'		"	"	"	"	
6.4	Jan. 1	30	0	0.7	14.2	3.5	~~5.2~~	A −1
	1	30	0	34.3	47.8	36.4	38.2	
	5	25	4	48.1	1.9	~~49.1~~	~~52.0~~	Lol A+?
	5	30	0	34.7	47.5	35.1	38.4	
6.8	14	25	4	4.5	19.4	12.2	25.1	
	14	30	0	2.3	17.2	~~18.9~~	20.1	
	22	25	4	7.8	13.6	26.9	19.1	m
	22	30	0	12.1	18.0	32.1	22.9	m
	23	25	4	14.0	16.9	23.9	16.9	
	23	30	0	24.7	27.2	33.6	38.6	
	24	25	4	24.0	28.0	33.9	27.1	

Persei 5.9 h 4 m 6.1 +37° 3'

	1878							
6.8	Jan. 29	45	3	7.8	9.9	15.8	12.9	
	29							
6.7	30	45	3	6.3	7.9	14.4	10.2	
	31							
6.8	Feb 2	45	3	12.4	13.8	21.5	18.0	m
	2							
	4	45	3	43.9	41.9	55.5	53.8	A5 — A−1
	4							
6.0	5	45	3	9.2	12.6	22.7	19.9	
	5	45	4	13.8	16.1	26.4	23.8	
6.2	7 6	~~45~~ 45	~~3~~ 2	~~0.3~~ 1.3	4.7	20.1	16.1	C 3 4 foll
	7 6	45	1	24.6	29.1	44.1	40.6	

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1878mae.proj.1398R

2 mag 6.3 lost A+A_1

Cephei		5.4	h 4	m 6.2	+80°	′ 32							
					ε	F	G	H					
1878													
6.2 Jan.	24	55	2	0.0	58.5	0.2	1.9		Feb. 11	55	0	31.4	31.3	36.5	38.3
	24	55	2	11.1	9.8	10.3	13.7		11	55	0	18.1	18.2	22.8	25.0
6.2	28	~~55~~	~~1~~	~~56.9~~	~~55.2~~	~~59.7~~	~~0.9~~	A_1							
	~~28~~	~~55~~	~~2~~	~~8.8~~	~~8.2~~	~~12.2~~	~~15.0~~								
	29	55	2	0.2	59.1	1.4	3.1	A_1							
	29	55	2	12.2	11.0	11.5	14.9								
6.3	30	55	2	1.5	59.6	2.0	2.9	A9 + A_1							
	31	55	2	10.8	9.4	11.0	14.2								
6.4 Feb.	2	55	1	59.1	58.2	0.9	1.8	m 1 stroke for each δ							
	2	55	2	7.1	6.0	7.9	9.8	m							
	6	55	1	53.8	55.1	3.1	3.9	A 7, 8, 9 + A_1							
	6	55	2	3.8	5.3	14.4	14.9								
85 Tauri		5.9	h 4	m 13.4	+18	26									
1878															
6.5 Jan.	1	0	0	1.7	17.1	4.6	5.9								
	1	0	0	51.6	6.2	53.6	55.2								
6.8	5	0	0	8.3	15.0	1.1	3.1	m							
	5	0	1	15.2	28.9	~~16.5~~ 14.5	16.9	m							
6.6	14	55	4	59.0	15.0	4.4	20.4	~~h~~							
	14	0	1	17.3	33.6	24.5	36.3								
6.7	14	55	4	58.1	12.2	64.9	6.6	m							
	16	0	1	6.3	20.1	4.3	11.9	m							
	22	0	0	20.9	28.1	41.0	32.9	~~h~~							
	22	0	1	10.6	17.3	29.0	22.3								
	23	0	0	6.4	10.3	17.1	8.6								
	23	0	1	4.6	7.3	12.9	7.8								

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Tauri 5.9 4h 21.3m +30° j

				ξ	F	G	H
	1878			"	"	"	"
6.8	Jan. 1	20	1	50.4	4.1	49.8	52.4
	1	20	2	45.8	58.5	44.1	47.5
7.0	5	20	2	1.4	13.8	57.8	2.1
	5	20	2	59.3	7.9	55.2	1.2
	14						
	14	20	1	59.3	14.4	2.5	18.0
7.0	14	20	1	46.9	58.4	40.9	51.1
	16	20	2	51.7	3.3	45.2	2.7
	23	20	2	0.6	1.7	6.0	0.9
	23	20	2	47.7	48.7	53.0	49.8
6.8	~~24~~	~~20~~	~~1~~	~~59.8~~	~~3.1~~	~~6.9~~	~~2.5~~
	~~24~~	~~20~~	~~2~~	~~45.3~~	~~46.2~~	~~52.0~~	~~49.1~~

Tauri (280 B) 5.9 4h 27.8m +5 19

	1878						
6.0	Jan. 1	5	2	58.9	16.1	0.6	2.4
	1						
6.4	5	5	2	54.0	10.1	54.1	3.61
	5	5	4	8.7	24.8	7.6	11.4
6.0	14	5	2	53.4	12.4	0.1	13.1
	14						
7.0	16	5	2	58.2	12.9	55.6	9.1
	16						
	23	5	3	44.0	48.9	53.8	45.7
	23	5	4	6.4	10.8	15.1	8.0
6.2	~~26~~	~~5~~	~~2~~	~~59.2~~	~~7.1~~	~~13.7~~	~~7.8~~
	28						
6.5	29	5	3	1.3	8.3	13.8	6.6
	29	5	3	53.2	59.8	2.9	58.8

	mag.						
Jan. 28	6.5	~~20~~	~~1~~	~~50.4~~	~~54.0~~	~~1.5~~	~~57.9~~
28		~~20~~	~~2~~	~~46.2~~	~~49.2~~	~~54.8~~	~~53.0~~
29	6.8	20	1	44.5	47.3	52.4	47.3
29		20	2	54.2	56.3	59.8	58.6

Hazy

Pr. # faint comp. all above

~~pr. #~~

Last A + 1

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1878phae.proj.1398R

Tauri 5.5 4h 31.2m +20° 27′

				E	F	G	H
	1878			″	″	″	″
6.5	Jan. 1	0	1	17.9	33.1	19.4	20.4
	1	0	2	0.4	14.2	0.3	2.8
6.9	5	0	0	47.7	1.2	47.1	48.8
	5	0	2	7.4	20.7	4.3	9.6
	14	0	0	41.5	57.9	48.4	1.5
	14	0	1	43.7	59.8	49.7	2.7
6.8	16	0	0	43.2	56.8	41.0	48.9
	16	0	1	23.3	36.7	20.2	30.8
	23	0	0	57.4	1.2	5.6	1.9
	23	0	1	49.8	52.3	56.2	57.3
6.9	24	0	0	50.1	53.1	56.1	52.5
	24	0	1	41.7	45.5	49.6	44.8

Orionis 5.4 4h 39.4m +11 29

	1878							
6.2	Jan. 1	55	2	58.4	12.0	58.9	0.4	
	1	55	3	38.8	13.1	58.9	2.3	
6.0	5	55	3	1.4	15.1	0.9	2.9	
	5	55	3	63.4	7.3	53.0	5.5	
	14	55	2	56.1	12.5	1.9	14.6	
	14	55	3	48.2	4.3	54.4	7.4	
6.5	16	55	2	58.8	10.9	55.8	6.4	m
	16	55	3	58.9	11.9	55.0	7.1	m
	23	55	2	55.1	58.0	4.9	56.3	m
	23	55	4	8.1	10.2	17.1	9.1	m
6.3	24	55	3	7.8	11.1	17.8	9.6	
	24	55	3	54.5	58.8	3.2	57.3	

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1878phae.proj.1398R

Aurigae 5.3 h 4 m 41.5 +31° 13'

	1878			E	Z1	G	H
	Jan 14	10	3	46.1	[illegible]	49.7	4.2
	14	10	4	28.9	44.2	31.3	47.9
6.2	16	10	3	49.8	2.1	45.4	59.8
	16	10	4	41.3	52.3	34.7	51.3
	23	10	3	59.5	0.9	4.9	0.1
	23	10	4	39.7	40.8	43.8	41.6
6.7	24	10	3	53.8	56.8	0.1	56.8
	24	10	4	39.8	42.9	46.3	43.4
6.3	28	10	3	43.9	47.9	54.8	52.4
	28	16	4	39.6	42.6	49.3	47.3
6.0	Feb 5	10	3	38.9	41.7	51.4	49.6
	5	10	4	41.9	44.5	53.8	50.2

Orionis (38B) 5.9 h 4 m 59.2 +1° 01'

	1878			E	Z1	G	H	
~~5.6~~	Jan 14	25	0	58.1	16.1	6.2	17.2	
5.8	14	25	2	20.3	38.3	27.8	40.9	
	23	25	1	9.7	13.9	19.7	10.2	
	23	25	2	10.6	14.9	20.2	12.2	
6.6	24	25	1	7.8	14.2	19.9	12.5	Suspected close compan. follo. above
	24	25	2	2.1	8.2	12.3	6.4	Star reddish color.
	28	25	1	1.2	8.1	15.2	9.1	
	28	25	2	2.1	9.2	14.9	10.7	
7.0	30	25	1	14.8	21.0	27.0	20.9	
	30	25	2	19.3	25.0	30.2	25.3	
6.3	Feb 2	25	1	10.7	17.0	24.5	17.9	m
	2	25	2	24.1	30.1	37.2	30.3	m

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1878phae.proj.1398R

Lauri 5.4 h 5 m 2.2 +27° 53'

1878

				E	Z1	G	H	
Jan	14	30	4	42.1	53.2	48.9	59.9	m
	14							
	23	30	4	48.9	50.2	53.4	49.8	"
	23							
6.7	24	30	4	41.1	43.7	46.1	43.1	"
	24							
6.5	28	30	4	48.1	50.2	57.8	53.9	"
	28							
7.0 Feb	3	30	4	48.5	50.3	56.9	54.5	m
	3							
7.0	4	30	4	55.7	58.1	5.2	3.9	m
	4							

Camelop. (65B) 5.5 h 5 m 3.6 +73° 08'

1878

				E	Z1	G	H	
6.7 Jan	14	20	0	47.9	57.6	48.1	1.8	
	14	20	1	7.6	17.2	7.1	21.9	
	23	20	0	49.1	44.1	50.9	46.9	
	23	20	1	11.2	6.3	11.9	9.2	
6.8	24	20	0	55.8	52.9	58.8	55.8	
	24	20	1	17.3	14.4	19.3	16.7	
6.5	28	~~20~~	0	50.7	48.1	55.6	59.9	
	28	~~20~~	1	~~14.5~~	~~12.2~~	~~19.8~~	~~18.10~~	
6.5 Feb	3	20	0	45.9	44.1	51.1	50.0	m
	3	20	1	11.1	8.8	16.4	14.6	m
6.3	4	20	0	45.4	44.0	52.7	51.1	m
	4	20	1	11.9	10.8	19.8	18.9	m
6.8	5	20	0	22.5	22.2	30.8	30.0	m
	5	20	0	45.2	44.3	54.8	52.9	m

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1878phae.proj.1398R

Orionis (67B) 5.9 $5^h\ 8.^m4$ $+5^\circ$ i

	1878			E	Z1	B	Z4	
6.3	Jan 14	25	i	16.5	34.2	2.2	36.0	Lost 1st wire
	14							
6.2	24	25	0	58.4	5.8	8.4	2.5	
	24	25	1	51.2	58.0	0.6	55.9	
6.2	~~28~~	~~25~~	~~1~~	~~4.1~~	~~11.2~~	~~17.9~~	~~12.1~~	o.k.
	28							
6.0	Feb 3	25	0	45.5	51.9	58.5	53.8	m
	3	25	1	48.9	55.0	0.9	56.0	m
	7	25	0	39.2	47.8	0.8	56.7	R
	7							
	11	25	0	36.2	43.8	51.8	46.9	R

Camelop. 5.9 $5^h\ 9.^m2$ $+62$ 31

	1878			E	Z1	B	Z4	
	Jan 23	55	i	53.6	48.4	54.9	50.1	Lost A+,
	23	55	2	25.4	21.8	27.5	21.9	
6.5	30	55	1	58.7	56.0	2.6	59.2	Lost 1st 2 wire
	30	55	2	29.3	27.1	33.3	30.1	
6.2	Feb 2	55	1	50.1	47.6	55.3	51.6	
	2	55	2	22.6	20.3	27.4	25.5	
6.2	4	55	1	32.8	32.2	40.3	39.8	m Lost 2nd wire
	4	55	2	33.1	32.1	40.2	39.9	m Rej'+, if it is gotten
6.3	5	55	1	59.5	59.2	9.4	7.0	m Lost 1st 2 wire
	5	55	2	23.0	21.7	31.9	29.4	m
	6	55	2	15.9	15.1	27.1	24.7	m

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1878phae.proj.1398R

Aurigae 5.5 5^h 11.8^m +40° 58′

1878

				E	Z1	G	H	
Jan	14	25	4	49.2	2.1	5 2.6	7.8	
	14	30	0	38.0	51.4	42.1	55.1	
	23	25	4	58.2	58.1	4.4	58.1	
	23	30	0	48.1	47.4	53.3	49.1	
6.5	24	30	0	17.8	16.4	24.6	19.7	Lost 1st wire
	24	30	0	51.2	51.8	56.8	54.9	
7.0	28	25	4	54.3	55.1	3.1	59.8	
	28	30	0	46.2	47.2	56.0	53.2	
Feb	5	30	0	20.0	22.5	32.9	29.9 m	Lost 1st 3 wires
	5	30	1	0.1	1.8	12.9	9.2 m	
	6	25	4	43.9	46.1	58.7	55.6 m	
	6	30	0	50.9	54.1	6.7	2.5 m	

Orionis 5.9 5^h 26.7^m −1 41

1878

				E	Z1	G	H	
Jan.	12	5	2	46.1	2.9	5 4.7	6.9	Lost A_{+1}
	12	5	3	33.2	49.8	41.2	55.2	
6.0	14	5	2	21.1	38.8	29.8	41.1	
	14	5	3	16.0	33.8	24.4	36.9	
	23	5	2	24.1	27.7	34.8	23.9	
	23	5	3	18.4	22.5	27.2	19.3	
6.3	24	5	2	24.7	31.0	36.4	28.1	
	24	5	3	19.0	25.3	29.7	21.8	
6.6	28	5	2	32.6	38.8	47.9	38.9	
	28	5	3	32.0	38.3	46.5	40.2	
6.0	Feb 2	5	2	52.1	58.0	5 8	56.9	m
	2	5	3	37.1	43.8	51.7	42.7	m

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1878phae.proj.1398R

Orionis 5.9 5h 40.3m +9° 29'

	1878			E	F	G	H	
6.5	Jan. 12	55	3	18.2	35.1	25.1	35.9	
	12	55	4	11.1	27.3	17.1	29.6	
6.3	14	55	3	11.1	27.9	18.1	31.0	
	14	55	4	2.8	20.1	9.1	23.3	
6.8	24	55	3	23.1	28.5	32.7	25.1	Ref 2nd & 4th there is one
	24	55	4	31.3	36.2	39.7	34.5	
	30	55	3	22.8	27.0	33.8	26.3	
	30	55	4	15.2	19.9	24.8	19.2	
6.3	Feb 3	55	3	18.2	22.4	29.9	25.1	m
	3	55	4	31.2	33.9	42.8	37.7	m
6.5	4	55	3	29.3	34.8	42.9	38.3	m
	4	55	4	32.0	38.1	46.7	41.1	m

Orionis (200B) 5.9 5h 43.9m +4 23

	1878							
6.8	Jan. 12	0	3	28.2	46.8	35.3	47.8	
	12	0	4	4.9	23.2	11.6	25.2	
	14	0	3	36.1	54.0	43.2	55.6	Lost H+1
	14							
6.7	24	0	3	30.5	38.0	41.0	34.0	
	24	0	4	22.9	29.8	32.2	25.9	
	30	0	3	36.9	43.4	48.8	41.9	
	30							
6.7	Feb 2	0	3	37.9	43.9	48.2	42.2	m
	2							
	6	0	3	36.9	45.9	55.8	49.1	m
	6							

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1878phae.proj.1398R

D. M. 1110			5.9	h 5	m 45.3	+19°	50′		
	1878				E	F	G	H	
6.7	Jan.	12	35′	2	28.9	45.5	36.5	46.6	Lost 1st 2 wires
		12	35	2	53.7	9.9	59.4	11.2	
6.8		24	35	2	20.6	25.4	29.8	23.9	
		24	35	3	11.1	15.1	19.1	14.0	
		30	35	2	5.9	9.0	16.1	8.8	
		30	35	2	56.2	58.4	4.8	59.9	
6.6	Feb	2	35	1	56.4	59.5	6.9	1.0	m
		2	35	3	2.1	5.6	12.1	5.8	m
		7	35	1	32.9	39.1	54.9	48.0	m
		7	35	0	29.1	35.9	51.6	44.0	m
6.0		11	35	1	38.0	42.3	51.5	44.4	m
		11	35	0	31.8	36.5	45.9	39.6	m
Orionis			5.9	h 5	m 58.7	+29	31		
	1878								
6.0	Jan.	12	55	1	9.1	24.1	13.0	(25.5) 2	
		12	55	1	56.2	10.5	58.9	16.3	
7.0		24	55	1	7.8	8.9	13.2	9.1	
		24	55	2	11.4	13.2	17.0	13.9	
		30	55	1	3.9	6.4	11.1	6.9	
		30	55	2	6.0	8.6	12.8	9.7	
7.0	Feb	2	55	1	1.1	8.4	7.3	4.9	m
		2	55	2	8.5	10.4	15.2	12.1	m
7.2		3	55	0	55.3	57.5	3.0	0.0	m
		8	55	2	7.8	10.2	16.5	13.4	m
6.8		4	55	1	2.9	6.2	13.1	10.9	m
		4	55	2	4.1	7.9	14.5	12.2	m

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1878phae.proj.1398R

Aurigae 5.9 6h 4.5m +32° 43'

	1878			E	F	G	H	
6.4	Jan. 12	40'	4'	44.7"	58.1"	50.5"	3.8"	Lost A_{+1}
	12	45	0	14.2	28.3	14.7	36.1	
7.0	24	40	4	21.6	22.6	28.1	23.5	
	24	45	0	9.8	10.4	16.8	12.7	
	30	40	4	59.1	1.1	5.9	1.9	Lost the 1st 2 wires
	30	45	0	27.6	28.4	35.5	32.8	
6.5	Feb. 2	40	4	32.0	33.9	40.2	36.0	m
	2	45	0	25.9	27.2	34.3	30.2	m
6.7	3	40	4	11.1	13.1	21.2	15.5	m
	3	45	0	16.5	17.5	27.4	22.9	m
	4	40	4	2.8	5.2	14.1	11.1	m
	4	45	0	2.1	4.0	13.5	10.2	m

D. M. 12 35 5.9 6h 11.3m +14 26

	1878							
6.8	Jan. 12	0	1	26.1	43.5	34.2	44.9	
	12	0	2	16.4	33.2	23.4	35.0	
6.5	Feb. 11	0	1	9.7	15.3	23.6	16.1	m
	11							
7.0	28	0	1	13.8	20.3	34.2	27.8	rej' A_{-2}
	28							
7.1	March 6	0	1	11.4	18.1	30.1	23.9	
	6							
	16	0	0	8.9	15.2	32.9	25.9	A_{2345} A_{-1} A_{-2}
	16							
6.7	19	0	1	15.7	23.2	36.3	30.4	
	19							

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1878mae.proj.1398R

Orionis (291B)		5.5	6h	13.2m	+14°	43′			
	1878			E	F	G	H		
6.0	Jan. 12	40′	4′	56.2″	13.1″	1.7″	14.1″		
	12	45	0	45.3	2.7	54.2	3.2		
6.3	Feb. 11	40	4	44.8	50.1	57.2	51.7	M	
	11	40	3	27.9	34.1	42.1	34.1	M	
7.0	March 6	40	4	42.1	48.1	59.9	54.8		
	6	40	3	24.8	32.1	44.9	37.2		
6.4	16	40	4	6.3	12.9	29.9	23.1		
	16	40	3	22.4	30.0	46.6	40.8		
6.3	19	40	4	47.6	54.1	7.1	1.0		
	19	40	3	39.0	45.6	59.0	54.3		
	21	40	4	37.9	44.1	54.9	47.4		
	21	40	3	31.3	38.7	48.6	42.7		
5 Lyncis		5.9	6h	16.6m	+58	29			
	1878								
5.5	Jan. 12	55	4	23.5	34.2	24.8	40.5	Lost A_{+1}	
	12	55	4	48.3	59.3	49.8	7.6		
6.0	Feb. 11	55	3	11.5	11.2	18.1	15.0	m Lost A.2	
	11	55	2	31.8	31.0	37.6	35.9	m	
~~6.2~~	~~14~~	~~55~~	~~2~~	~~47.4~~	~~47.2~~	~~55.1~~	~~51.1~~	~~m Lost A 1 2 3~~	
	~~14~~	~~55~~	~~2~~	~~7.1~~	Rej 2nd S. 1 stroke for i^{+1} if S				
5.4	18	55	3	7.1	6.1	13.9	9.6	Lost A_{+1}	
	18								
5.0	19	55	3	37.1	37.2	43.9	40.1		
	19								
5.5	24	55	2	~~32.3~~ 43.6	~~34.2~~ 45.0	~~46.3~~ 56.5	53.1	A -1	
	24								

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1878phae.proj.1398R

Camelop. (121 B) 5.9 h 22m.1 +78° 6'

