1872phae.proj.1391

KG
11366
v.387

General Catalogue

Circle Readings - Explanatory Remarks

A6 1874-5.

From 20h 8m to 23h 59m.

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A6
1874-5

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41-11

Q Aquilae $20^h 8^m 24^s$ $+14^\circ 49'$ 1.2X.2b

1874

Sept.	12	30	4	51.1	10.2	0	28.4	48.1
	14	30	4	48.4	7.0	0	16.1	35.4
Oct.	3	30	4	48.8	4.9	0	33.9	50.7
	11	30	4	49.0	3.7	0	32.6	50.4

(8)

1875

Sept	14	15	1	13.9	28.5	2	9.9	23.5
Oct	4	15	2	4.9	19.4	2	36.4	50.9
	5?	15	over 1	8.3	22.9	2	1.2	16.6
	20	15	1	34.3	46.7	2	20.8	31.3
	21	15	1	7.1	20.9			

lost A_1

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1874phae.proj.1391.

N. H. Capricorni $20^h\ 11^m\ 5^s\ -12^\circ\ 56'\ -.23$

2

1874

Sept 12	15	1	47.6	11.0	2	31.0	34.6	d_1
14	0	4	6.0	26.9	4	54.2	16.9	d_2, 5 wires in A. R. of d_1,
Oct. 3	15	4	1.1	19.4	4	45.4	6.0	lost 1st wire
11	15	4	11.9	31.2	4	52.0	12.9	

(8)

1875

Sept. 14	55	3	9.5	23.3	4	13.4	27.0	a_1
Oct. 4	55	3	6.5	21.0	3	59.7	14.1	a_1'
5	55	3	14.6	29.4	4	2.2