	1878			E	F	G	H		
		'	'	"	"	"	"		
6.7	Jan. 12	20	3	23.8	34.0	21.8	43.0		
	12	20	3	29.1	40.3	27.2	59.3		
6.8	Feb. 7	20	2	3.9	4.6	16.1	17.6	m	C + B
	7	20	1	44.2	45.6	57.7	58.6	m	
6.7	11	20	2	41.9	42.3	48.6	49.8	m	A −1
	11	20	1	30.9	29.6	35.1	36.1	m	
6.2	14	20	2	13.9	13.0	19.4	18.4	m	
	14	20	1	41.1	42.1	47.6	47.1	m	Lost A
6.3	18	20	2	11.1	9.9	14.1	15.9		1 stroke for +1 1/2 − δ
	18	20	1	52.5	51.3	55.3	58.7		
6.6	19	20	2	4.2	3.1	8.6	8.9	m	Lost A +1
	19	20	1	50.9	49.4	55.2	55.7	m	

Camelop. 5.9 h 22m.8 +73 46

	1878								
6.4	Feb. 24	40	0	30.1	31.1	42.1	39.2	m	
	24	35	4	58.2	59.1	7.2	7.0	m	
6.2	26	40	0	28.1	28.2	37.8	36.4	m	
	26	35	4	32.0	32.2	40.2	39.6	m	
6.9	27	40	0	24.9	26.2	38.6	37.8		
	27	35	4	38.8	39.3	51.1	49.3		
6.8	28	40	0	21.8	22.1	35.9	33.8		
	28	35	4	44.5	44.8	56.8	56.7		
7.2	March 5	40	0	21.0	20.6	31.2	30.1	M	
	5	35	4	54.9	54.9	3.8	3.1	M	
6.8	6	40	0	19.1	19.1	30.5	29.9	m	
	6	35	4	38.0	39.3	49.1	48.2	m	

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1878phae.proj.1398R

Monocer. (50B)	5.4	6^h	25.1^m	+11°	38′			
1878			ε	ζ1	ζ	η		
		′	″	″	″	″		
6.4 Jan. 12	45	4	24.1	41.1	30.7	43.0		
12	50	0	6.3	22.9	14.2	29.0		
6.5 Feb. 7	45	3	45.1	52.2	5.5	59.9	m 1 too many wires in ~~13~~ A+1	
7								
6.4 11	45	3	59.1	4.9	11.1	5.0	m	
11							m	
5.6 14	45	4	5.5	11.7	18.1	11.8	m	Rej. 2nd δ
14								
18	45	4	6.4	13.1	~~19~~.7	13.5	m	
18								
5.8 19	45	4	5.9	11.3	17.9	12.7		
19								
Camelop.	5.9	6^h	26.4^m	+71°	51′			
1878								
Feb. 24	35	1	2.1	3.7	13.9	11.9	A+A−1 rej 1st δ, Lost A4	
24								
6.4 26	35	1	19.5	19.3	28.9	27.6	Lost A+1 1	
26								
6.4 27	35	1	35.1	35.9	47.9	47.0	A+1 A	
27								
28	35	1	20.8	21.4	33.9	33.9		
28								
March 5	35	1	23.9	25.1	34.7	34.1	A+1 3,4,5,6,7,8,9+A	
5								
6.1 16	35	1	37.7	~~38.8~~ 39.2	54.9	53.8		
16								

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1878phae.proj.1398R

Gemmor. (48B) 5.9 6h 26.8m +14 14

	1878			G	I	G	H	
6.2	Jan. 12	10	2	50.2	8.3	58.6	9.9	A4 - A-1
	12	10	3	23.0	40.3	30.0	43.2	
6.6	Feb. 7	10	1	46.9	53.7	8.8	1.6	m
	7	10	0	43.2	50.3	5.2	57.9	m
6.5	11	10	1	48.9	54.9	2.9	54.2	m
	11	10	0	42.6	47.9	57.5	48.1	m
	14	10	1	58.3	3.9	12.1	3.1	m
	14	10	0	49.1	56.4	3.9	55.9	m
	18	10	1	56.1	2.1	10.5	2.2	
	18	10	0	47.5	52.2	0.4	53.9	
6.3	19	10	2	3.9	10.8	18.2	9.9	
	19	10	0	50.7	55.8	4.3	57.4	

Monocer. (58B) 5.7 6h 27.5m -1 7

	1878							
	Feb. 24	30	3	4.9	13.9	26.2	18.8	A-1
	24							
	26	30	3	29.1	37.1	48.7	40.6	rej. 1st I. wire obs'd
6.6	26	30	2	43.7	51.2	1.4	56.3	A3 < fall.?
6.3	27	30	4	5.0	12.8	27.1	20.1	
	27	30	2	59.7	6.5	19.8	15.2	
	28	30	4	6.4	13.8	28.1	22.4	
	28	30	2	59.2	6.2	20.9	16.0	
6.5	March 5	30	4	2.8	11.2	22.1	16.0	
	5	30	2	56.1	3.6	15.9	9.5	
6.5	16	30	3	32.9	41.9	57.7	57.8	Lost first 2 wires
	16	30	2	54.0	1.6	18.7	12.1	

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1878phae.proj.1398R

Geminorum (76 B) 5.5 6h 41.9m +32° 44'

1878

				E	A	G	H	
		°	'	"	"	"	"	
6.3	Jan. 12	40	2	48.1	1.9	52.9	5.2	
	12	40	3	34.7	48.6	39.1	55.9	
6.8	Feb. 7	40	2	12.9	17.7	32.3	27.9	m
	7	40	1	23.1	27.8	43.5	38.4	m
~~6.6~~	~~11~~	~~40~~	~~1~~	~~49.7~~	~~51.1~~	~~59.1~~	~~56.1~~	~~m Lost A +1~~
	11	40	1	25.1	27.6	35.5	31.9	m
	13	40	1	55.1	58.2	7.2	3.1	m
	13	40	1	22.9	27.2	36.8	32.6	m
6.5	24	40	1	59.9	4.6	16.2	11.9	
	24	40	1	25.6	30.3	42.3	37.7	
6.6	26	40	2	36.4	39.9	51.3	46.2	
	26	40	1	28.6	32.1	42.3	39.3	

Geminorum (110 B) 5.9 6h 55.4m +17° 55'

1878

6.0	Jan. 12	30	1	26.1	43.2	33.4	44.0	
	12	30	2	13.4	30.0	20.0	33.6	
6.5	Feb. 7	30	1	2.8	9.2	23.7	17.9	m
	7	30	0	1.9	8.9	22.5	17.4	m
6.7	11	30	1	14.4	19.3	27.1	21.0	m
	11	30	0	4.8	9.1	16.4	10.9	m
	13	~~30~~ 25	~~0~~ 4	~~46.9~~ 50.1	~~0~~ 5	~~52.9~~	~~lol~~ ——	m 0. R.
	13	25	4	50.1	56.7	4.5	59.8	m Rej 2nd 5 of three sets
6.0	14	30	1	15.5	21.1	27.6	21.9	m
	14	30	0	5.6	10.0	18.9	12.1	m
	18	30	1	15.9	21.0	28.8	23.1	
	18	30	0	6.2	11.1	19.8	15.0	

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1878phae.proj.1398R

Geminor. (III B) 5.9 6h 55m.4 +15° 30'

				E	H	G	Hb
	1878			"	"	"	"
6.9	Feb. 19	55	1	0.2	5.5	13.9	5.9
	19	55	0	7.9	12.3	20.3	15.0
6.8	24	55	1	14.2	21.2	34.1	27.2
	24	55	0	3.0	10.2	22.2	15.2
6.2	26	55	1	15.1	21.1	32.2	25.1
	26	50	4	53.3	59.5	8.9	2.3
6.3	27	55	1	15.5	21.2	35.3	29.1
	27	50	4	52.6	58.6	11.9	5.2
6.3	28	55	1	18.1	25.1	39.5	33.4
	28	50	4	55.8	1.9	16.3	10.2
	March 4	55	1	6.1	12.7	24.9	19.6
	4	50	0	5.3	11.6	24.0	18.7

Rej. A −2

Rej. A −2' 1

Amicae 5.9 6h 59m.5 +34 11

	1878						
6.5	Jan. 12	15	0	32.8	46.8	36.8	50.5
	12	15	1	24.7	39.1	29.3	43.9
6.7	Feb. 7	15	0	15.1	19.8	34.6	30.8 m
	7						
6.4	11	15	0	21.8	23.2	31.4	29.2 m
	11						
6.6	13	15	0	19.9	24.0	32.5	29.9 m. rej. 2" δ
	13						
6.2	14	15	0	27.2	30.7	37.9	34.8 m
	14						
6.7	24	15	0	13.9	18.9	29.8	25.9
	24						

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1878phae.proj.1398R

Monocer. (32 B) 5.7 7^h 1.3^m $+7^\circ$ 4′

	1878				E	F	G	H	
6.4	Jan. 12	45	2	34.1	50.8	40.8	51.6		Lost 1st wire
	12	45	3	11.2	28.3	17.7	30.9		
6.6	Feb. 7	45	1	51.4	57.9	11.3	4.8	m	
	7	45	0	43.9	50.4	4.3	57.9	m	
6.3	11	45	2	1.9	7.1	13.6	7.9	m	
	11	45	0	47.9	52.2	59.1	52.4	m	
6.4	13	45	2	2.8	8.6	17.2	10.2	m	
	13	45	0	43.1	49.9	58.1	51.1	m	
6.2	14	45	2	2.3	7.9	15.0	(56.0)	m	
	14	45	0	49.8	55.1	2.3	55.2 since	m	
6.7	24	45	1	58.7	5.7	17.0	10.2		
	24	45	0	46.4	53.9	3.7	58.6		

D. M. 1744 5.9 7^h 25.7^m $+23$ 9

	1878							
6.6	Feb. 13	15	3	16.9	22.9	27.9	25.6	m False stroke after A −1
	13	15	2	2.4	8.1	14.7	11.2	m.
	18	15	3	12.5	17.0	21.8	18.3	
	18	15	2	5.4	8.7	13.6	11.2	
7.0	19	15	3	7.1	11.2	15.1	12.2	
	19	15	2	10.2	14.0	18.0	16.3	
7.0	24	15	3	11.9	18.2	27.4	23.6	
	24	15	2	1.3	7.3	15.7	13.7	
6.7	26	15	3	20.0	26.1	32.4	29.9	
	26	15	2	6.3	11.8	18.0	16.3	
7.0	27	15	3	8.3	13.9	23.2	20.5	
	27	15	2	6.3	11.9	213	19.8	

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1878phae.proj.1398R

Geminor. 5.9 7h 33.8m +23° 19'

	1878			E	F	G	H	
6.2	Feb. 24	5	4	3.7	9.2	18.1	14.7	Rej. 2nd δ
	24							
6.3	26	5	4	6.9	12.8	20.5	16.0	
	26							
6.0	27	5	4	6.4	12.1	21.9	19.9	
	27							
	28	5	4	5.4	10.4	21.4	18.9	
	28							
6.7	March 5	5	4	10.8	17.0	24.9	22.1	
	5	5	2	54.8	0.4	7.7	6.3	
6.2	19	5	4	0.5	6.0	16.9	14.8	
	19	5	3	0.9	6.7	16.3	16.2	

Geminor. (189B) 5.9 7h 35.3m +14° 29'

	1878							
6.6	Feb. 13	55	2	21.9	28.8	36.9	29.9	
	13	55	1	8.0	15.1	23.2	15.8	
	18	55	1	45.1	51.9	59.8	51.8	Lost A_{+1} 1
	18							
6.1	24	55	2	10.5	17.3	29.2	21.4	
	24							
6.2	26	55	2	27.3	34.4	44.9	36.9	
	26							
6.5	27	55	2	18.4	26.1	37.9	30.4	
	27	55	1	10.3	16.8	29.7	23.8	
6.7	28	55	2	23.8	30.2	44.9	37.1	
	28	55	1	5.7	11.6	25.9	19.7	

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1878hae.proj.1398R

Lyncis 5.3 7h 38.6m +37° 48'

				E	F	G	H	
	1878							
	Feb. 24	35'	3	32.6"	36.9"	47.9"	44.1"	
	24	35	2	28.9	33.7	44.2	41.1	
6.0	26	35	3	36.1	39.1	49.6	45.7	
	26	35	2	28.4	32.0	41.3	39.7	
6.0	27	35	3	35.1	39.4	51.1	48.3	
	27	35	2	28.4	32.3	44.3	41.6	
6.2	28	35	3	28.8	32.2	45.0	42.7	
	28	35	2	27.8	31.9	44.2	42.3	
6.3	March 5	35	3	33.9	38.0	48.9	44.8	
	5	35	2	24.3	28.7	38.4	38.9	
6.3	21	35	3	43.1	46.1	55.8	52.9	
	21	35	2	29.0	33.0	42.2	40.0	

Cancri (2 B) 5.9 7h 51.7m +16 50

	1878							
6.7	Feb. 13	35	1	10.8	6.4	25.2	19.1	
	13	35	0	0.2	6.4	15.8	8.9	Perhaps hit telescope after 2nd setting
6.4	24	35	0	57.2	3.9	16.4	9.8	
	24	30	4	57.1	3.2	15.2	9.7	
6.2	26	35	1	8.3	14.2	24.2	18.8	
	26	30	4	55.4	1.3	10.3	6.4	
6.2	27	35	1	16.2	22.5	35.9	29.9	
	27	35	0	0.0	5.3	19.2	14.3	Perhaps hit the telescope after 2nd S
6.3	28	35	1	13.1	19.6	33.6	27.2	m
	28	35	0	0.8	6.9	21.7	14.8	m
6.1	March 16	35	1	12.7	19.1	35.3	29.2	
	16	35	0	0.0	7.1	23.3	17.2	

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1878phae.proj.1398R

Lyncis (101 B) 5.9 8h 17m.4 +35° 2'4

	1878			E	F	G	H.	
6.4	Feb. 24	0	3	2'.1	7".1	16".9	14'.2	
	24	0	1	45.8	49.6	0.2	59.2	
6.4	26	0	2	53.5	56.9	5.3	3.2	
	26	0	1	50.2	53.5	2.2	1.0	
6.5	28	0	2	52.0	56.4	7.8	7.0	
	28							
6.3	March 5	0	3	0.1	3.9	13.6	11.8	
	5							
	6	0	2	22.9	27.1	37.5	35.9	m
	6	0	1	33.8	38.2	49.9	48.0	m
	16	0	2	55.1	1.1	14.8	12.2	
	16							

Ursae Maj. 5.9 8h 37m.9 +67 8

	1878							
6.9	Feb. 27	15'	3	10".4	10".2	20".1	20".8	
	27							
6.6	28	15	3	38.4	38.4	50.0	51.1	
	28	15	2	54.9	54.9	4.9	6.1	
7.0	March 5	15	3	39.9	40.0	48.1	47.9	
	5	15	2	59.7	0.0	6.6	9.5	
6.5	16	15	3	21.1	23.0	35.1	35.1	m
	16	15	2	29.2	31.8	44.1	43.9	m
6.0	19	15	3	19.4	19.9	30.1	31.7	m
	19	15	2	35.1	36.1	47.0	47.1	m
	21	15	3	22.1	22.1	29.1	29.2	
	21	15	2	32.7	32.6	39.9	42.1	

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1878mae.proj.1398R

Draconis 5.9 18^h 51.2^m $+9°\ 51'$

1878

				E	F	G	H	
7.0	March 5	35	0	24.7	32.0	42.8	35.2	
	5	30	4	12.7	20.8	29.2	24.8	
6.9	16	35	0	22.5	30.3	45.9	39.6	
	16	30	4	15.8	25.3	37.4	32.3	
	19	35	0	32.9	40.1	53.3	47.7	
	19	30	4	11.4	19.2	30.2	25.8	
	21	35	0	20.7	27.6	37.1	31.7	False stroke fills. A-1
	21	30	4	0.7	8.9	16.4	12.2	
6.4	Apr. 2	35	0	26.8	33.4	49.1	43.4	
	2	30	4	14.5	21.4	35.3	33.2	
	3	30	4	56.8	4.0	18.8	12.4	
	3	30	4	16.6	23.3	37.2	35.1	

Ursa Major. 5.9 9^h 3.8^m $+73\ 26$

1878

March	16	0	0	48.8	49.9	2.7	2.9	
6.2	16	55	4	55.0	55.7	7.9	8.7	
6.4	19	0	0	53.8	54.1	4.6	4.9	
	19	55	4	0.9	0.9	7.9	13.0	
	21	0	0	34.0	33.7	42.3	41.8	
	21	55	4	57.9	57.4	5.2	6.0	
6.5	26	0	0	20.3	20.8	31.7	32.0	A Y A −1
	26	55	4	56.5	56.4	5.8	6.9	
6.2	Apr. 2	0	0	23.3	23.4	37.5	36.1	
	2	55	4	51.0	51.4	4.0	5.6	
	3	0	0	44.9	45.1	59.8	596	Perhaps 6 strokes for 1st δ
	3	55	4	56.7	59.5	12.4	13.0	

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1878phae.proj.1398R

Ursa Major. 5.9 $10^h\ 12.0^m$ +49° 00

1878

				E	F	G	H	
6.7	March 30	25	1	45.5	48.1	0.5	56.8	
	30	25	0	46.3	49.1	0.5	59.0	
7.0	31	25	1	51.8	54.1	6.5	3.6	
	31	25	0	50.5	53.4	4.8	3.6	
	Apr. 2	25	1	52.8	54.2	8.0	5.5	
	2	25	0	54.2	56.2	9.5	9.1	
-1	3	25	1	8.1	10.1	23.4	21.9	False stroke in 1st S
	3	25	1	45.8	48.0	1.2	59.2	Lost A_{+1}
	8	25	2	0.9	2.2	17.1	14.1	Rej. A_{+2}
	8	25	0	45.3	47.4	0.8	59.5	
	13	25	2	0.9	2.1	16.8	13.4	
	13	25	0	49.8	50.6	5.0	3.4	

51 Leonis 5.4 $10^h\ 39.9^m$ +19 32

1878

6.2	March 30	55	0	9.1	15.9	29.8	23.9	False stroke after A_{-1}
	30	50	3	47.7	55.2	6.8	2.7	
6.3	31	55	0	1.3	8.1	21.9	16.9	
	31	50	3	57.8	5.0	17.0	13.3	
	Apr. 2	55	0	9.1	15.9	30.9	25.7	
	2	50	3	58.7	5.2	20.2	15.8	
	8	55	0	10.7	17.0	31.9	26.6	
	8	50	3	~~59.1~~ 59.2	4.7	19.0	14.7	
	13	55	0	7.6	12.9	29.1	22.9	
	13	50	3	57.9	3.2	18.3	13.4	
+8 6.0	14	55	0	10.8	16.5	32.2	26.2	Rej. A_{+2}
	14	50	3	53.0	59.7	14.2	9.0	

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1878phae.proj.1398R

Ursa Major. 5.9 h 10 m 52.2 +52 32

				E	F	G	H	
	1878			'	'	"	"	
Apr. 2	21	55	0	27.9	30.2	45.8	42.1	
	13	55	0	34.4	36.4	51.6	48.1	
	13	50	4	28.8	30.4	45.4	41.9	15 wires
6.0	18	55	0	30.8	32.8	49.1	45.1	A_{+2} A_{+1} $+A_{\cdot}$
	18							
May	2	55	0	21.6	22.0	42.4	37.8	Lost A_{-1}
	2							
6.7	4	55	0	29.8	31.9	52.0	47.4	A_{+1} A
	4							
7.0	6	55	0	20.3	22.0	40.9	35.1	
	6							

Ursa Major. (208.B) 5.9 h 10 m 52.8 +36 44

	1878							
Apr. 2	~~40~~	~~1~~	~~35.9~~	~~39.0~~	~~54.5~~	~~52.1~~		
	~~21~~	~~40~~	~~1~~	~~0.4~~	~~3.8~~	~~19.4~~	~~17.1~~	Prob. wrong #, should read 40 4
6.8	14	40	2	27.9	31.4	47.2	44.0	
	14	40	1	8.7	12.2	26.9	24.8	
	16	40	2	26.8	29.3	46.1	42.6	
	16	40	1	21.9	24.8	41.3	39.7	
6.7	18	40	1	45.8	47.8	4.8	3.1	A_{+1} 3+4 A, A_{-1} $+A_{-2}$
	18	40	1	5.2	7.4	23.7	22.6	
6.4	May 2	40	1	52.1	52.8	14.0	9.4	
	2	40	1	9.7	11.4	30.3	28.1	Lost 1st 2 wires of A_{+1}
6.5	4	40	1	53.8	55.5	17.4	12.9	
	4	40	1	17.7	20.2	39.8	37.7	A H2
6.5	6	40	1	27.9	30.1	50.1	45.0	Rej. 1st 2nd 8
	6							A_{4} & 5 + A_{+1}

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1878phae.proj.1398R

Ursae Majoris. 5.9 $11^h\ 53.1^m$ $+33^\circ\ 49'$

				E	F	G	H
	1878						
6?	Apr. 18	35'	1	37.0	40.4	57.1	53.7
	18	35	0	31.2	33.8	50.3	47.8
6.5	May 2	35	1	36.1	37.2	57.5	54.2
	2	35	0	21.3	22.8	43.1	39.7
6.5	6	35	1	41.6	43.9	3.4	58.1
	6	35	0	29.0	32.1	52.0	54.7
6.2	7	35	1	40.5	43.0	2.0	57.8
	7	35	0	28.6	30.8	50.3	46.8
6.1	8	35	1	38.9	42.1	0.2	56.2
	8	35	0	18.8	14.9	34.1	30.8

Comae (36B) 5.5 $12^h\ 10.5^m$ $+29\ 37$ Comes 1m too late

	1878						
	May 2	50	0	25.3	28.1	46.5	42.5
	2	45	4	22.5	25.0	41.0	40.0
	5	50	0	15.3	20.5	37.3	35.3
	5						
6.2	6	50	0	36.1	41.1	57.7	52.9
	6	45	4	12.8	15.4	31.1	29.3
6.0	8	50	0	33.1	38.2	54.2	51.2
	8	45	4	19.8	23.2	37.9	37.4

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1878phae.proj.1398R

Comae (36 B)		5.5	h 12	m 14	s 18	+27°	′ 44		
1878				E	F	G	H		
May	2	40	1	53.1	55.1	14.2	10.1	A	A−1
	2							Double, 2nd S. 3 strokes for each S	
	5	40	1	44.3	47.6	6.2	3.9	2nd R. Low A−1, Red	
	6	40	2	6.7	8.9	26.3	21.9	A−1, 3 strokes each S. 2nd S Pr.	
	6							alternate strokes for S	
6.7	7	40	3	12.0	14.1	30.6	27.9	Same remarks as for May 6	
	7	40	1	55.3	58.2	14.9	11.8	for S	

Comae (28 B)		5.9	h 12	m 43	s 0	+25	30	
1878								
May	1	55	1	33.1	38.9	56.3	51.9	
	1	55	0	34.2	38.8	56.2	53.4	
6.8	2	55	1	48.9	51.9	10.7	7.6	
	2	55	0	36.7	40.0	58.1	55.2	
	5	55	1	35.2	40.4	59.2	56.5	VVR.
	5							
6.1	6	55	1	37.2	42.1	59.8	54.8	
	6	55	0	32.1	37.0	55.9	49.2	
6.6	7	55	1	37.0	41.2	59.0	54.9	Suspected very close
	7	55	0	32.3	37.0	54.3	51.4	double.
6.7	8	55	1	21.8	27.1	45.1	41.1	
	8	55	0	33.8	39.1	55.6	53.3	

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1878phae.proj.1398R

70 Uro. Major. 5.9 h 12 m ~~52~~ 15 s 0 ° +58 ' 32

1878

Not very good places.

Not seen
at 2nd

Virginis (485B) 5.4 h 13 m 11 s 18 +14 18

1878

5.9	May 7 7	5	3	6.4	13.1	30.8	23.8
6.0	8 8	5	3	8.3	15.0	32.9	25.9
6.4	June 3 3	5	3	3.7	9.9	27.9	22.0
6.0	5 5	5	2	37.4	43.7	0.9	54.8
6.3	6 6	5	2	54.1	1.8	17.9	13.1
6.0	9 9	5	3	0.9	8.9	25.5	20.0

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1878phae.proj.1398R

Draconis 5.9 13h 12m 30s +69° 2′

1878

				E	F	G	H	
				″	″	″	″	
May	1	10	3	4.5	4.7	22.9	18.4	lost 1st ″ 6 wires of A−1
	2	20	4	24.5	23.2	42.3	39.9	
	1	10	4	58.1	6.2	20.2	16.3	
	2	20	4	50.6	49.4	7.2	7.0	
~~June~~	5	20	4	~~58.6~~ 3	58.3	17.8	16.1	Lost A−1 confirmed wires
	5							(Should it be A+1 R.V.R. Should it be A+1 R.)
6.3 June	9	20	4	15.2	15.9	30.9	32.9	Lost 1st wire
	9	20	3	43.2	44.7	59.2	0.6	
June	13	20	4	34.9	35.9	52.9	52.9	Lost 1st 2 wires
	13	20	3	38.9	40.2	56.2	57.0	

Virginis 5.5 13h 15m 36s +2 43

1878

May	5	40	2	23	10.5	17.5	22.2	VAR Lost A−1
	5							
5.9	8	40	3	10.6	18.5	35.2	29.9	
	8	40	1	56.7	4.8	20.6	16.1	
6.0 June	3	40	2	53.9	1.2	18.7	14.2	
	3	40	1	52.2	59.8	16.2	13.4	
6.3	5	40	3	12.0	13.6	28.9	24.4	
	5	~~40~~	~~3~~	~~12.0~~				
6.1	6	40	3	5.0	13.1	27.2	24.9	
	6	40	1	46.1	45.0	8.8	6.0	
6.3	9	40	2	47.8	56.2	11.1	7.8	
	9	40	1	52.9	1.7	16.2	14.0	

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1878phae.proj.1398R

Comae 5.9 h 13 m 31 s 18 +25° 13'

				ξ	η	ζ	θ
1878				"	"	"	"
May	1	10	3	0.5	4.7	22.9	18.4
	1	10	1	58.1	3.2	20.2	16.3
6.2	2	10	3	10.7	14.1	32.8	28.8
	2						
7.5	5	10	2	43.6	48.8	7.2	2.9
	5	10	1	49.7	55.5	13.4	9.3
6.0	7	10	3	16.2	20.5	37.1	34.1
	7						
6.6	June 3	10	3	2.7	8.1	25.3	22.9
	3	10	1	54.0	58.8	15.7	13.7
6.5	6	10	3	4.9	10.4	25.9	23.9
	6	10	1	56.1	2.7	17.1	15.1

Can. Ven. (194B) 5.9 h 13 m 34 s 48 +31° 37'

1878							
May	1	45	4	47.5	50.9	8.9	4.6
	1	45	3	33.0	37.3	54.3	51.8
	2	45	4	29.0	30.1	48.8	44.5
	2						
	5	45	4	43.0	47.2	6.1	1.9
	5	45	3	37.6	42.8	0.2	57.8
6.7	June 3	45	4	43.6	47.9	4.9	3.1
	3	45	3	34.0	38.2	54.7	53.7
6.4	6	45	4	38.8	44.9	59.2	57.7
	6	45	3	32.1	38.2	52.5	51.7
6.7	9	45	4	28.0	33.8	49.4	47.0
	9	45	3	34.4	39.7	55.2	54.2

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1878phae.proj.1398R

					E	F	G	H	
Can. Ven.		5.5	h 13	m 45	s 54	+35° 16′			
	1878								
	May 1	10	1		2.9	6.3	24.5	19.8	
	1	10	0		2.8	5.9	24.7	20.8	
	2	10	0		56.8	58.2	18.0	14.5	
	2	10	0		12.2	14.7	33.2	31.2	
	5	10	0		52.2	56.9	17.1	12.2	25 wires
	5								
6.7	7	10	0		35.8	38.9	56.6	52.9	
	7	10	0		12.2	14.9	32.5	30.0	
6.8	June 3	10	0		56.9	0.9	18.9	16.8	
	3	5	4		56.8	59.9	16.8	16.2	
6.3	6	10	1		9.4	14.1	29.9	28.2	
	6	5	4		57.8	2.1	18.8	17.2	
Bootis (58 B)		5.9	h 13	m 55	s 24	+9 29			
	1878								
6.0	May 7	55	3		0.0	6.3	23.9	16.9	
	7	55	1		43.7	50.3	6.4	3.1	
6.6	June 19	55	2		43.9	48.6	6.1	1.1	
	19	55	1		35.9	41.2	58.3	54.0	
6.6	20	55	2		53.8	58.1	15.9	11.6	
	20	55	1		29.9	34.5	52.2	48.0	
	24	55	2		29.8	35.1	53.4	48.9	
	24	55	1		43.3	48.1	6.0	2.6	
	25	55	2		41.8	46.2	4.7	0.5	
	25	55	1		36.9	42.6	0.6	55.6	
	26	55	2		51.5	56.7	14.2	9.8	
	26	55	1		35.3	41.5	58.2	54.5	

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1878phae.proj.1398R

Can. Ven. 5.9 $13^h\ 57^m\ 24^s$ +46° 26

				E	F	G	H
1878							
May	2	5	2	2.3	3.1	22.1	17.8
6.0	2						
7.0	7	5	1	26.9	28.9	47.2	41.9
	7	~~5~~	~~1~~	~~26.6~~	~~29.0~~	~~45.2~~	
6.5	June 3	5	1	37.9	40.1	57.6	54.9
	3	5	0	47.2	49.7	7.1	5.2
6.3	5	5	2	0.3	2.7	19.5	15.2
	5	5	0	50.1	52.9	19.8	6.9
6.6	6	5	1	42.8	46.1	1.4	58.6
	6	5	0	30.6	35.4	50.5	48.3
6.4	9	5	1	34.9	38.2	54.6	52.1
	9	5	0	53.0	56.8	13.2	10.6

Rej. 2nd & 4th

Deaconis (248B) 57 $14^h\ 28^m\ 48^s$ +55 56

1878

~~June 4~~ A. R. Mayer

4

5.9	5	30	1	38.9	40.2	55.9	54.2
	5	30	0	36.2	38.9	54.0	52.1
6.0	6	30	1	19.0	22.1	35.9	35.2
	6						
5.5	9	30	1	19.8	21.1	36.0	35.8
	9						
6.9	19	30	1	13.0	12.6	29.9	27.8
	19	30	0	24.3	24.9	40.9	40.2
5.9	20	30	1	30.9	30.2	47.2	46.4
	20	30	0	21.8	22.0	38.3	37.1
		4					

J. F. M.

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1878mae.proj.1398R

ζ Bootis		5.9	h 14	m 34	s 54	+22°	′ 30		
1878				E	F	G	H		
6.3	June 5	5 5	2	21.7	27.9	41.1	39.1	Rej. 3 wires Coll. A_1	
	5	55	1	1.1	7.9	20.9	19.1		
6.4	6	55	2	13.2	20.9	32.1	32.1		
	6	55	1	8.8	16.7	28.8	27.8		
5.9	9	55	2	17.9	24.9	38.1	37.9		
	9	55	1	4.8	12.2	24.8	24.6		
6.3	19	55	2	11.4	15.8	30.9	29.4		
	19	55	1	0.9	5.0	20.9	18.1		
6.6	20	55	2	18.4	22.1	36.7	36.0		
	20	55	1	1.9	6.8	21.0	19.8		
6.1	24	55	2	15.8	21.0	36.6	35.9		
	24	55	1	3.9	9.1	24.7	23.0		
Virginis (718 B)		5.9	h 14	m 39	s 0	° −0	′ 54		
1878									
June	4	m o	5,7	11,7	318	273		VAR	
	4								
6.5	5	20	0	42.9	50.9	8.5	0.8		
	5	15	4	40.3	47.7	3.2	58.3		
6.5	6	20	0	46.9	56.1	12.2	6.9		
	6	15	4	35.6	43.3	58.0	54.4		
6.7	9	20	0	44.1	51.9	9.9	4.1	False stroke before	
	9	15	4	32.0	40.2	56.2	53.0	last S.	
6.2	19	20	0	42.9	48.4	8.2	1.0		
	19	15	4	29.1	35.1	53.0	46.8		
6.7	20	20	0	51.1	55.1	15.9	9.1		
	20	15	4	37.4	42.8	0.0	45.7		

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1878phae.proj.1398R

Bootis (296 B) 5.5 $14^h\ 44^m\ 54^s$ $+24^\circ\ 25'$

			E	F	G	H	
1878							
June 4	0	1	12.6	14.0	33.3	31.8	Z.P. 2
4							
6.3	6	0 1	26.4	33.0	46.7	45.1	A3 + foll.
	6	0 0	46.3	52.3	5.0	5.2	
6.2	9	0 1	27.8	34.1	48.9	47.0	A2 + foll.
	9	0 0	46.2	52.1	5.5	6.0	
5.8	19	0 2	16.7	19.9	36.4	34.1	Rej. A_{+2} & A_{-2}
	19	0 0	49.8	52.9	9.0	8.2	
6.4	20	0 2	18.4	21.8	37.5	35.9	
	20	0 1	6.1	9.2	24.8	22.7	
6.0	24	0 2	18.9	23.3	40.7	37.9	
	24	0 1	2.2	5.6	22.7	21.2	

Draconis 5.9 $14^h\ 58^m\ 36^s$ $+60^\circ\ 41'$

			E	F	G	H	
1878							
June 4	45	1	35.0	34.8	51.8	50.6	W.A.R.
4							
6.0	6	45 1	40.3	42.1	56.0	55.8	
	6	45 0	37.0	39.3	53.2	52.7	
5.5	9	45 1	45.8	46.8	2.2	0.8	
	9	45 0	40.0	41.3	56.1	56.3	
5.9	19	45 1	37.8	37.2	54.3	51.2	
	19	45 0	36.3	35.7	52.9	50.2	
6.9	20	45 1	45.9	44.5	1.4	59.4	
	20	45 0	50.4	49.2	5.3	4.1	
	24	45 1	40.2	40.2	58.1	55.6	$A_{+1,1,2,3}$ $A_{2,3,4,5}$
	24	45 0	33.8	33.4	51.1	50.2	A_{-1} 1 2,3 4,5

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1878phae.proj.1398R

		h	m	s	°	′	
M. 2052	5.9	15	14	12	+46	03	

		E	F	G	H	
1878 June	20	2	34.2	36.3	53.9	50.8

	4						
6.7	6	20	3	43.2	47.1	0.9	59.9
	6						
6.4	9	20	3	39.1	42.9	58.0	56.2
	9						
6.9	19	20	3	18.6	19.9	37.4	33.9
	19	20	2	24.8	26.7	44.1	40.3
7.0	20	20	3	37.5	38.1	54.9	52.1
	20	20	2	33.4	34.8	51.1	48.8
6.9	24	20	3	39.2	41.3	59.1	56.8
	24	20	2	32.8	29.7	47.1	43.8

		h	m	s	°	′	
D. m. 2284	5.7	15	20	6	+45	42	

1878 June	4	~~45~~	0	3.7	5.8	23.5	20.1
	4						
6.0	6	45	0	10.9	15.1	29.8	27.3
	6						
6.0	9	45	0	22.4	26.4	42.3	39.9
	9	40	4	13.9	16.7	31.8	31.1
6.4	19	45	0	23.6	25.1	42.8	38.2
	19	40	4	12.1	12.7	29.9	27.8
6.6	20	45	0	19.1	20.1	37.4	34.9
	20	40	4	16.7	17.7	33.0	31.3
6.7	25	45	0	19.9	20.8	39.1	35.8
	25	40	4	14.4	15.1	31.8	29.6

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1878phae.proj.1398R

Coronae (13B) 5.9 h 15 m 22 s 30 +25° 30'

			E	F	G	H	1 2 3 4 5
1878							
June 4	6h	4	36.0	39.1	56.9	53.7	J.F.M.
	4						
6.3	6	55 0	25.1	32.3	47.8	44.5	
	6						
6.3	9	55 0	30.6	37.9	53.1	50.9	
	9	50 4	36.0	41.8	56.4	55.1	
6.4	19	55 0	28.9	33.0	50.9	46.4	
	19	50 4	26.3	30.7	47.2	43.8	
6.5	20	55 0	2.0	5.9	23.0	20.2	Rej. A −2
	20	~~50 4 14.3~~	Rej 2nd δ				
6.4	25	55 0	9.8	13.4	31.1	28.6	
	25	50 4	16.2	23.3	39.7	37.1	

D.M. 2227 5.4 h 15 m 24 s 54 +47° 38'

1878							
June 4	4h	4	10.3	11.5	27.7	27.0	
	4						
6.0	6	50 0	5.0	8.9	23.8	20.9	
	6	45 4	9.0	11.8	24.9	24.9	
6.3	9	45 4	44.8	47.1	2.1	0.9	
	9	45 4	9.7	12.2	26.6	26.3	
6.7	24	50 0	13.2	14.1	32.9	30.0	Rej. A +2
	24	45 4	7.9	8.7	26.0	24.8	
6.4	~~25~~	~~45 4~~	~~38.1~~	~~39.3~~	~~55.6~~	~~53.1~~	
	~~25~~	~~45 4~~	~~6.8~~	~~6.6~~	~~23.8~~	~~21.1~~	
6.7	July 3	50 0	16.1	15.1	36.8	33.3	Rej. A +2
	3	45 4	8.2	8.1	27.8	25.1	

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1878phae.proj.1398R

Draconis (75 B) 5.5 h 15 m 29 s 24 +64° 35′

				E	F	G	H
1878							
June	9	5′0	0′	16.9	16.9	33.4	33.2
6.1	9	45	4	32.2	33.3	47.4	49.1
6.0	24	50	0	30.9	30.1	48.2	48.6
	24	50	0	0.6	59.4	18.4	18.7
6.2	25	50	0	1.3	0.2	18.7	16.8
	25	45	4	36.8	35.3	51.0	52.8
5.6	26	50	0	44.8	43.2	0.4	0.1
	26	45	4	37.2	36.8	51.6	53.8
6.2 July	1	50	0	35.9	33.9	54.1	53.6
	1	45	4	34.1	32.2	50.9	51.9
6.4	3	50	0	31.6	29.0	49.8	49.2
~~6.1~~	3	50	0	3.1	0.9	22.1	20.1

D. M. 1886 5.9 h 15 m 32 s 42 +52° 28′

1878							
June	4	5′5	3	41.2	41.7	58.9	58.7
	4						
7.0	19	55	3	55.5	56.4	13.8	10.2
	19	55	3	18.9	19.7	35.9	34.7
6.1	24	55	4	24.6	25.9	43.9	41.3
	24	55	3	14.9	17.5	33.8	32.2
6.7	25	55	4	25.6	26.1	43.6	40.6
	25	55	3	16.2	18.0	34.0	32.8
6.0	26	55	4	25.9	27.5	44.7	41.5
	26.	55	3	14.6	15.9	31.7	31.1
6.4 July	1	55	4	16.7	16.0	36.6	33.9
	1	55	3	12.8	13.0	32.3	30.8

Lost 4, MR

Lost 1 of pair

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1878phae.proj.1398R

Ursa Minor. 5.9 h 15 m 37 s 24 +69° 40'

				E	F	G	Fk	
1878								
June 4		45	1	57.9	56.8	14.9	14.2	Lost A_{-1} / F.M.
	4							
6.5	20	45	2	5.1	4.8	21.1	20.9	6 strokes for last 8
	20	45	1	14.1	12.2	29.0	29.3	
5.7	24	45	2	9.6	8.4	26.6	26.9	
	24	45	1	43.0	41.3	59.8	0.1	
6.0	25	45	2	2.1	1.0	18.1	17.7	Lost A_2
	25							
6.1	26	45	1	48.1	47.3	3.8	4.6	
	26	45	1	13.3	12.8	29.0	29.8	
5.7 July	7	45	1	38.2	39.1	56.9	57.1	Lost A_{+1}
	7	45	1	10.2	10.2	28.7	28.1	

Bootis 5.9 h 15 m 55 s 42 +50° 15'

1878								
6.0 June	19	10	3	43.1	42.1	59.1	57.1	
	19	10	2	44.0	44.1	0.6	59.2	
7.0	20	10	3	57.4	57.1	14.0	11.1	
	20	10	2	46.9	46.1	3.1	1.8	
6.7	24	10	3	53.9	54.2	11.6	10.2	
	24	10	2	42.3	42.4	59.7	58.6	
~~6.7~~	~~25~~	~~10~~	~~3~~	~~55.1~~	~~55.1~~	~~12.6~~	~~10.7~~	
	25	10	2	44.8	44.8	1.3	0.0	
6.8 July	2	10	3	53.6	53.2	13.0	9.5	Rej. wire among 1st 8
	2	10	2	43.8	43.3	3.8	1.8	
6.6	3	10	3	55.1	53.7	14.2	11.8	
	3	10	2	44.7	43.9	3.9	1.9	

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1878phae.proj.1398R

Ophiuchi (21B) 5.9 $16^h\ 22^m\ 30^s$ $+0^\circ\ 55'$

				E	F	G	H
	1878						
6.3	July 1	30′	0′	22.8″	29.6″	50.4″	45.5″
	1	25	4	11.1	15.8	36.2	32.2
6.1	2	30	0	26.0	32.2	54.0	48.9
	2	~~30~~	~~4~~	~~57.~~			
	3	30	0	3.0	9.1	30.8	25.0
	3						
	7	25	4	28.9	36.1	55.1	28.9
	7						
6.3	10	30	0	0.1	6.4	28.9	22.7
	10	25	4	5.3	10.9	32.3	26.8
5.8	13	30	0	18.6	26.9	47.9	41.6
	13	25	4	5.2	11.3	31.9	26.3

Rej. A_{-2}

$A_{-1} + A_{-2}$

Herculis (Σ 2063) 5.4 $16^h\ 28^m\ 18^s$ $+45^\circ\ 53'$

	1878						
6.4	June 25	35	1	11.1	12.6	29.9	27.1
	25	30	~~4~~	58.1	59.0	15.4	13.2
6.0	July 1	35	1	6.5	7.6	28.1	23.7
	1	30	4	59.0	59.8	20.0	17.4
6.3	2	35	1	9.8	10.8	31.8	27.7
	2	30	4	57.6	57.0	17.7	15.3
6.5	3	35	0	59.2	0.6	22.3	17.2
	3	35	0	9.8	10.8	32.1	28.8
6.8	7	35	0	57.7	59.1	19.1	15.8
	7	30	4	56.8	58.9	16.9	14.3
	8	35	0	57.4	58.5	19.4	14.9
	8	30	4	54.9	54.8	15.5	13.1

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1878phae.proj.1398R

Herculis 5.9 h 16 m 32 s 48 ° 46 ′ 52

	1878			E	F	G	H
6.3	July 3	35	0	58.8	58.9	20.1	15.8
	3	30	4	49.8	49.1	9.6	5.9
5.8	7	35	0	54.4	55.5	15.1	12.2
	7	30	4	32.6	33.9	52.0	50.7
	~~8~~	~~35~~	~~0~~	~~56.2~~	~~57.1~~	~~18.2~~	~~13.0~~
	~~8~~	~~30~~	~~4~~	~~47.0~~	~~47.7~~	~~5.9~~	~~5.0~~
6.3	9	35	0	57.4	58.9	20.1	14.9
	9	30	4	43.2	43.8	4.4	1.0
5.4	10	35	0	50.1	51.1	13.6	8.3
	10	30	4	42.9	43.3	4.0	0.1
6.2	13	35	0	52.1	54.1	15.3	10.2
	13	30	4	39.5	40.5	00	57.3
~~5.8~~	~~15~~	~~35~~	~~0~~	~~35.8~~	~~39.0~~	~~59.9~~	~~53.9~~
6.4	15	30	4	42.1	43.6	2.0	~~58.7~~

Rej. A −2

Rej. wires among 2 ½ δ

July 16

35	0	47.5	49.3	9.8	5.0
30	4	40.3	42.8	1.1	58.9

Herculis (138-B) 5.9 h 16 m 39 s 24 ° +34 ′ 16

	1878						
6.0	July 1	10	1	34.4	37.1	57.1	54.3
	1	10	0	19.9	21.9	43.3	40.3
	2	10	1	30.1	32.1	53.0	50.1
	2						
6.3	3	10	1	31.1	33.1	54.7	51.5
	3						
6.3	7	10	1	35.0	38.2	57.1	55.2
	7	10	0	14.2	17.2	36.2	34.9
	~~8~~	~~10~~	~~1~~	~~19.8~~	~~21.9~~	~~42.4~~	~~39.9~~
	~~8~~	~~10~~	~~0~~	~~19.1~~	~~21.7~~	~~42.6~~	~~40.1~~
5.7	9	10	1	32.2	35.5	56.1	52.1
	9	10	0	25.3	27.8	50.0	47.2
5.8	10	10	1	28.1	31.1	52.3	47.9
	10	10	0	14.2	16.9	39.1	35.1

(Rej A ? +2)

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1878cbae.proj.1398R

Herculis 5.9 16h 41m 24s +43° 26′

1878

				E	F	G	H
				″	″	″	″
6.7	July 2	0′	0′	57.9	59.2	21.2	17.9
	2	55	4	49.0	49.5	9.8	7.8
6.5	3	0	0	59.8	0.2	21.8	17.8
	3	55	4	52.0	52.1	13.1	10.1
6.3	7	0	0	4.0	6.1	25.8	23.9
	7	55	4	37.8	38.3	57.8	56.1
	8	0	0	16.4	18.4	39.6	35.8
	8	55	4	51.8	52.7	12.8	11.3
6.1	9	0	0	18.9	20.3	42.7	38.1
	9	55	4	48.4	49.1	10.8	8.1
6.7	13	0	0	55.0	57.8	18.9	15.1
	13	55	4	50.2	52.2	12.7	8.8
5.9	15	0	0	45.2	47.1	2.9	4.8
	15	55	4	45.2	47.1	7.2	3.7

Rej. wire among the 1st 8 ″ 2

Lost A_{+1}

Lost 1st ″ 2 wires

Herculis (174 B) 5.9 16 49 42 +21 11

1878

5.7	July 2	15	2	50.2	54.1	13.9	10.9
	2	15	1	29.8	33.3	52.2	50.8
6.2	3	15	2	50.0	53.9	13.9	8.5
	3	15	1	39.8	43.7	3.2	59.9
5.8	7	15	2	45.9	51.0	8.2	5.7
	7	15	1	20.8	26.4	43.3	41.4
	8	15	2	45.1	49.2	8.1	6.0
	8	15	1	38.6	43.1	0.7	58.7
5.3	9	15	2	49.6	55.1	13.9	10.1
	9	15	1	35.3	40.2	59.7	56.8
5.3	10	15	2	22.8	27.1	47.2	42.9
	10	15	1	16.7	21.9	41.1	37.9

Rej. $(A_{-2})^2, (A_{+2})^2$

Rej. A_{+2}

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1878phae.proj.1398R

Herculis (191B) 5.6 $16^h\ 55^m\ 54^s$ +22° 49′

	1878			E	F	G	H
				′ ′ ″	″	″	″
6.1	July 2	35	3	14.9	19.1	37.2	35.2
	2	35	2	9.9	13.1	31.6	29.7
6.2	3	35	3	14.1	17.3	35.5	33.6
	3	35	2	12.2	15.4	34.3	31.8
6.0	7	35	3	12.8	17.8	33.5	32.2
	7	35	2	5.7	10.1	27.3	25.2
	8	35	3	21.1	25.8	43.4	40.5
	8	35	2	12.0	16.1	33.3	32.1
5.5	9	35	3	16.1	20.1	35.3	35.9
	9						
6.0	10	35	3	24.9	29.1	48.1	43.9
	10	35	2	16.7	20.8	39.8	36.7

Herculis (251B) 5.9 $16^h\ 59^m\ 18^s$ +19° 46

	1878						
6.3	July 3	40	0	59.9	3.6	26.0	19.1
	3						
6.3	7	40	0	2.9	7.8	27.1	22.6
	7	35	4	54.8	0.2	19.7	15.2
	8	40	0	57.2	1.3	22.7	17.1
	8	35	4	44.0	47.7	7.9	3.1
6.2	10	40	1	2.1	6.6	29.0	21.8
	10						
5.7	13	40	0	59.4	5.1	26.2	19.7
	13	35	4	22.6	28.5	49.0	42.3
6.2	15	40	0	51.9	36.9	18.1	11.1
	15	35	4	37.7	43.1	3.1	56.7

Rej. A_{+2}

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1878phae.proj.1398R

93 Herculis (212 B) 5.9 $17^h\ 1^m\ 12^s$ $+22^\circ\ 15'$

1878

				E	F	G	H	
6.2	July 2	10	1	37.9	41.1	59.9	57.8	Lost 1st wire
	2	10	0	47.8	51.3	10.0	7.8	
5.6	3	10	2	13.8	17.4	35.9	33.6	Rej. A_{+2}
	3	10	0	0.9	5.1	22.6	20.7	
6.1	7	10	1	4.0	8.2	24.9	24.2	Lost A_{+1}
	7	10	0	32.7	37.6	54.3	53.0	
	8	10	1	7.9	11.6	30.1	28.0	$A_{2,3,5}$ & A_{-1}
	8	1						
5.7	9	10	1	30.4	35.6	55.1	51.1	Lost A_{+1}
	9	10	0	41.1	45.3	4.5	2.2	
5.8	10	10	2	10.5	14.6	34.0	29.9	
	10	10	0	57.4	1.6	20.0	17.4	

Herculis (228 B) 5.1 $17^h\ 5^m\ 42^s$ $+40^\circ\ 56'$

1878

5.8	July 2	30	1	40.2	41.2	3.0	59.6	
	2							
5.7	3	30	1	41.4	42.9	4.1	0.1	
	3							
5.5	7	30	1	38.5	41.8	0.5	58.3	Rej. A_{+2}
	7	30	0	57.0	59.6	20.0	17.1	
	8	30	1	35.1	37.1	57.9	54.4	
	8							
5.6	9	30	1	39.0	41.8	3.1	59.3	
	9							
6.7	16	30	1	15.4	18.6	39.2	34.8	
	16							

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1878phae.proj.1398R

Draconis 5.9 $17^h\ 7^m\ 54^s$ $+52^\circ\ 33'$

	1878			ξ	η	ζ	ϰ
6.0	July 2	5	0 4	6.4	6.3	26.8	23.2
	2						
5.8	3	5	0 4	12.2	12.6	32.3	29.2
	3						
6.3	7	5	0 3	50.4	52.0	10.5	8.1
	7	5	0 2	57.3	58.2	17.8	14.2
	8	5	0 4	9.0	9.1	28.7	26.1
	8						
5.9	9	5	0 3	55.1	57.1	17.9	13.2
	9						
5.9	22	5	0 4	3.4	5.9	25.8	21.3
	22						

Ophiuchi 5.4 $17^h\ 10^m\ 30^s$ $+1^\circ\ 21'$

	1878						
6.7	July 7	5	0	33.1	40.7	0.1	55.2
	7	0	4	38.8	45.2	3.3	0.0
5.9	10	5	0	37.1	44.1	5.4	59.8
	10	0	4	33.2	40.1	0.2	54.8
6.2	13	5	0	45.9	53.1	14.9	8.2
	13	0	4	32.1	40.1	59.7	54.1
	15	5	0	34.3	41.9	2.3	55.8
	15	0	4	28.3	36.6	56.2	49.8
6.8	16	5	0	39.9	47.2	7.5	1.9
	16				Ref. 2nd ♃		
6.3	23	5	0	42.7	50.1	10.6	4.9
	23	0	4	35.0	42.8	2.1	57.2

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1878phae.proj.1398R

Herculis (245 B) 5.9 h 17 m 12 s 48 +17° 27′

				E	F	G	H
	1878			′	′	″	″
6.4	July 9	55	4	59.6	5.0	26.2	19.8
	9	55	3	57.0	1.3	23.6	16.7
6.4	10	55	4	29.8	35.9	56.6	49.8
	10	55	3	54.6	59.2	22.0	14.3
5.8	13	55	4	58.1	4.8	24.9	18.1
	13	55	3	45.4	51.4	13.0	5.9
	15	55	4	19.1	25.9	46.2	39.6
	15	55	3	48.7	54.9	14.9	13.2
6.5	16	0	0	0.8	7.3	28.2	21.9
	16	55	3	50.1	56.1	16.0	10.1
6.1	23	0	0	0.2	6.2	27.7	21.7
	23	55	3	52.9	58.5	19.8	14.0

Rej. A +2

Herculis (259 B) 5.9 h 17 m 15 s 18 +25° 39′

	1878						
5.8	July 9	45	2	27.8	32.1	52.8	48.9
	9	45	1	18.8	22.9	43.3	40.5
6.2	10	45	2	25.1	29.4	50.5	45.9
	10	45	1	18.1	21.9	42.3	38.0
6.0	13	45	2	16.6	21.9	41.6	37.2
	13	45	1	10.8	15.2	34.6	31.2
	15	45	2	14.9	19.2	38.2	34.5
	15	45	1	10.9	15.9	33.6	31.3
5.7	16	45	2	13.8	18.9	38.8	34.9
	16	45	1	11.8	16.8	35.2	33.2
	22	45	2	18.8	24.2	44.3	39.2
	22	45	1	0.2	5.8	24.4	21.4

A +A
+1 −1

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1878phae.proj.1398R

Ophiuchi (201B) 5.4 $17^h\ 19^m\ 6^s$ +16° 25'

	1878			E	F	G	H
	July 9	0	2	7.7	12.1	34.1	27.1
	9	0	0	59.7	4.1	27.2	20.9
6.0	10	0	2	11.8	21.8	38.9	32.1
	10	0	0	59.3	3.7	26.3	18.8
6.4	13	0	1	58.6	3.8	25.8	18.7
	13	0	0	56.8	1.3	23.7	16.4
	15	0	1	56.1	1.2	22.2	15.8
	15	0	0	49.9	55.3	17.2	9.8
7.0	16	0	1	26.9	32.6	53.1	47.1
	16	0	0	46.8	52.2	13.7	7.4
5.7	22	0	2	6.9	12.2	33.8	26.6
	22	0	0	54.7	59.8	21.1	15.7

Lost 1st 2 wires

Draconis 5.9 $17^h\ 19^m\ 12^s$ +53° 8'

	1878						
~~5.4~~	~~July 23~~	~~55~~	~~0~~	~~12.6~~	~~14.0~~	~~34.0~~	~~30.4~~
	~~23~~	~~50~~	~~4~~	~~11.7~~	~~12.8~~	~~32.2~~	~~29.1~~
6.0	24	55	0	12.3	12.9	32.6	29.5
	24	50	4	9.0	9.2	28.9	25.7
6.0	31	55	0	12.1	15.1	34.9	31.4
	31	50	4	3.2	6.4	25.8	22.2
6.0	Aug 12	55	0	16.3	17.2	39.3	33.7
	12						
	14	55	4	58.7	58.1	19.1	15.0
	14						
	20	50	40	9.3	9.1	30.8	27.6
	20						

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1878phae.proj.1398R

Ophiuchi (221 B) 5.3 $17^h\ 24^m\ 12^s$ $-0^\circ\ 57'$

	1878			E	F	G	H	
	July 9	20	4	12,2	18,2	41.3	33.7	
	9	20	(2?)	5.7	11.0	32.9	27.2	
6.0	10	20	4	13.8	19.1	41.9	33.6	
	10	20	3	3.4	10.8	31.7	24.3	
6.1	13	20	3	35.3	42.4	3.2	57.0	Lost 1st + 2nd wires
	13	20	2	43.2	49.4	1.8	4.8	
5.6	15	20	4	4.3	11.2	31.6	24.5	Rej. A_{-2}
	15			Rej. 2nd S				
6.6	16	20	4	10.8	17.8	39.0	31.6	
	16	20	3	1.9	8.9	29.6	23.0	
~~5.7~~	~~23~~	~~20~~	~~4~~	~~14.1~~	~~20.6~~	~~42.2~~	~~34.5~~	
	~~23~~	~~20~~	~~3~~	~~8.2~~	~~14.2~~	~~35.2~~	~~28.8~~	

Herculis (295 B) 4.9 $17^h\ 28^m\ 1^s$ $+19^\circ\ 21'$

	1878							
6.0	July 10	5	1	14.1	18.1	41.2	34.1	
	10							
5.9	13	5	1	17.9	24.1	45.2	38.9	
	13							
5.5	15	5	1	20.8	27.1	47.9	40.9	False stroke + rattle after S
	15							
6.6	16	5	1	17.6	23.3	44.1	37.6	
	16							
	22	5	1	20.9	27.2	49.1	41.3	Rej. A_{+2}
	22							
6.0	23	~~5~~	~~1~~	~~16.6~~	~~22.6~~	~~43.8~~	~~36.8~~	
	~~23~~							

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1878phae.proj.1398R

Ophiuchi (238B) 4.9 $17^h\ 28^m\ 18^s$ +16° 26′

	1878			E	F	G	16	
6.2	July 24	0′	1″	41.6	45.7	6.4	1.3	
	24							
	28	0	2	33.2	37.1	59.5	52.5	Rej. A +2
	28							
	31	0	2	28.1	34.9	55.2	48.8	Rej.
	31							
	Aug 12	0	2	23.1	27.7	50.3	43.3	R
	12							
	14	0	2	30.1	33.8	58.4	51.2	R
	14							
	22	0	2	14.4	19.6	42.4	35.1	R

Herculis (299B) 5.9 $17^h\ 30^m\ 54^s$ +68° 13′ Comes too late

	1878							
5.0	July 15	15	0	3.2	3.9	23.0	21.6	
	15	10	4	8.4	8.2	26.2	25.9	
6.2	16	15	0	5.1	5.0	23.9	23.9	
	16				Rej. 2nd S			
S 5.4	22	15	0	11.6	11.8	31.2	31.1	
	22	10	3	58.2	58.8	17.2	16.8	
~~5.5~~	~~23~~	~~10~~	~~4~~	~~59.1~~	~~59.1~~	~~17.6~~	~~17.1~~	
	23							
5.7	24	15	0	6.1	4.3	24.1	23.1	Rej. A +2
	24	10	4	29.4	28.9	47.8	46.2	
5.6	28	15	0	4.0	3.8	23.4	22.2	
	28	10	4	8.0	7.3	26.5	24.9	
	31	15	0	6.9	8.4			Rej.
	31				Rej. July 31			

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Ophiuchi (271 B?)		5.9	17h	37m	54s	+14°	21′		
1878					E	F	G	H	
			′	′	″	″	″	″	
6.1 July	13	5	0		54.2	2.2	23.1	15.8	
	13								
	15	5	0		29.4	36.7	57.6	49.8	
	15								
6.7	16	5	0		49.3	57.0	17.8	9.8	
	16								
	22	5	0		48.9	~~55.7~~	17.8	8.6	
	22								
6.7	23	5	0		52.2	59.6	19.9	12.1	
	23								
6.7	24	5	0		55.0	0.2	21.9	12.9	
	24								
Draconis		5.9	17h	38m	36s	+51°	53′		
1878									
5.7 July	13	30	4		7.4	9.1	28.8	25.1	Lost A_{+1}
	13								
	15	30	4		2.9	5.0	23.8	20.1	Lost one of the 1st 3 wires
	15								
6.8	16	30	4		22.9	25.1	44.1	41.8	Lost 1st 3 wires
	16								
	23	30	4		9.9	11.4	31.0	28.1	A_{+1} 2+c
	23								
	24	30	3		58.7	59.1	18.4	14.9	Lost A_{+1}
	24								
6.0	28	30	4		36.4	36.8	57.1	52.4	
	28								

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1878phae.proj.1398R

Ophiuchi (275B) 5.9 $17^h\ 38^m\ 48^s$ +14° 28′

	1878			E	F	G	H	
	July 31	55	3	51.8	59.9	19.5	11.5	
	31							
	Aug 2	55	2	55.5	53.6	24.8	17.3	2+R
	12							
	Aug 14	55	2	5.4	9.3	31.6	23.8	1-1+1 R
	14							
	Aug 20	55	3	57.1	2.2	24.0	16.2	Rej. A+2 R
	20							
	Aug 22	55	3	55.7	1.9	22.9	14.3	R
	22							
6.5	26	55	3	52.2	58.3	19.0	11.3	R
	25							

D. M. 80° 5.9 $17^h\ 39^m\ 24^s$ +72° 31′

	1878							
5.8	July 13	55	0	51.1	51.3	12.1	9.6	A −1
	13							
	15	55	1	4.6	4.9	24.6	22.8	A 3 c
	15							
	16	55	1	8.9	8.1	28.3	25.4	A 2+Gall
	16							Perhaps +1 lost last stroke for δ
	23	55	0	54.7	54.9	14.9	12.2	A 5 7 9 +A −1
	23							
6.3	24	55	0	59.7	59.2	18.9	15.5	A 2 +c
	24							
	28	55	1	1.8	0.8	22.2	18.8	~~Lost~~ A 2+c
	28							

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1878phae.proj.1398R

Draconis 5.4 $17^h\ 41^m\ 36^s$ $+53^\circ\ 50'$ Her

1878

				E	F	G	H	
				′	′	″	″	″	
5.8	July	13	35	0	52.2	54.0	—	—	Lost 1st 3 wires
		13							
		15	35	0	47.2	49.1	8.2	4.1	Lost 1st 2 wires
		15							
6.2		16	35	0	56.1	57.1	16.9	13.1	
		16							
6.2		23	35	1	5.2	6.5	26.6	22.1	
		23							
6.3		24	35	1	6.6	7.1	27.2	23.0	
		24							
		28	35	0	42.0	42.2	3.6	58.1	Hazy
		28							

Herculis (232B) 5.4 $17^h\ 41^m\ 48^s$ $+17^\circ\ 47'$ Her

1878

~~July~~	~~22~~	~~40~~	~~2~~	~~18.9~~	~~25.3~~	~~46.6~~	~~39.6~~	
	22							
	31	40	2	21.3	30.1	50.1	43.8	
	31	40	1	4.8	12.8	32.8	26.7	
Aug	20	—	—	7.8	12.2	34.1	28.0	
	20							
Aug	27	—	—	22.2	27.3	49.1	40.9	A_{+2} A_{+1} A
	27							
Sept.	14	40	2	3.8	9.1	32.3	21.1	A_{+2} + A_{+1}
	14							

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1878phae.proj.1398R

Herculis (336B) 5.9 $17^h\ 41^m\ 54^s + 38^\circ\ 56'$

1878

Aug 18	30	1	26.2	28.7	51.2	45.3	
6.8 18							
6.8 25	30	1	21.8	25.7	46.5	43.9	R
25							
Sept 1	30	1	22.9	25.2	48.1	43.0	R
10	30	0	49.9	52.9	14.2	8.2	
10	30	0	13.1	16.5	37.1	32.8	

Herculis (337B) 5.9 $17^h\ 42^m\ 0^s + 39^\circ\ 2'$

1878

Aug 12	—	—	45.7	47.4	8.3	4.9	2 nd R
12							
7.0 26	5	0	2.2	4.9	26.4	21.6	~~Rej R~~
26							
Sept. 6	0	4	58.4	58.2	21.5	14.1	Rej, 2nd stroke for δ
6				J.T.m. obs.			Take 1st, 3rd & 4th
12	0	4	65.1	58.0	19.4	13.8	R
12							
15	0	3	45.5	50.1	11.1	3.6	Lost A2
15							

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1878phae.proj.1398R

Herculis 5.5 $17^h\ 43^m\ 18^s$ $+20^\circ\ 36'$

				ε	ζ	η	ϑ	
1878								
	July 13	50	0	8".1	15".2	34".7	29".5	
	13							
	15	50	0	28.5	34.9	54.9	49.7	
	15	45	4	21.9	27.8	47.2	41.8	
5.8	23	50	0	32.6	38.3	58.1	52.8	
	23							
	Aug 12	45	4	24.9	29.7	50.1	44.4	A_{-1} A_{-2} ARR
	12							
	Aug 20	50	0	16.2	21.6	43.3	37.5	
	" 20							
6.3	" 25	45	4	38.9	45.3	3.7	0.8	Lost 1st 2 wires R
	25							

Herculis 349 B 5.9 $17^h\ 45^m\ 42^s$ $+29^\circ\ 22'$

1878								
6.0	July 13	5	0	3.5	8.5	27.6	23.0	Lost A_{+1}
	13	0	4	30.8	35.1	52.9	50.5	Confusion of wires in A_{-1}
5.6	15	5	0	32.8	37.1	55.5	51.8	
	15							
6.7	16	5	0	45.1	49.2	6.9	4.1	
	16							
5.5	23	5	0	49.3	53.0	11.9	8.2	
	23							
5.5	24	5	0	54.0	57.0	16.1	11.9	
	24							
	28	5	0	48.2	51.2	11.2	5.8	Rej. A
	28							Rej. A^{+2}_{-1}

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1878phae.proj.1398R

Ophiuchi (297B) 5.9 $17^h\ 46^m\ 30^s$ $+1^\circ\ 21'$

1878			E.	F	G	H	
July 15	5'	0'	29.6	37.9	5'9.7	5'1.1	Ind wire + fold
15							
28	5	0	22.8	22.9	51.6	42.8	Lost A +1
28							
31	5	1	9.9	18.6	38.2	30.9	Add 1" second to 1st & δ
31	0	4	57.2	6.4	25.2	19.8	
Aug 18	5	1	15.9	22.2	44.8	37.2	R
18							
27	—	—	19.9	25.6	47.2	40.0	R
27							
Sept. 10	5	1	19.9	25.9	48.2	39.7	
10							

Ophiuchi 5.7 $17^h\ 47^m\ 24^s$ $+6^\circ\ 7'$

1878							
6.1 July 23	15	4	7.2	15.1	34.1	27.9	
23							
28	15	3	7.7	14.4	34.9	27.4	Lost A +1
28							
Aug 12	15	2	1.8	7.7	27.8	23.0	2 A R.
12							
6.0 27	15	3	42.1	48.7	8.9	2.8	R
27							
Sept. 10	15	3	43.3	50.1	10.5	3.1	
10	15	2	40.1	46.9	6.7	1.7	
12	15	3	41.1	48.5	8.9	0.6	
12	15	2	43.2	50.5	11.7	5.0	

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1878nae.proj.1398R

Herculis 4.9 h 17 m 50 s 48 +22° 28'

1878

				E	F1	G	H6	
				'	'	"	"	"	
5.7	July	15	55	3	3.6	9.7	27.2	23.2	
		15	55	1	43.9	50.3	7.0	3.8	
		16	55	3	2.2	7.9	23.9	21.9	
		16	55	1	47.0	53.0	10.0	7.5	
5.4		23	55	3	0.2	6.3	23.3	20.1	
		23	55	1	53.0	57.5	15.8	12.7	
		28	55	1	47.6	51.8	10.5	6.9	A3 + foll.
		28							
	Aug	18	55	3	1.8	6.2	25.9	20.6	B
		18							
		22	55	2	40.3	45.3	3.2	0.1	
		22							

Herculis 5.9 h 17 m 54 s 30 +36° 1'

1878

5.7	Aug.	14	55	4	7.9	9.1	30.3	27.9	
		14							
	Aug	20	55	4	5.8	8.1	29.0	25.9	R
		20							
		26	5	4	12.8	15.0	35.7	32.3	R
		26							
6.7		27	5	4	4.1	6.8	27.2	24.0	R
		27							
	Sept	1	5	4	0.9	6.1	29.3	25.4	R
		1							
		10	5	4	6.7	9.1	29.9	25.1	
		10	5	3	6.7	9.2	30.1	25.9	

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1878phae.proj.1398R

Herculis (387-B) 5.4 h 17 m 56 s 12 +33° 13'

	1878			ξ	Fi	G	K	
6.1	July 23	10	3	36.2	39.2	0.1	55.4	
	23							
	Aug 18	10	3	49.2	51.1	14.2	8.2	
	18							
	aug 22	10	2	47.8	49.8	11.9	7.2	Only A
	22							
	25							
6.7	25	10.	3	54.2	58.2	18.7	14.7	R
	25							
	aug 27	10	3	13.2	15.9	37.8	32.8	R lost 1st nine ?
	27							
	29	—	—	56.3	55.2	18.7	13.0	

D. M. 3009 5.9 h 17 m 57 s 12 +33° 20'

	1878							
6.3	July 23	5	3	13.4	17.1	37.8	32.4	
	23							
	28	5	2	34.4	36.4	59.2	51.8	A4xC
	28							
	Aug 12	5	2	25.2	27.4	50.1	44.2	2xA2
	12							
.66	26	5	3	22.3	24.8	46.7	40.7	R
	26							
	29	5	2	32.7	34.8	56.1	51.4	lost A-1
	29							
	Sept 1	5	2	38.2	~~68~~ 36.2	~~18~~ 2.3	57.2	R

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1878phae.proj.1398R

Herculis 404 B 5.9 $18^h\ 1^m\ 24^s$ $+32^\circ\ 14'$

				E	F	G	H	
1878								
July	23	10	8	38.9	41.8	2.6	58.9	
	23							
6.2	24	10	3	56.2	57.9	19.1	13.9	
	24							
	28	10	3	40.9	43.4	4.8	59.5	
	28	10	2	45.3	46.8	8.2	5.1	
	12	10	3	38.9	40.4	3.2	58.2	
5.7	Aug 14	~~52.2~~	~~5 3.4~~	~~15.4~~	~~10.9~~		10.9	
5.7	Aug 14.			52.2	53.4	15.4		
	18	10	3	52.0	53.6	17.7	10.8	R.
	18							

Herculis 5.7 $18^h\ 3^m\ 54^s$ $+36^\circ\ 23'$

1878								
July	23	0	2	59.6	2.6	22.9	19.0	A_{+1} 2+c
	23							
5.7	24	0	3	15.5	17.8	38.1	34.4	
	24							
Aug	12	0	3	41.4	43.2	4.3	1.4	
	12							
	22	0	3	2.8	5.4	26.2	23.3	
	22							
6.0	25	0	3	29.7	34.1	53.9	50.7	R
	25							
5.8	26	0	2	59.7	1.8	22.5	19.6	R lost 1st rev
	26							

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1878phae.proj.1398R

D.M. 3620 5.9 $18^h\ 4^m\ 42^s$ $+3^\circ\ 18'$

1878

July	26.	5	3	29.9	37.1	55.9	49.5	Rej. A_{+2}
	28							
Aug	~~29~~	5	3	15.9	22.3	42.5	37.2	
	29							
Sept	7	5	3	24.5	34.9	52.9	46.2	
	7							
	8	5	3	5.1	42.9	2.0	54.6	
	8							
5.7	12	5	3	29.2	36.7	56.9	49.2	
	12	5	2	14.6	21.8	43.1	35.2	
6.0	16	5	3	25.6	33.7	52.2	44.7	
	16	5	2	10.2	17.8	36.9	29.1	

Herculis (417 B) 5.9 $18^h\ 4^m\ 48^s$ $+16^\circ\ 27'$

1878

Aug	20	5	4	21.2	25.7	48.2	41.6	R
	20							
6.6	27	5	4	18.8	23.1	46.3	37.9	R
	27							
Sept	1	5	4	35.3	38.2	3.0	54.3	R
	1							
	10	5	4	23.4	27.9	50.8	41.1	
	10							
6.5	14	5	4	33.7	38.1	1.8	49.8	
	14	5	3	25.4	29.8	54.1	42.2	
6.7	15	5	4	33.8	40.1	1.9	51.1	
	15	5	3	20.1	26.8	49.3	38.2	

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Herculis (425B) 5.9 $18^h\ 5^m\ 48^s$ $+36^\circ\ 26'$

	1878			E	F	G	H	
5.9	July 23	0	0	28.3	31.8	52.8	48.9	A_{+1} ? tc.
	23	55	4	30.8	33.9	54.2	51.4	
5.7	24	0	0	0.0	~~21.8~~	22.8	19.2	
	24	55	4	19.6	21.2	41.1	38.2	
	Aug 22	0	0	3.8	7.0	26.4	25.9	R
	22							
6.2	25	55	4	53.8	57.9	17.2	14.4	R
	25							
	26	0	0	18.3	20.6	42.7	37.8	R
	26							
	Sept 10	0	0	7.1	9.7	32.1	25.7	
	10	55	4	25.2	27.7	48.9	44.8	

Ophiuchi 5.9 $18^h\ 17^m\ 0^s$ $+11^\circ\ 59'$

	1878							
5.7	July 28	25	3	38.6	42.6	4.6	56.4	
	28							
	Aug 18	25	3	9.4	14.3	36.3	29.5	R.
	18							
6.4	25	25	3	14.8	22.3	41.9	35.5	R
	25							
	~~26~~	~~25~~	~~2~~	~~37.0~~	~~41.8~~	~~3.2~~	~~56.2~~	~~Lost 1st wire~~
	~~26~~							
7.0	27	25	3	7.7	11.8	33.6	27.2	
	Sept. 10	25	2	29.8	35.6	57.9	49.2	Lost 1st 2 wires
	10							Rej. wire among S

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Ophiuchi 5.5 $18^h\ 19^m\ 54^s\ +7^\circ\ 58'$

1878			E	F	G	H	
July 28	25	3	41.9	47.1	7.9	59.8	
28	25	2	37.3	42.9	2.9	5.8	
Aug 18	25	3	44.8	49.7	11.4	2.9	R
18							
6.3 25	25	3	40.0	47.2	6.0	59.2	R
25							
Sept 1	25	8	47.9	52.2	14.7	7.7	R
1							
5.7 10	25	3	46.1	52.1	13.5	3.9	
10	25	2	30.7	37.2	58.0	49.8	
63 12	25	3	38.8	44.8	6.5	57.8	
12	25	2	34.9	40.8	1.9	54.8	

Hercules (462B) 5.4 $18^h\ 25^m\ 42^s\ +16^\circ\ 51'$

1878							
July 28	35	1	9.9	14.2	37.1	29.1	
28	30	4	59.0	3.2	24.2	17.8	
Aug 12	25	1	11.8	15.9	39.4	31.7	WAR
12							
13	35	1	0.3	4.2	27.7	20.4	WAR
Aug 14	25	1	3.0	7.0	29.8	22.8	
14							
18	35	1	5.2	10.0	32.3	24.6	R
18							
20	35	1	3.1	7.4	30.9	23.0	
20							

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1878phae.proj.1398R

Lyrae (28B) -5.4 $18^h\ 28^m\ 18^s$ $+30°\ 28'$

1878			ε	Z	G	16	
July 28	55′	4′	1.6″	4.9″	24.0″	19.6″	
28							
Aug 12	55	4	12.2	15.8	34.3	30.9	WAR
12							
13	55	4	4.7	7.6	27.2	24.2	R
Aug 14	55	4	4.9	8.2	26.9	24.4	R
14							
~~6.5~~ ~~18~~	~~55~~	~~4~~	~~8.9~~	~~11.9~~	~~31.2~~	~~27.2~~	~~R~~
~~18~~							
Aug 20	55	4	11.3	15.2	33.9	31.2	R
20							

Ophiuchi 5.3 $18^h\ 30^m\ 42^s$ $+9°\ 2'$

1878							
5.6 July 28	25	0	8.9	14.9	35.4	26.3	~~32.9~~
28							
Aug 12	25	0	—	2.3	23.9	16.6	WAR
13	~~20~~ 24	4		56.3	1.1	22.9	16.0 WAR
Aug 14	25	0		0.0	4.8	26.3	19.7 R
14							
6.3 ~~8~~							
~~8~~							
Aug 20	25	0		12.2	12.8	34.5	27.2 A+2
20							
Left 1	25	0		7.0	7.3	30.0	22.3
1							

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1878phae.proj.1398R

Ophiuchi 5.5 $18^h\ 30^m\ 48^s$ $+6^\circ\ 34'$

1878	5.4			ε	ζ1	G	κ	
~~Aug 20~~	~~50~~	~~1~~	~~55.7~~	~~3.0~~	~~22.6~~	~~15.0~~		R
~~20~~								
6.1	25	50	1	54.7	3.3	22.5	15.2	R
	25							
5.7	26	50	1	—	46.2	6.9	0.7	R
	26							
6.1	27	50	1	—	7.8	28.2	21.0	
	27							
	29	(50	2)?	0.2	5.2	26.9	18.7	R
	29							
Sept.	17	50	1	56.1	3.1	23.5	16.1	
	17	50	1	4.5	12.3	32.3	24.2	

Serpentis (196B) 5.4 $18^h\ 31^m\ 24^s$ $-0^\circ\ 25'$

1878								
~~Aug 28~~	~~45~~	~~4~~	~~57.7~~	~~8.2~~	~~20.2~~	~~19.0~~	~~Rej 15~~	
Sept 1	—	—		7.3				
Sept. 12	50	0	56.2	2.9	27.3	16.1		
6.4 12	45	4	51.1	57.3	20.8	10.4		
6.5 14	50	0	58.2	4.7	29.7	16.9		
14								
6.7 15	50	1	1.1	9.7	31.6	20.2		
15	45	4	49.7	57.4	18.8	8.2		
6.2 16	50	1	9.6	16.4	38.2	26.9		
16	45	4	53.0	59.7	20.7	12.9		
6.4 18	50	1	10.8	17.2	40.9	30.0		
18	45	4	37.3	42.7	6.6	57.1		
6.2 19	50	1	2.7	8.9	32.3	20.9		
19	45	4	49.0	55.0	18.0	7.9		

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1878mae.proj.1398R

Lyrae (38 B) 5.5 ^{h} 18 ^{m} 32 ^{s} 12 +33° 22′

				ξ	η	ζ	ϑ		
1878									
Aug	22	0	4	13.8	16.3	38.0	32.8	R	Lost 1st wire
	22								
Aug	27	0	4	47.5	49.8	11.1	6.4	R	
	27								
Sept	2	0	4	45.1	46.1	10.4	3.9		
	2	0	4	45.3	46.				
	10	5	0	0.5	4.1	26.8	18.6		
	10	0	4	52.1	54.9	17.8	9.9		
6.1	14	0	4	24.8	27.9	51.9	40.9		
	14	0	3	37.2	39.7	2.7	54.5		
	22	0	4	58.5	2.1	23.5	15.9		
	22								

Lyrae (53 B) 5.4 ^{h} 18 ^{m} 39 ^{s} 24 +31° 49′

				ξ	η	ζ	ϑ		
1878									
Aug	12	35	3	35.7	37.4	59.7	54.6		WWR.
	12								
	13	35	3	28.1	31.1	53.0	48.2	R	
6.2	18	35	3	24.2	26.8	49.2	43.2	R	
	18								
Aug	22	35	3	27.7	31.3	51.9	47.1	R	
	22								
Sept	1	35	2	26.0	28.2	52.3	46.8	R	Lost 1st
	10	35	2	56.1	59.8	20.8	13.9		Rej. 27.4 8
	10								

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1878phae.proj.1398R

Lyrae (63 B) 4.7 $18^h\ 41^m\ 12^s$ $+26^\circ\ 32'$

	1878			E	F	G	H	
5.6	Aug 18	50	4	52.9	56.1	17.0	11.3	R
	18							
	Aug 20	50	4	48.9	52.2	12.3	8.4	R
	20							
	Aug 22	50	4	53.3	57.2	16.8	11.9	R
	22							
~~5.6~~	29	50	4	30.2	33.8	54.2	50.2	R
	29							
5.6	Sept. 10	50	4	47.6	51.1	11.6	5.3	
	10							
5.7	14	50	4	52.6	56.0	17.8	9.2	
	14	50	3	37.5	40.5	3.0	54.1	

161 Draconis 5.9 $18^h\ 42^m\ 30^s$ $+54^\circ\ 46'$ One reading

	1878							
	Aug 12	40	0	18.4	18.4	40.2	35.4	R
	12							
	13	40	1	17.9	18.3	38.4	35.2	R
6.7	13							
	29	40	0	35.2	45.5	55.9	51.8	R lost 1st two ½
	29							
5.9	Sept. 2	40	1	18.5	17.1	41.4	35.0	
	2	40	0	27.6	27.7	50.9	44.7	
6.0	10	40	0	55.4	56.1	17.2	11.1	Perhaps lost the 4th ½ stroke for δ?
	10							
6.3	15	40	1	9.9	13.1	32.3	24.9	
	15	40	0	15.4	18.4	38.1	25.0	

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1878mae.proj.1398R

Lyrae (67 B) 5.9 ^{h}18 ^{m}43 ^{s}30 +31° 38′

	1878			E	A	G	H	
63	Aug 18	45′	4′	38.0″	38.2	58.0	53.9	R
	18							
	Aug 20	45	4	43.2	46.2	5.6	3.9	R
	20							
	aug 22	45	4	40.2	45.2	4.8	1.0	R
	22							
	Sept. 10	45	3	57.5	1.2	22.9	16.6	A +1 4,5 + A.
	10							
	14	45	4	4.8	7.3	30.0	20.7	
	14							
5.1	16	45	4	44.2	48.8	7.4	1.8	
	16	45	3	29.8	34.7	54.1	49.0	

Lyrae 5.9 ^{h}18 ^{m}44 ^{s}18 +24° 54′

	1878							
	Sept 1	30	2	26.1	29.3	51.0	46.8	R
	1							
	2	30	1	17.2	19.9	43.3	36.9	A −1
	2	30	0	53.1	55.2	19.0	13.7	
	~~6~~	~~30~~	~~2~~	~~6.9~~	~~9.4~~	~~29.6~~	~~23.3~~	
	6							
	8	30	2	20.2	25.3	45.1	39.4	
	8							
	14	30	1	29.6	34.1	56.4	47.4	
	14							
6.8	15	30	2	2.8	9.4	27.9	20.4	
	15	30	1	11.8	17.2	36.4	30.0	
	17	30	2	24.8	29.4	49.7	43.9	Rej. A +2
	17	30	1	44.7	48.9	10.4	3.7	

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1878phae.proj.1398R

Aquilae (10B) 5.7 h 18 m 46 s 30 +13° 50'

			E	F	G	H	
1878 Aug 12	35	1	38.8	44.2	6.8	58.2	W R
12							
13	35	2	16.2	21.7	44.3	35.8	R
13							
6.6 29	35	2	23.4	28.8	51.0	42.7	R
29							
Sept 1	35	1	18.8	23.9	47.7	38.7	R Lost - 1
5.8 10	35	2	25.9	33.4	54.9	44.7	
10	35	1	14.9	21.2	44.0	34.6	
6.0 14	35	2	19.0	24.8	49.1	35.6	
14	35	1	10.3	16.2	39.9	27.8	

Herculis (493B) 5.7 h 18 m 50 s 48 +17° 58'

1878 Aug 12	25	4	32.3	37.7	59.0	53.2	W R
12							
13	25	4	26.2	41.3	1.5	54.3	R
13							
Aug 22	25	4	31.8	38.2	57.3	51.6	O.K R
22							
6.0 25	25	4	31.7	39.1	58.7	57.8	R
25							
~~27~~	~~25~~	~~4~~	~~35.9~~	~~41.9~~	~~1.4~~	~~55.3~~	R
5.3 Sept 10	25	4	35.1	41.1	1.1	54.3	
10	25	3	17.7	23.9	45.2	37.2	

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1878phae.proj.1398R

Aquilae (18B) 5.5 $18^h\ 52^m\ 54^s$ $+17^\circ\ 12'$

				E	F	G	H	
1878								
Aug	20	10	4	53".4	58".7	19".9	13".7	
	20							
Aug	22	10	4	51.9	57.3	18.1	11.0	R
	22							
6.4	25	10	4	55.2	1.7	21.4	14.3	R
	25							
6.5	29	10	4	58.7	3.7	24.4	17.7	Rej A_{+2}
	29							
5.8 Sept	10	10	4	40.9	46.1	7.5	58.9	Rej. $2\frac{2}{11}\ d$
	10							
5.9	16	10	4	50.7	56.1	18.4	8.2	
	16	10	3	33.0	38.3	59.0	51.1	

Herculis 5.5 $18^h\ 53^m\ 30^s$ $+19^\circ\ 38'$

1878								
Aug	12	45	3	58.4	2.7	23.1	17.4	R R
	12							
	13	45	3	57.6	58.9	19.3	14.8	R
	13							
~~Aug~~	~~26~~	~~45~~	~~2~~	~~57.0~~	~~2.1~~	~~22.8~~	~~17.8~~	~~R A 45 +~~ A -1
	~~26~~							
Sept	1	45	3	59.8	3.8	25.7	18.8	R
	1							
6.6	14	45	3	55.2	1.3	22.9	12.5	
	14	45	2	45.3	50.3	12.2	2.1	
6.7	15	45	4	1.7	8.4	28.9	19.8	
	15	45	2	49.9	56.7	17.2	8.1	
	17	45	4	2.0	7.3	26.4	19.7	
	17	45	2	45.4	51.2	11.8	5.3	

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1878phae.proj.1398R

Lyrae (102 B) 5.5 $18^h\ 54^m\ 54^s$ $+26^\circ\ 4'$

				E	F	G	H	
	1878							
5.8	Aug 14	2'0	3	3".1	6".0	26".0	22".3	
	14							~~A_{+1} & A~~
	20	20	2	8.5	13.2	32.2	27.8	A_{+1} & A
	20							
	Aug 22	20	2	4.3	9.0	27.9	24.2	
	22							
6.5	25	20	3	15.3	20.7	38.3	35.2	R
	25							
	27	20	2	46.6	49.7	9.1	5.8	R
	27							
	29	20	2	57.4	1.4	20.5	15.8	R
	29							

Draconis 5.4 $18^h\ 56^m\ 0^s$ $+65^\circ\ 1'$ One reading

	1878							
	Aug 12	20	1	1.7	5.4	21.3	19.3	Lost A_{+1} 2 and 2
	12							
	~~13~~							
	26	202		28.6	26.3	47.0	44.8	lost 1st & two mins
5.9	26							
5.9	Sept. 9	20	0	50.6	51.1	10.8	7.8	Md wire & fold.
	9	20	0	33.0	33.2	53.3	50.5	
6.3	15	20	1	34.1	35.2	55.1	50.6	Lost A_{+1} 2 rej A 8
	15							
6.3	16	20	1	29.1	29.2	49.1	44.2	
	16							
	17	20	1	27.3	28.0	49.1	44.4	
	17	20	1	2.8	2.2	22.2	18.5	

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1878nae.proj.1398R

2	Mo. 4022	5.9	18^h	56^m	12^s	$+20^\circ$	$40'$		A
	1878				E	F	G	H	
	Sept 1		45	2	10.7	15.8	36.0	32.0	
	1								
6.7	2		45	2	13.4	16.3	40.1	33.1	
	2								
6.7	10		45	2	4.3	10.2	30.1	23.4	
	10								
	12		45	2	13.2	19.1	40.8	32.1	Rej. F. Inc. slo
	12								
6.7	14		45	1	22.9	28.2	50.0	39.0	Lost 1st wire
	14								
	18		45	2	8.5	13.0	33.7	26.6	
	18		45	1	34.0	38.9	59.1	52.6	
	Draconis	4.7	18^h	57^m	12^s	$+50^\circ$	$22'$		D
	1878								
	~~Aug 13~~		~~45~~	~~1~~	~~0.3~~	~~55.0~~	~~25.7~~	~~21.2~~	~~R Lost 1st wire Rej long stroke~~
	~~D~~								
	~~Aug 27~~		~~0~~	~~4~~	~~59.0~~	~~59.1~~	~~18.7~~	~~15.2~~	~~Lost 1st wire R~~
5.7	~~27~~								
	29		5	0	15.7	16.1	36.8	33.2	R A
	29								
5.7	Sept. 14		0	4	47.9	48.2	10.2	1.6	Rej. 2F. d. Lost 1st wire
	14								
5.7	19		5	0	35.2	35.5	56.8	49.9	
	19		0	4	27.7	28.2	49.0	42.3	
	22		5	0	36.1	38.2	58.5	51.5	
	22		0	4	22.1	24.3	43.0	37.8	
6.0	28		5	0	32.2	34.2	53.3	47.5	
	28		0	4	20.9	22.1	39.6	37.5	

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1878phae.proj.1398R

Aquilae (30B) 5.9 $18^h\ 57^m\ 30^s$ $+1^\circ\ 38'$

	1878			ξ	η	ζ	θ	
6.8	Aug 25	45	2	29.8	38.3	56.7	52.8	R
	" 25							
	26	45	1	55.9	2.1	23.0	17.3	R lost A+1
	26							
6.0	Sept. 10	45	2	39.2	46.7	7.1	59.8	
	10	45	1	35.1	42.6	2.2	56.7	
	17	45	2	35.4	41.9	1.9	55.1	
	17	45	1	30.3	36.2	57.8	51.3	
6.7	18	45	2	29.0	35.4	56.1	49.4	Perhaps hit the telescope after the 2nd &
	18	45	1	15.1	20.8	42.1	36.0	
6.4	23	45	2	40.8	48.1	7.2	0.1	Lost A+1
	23	45	1	32.8	40.3	59.8	53.8	

D. M. 3888 5.9 $18^h\ 57^m\ 42^s$ $+19^\circ\ 29'$

	1878							
	Aug 14	55	2	9.1	13.5	34.8	28.2	lost 1st wire R
	14							
	Aug 22	55	2	9.7	14.8	35.0	28.8	R
	22							
5.8	Sept. 2	55	2	50.5	53.8	17.9	10.2	
	2	55	1	32.6	36.8	59.7	51.7	
	12	55	2	26.9	32.9	55.2	46.1	Lost 3rd strike for δ
	12							Observed by Jones only
6.5	15	55	2	42.3	49.2	10.2	0.7	
	15	55	1	32.2	39.2	59.9	50.8	
6.2	16	55	2	41.2	42.2	8.1	59.3	
	16	55	1	33.3	39.3	0.0	51.2	

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1878phae.proj.1398R

Comes 1m too late

Aquilae (47B) 5.4 19h 2m 36s +16° 4′

				E	F	G	H	
1878								
Aug	14			~~28.5~~	~~55.1~~	~~33.2~~	~~55.1~~	
	14	—	—	28.2	33.3	55.1	48.0	R
	20	45	1	21.9	26.8	49.2	41.7	R
	20							
Aug	22	45	1	16.8	23.0	45.0	36.7	R
	22							
6.0 Sept.	14	45	1	17.2	22.2	46.8	33.8	Eq
	14	45	0	6.7	11.6	36.1	24.2	
6.1	15	45	1	14.6	21.6	437	32.5	
	15	45	0	10.7	17.4	38.7	29.5	
5.9	16	45	1	21.0	27.4	48.8	37.9	Rej. A +2
	16	45	0	9.7	15.9	36.3	28.3	

D. M. 57 2 5.9 19h 6m 36s +82° 1′

1878								
Aug	13	15	1	1.7	2.2	19.7	~~20.6~~	R
	13							
~~6.5~~	18	15	1	31.6	32.7	49.4	49.3	W.R. A_{+1+4}
	18							
	20	15	0	59.4	0.7	17.7	17.2	lost A_{+1} 1234 R
	20							
Aug	22	15	1	2.3	3.8	20.2	20.8	lost A_{+1} 1234 R
	22							
7.2	25	15	0	57.2	59.8	15.2	16.3	R Lost 1st 3 arms
	25							
6.9	26	15	1	0.4	1.4	17.4	17.7	R lost 1st m
	26							

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1878phae.proj.1398R

Lyrae (145B) 5.5 ^{h}19 ^{m}10 ^{s}48 +30° 19′

				ξ	A	g	h		
1878									
Aug	14	5′	3′	16.1″	20.0″	39.1″	35.0″	R	
	14								
	18	5	2	25.4	29.3	48.8	43.4		
	18								
Aug.	20	5	2	21.3	26.2	45.1	40.7	lost A+1	
	~~20~~							R,	
	~~22~~ 22	5	2	52.9	57.2	16.3	—	R	
	1	5	3	9.0	11.8	32.9	28.2	R	
	1								
6.3	14	5	3	5.9	9.7	30.6	21.9		
	14	5	1	55.1	58.5	20.2	12.0		

Aquilae (71B) 5.7 ^{h}19 ^{m}11 ^{s}54 +14° 20′ Comes too soon

1878									
Aug	~~25~~ 25	5	1	1.2	8.3	28.4	21.0	R	A & A$_1$
6.0	26	5	1	56.8	3.1	24.1	16.4	R	
	26								
Aug	27	5	1	54.4	0.9	21.4	13.6	R	
	27								
6.3	29	5	1	51.7	57.4	18.9	10.8	R	
	29								
6.0	Sept. 9	5	1	48.9	55.6	17.1	7.2		
	9	5	0	43.7	50.8	12.0	3.7		
6.2	16	5	1	50.1	57.1	17.7	7.2		
	16	5	0	40.2	47.2	6.9	57.9		

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1878cfae.proj.1398R

Aquilae (88 B) 4.9 $19^h\ 16^m\ 12^s$ $+0^\circ\ 30'$

	1878				ξ	η	ζ	η_0	
	Aug	22	50	4	55.2	1.8	23.7	14.9	E4
		22							
		25	50	4	56.8	4.7	24.0	17.2	R
		25							
6.2		26	50	4	29.6	34.8	56.2	48.8	lost (et mic
		26							
6.8		27	50	4	34.9	41.2	2.4	54.7	lost A_{+1} R
		27							
		29	50	4	27.1	33.6	55.2	47.2	R
		29							
6.2	Sept.	9	50	4	5.7	12.6	33.4	25.9	Lost A_{+1}
		9	50	3	42.4	48.2	9.8	2.3	1 stroke for 2 2d δ

Aquilae (106 B) 5.9 $19^h\ 20^m\ 48^s$ $+12^\circ\ 48'$

	1878								
	Aug	14	35	4	40.8	45.3	7.0	59.8	R
		14							
	~~Aug~~	~~17~~							
5.8		18	35	4	49.2	54.2	16.7	7.5	R
		18							
	Aug	20	40	0	1.7	7.8	28.7	22.1	
		20							
		22	35	4	55.1	1.3	21.8	13.3	R
		22							
6.7		25	35	4	53.0	0.4	20.8	12.4	R
		25							
		26	35	4	58.2	3.5	24.8	16.7	My A_{-2} R
		26							

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1878phae.proj.1398R

Aquilae 5.9 $19^h\ 22^m\ 8^s$ +14° 2′

			E	F	G	H	
	1878						
6.7	Aug 18	20	3	—	45.1	6.3	57.6	R Lost A+1
	18						
	Aug 20	20	3	46.8	52.9	13.4	5.7	R lost A+1
	20						
	22	20	3	38.1	44.1	3.7	55.8	R
	22						
	26	20	3	52.2	57.8	19.0	10.2	lost 1 star R
	26						
7.0	27	20	4	15.9	21.9	43.0	34.9	R
	27						
6.8	29	20	4	29.0	34.9	55.8	46.8	
	29						

Aquilae (115B) 5.9 $19^h\ 23^m\ 54^s$ +14° 2′

Aug	14	5	0	58.1	4.0	25.1	16.7	R
	14						
Aug	17							R
	17						
6.2	18	5	0	11.9	18.0	39.6	30.8	R
	18						
	22	5	0	53.2	59.7	20.8	13.2	R
	22						
6.4 Aug	25	5	0	54.9	2.8	23.1	14.3	R
	25						
6.6	27	5	0	59.0	4.7	26.1	18.4	R
	27						
	29	5	0	50.2	56.2	18.2	9.3	R Ry A_{-2}
	29						

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1878phae.proj.1398R

1878	Aquilae	5.9	h 19	m 30	s 0	+15° 21′			
					E	F	G	H	
	Aug	14	—	—	—	12.0	34.7	26.2	R
		14							
	Aug	~~20~~	~~5~~	~~0~~	~~36.6~~	~~42.2~~	~~3.4~~	~~57.5~~	~~R~~ O.K.
7.0		25	5	1	6.6	13.3	34.2	26.2	R
		25							
		26	5	0	26.2	31.3	53.1	44.8	R
		26							
7.3		27	5	0	54.7	59.3	21.2	14.1	R lost A_{+2} 1
		27							
		29	5	0	33.9	39.7	1.9	53.2	R
		29							

A_{+2} A_{+} A^2

Cephei	5.9	h 19	m 30	s 12	+83° 14′			
1878								
Aug	22	10	4	2.1	3.7	20.6	19.4	lost A_{+1} 2
	22							
7.0	26	10	4	3.5	4.8	21.0	20.5	R A 789 A_{-1}
	26							
7.7	27	10	4	4.7	5.7	22.2	22.2	R A 5 and follow
	27							
	~~Sept. 1~~	~~10~~	~~4~~	~~20.1~~	~~19.9~~	~~38.8~~	~~38.2~~	~~A~~ A_{+1} 12 5 6 ~~A~~ A_{-1} 1
	1							
6.7	9	10	4	0.1	2.8	19.9	18.0	Lost 1st 4 wires
	9	10	3	43.8	45.9	2.6	0.5	
	17	10	4	21.8	24.0	40.4	38.1	Rattle after 2nd ∴
	17	10	4	5.8	7.9	24.2	22.6	

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1878phae.proj.1398R

ζ Cygni (47B) 5.9 $19^h\ 31^m\ 12^s\ +50°\ 5'9$

1878			E	F	G	H	
Aug 14	25	3	13.2	14.1	34.3	39.1	lost 1+2 m
14							
~~Aug 20~~	~~25~~	~~3~~	~~3.2~~	~~4.2~~	~~23.9~~	~~21.3~~	~~lost 1~~
Aug 20	25	3	3.2	4.2	23.9	21.3	
6.0 "	25	25	3	10.8	13.0	31.9	27.7	R lost 1st 3 wires
"	25						
6.0 "	29	25	3	10.9	12.1	32.2	27.8	R lost 1st two wires
	29						
Aug	31	25	3	39.0	38.7	59.4	55.1	R
	31						
6.0 Sept	15	25	3	35.3	38.2	58.1	50.0	
	15	25	2	39.8	42.3	1.4	56.1	

6.0 Sept 16 25 3 45.0 46.8 6.4 59.7
" 16 25 2 48.2 49.9 9.4 3.3
Rej. A +2

Aquilae (150B) 5.5 $19^h\ 35^m\ 30^s\ +13°\ 33'$

Aug 14	50	4	43.8	49.0	10.9	3.0	
14							
~~Aug 20~~	~~50~~	~~4~~	~~33.7~~	~~39.8~~	~~0.3~~	~~53.3~~	~~R 0, R~~
~~20~~							
6.3 25	50	4	40.6	47.7	8.1	59.3	R
25							
31	50	4	42.8	47.0	9.1	2.4	R
31							
Sept 15	50	4	38.4	45.1	5.4	55.0	
15	50	3	20.9	28.1	49.4	38.5	
6.2 16	50	4	33.8	40.2	0.5	50.7	
16	50	3	26.2	33.2	54.2	44.3	

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1878phae.proj.1398R

1 Cygni (67B) 5.9 $19^h\ 38^m\ 6^s$ $+32°\ 9'$

				E	F	G	H	
1878		′	′	44.8	46.8	8.″2	4.″8	R
Aug	14							
	14							
Aug	~~20~~	15	3	27.9	32.3	52.5	49.3	R
~~5.0~~	20							
5.0	22	15	2	1.4	4.7	25.5	21.2	R
	22							
6.2 Aug	25	15	8	35.7	39.8	58.9	55.3	R
	25							
	26	15	3	37.1	39.7	0.1	56.4	R
	26							
Aug	27	15	2	3.8	6.4	27.0	23.3	R
	27							

26 Cygni 6 var. $19^h\ 46^m\ 5^s$ $+32°\ 37'$ Ex

1878

Aug

26 Ex

Not seen sure

Paris par May – to 13

1878phae.proj.1398R

Vulpeculae 5.4 ^{h}19 ^{m}47 ^{s}0 +24° 41'

				ε	ζ	η	θ	
1878								
	Aug 18	45'	0	—	49.9"	10.0"	5.5"	R.
	18							
6.0	25	45	0	—	19.2	38.0	35.5	R Lost d_{+1}
	25							
	31	45	0	—	55.1	15.3	11.0	
	31							
6.2	Sept 15	45	0		12.8	19.6	39.2	31.8
	15							
	18	45	0		1.9	5.9	27.2	18.9
	18	~~40~~	~~4~~		44.1			
6.3	28	45	1		1.9	7.6	25.7	21.1
	28	45	0		9.6	15.8	33.7	28.8

Cygni 5.5 ^{h}19 ^{m}48 ^{s}24 +46° 43'

1878								
6.0	Aug 25	40	3		30.6	34.1	53.0	48.1 R Lost 1st wire
	25							
6.0	26	40	4	—		32.8	51.8	47.0 R
	26							
	Sept 23	40	4		15.8	18.9	37.9	32.4
	23	40	3		17.8	20.1	39.9	33.9
5.8	25	40	4		20.0	21.8	43.6	36.8
	25	40	3		25.8	25.7	47.8	42.3
6.0	Oct 3	40	4		17.5	17.3	40.2	34.0
	3	40	3		8.2	8.8	30.4	24.0
5.8	14	40	4		18.9	23.0	42.4	35.9
	14	40	3		10.8	14.0	32.8	27.8

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1878mae.proj.1398R

b Cygni (99 B) 5.5 19 48 42 +41° 39′

	1878			E	F	G	H	
	Aug	31	45	4 42.3	43.1	2.6	59.2	R
		31						
6.4	Sept.	28	45	4 59.2	1.2	18.9	13.2	
		28	45	3 57.4	59.2	17.0	12.4	
6.4		30	50	0 0.3	1.9	23.0	17.1	
		30	45	3 57.3	57.8	17.2	13.0	
5.4	Oct.	2	50	0 3.0	4.1	26.0	19.6	
		2	45	3 57.4	57.8	18.5	13.7	
6.3		8	50	0 2.6	5.9	24.4	19.8	
		8	45	3 59.8	1.4	20.8	16.1	
		16	45	4 55.4	57.4	18.3	12.4	Lost A +1
		16						

b Cygni (104 B) 5.9 19h 50m 24s +36° 41′

	1878							
6.0	Aug	26	45	0 13.7	16.2	36.7	31.8	R reject. 1st ~~2nd~~ 3rd
		26						
5.8	Sept.	17	45	1 31.0	34.9	55.2	49.9	
		17	45	0 47.9	52.2	11.7	7.7	
5.9		18	45	1 15.1	17.9	39.4	33.1	
		18	45	0 24.1	27.1	49.2	44.4	
6.2		19	45	1 31.9	34.9	56.5	50.4	Rej. A +2
		19	45	0 21.8	25.3	46.9	41.2	
		23	45	1 22.4	27.1	46.4	40.6	
		23	45	0 12.9	16.6	35.7	32.8	
6.5		25	45	1 26.4	28.2	50.9	44.8	
		25	45	0 15.8	19.2	40.0	36.5	

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Cygni		5.5	19^h	53^m	54^s	$+30°$	39′		
1878					E″	Z″	G″	K″	
5.8	Aug 25	45′	2		11.8	17.3	34.2	31.8	R
	25								
	26	45	2		33.7	37.2	55.7	53.3	R
	26								
	Aug 31	45	2		46.1	49.1	8.2	5.2	R
	31								
5.8	Sept. 15	45	2		40.6	46.2	4.1	58.1	Rej. A_{+2}
	15	45	1		34.2	40.6	59.0	53.5	
6.0	16	45	2		38.9	43.8	1.7	56.4	
	16	45	1		30.6	36.4	54.7	49.2	
5.5	17	45	2		41.9	45.9	5.3	59.1	
	17	45	1		30.7	36.3	54.3	49.5	
Cygni		5.9	19^h	58^m	42^s	$+29°$	35′		
1878									
5.8	Aug 25	50	2		3.0	8.7	26.2	22.1	R. 3 strokes for δ
	25								
	Aug 31	50	2		21.3	25.0	44.7	40.2	R
	31								
5.9	Sept. 15	50	2		34.7	40.8	57.8	51.9	Rej. A_{+2}
	15								
5.7	18	50	2		36.0	39.4	57.9	52.5	Rej. A_{-2}
	18	50	1		12.8	17.2	36.1	30.5	
6.0	25	50	2		32.7	36.3	55.7	50.1	
	25	50	1		20.9	24.8	44.2	39.0	
6.4	30	50	1		40.1	44.6	1.9	57.1	
	30	50	1		15.6	19.9	37.9	33.3	

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1878phae.proj.1398R

Cygni (134 B)		5.9	$19^h\ 59^m\ 54^s$	$+31°\ 53'$					
	1878				E	F	G	H	
6.0	Aug 25		30′	3′	31.″4	35.″8	55.″2	5.″4	R. Lost A_{+1}
	25								
5.8	Sept. 16		30	4	31.1	34.7	54.7	48.2	
	16		30	3	22.3	26.0	46.3	40.8	
6.3	19		30	4	24.7	27.2	49.3	42.1	
	19		30	3	21.9	24.8	46.4	40.2	
	23		30	4	27.0	31.8	51.2	45.3	
	23		30	3	15.5	19.3	38.3	35.2	
5.9	Oct. 1		30	4	30.4	33.9	54.1	49.1	
	1		30	3	15.8	18.8	39.3	35.3	
6.0	3		30	4	31.2	33.2	55.4	49.8	Rej. A_{-2}
	3		30	3	38.7	40.1	2.3	57.2	
Aquilae (221 B)		5.9	$19^h\ 59^m\ 54^s$	$+15°\ 1'$					
	1878								
6.7	Sept. 15		15	2	15.1	23.1	43.1	33.4	
	15		15	1	13.2	21.1	41.5	32.1	
6.0	17		15	2	29.4	35.2	56.9	47.1	
	17		15	1	15.9	22.1	44.0	34.6	
6.0	22		15	2	22.1	29.9	49.9	39.2	Rej. A_{+2}
	22		15	1	10.6	18.6	37.8	29.0	
6.5	28		15	2	18.3	25.8	45.6	36.6	
	28		15	1	8.8	15.6	33.3	28.1	
5.7	Oct. 2		15	2	23.3	29.1	52.4	43.5	
	2		15	1	11.1	16.2	37.2	30.8	
6.8	8		15	2	24.7	30.8	52.0	42.9	
	8		15	1	7.1	13.6	34.1	26.1	

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1878phae.proj.1398R

Aquilae (228B) 5.9 $20^h\ 2^m\ 54^s$ +10° 22'

	1878			E	F	G	H	
	Aug 26	0	3	57.8	3.1	24.0	18.7	R
	26							
	Aug 31	0	4	10.8	15.3	3m 6.0	31.0	R
	31	0						
5.7	Sept. 14	0	3	59.6	5.2	27.7	18.4	
	14	0	2	59.8	5.1	26.9	18.0	
6.5	17	0	4	12.7	18.9	39.7	31.3	
	17	0	3	4.3	10.0	30.2	23.8	
5.8	22	0	4	11.8	19.2	38.8	30.5	
	22	0	2	57.1	4.1	23.0	15.5	
	23	0	4	14.9	22.1	40.9	34.3	
	23	0	3	2.3	9.2	27.8	22.0	

Cygni 140 B 5.9 $20^h\ 3^m\ 6^s$ +34° 4'

	1878							
6.2	Sept. 12	20	2	40.5	43.7	5.1	58.9	
	12	20	1	38.8	41.8	4.1	58.8	
6.3	15	20	2	43.9	48.5	8.4	1.2	
	15	20	1	34.2	39.8	59.5	53.3	
6.4	16	20	2	28.5	33.3	53.2	47.4	
	16	20	1	37.7	41.8	1.1	55.8	
6.3	18	20	2	52.5	55.3	17.4	10.1	
	18	20	1	35.2	38.4	59.5	54.2	
6.5	19	20	2	39.8	43.0	3.9	56.8	
	19	20	1	31.9	35.8	56.3	49.3	
6.2	25	20	2	9.2	11.6	32.3	26.4	Lost 1st 2 wires
	25	20	1	21.3	24.7	46.1	40.7	Rej. A -2

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1878phae.proj.1398R

Vulpeculae		5.9	20h 6m 8s	+21° 31′				
1878				E	F	G	H	
Aug	26	5′5	1	4,3	9.3	26.8	23.7	R
	26							
aug	31	55	0	50.2	54.2	13.3	9.8	R
	31							
Sept.	2	55	0	57.9	1.3	22.8	16.3	
	2	50	4	34.2	37.9	58.5	53.7	
6.2	12	55	0	40.1	44.8	4.7	59.7	
	12	50	4	48.9	53.3	13.3	8.2	
6.0	14	55	0	37.0	41.9	1.7	53.6	
	14	50	4	42.9	47.6	6.6	59.0	
6.4	15	55	0	39.2	46.3	3.8	57.9	
	15	50	4	43.9	50.2	7.5	1.2	
Delphini (1 B)		5.4	20h 13m 54s	+21°/12 52′				
1878								
Oct.	1	35	0	23.3	29.8	52.0	43.3	~~examina~~ Lost A +1
	1	30	4	45.3	51.2	11.8	5.2	
6.4	2	35	0	48.6	54.0	17.3	6.9	Lost 1st F. 3 wires
	2	35	0	8.9	14.4	36.9	28.7	
6.6	3	35	0	30.9	37.1	0.0	50.3	
	3	30	4	53.8	59.0	21.0	11.1	Lost A +1
	8	35	1	5.1	11.5	32.7	23.6	
	8	35	0	11.2	17.6	39.4	30.1	
	10	35	1	24.6	32.8	53.0	43.2	
	10	35	0	8.9	17.7	38.6	29.0	
	21	35	0	49.9	57.1	18.9	9.4	3 strokes for δ φ. 7. m.
	21							

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Delphini (5B) 5.5 $20^h\ 17^m\ 18^s\ +14^\circ\ 9'$

	1878			E	F	G	H
6.9	Sept. 2	15	1	53.9	58.9	22.3	11.8
	2						
5.8	9	15	1	52.7	59.6	19.7	11.4
	9						
6.0	14	15	1	51.7	58.2	20.8	8.5
	14						
6.1	15	15	1	57.1	5.4	25.1	14.5
	15	15	0	49.3	56.9	17.4	7.8
6.4	16	15	1	52.1	59.5	19.6	9.1
	16	15	0	33.3	41.1	0.7	51.8
6.3	17	15	1	58.6	5.3	26.4	15.7
	17	15	0	45.7	52.2	12.9	4.9

Cygni (182B) 5.5 $20^h\ 18^m\ 12^s\ +45^\circ\ 24'$

	1878							
	Sept. 2	0	2	2.2	3.7	26.4	20.4	Lost 1st 2 wires + A − 1
	2							4 strokes for δ
5.7	14	0	2	9.7	11.9	32.4	25.3	
	14	0	2					
5.4	28	0	2	49.9	53.4	10.9	6.2	
	28							
6.2	Oct. 1	0	2	52.0	54.8	15.1	8.9	
	1	0	2	0.1	3.1	23.1	17.7	
6.0	2	0	2	42.9	44.6	5.2	59.7	
	2	0	1	50.9	52.9	14.2	7.5	
	8	0	2	49.8	52.9	11.9	6.9	Lost mid wire of A
	8	0	2	15.5	18.6	38.1	32.7	

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61 Cygni (190 B)	5.9	20^h	19^m	18^s	$+37°$	$5'$			
1878				E	F	G	K		
Sept. 2		20^h	$0'$	52.9^s	53.6^s	17.9^s	12.0^s	A2 + C	δ ?
	2								
5.0	9	20	1	52.8	56.8	17.2	11.9		
	9								
5.4	14	20	1	41.3	42.3	5.4	57.9		
	14			43.6					
5.0 Oct.	3	20	1	46.9	49.2	10.9	4.1		
	3								
	10	20	1	56.1	1.3	21.2	13.9		
	10								
6.2	14	20	1	50.2	53.9	14.3	10.2		
	14								
D.M. 1618	5.7	20^h	19^m	30^s	$+63°$	$37'$			
1878									
5.7 Oct. 16		50	1	59.9	0.2	20.5	16.7		
	16	50	1	30.2	30.8	51.9	48.2		
	21	50	2	4.6	6.1	25.3	21.2	5 strokes for δ	
	21	~~50~~	~~1~~	~~33.6~~					
	22	50	1	33.6	34.2	54.9	48.8		
	22								
	29	50	1	56.9	58.4	15.8	13.1		
	29	50	1	1.5	3.1	20.6	17.4		
Nov. 2		50	1	44.6	46.7	2.1	0.9	A_{+1} A.	
	2	50							
	3	50	1	55.4	57.1	12.7	10.5		
	3	50	0	55.9	57.0	12.0	11.2		

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Vulpeculae (90B) 5.4 $20^h\ 20^m\ 24^s$ $+21^\circ\ 1'$

	1878			E	F	G	H
				"	"	"	"
5.0	Sept. 9	25	0	38.6	44.9	3.9	58.1
	9	20	4	42.1	47.7	4.9	2.1
6.1	14	25	0	40.2	44.6	6.7	57.8
	14	20	4	38.3	42.9	3.7	55.2
	23	25	0	57.8	3.4	21.9	15.7
	23						
6.0	Oct. 14	25	0	43.1	48.3	8.2	3.6
	14	20	4	41.9	47.8	6.8	2.2
	16	20	4	59.6	4.9	24.8	18.9
	16						
6.0	Nov. 2	25	0	22.9	29.4	46.5	42.1
	2	20	4	43.2	48.9	8.6	2.2

A 2 + foll.

Vulpeculae 5.9 $20^h\ 26^m\ 48^s$ $+25^\circ\ 24'$

	1878						
6.0	Sept. 9	0	3	17.5	22.3	41.6	35.7
	9	0	1	56.2	1.5	20.2	16.2
6.0	12	0	3	3.6	8.1	28.9	21.8
	12	0	1	59.0	3.1	24.3	18.9
6.0	14	0	3	9.4	13.6	34.0	26.3
	14	0	1	54.5	58.6	19.8	12.0
6.0	15	0	3	10.9	17.1	36.1	29.2
	15	0	1	58.1	4.1	23.2	17.0
5.8	16	0	3	12.7	18.7	37.6	30.2
	16	0	1	54.0	59.2	18.3	12.9
6.1	17	0	2	29.1	35.1	54.2	47.8
	17	0	1	58.6	3.0	22.0	17.8
	18	0	2	58.8	2.4	22.3	16.9
	18	0	1	59.8	3.3	24.1	17.8

Rej. A +2

Rej. A +2

Rej. 1st 11 8'

Rej. A +2

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1878phae.proj.1398R

Vulpeculae (105 B) 5.9 $20^h\ 33^m\ 48^s$ +21° 2′

	1878			E	F	G	H	
Sept.	9	0′	½	24″.8	30″.8	48″.9	43″.1	
	9							
6.6	14	0	3	16.9	21.4	41.2	33.1	
	14							
~~5.7~~	15	0	3	~~41.0~~ 13.2	~~47.0~~ 19.9	~~4.2~~ 37.5	~~59.2~~ 31.6	False obs. pr.
	15							
5.7	16	0	3	26.7	32.8	50.7	44.3	
	16	0	2	11.0	16.9	33.6	29.0	
5.8	17	0	3	29.2	34.8	52.3	46.7	Rej. A +2
	17	0	2	13.7	19.7	36.4	33.6	
6.5	18	0	3	10.2	14.1	33.1	27.4	
	18	0	2	10.2	14.8	33.7	27.2	

Cygni 5.9 $20^h\ 35^m\ 48^s$ +43° 2′

	1878							
6.5	Sept. 14	25	0	23.1	25.9	49.0	39.7	
	14	20	4	22.4	24.1	46.4	38.0	
6.2	15	20	4	45.6	49.2	9.7	1.8	
	15	20	4	24.1	19.2	38.1	32.8	
6.8	16	20	4	30.6	34.1	53.2	47.1	
	16	20	4	8.6	11.2	30.4	25.2	
6.7	17	20	4	55.0	57.9	18.4	12.0	
	17	20	4	5.9	8.4	28.0	22.6	
6.6	18	25	0	7.5	10.0	31.8	24.2	
	18	20	4	9.9	13.5	34.9	28.8	
6.9	25	25	0	21.9	24.8	47.4	39.8	
	25	20	4	9.2	11.7	32.5	26.4	

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1878phae.proj.1398R

Cephei 5.9 $20^h\ 41^m\ 6^s$ +56° 3'

	1878			E	F1	G	H.	
6.8	Sept. 9	20'	4'	21.6"	22".4	41".9	36".9	
	9	20	3	32.2	33.1	52.9	47.2	
5.8	14	20	3	54.9	55.2	16.8	8.4	Lost 1st wire
	14	20	3	4.4	5.1	26.3	18.3	Use 3rd &. Rej. 2nd
5.7	15	20	4	31.8	34.6	53.5	46.5	
	15	20	3	45.8	47.1	6.0	1.5	
5.5	16	20	4	31.1	32.9	52.2	44.8	
	16	20	3	26.9	28.7	47.8	41.9	
5.8	17	20	4	24.1	25.8	46.1	38.6	
	17	20	3	27.2	28.4	48.4	43.2	
6.3	18	20	4	34.1	35.0	55.8	48.0	
	18	20	3	21.8	23.3	44.4	37.7	

Cygni 5.4 $20^h\ 43^m\ 54^s$ +47° 23' next star quick.

	1878							
	Sept. 18	0	3	36.3	37.7	58.6	52.1	
	18	0	2	59.0	59.3	20.6	14.9	
5.0	19	0	4	10.0	11.6	32.1	24.9	
	19	0	3	3.2	4.8	25.4	19.2	
5.0	25	0	4	1.7	3.0	23.6	16.5	
	25	0	3	32.5	34.1	55.1	48.1	
5.0	26	0	4	10.4	13.5	31.9	25.3	
	28	0	3	13.9	17.0	35.1	29.2	
5.0	30	0	4	4.7	6.3	25.4	19.8	
	30	0	3	2.6	4.3	23.9	18.3	
5.5	Oct. 3	0	4	8.2	9.1	30.0	23.4	Rej. A +2
	3	0	3	4.7	5.7	26.7	21.3	
	10	0	3	49.1	52.7	11.4	4.9	
	10	0	2	56.9	59.8	18.7	13.2	

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61 Cygni		5.9	h 20	m 45	s 6	+51°	28′		
	1878				E	F	G	H	
6.5	Sept. 23	55′	4		39″.9	41″.9	1.″1	54′.7	
	22	55	3		29.0	32.4	50.8	45.1	
5.9	25	55	3		52.3	53.1	13.9	6.7	Rej. 2 $\frac{2}{11}$ d δ
	25								
6.0	28	55	4		14.0	16.3	34.8	28.9	
	28	55	3		30.8	33.3	50.5	46.4	
5.8	Oct. 1	55	3		46.4	47.9	8.2	2.1	
	1	55	3		20.2	22.4	42.9	36.4	
6.0	2	55	4		7.9	9.1	30.3	22.7	Lost 1st 3 wires
	2	55	3		30.0	31.2	52.0	45.8	
6.4	14	55	4		30.9	33.1	52.3	46.6	faint-close comp. folls.
	14	55	3		32.2	35.3	54.5	500	
Delphini (50B)		6.0	h 20	m 47	s 0	+17°	34′		
	1878								
6.5	Sept. 18	50	2		27.9	33.7	55.8	46.4	
	18	50	1		17.8	23.2	46.0	35.8	
6.7	19	50	2		26.4	32.9	55.1	44.7	Rej. A +2
	19	50	1		14.9	20.9	43.9	33.6	
6.5	23	50	2		12.6	20.4	39.2	30.9	
	23	50	1		5.6	12.2	31.3	24.9	
7.0	25	50	2		10.9	16.4	37.9	28.8	Perhaps 3 strokes for
	25	50	1		24.1	31.9	44.1	36.2	1st F. S.
	Oct. 14 ~~30~~	~~50~~	~~2~~		~~27.5~~	~~34.2~~			
		50	2		15.1	22.3	42.9	34.2	
	14 ~~30~~	50	1		0.6	8.2	28.0	21.3	
6.7	16	50	2		8.1	14.5	36.6	27.8	
	16	50	1		56.1	2.9	24.3	16.4	

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1878phae.proj.1398R

				E	F	G	H	
Cygni	5.9	20h 49m 0s	+32° 59′					
1878								
5.8 Sept.	9	25	3	11.9	14.2	36.9	30.1	A +1, 1+2 Clouds
	9	25	1	5.0	7.7	29.0	24.1	
5.9	14	25	3	23.6	25.9	49.5	40.0	
	14	25	2	18.9	21.2	45.1	35.2	
5.7	15	25	3	23.9	28.3	49.6	41.1	
	15	25	2	14.2	18.7	39.1	32.0	
6.0	16	25	3	21.0	24.7	46.3	37.7	
	16	25	2	16.9	21.1	42.2	35.3	
5.7	17	25	3	25.4	29.2	50.6	43.5	
	17	25	2	13.6	16.3	37.2	31.3	
6.2	18	25	3	5.9	8.1	30.3	22.8	
	18	25	2	17.9	20.6	43.2	36.8	
Delphini (55B)	5.7	20h 55m 0s	+18° 52′					
1878								
6.5 Sept.	9	30	4	12.7	18.4	38.2	31.1	Lost 1st & 2 wires
	9	30	3	58.2	3.8	23.9	18.3	
6.1	14	30	4	35.1	40.2	1.5	52.3	
	14	30	3	56.9	2.3	23.2	14.4	
5.7	19	30	4	33.5	38.9	59.3	51.8	Lost 1st & 2 wires
	19	30	4	2.3	7.3	28.0	21.8	
6.3	23	30	4	34.5	41.3	59.7	52.3	
	23	30	3	50.8	57.7	15.2	9.2	
6.6	25	30	4	36.2	40.7	1.6	54.3	Lost 1st wire
	25	30	4	5.7	10.0	31.3	25.3	
5.8	28	30	4	28.7	35.1	53.8	46.7	Lost 1st wire
	28	30	3	49.1	55.8	13.2	7.9	

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61 Cygni		5.4	21h	1m	30s	+30°	4′2	
	1878				E	F	G	H
6.0	Sept. 9	40′	4′		59.8″	46″	22.5″	17.8″
	9	40	3		56.8	08	20.0	15.2
6.2	14	40	4		53.8	58.4	18.2	9.2
	14	40	3		5.7	58.6	18.2	11.2
5.8	19	45	0		6.9	11.6	31.5	23.9
	19	40	3		53.3	57.3	17.0	10.5
6.0	23	40	4		59.7	5.2	22.1	16.7
	23	40	3		51.1	56.3	12.9	8.7
5.8	25	45	0		4.9	9.1	28.5	21.8
	25	40	3		55.8	59.6	19.2	14.3
6.5	28	45	0		1.9	7.1	24.4	18.7
	28	40	3		58.2	4.0	19.9	16.1
D. M.		5.5	21h	13m	18s	+53°	30′	
	1878							
6.1	Sept. 19	55	2		41.2	42.4	3.1	56.2
	19	55	1		57.2	58.4	20.0	12.5
	23	55	3		1.8	4.8	22.7	26.3
	23	55	1		54.3	56.7	16.0	9.8
6.6	25	55	3		4.0	5.0	25.2	18.1
	25	55	1		56.1	57.3	18.2	11.3
6.1	28	55	2		55.2	57.6	15.1	10.1
	28	55	2		14.3	17.0	34.0	29.4
6.6	30	55	2		48.7	50.1	9.9	3.6
	30	55	1		54.9	56.1	15.6	9.8
6.4	Oct. 16	55	2		57.8	59.8	21.1	13.9
	16							

Ref. A +2

Lost 1st wire

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1878phae.proj.1398R

Pegasi (11B) 5.9 $21^h\ 14^m\ 48^s$ $+21^\circ\ 32'$

	1878			E	F	G	H	
6.7	Sept. 9	55	1	6.9	12.3	30.1	25.8	
	9	50	4	54.8	0.3	17.6	13.3	
6.5	Oct. 16	55	1	2.4	7.7	26.8	21.1	
	16	50	4	53.9	59.2	17.8	13.2	
	21	55	0	48.7	54.1	12.4	7.3	3 strokes for δ
	21							
	22	55	0	58.0	4.1	21.7	16.0	
	22							
6.7	29	55	0	0.1	7.0	22.2	17.9	
	29	50	4	48.7	54.7	9.4	6.4	
8	Nov. 6	55	0	10.6	15.4	25.6	23.9	Lost 1st F. two wires
	6	50	4	29.6	35.8	43.8	43.3	

Cygni (326B) 5.9 $21^h\ 16^m\ 18^s$ $+32^\circ\ 6'$

	1878							
6.0	Sept. 19	20	1	14.6	18.9	41.2	32.6	Rej. A +2
	19	15	4	54.8	58.0	18.7	13.0	
6.3	23	20	1	5.2	9.3	28.8	22.2	
	23	15	4	58.7	2.9	20.7	16.7	
5.7	25	20	1	7.4	10.2	32.1	24.5	
	25	15	4	53.8	55.9	17.3	11.8	
6.2	28	20	1	5.5	10.3	28.2	22.3	
	28	20	0	0.8	5.1	23.7	18.8	
6.5	30	20	1	11.0	14.2	34.8	27.9	
	30	15	4	58.7	1.7	21.9	16.3	
6.2	Oct. 1	20	0	47.1	50.1	11.6	5.5	Rej. A −2
	1	15	4	44.0	45.8	8.0	2.3	

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1878mae.proj.1398R

61 Cygni		5.4	21^h	22^m	36^s	$+48^\circ$	19′		
	1878				E	Fi	G	H	
5.5	Sept. 19		5′	3	47.9	49.8	9.8	2.1	
	19		5	2	42.8	44.5	4.3	58.2	
5.5	23		5	3	42.1	44.9	1.4	56.9	Rej. short stroke among 1st 8's
	23		5	2	40.8	42.8	59.9	54.8	
5.5	25		5	3	47.2	47.4	8.7	1.3	Rej. T +2
	25		5	2	38.9	39.9	59.9	54.8	
5.0	28		5	3	48.9	50.7	7.9	3.3	
	28		5	2	41.0	43.9	0.0	56.9	
5.0	Oct. 2		5	3	49.1	50.1	9.9	4.1	Rej. A +2
	2		5	2	35.3	36.7	56.7	51.3	
	10		5	3	19.1	22.4	39.9	35.0	
	10		5	2	39.9	43.0	0.8	56.0	
Pegasi (21B)		5.4	21^h	23^m	30^s	$+21^\circ$	40′		
	1878								
6.1	Sept. 9		45	2	54.2	0.3	17.5	12.5	
	9		45	1	41.1	46.3	3.7	0.3	
6.4	30		45	2	49.2	55.1	11.9	6.9	Rej. A +2
	30		45	1	47.9	53.2	10.0	6.6	
6.1	Oct. 1		45	2	51.2	56.5	14.5	9.7	Rej. A +2
	1		45	1	43.7	48.3	6.4	3.2	
6.0	3		45	2	46.9	51.9	10.9	3.4	
	3		45	1	26.9	32.8	52.4	45.7	
6.0	14		45	2	52.2	59.1	16.1	10.4	
	14		45	1	41.7	47.8	3.8	1.2	
5.4	15		45	2	46.9	52.4	9.8	5.8	
	15		45	1	37.2	42.9	59.0	56.1	

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1878phae.proj.1398R

Pegasi (26B) 5.9 $21^h\ 25^m\ 18^s$ +11° 37'

	1878			E	F	G	H
6.6	Sept 23	50	0	19.6	27.8	46.1	36.9
	23	45	4	5.3	13.0	30.5	22.1
6.6	25	50	0	11.1	17.1	39.1	29.1
	25						
6.0	28	50	0	14.0	21.9	39.9	32.4
	28						
6.2	Oct. 2	50	0	18.8	24.8	47.7	37.1
	2	45	4	26.8	32.5	53.2	44.6
	3	50	0	10.1	16.0	39.0	27.8
	3						
	10	50	0	10.4	18.2	38.1	28.9
	10						

Rej. $2^m 1^d$ δ

Cygni 5.9 $21^h\ 28^m\ 42^s$ +49° 25'

	1878						
6.0	Sept. 25	0	0	48.2	50.2	10.5	3.8
	25	55	4	47.4	48.2	7.2	3.1
5.5	28	0	0	53.2	55.6	13.3	7.8
	28	55	4	39.4	41.3	57.3	53.1
6.4	Oct. 14	0	0	50.7	53.1	12.2	7.5
	14	55	4	41.1	43.8	0.8	57.2
5.9	16	0	0	45.5	46.9	7.6	1.9
	16	55	4	28.9	31.2	50.1	45.2
6.0	Nov. 2	0	0	27.6	30.3	46.5	42.6
	2	55	4	39.7	41.6	56.2	54.2
	3	55	4	39.1	41.1	55.1	52.7
	3	55	4	16.7	18.8	31.5	30.8

Lost A_{+1}

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1878nae.proj.1398R

Pegasi (78 B)	5.5		$2^h\ 1^m\ 48^s.0$	$+19°\ 6'$					
	1878				E	F	G	H	
6.3	Sept. 25	20	0	57.9	4.0	24.7	15.2		
	25	15	4	42.9	48.3	8.2	59.8		
6.0	28	20	0	57.7	4.9	23.1	14.9		
	28	15	4	43.9	51.0	6.9	0.2		
6.0	30	20	1	0.3	7.1	25.6	17.1		
	30	15	4	44.8	51.2	9.2	1.4		
6.3	Oct. 1	20	1	1.4	7.5	27.5	16.9		
	1	15	4	49.9	54.7	14.4	6.1		
5.8	2	20	0	58.9	4.1	25.5	17.0	A 6.0 mag. follows, above	
	2	15	4	47.9	53.0	13.2	4.7		
6.0	3	20	0	59.8	5.2	27.1	16.1		
	3	15	4	46.3	51.8	13.8	3.9		
D.M. 50 46	5.5		$21^h\ 50^m\ 48^s$	$+20°\ 4'$					
	1878								
6.8	Sept. 25	45	2	0.4	6.1	25.9	18.8		
	25	45	0	44.8	49.8	9.0	4.4		
6.5	28	45	1	58.2	4.8	21.2	15.0		
	28	45	0	38.9	45.3	1.8	57.9		
6.0	30	45	1	53.0	59.6	17.2	10.9		
	30	45	0	42.6	48.8	8.0	1.6		
6.8	Oct. 1	45	1	54.4	4.5	23.2	17.8	Rej. A +2	
	1	45	0	43.9	50.2	9.4	4.3		
6.5	2	45	1	57.8	3.2	23.3	15.9		
	2	45	0	50.6	55.6	15.4	9.0		
6.3	3	45	2	0.0	5.1	25.3	17.1		
	3	45	0	50.0	55.1	15.9	8.9		

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1878phae.proj.1398R

Lacertae (4B) 5.9 $21^h\ 58^m\ 12^s$ +44° 4'

	1878			E	F	G	H	
		°	'	"	"	"	"	
6.0	Oct 1	20	3	7.6	10.5	31.2	25.8	
	1	20	2	2.3	4.9	26.1	19.5	
5.8	3	20	3	12.1	14.6	36.8	28.8	
	3	20	2	22.4	25.1	48.2	39.3	
6.0	14	20	3	0.2	3.8	23.5	17.1	
	14	20	2	6.7	9.8	29.4	24.3	
6.5	15	20	3	16.9	20.2	40.7	34.8	
	15	20	2	6.2	9.6	29.2	24.0	
6.2	16	20	3	18.4	22.3	43.9	37.1	Rej: 2nd ℓ
	16	~~20~~	~~2~~	~~18.9~~				
6.8	29	20	3	13.0	16.1	32.4	29.0	
	29	20	2	2.2	5.9	23.1	19.8	

Pegasi (130B) 5.9 $22^h\ 4^m\ 48^s$ +11° 2'

	1878							
5.8	Oct. 2	20	4	50.9	56.4	17.8	8.8	Rej. A −2
	2	20	3	23.9	30.0	51.3	43.0	
6.2	3	20	4	51.4	57.5	18.5	9.1	
	3	20	3	35.4	41.8	3.0	54.3	
	10	20	4	45.0	53.0	11.1	3.5	
	10	20	3	36.2	43.9	1.7	55.6	
6.5	14	20	4	42.8	50.3	8.9	1.6	
	14	20	3	25.7	33.1	51.8	45.8	
6.2	15	20	4	48.2	54.7	14.5	7.6	
	15	20	3	36.6	43.3	2.1	55.4	
6.2	16	20	4	43.0	49.3	10.1	2.4	
	16	20	3	32.7	39.4	59.6	52.7	

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1878phae.proj.1398R

Cephei (189 B)		5.7	22^h	7^m	54^s	$+69°$	$32'$		
	1878				E	F	G	H	
6.4	Oct. 1		55'	0'	1.1"	1.5"	22.2"	18.2"	
	1		50	4	35.2	35.1	34.8	51.8	
5.8	2		55	0	20.9	21.8	42.9	38.5	Perhaps lost some of the wires
	2		50	4	33.7	33.9	53.9	49.8	of A_{+1} + A.
6.0	3		55	0	22.8	23.1	44.6	38.8	
	3		50	4	34.1	34.2	54.2	50.3	
6.2	14		55	0	21.6	22.8	41.8	37.9	Rej. 2nd wire
	14		50	4	42.7	43.6	1.8	59.5	
6.1	15		55	0	14.6	15.5	34.5	31.7	
	15		50	4	40.0	40.6	59.4	57.0	
6.0	16		55	0	20.9	22.4	42.9	38.4	
	16		50	4	35.9	36.7	56.4	53.3	
Lacertae		5.9	22^h	22^m	12^s	$+39°$	$12'$		
	1878								
5.8	Oct. 2		15'	0'	35.7	38.7	0.4	54.6	
	2								
6.4	3		15	0	34.7	37.8	59.5	52.4	
	3								
	10		15	0	33.6	38.8	58.5	52.5	
	10								
6.4	14		15	0	27.5	32.9	53.0	47.2	Rej. 2nd δ
	14								
6.8	15		15	0	31.2	36.6	55.9	50.1	
	15								
6.0	16		15	0	29.0	33.1	53.7	47.3	
	16								

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1878phae.proj.1398R

Cephei 5.9 $22^h\ 27^m\ 42^s$ +70° 9'

				E	F	G	H
	1878						
6.3	Oct. 29	15	3	23.1	25.1	41.0	38.8
	29	15	2	40.3	42.1	58.2	56.9
6.5	Nov. 2	15	3	9.3	10.3	25.5	24.2
	2	15	2	44.1	44.8	59.8	0.2
6.2	3	15	3	21.9	23.6	37.0	35.6
	3	15	2	49.6	50.7	2.8	3.0
6.0	4	15	3	18.6	19.2	29.6	29.5
	4	15	2	40.8	41.1	52.2	52.2
6.0	5	15	3	27.5	28.1	37.1	36.9
	5	15	2	20.9	21.2	31.2	30.9
6.3	6	15	3	16.9	16.4	26.5	27.9
	6	15	2	20.8	19.8	39.1	31.2

Pegasi (188B) 5.4 $22^h\ 23^m\ 30^s$ +26° 9'

	1878						
5.8	Oct. 2	15	3	2.3	6.1	25.7	20.6
	2	15	2	8.5	12.6	32.3	27.1
5.9	3	15	2	55.2	0.1	20.2	13.2
	3	15	2	1.6	5.7	26.2	20.8
	10	15	3	8.9	15.1	32.4	27.9
	10	15	1	56.3	2.3	20.3	15.8
6.1	14	15	3	3.8	9.3	26.9	23.0
	14	15	2	7.0	12.4	29.8	27.8
6.4	15	15	3	13.9	19.5	38.1	33.8
	15	15	2	6.8	11.9	29.8	26.2
6.1	16	15	3	6.4	11.7	30.6	25.9
	16	15	2	3.9	9.2	27.7	24.1

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1878hae.proj.1398R

	Lacertae	5.9	22^h	34^m	12^s	$+36°$	$58'$		
	1878				E	F	G	H	
	Oct. 1		25′	4′	16.2″	19.4″	39.0″	34.8″	
	1		25	3	16.3	20.0	39.4	36.1	
6.5	Nov. 2		25	4	18.0	22.9	37.6	35.6	
	2		25	3	9.3	13.8	28.8	27.0	
	3		25	3	58.0	3.3	17.3	14.1	
	3		25	3	4.2	8.8	22.0	20.2	
6.2	4		25	4	25.3	29.7	40.2	37.8	
	4		25	3	13.8	18.2	28.2	26.8	
5.9	5		25	4	19.2	23.0	33.5	32.1	
	5		25	3	19.0	22.1	32.1	31.2	
6.4	6		25	3	17.4	20.8	30.8	30.6	A 2 vc.
	6		25	2	56.6	59.6	9.8	9.7	
	Lacertae	5.7	22^h	49^m	30^s	$+36°$	$27'$		
	1878								
6.6	Oct. 14		0	1	13.1	17.3	36.2	32.4	
	14		0	0	2.8	6.8	25.9	22.6	
6.7	15		0	1	11.2	15.6	35.4	30.8	
	15		0	0	2.2	6.1	25.0	23.0	
6.4	16		0	1	9.2	13.0	33.0	28.5	
	16		55	4	57.1	59.9	20.7	16.8	
6.5	29		0	1	9.4	14.7	30.7	27.2	
	29		0	0	46.8	51.8	4.7	4.2	
	Nov. 24		0	0	46.8	51.8	4.7	4.2	
	24								
	Dec. 1		0	1	13.1	16.4	27.4	26.9	
	1		0	0	1.9	4.3	15.4	17.2	

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1878phae.proj.1398R

Lacertae 5.9 $22^h\ 50^m\ 12^s$ $+35^\circ\ 43'$

				E	F	G	H	
	1878			"	"	"	"	
6.5	Oct 29	40	3	52.1	57.1	13.5	9.4	Lost 1st 3 wires
	29	40	3	5.7	10.8	26.9	24.0	Rej. A
	Nov. 3	40	4	37.5	43.1	57.4	54.9	Rej. short streak among
	3	40	3	31.2	36.1	48.8	47.3	the 1st 8
	24	40	3	59.1	2.4	15.8	12.3	Lost A +1
	24	40	3	9.7	13.8	25.1	25.1	
6.4	26	40	4	41.0	44.3	56.7	55.4	
	26	40	3	29.6	33.9	45.3	44.2	
6.1	Dec. 16	40	4	23.0	27.4	36.4	36.7	
	16							
6.4	17	40	4	29.1	32.9	41.4	39.6	
	17	40	3	35.0	38.4	46.9	46.2	

D. M. 33 14 5.9 $22^h\ 54^m\ 0^s$ $+52^\circ\ 0'$

	1878							
6.6	Oct. 15	25	1	52.7	55.1	14.6	9.1	
	15							
6.4	16	25	1	54.6	56.6	16.9	11.1	
	16							
6.6	29	25	1	49.3	53.5	8.9	4.9	Lost 1st 2 wire
	29							
	Nov. 3	25	1	48.9	53.2	5.9	2.9	
	3							
	24	25	1	29.1	31.6	43.9	41.6	
	24							
6.3	26	25	1	43.1	45.6	57.5	55.1	
	26							

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1878phae.proj.1398R

Pegasi (273 B) 5.9 ^{h}22 ^{m}55 ^{s}0 +30° 27′

	1878			E	F	G	H	
	Nov. 2	0′	0′	50.4″	57.1″	11.9″	8.5″	A+2, A+1, +A.
	2							
17.0	5	0	0	51.6	57.1	5.4	4.9	Faint close comp.
	5			59				foll's. Same δ
7.2	12	0	0	59.2	5.5	20.6	17.6	Faint close Comp.
	12			5				foll's, same A.R.
7.3	13	0	0	59.6	6.0	17.9	15.2	
	13							
7.0	14	0	0	22.7	27.9	39.6	35.9	Fig pairs pr A+1
	14							
6.5	Dec. 7	0	0	43.5	48.1	56.5	53.1	

Cephei or Cassiop. 5.9 ^{h}22 ^{m}55 ^{s}6 +56° 18′

	1878							
6.0	Oct. 15	5	4	1.9	3.2	22.7	16.8	Lost 1st wire
	15							
	16	5	3	54.6	55.9	15.9	10.4	
	16							
5.7	29	5	3	56.1	58.6	14.5	9.5	
	29							
	Nov. 3	5	3	58.6	0.6	14.4	11.8	Lost 1st wire
	3							
	26	5	4	5.1	7.1	17.6	16.8	
	26							
	Dec. 1	5	4	30.3	31.3	41.1	40.0	
	1							

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1979phae.proj.1300R

D. M. 4762 5.9 $22^h\ 56^m\ 30^s$ $+22^\circ\ 4'$ (foll. star comes first)

				E	F	G	H	
1878								
Oct. 15	4	5	0	21.8	28.2	46.1	40.9	Rej. 2nd δ
	15							
7.0	16	45	0	11.6	18.2	35.6	31.1	
	16							
7.1	29	45	0	9.8	17.4	30.4	27.9	
	29	40	4	6.6	13.2	26.1	23.2	
6.7	Nov. 26	45	0	17.1	23.1	32.6	31.5	
	26							
	Dec. 1	45	0	23.0	29.7	37.4	37.1	
	1							
	18	40	4	55.6	1.1	6.0	6.1	
	18	40	4	1.2	59	10.9	11.1	

Pegasi (366B) 5.9 $22^h\ 55^m\ 30^s$ $+28^\circ\ 0'$

1878								
Nov. 24	20		2.1	6.1	18.0	15.4	Lost A +1	
Dec. 6	20		3	22.6	26.1	34.9	32.4	J. F. M. 12
	6							
7.5	16	20	3	53.2	57.1	5.1	3.8	
	16							
7.6	17	20	3	49.3	51.9	0.1	57.6	
	17	20						
7.4	~~18~~	~~20~~	~~3~~	~~48.8~~	~~51.3~~	~~58.9~~	~~57.4~~	
	18							
7.8	19	20	3	47.1	50.1	57.9	57.1	Rej. 1st in error
	19	Rej. double stroke of A_{-1}						

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1878nae.proj.1398R

Pegasi 5.9 ^{h}23 ^{m}27 ^{s}54 +20° 11

	1878			E	F	G	H	
6.7	Oct. 29	15	1	20.1	28.2	44.3	38.1	Rej, short strokes among 1st 8's
	29	15	0	13.1	21.1	36.6	32.3	
	Nov. 3	15	1	18.9	25.6	39.2	34.1	
	3	15	0	7.0	13.2	26.9	24.2	
	10	15	1	28.0	34.6	47.1	42.3	Rej A_{+2} + A_{-2}
	10	15	0	5.8	11.2	22.9	20.2	
	30	15	1	10.9	16.8	28.3	24.8	
	30	10	4	59.1	5.0	15.6	13.7	
	Dec. 1	15	1	27.0	32.5	43.1	41.1	
6.5	14	15	1	17.6	24.2	34.8	30.5	
	4	15	0	16.8	25.1	34.2	32.3	

Androm. (23B) 5.9 ^{h}23 ^{m}34 ^{s}42 +36° 3

	1878							
	Nov. 3	20	4	8.9	13.2	26.9	25.5	
	3	20	3	0.0	3.6	17.0	16.2	
	23	20	4	7.6	10.8	23.6	22.8	R
	23B							
5.8	24	20	4	7.0	11.1	22.9	21.4	
	24	20	2	57.3	0.7	12.7	12.9	
6.7	26	20	4	5.2	8.4	20.4	18.8	
	26	20	3	1.3	4.3	15.0	14.6	
6.5	Dec. 12	20	4	11.8	15.2	25.1	24.2	
	12	20	2	59.8	3.3	13.5	13.3	
	17	20	3	16.3	19.1	27.9	25.3	
	17	20	2	44.7	47.2	55.2	57.2	

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1878phae.proj.1398R

Cassiop. 5.9 $23^h\ 41^m\ 12^s$ +56° 47′

	1878			E	F	G	H	
				"	"	"	"	
6.0	Oct. 29	40	0	18.6	22.2	37.2	32.8	
	29	35	4	30.2	33.1	48.1	44.8	
	Nov. 3	40	0	36.1	38.6	51.4	48.4	
	3	35	4	38.8	40.2	52.7	50.7	
	5	35	4	57.8	57.6	6.2	5.4	Lost 1st 3 wires
	5	35	4	27.2	27.9	35.9	35.8	False strike in A − H
6.3	14	40	0	7.5	6.4	20.1	16.1	
	14	35	4	29.0	29.4	39.7	38.3	A_{+1} 2 etc.
6.1	Dec. 7	40	0	35.3	34.8	43.9	41.9	
	7	35	4	44.3	44.3	57.3	50.3	
6.2	12	40	0	29.4	30.7	41.4	39.1	
	12	35	4	34.5	35.3	44.4	43.0	

Androm. 5.7 $23^h\ 43^m\ 36^s$ +35° 46′

	1878							
6.9	Oct. 29	40	1	5.3	10.4	26.9	23.6	
	29	40	0	43.5	48.8	5.2	2.1	
	Nov. 3	40	1	31.2	36.1	51.5	48.7	
	3	40	0	31.7	37.0	50.2	49.5	
5.8	4	40	1	17.6	21.4	31.8	29.7	Rej. A — —
	4	40	0	32.0	36.1	46.6	45.3	
	6	~~40~~	~~0~~	~~40.8~~	~~43.9~~	~~53.8~~	~~52.6~~	~~A 4+5 + A −1~~
	6							g. 7. m. obs.
6.6	Dec. 7	40	1	46.8	48.9	59.8	56.9	
	7	40	0	41.3	43.5	53.7	57.6	
6.7	12	40	1	33.7	37.9	48.2	46.6	
	12	40	0	38.3	42.3	52.9	52.5	
6.4	14	40	1	8.6	12.3	22.9	20.7	Lost 1st 2 wires
	14	40	0	31.1	35.2	45.9	45.1	

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1878phae.proj.1398R

D.M. 4214		5.7	23h	49m	30s	+46°	41′	
	1878				E	F	G	H
16.6	Oct. 29	45	1′	20.″4	24.″9	40.″9	36.″4	
	29	45	0	5.0	9.7	24.8	21.6	
5.8	Nov. 4	45	1	26.9	30.4	39.9	35.9	
	4	45	0	14.0	16.8	26.0	25.7	
6.2	6	45	1	17.6	19.4	29.1	26.6	
	6	45	0	25.3	26.8	36.2	35.8	
6.0	12	45	1	4.9	7.9	22.8	20.2	
	12	45	0	9.6	12.8	27.9	25.9	
	18							
	Nov 23	45	1	9.3	12.0	23.8	23.1	
	26	45	1	14.2	16.4	27.8	25.6	
	26	45	0	2.9	5.2	15.2	14.9	
Pegasi (420 B)		5.9	23h	50m	36s	+21°	59′	
	1878							
	Nov. 3	25	3	25.7	32.3	42.8	40.9	Rej. A +2
	3	25	1	54.0	59.6	10.8	10.7	
6.6	5	25	3	27.9	34.1	40.9	39.9	
	5	25	1	55.9	0.8	7.3	8.7	
6.5	14	25	3	26.9	32.4	42.1	39.6	
	14	25	2	11.1	16.3	25.9	25.1	
5.8	24	25	3	22.9	29.3	39.1	36.4	
	24	25	2	10.9	17.1	25.7	27.0	
	30	25	3	33.6	39.7	49.3	48.9	
	30	25	2	14.7	20.1	28.9	29.5	
	Dec 1	25	3	19.4	24.5	32.8	32.4	3 strokes last δ
	1	25	1	46.4	51.3	58.3	59.7	

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1878phae.proj.1398R

Androm. 5.5 $23^h\ 53^m\ 24^s$ +33° 4'

	1878			E	F	G	H	
6.2	Oct. 29	20	3	53.6	58.3	15.1	11.2	
	29	20	2	38.4	42.7	0.2	56.0	
	Nov. 5	20	3	41.6	45.1	56.0	54.3	Close double, mean δ
7.0	5	20	2	25.1	29.1	38.1	37.0	+ R.A.
7.0 7.5 7.5	14	20	3	15.6	19.2	31.4	28.7	
	14	20	2	28.4	32.2	44.7	42.0	
8.3 8.2	Dec. 8	20	3	43.0	45.1	53.9	50.9	Mean δ + R.A.
	8	20	2	36.9	39.0	47.4	46.1	
8.2 8.2	14	20	3	54.7	58.2	8.8	6.7	Mean δ + R.A.
	14	20	2	35.1	37.6	48.7	47.1	
6.6	~~16~~	~~20~~	~~3~~	~~39.6~~	~~42.5~~	~~53.1~~	~~50.7~~	Dec. 16 20 3 53.1 55.4 4.1 30
	~~16~~	~~20~~	~~2~~	~~41.3~~	~~43.5~~	~~54.2~~	~~52.4~~	Reg. A +2

D. M. 4538 5.9 $23^h\ 54^m\ 36^s$ +44° 35'

	1878							
	Nov. 3	50	2	28.6	31.6	47.6	43.4	
	3	50	1	26.8	30.3	43.6	42.0	
6.3	4	50	2	34.6	37.1	47.7	44.1	
	4	50	1	28.7	31.6	41.0	38.9	
	~~Dec. 6~~ 6	~~50~~	~~2~~	~~30.9~~	~~31.8~~	~~41.9~~	~~41.1~~	f. 7 m. obs.
	7	50	2	27.8	30.6	37.3	36.2	R.
	7							
7.0	11	50	2	15.9	19.1	30.5	27.9	
	11	50	1	13.2	16.4	27.3	26.8	
5.8	12	50	2	10.8	13.1	24.6	22.2	
	12							
7.0	18	50	2	18.9	20.8	29.6	29.0	
	18	50	1	22.6	35.1	32.8	32.2	

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1878mae.proj.1398R

Pegasi (435 B) 5.9 ^{h}23 ^{m}57 ^{s}6 +16° 52′

	1878			E	F	G	H	
	~~Nov. 293~~	30	3	37.9	44.3	58.0	53.1	
	~~293~~	30	2	29.2	35.3	49.1	45.2	
6.1	4	30	3	48.1	53.7	3 9	59.5	Rej. A −2
	4	30	2	33.9	38.9	49.8	45.7	
6.8	5	30	3	20.0	26.8	37.2	31.9	
	5	30	2	41.2	37.2	57.0	54.3	
6.3	6	30	3	54.2	59.1	10.6	5.5	
	6	30	2	37.7	42.8	53.9	50.2	
	12	30	3	36.3	430	59.0	53.9	
	12							
6.8	14	30	3	52.7	58.1	10.8	6.1	
	14	30	2	33.2	38.5	52.3	47.3	

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14.2
12.2

38.4
4

39.8 40.8
40.8 41.1
51.9 52.2

40.2
41.2
52.8

39.9
40.2

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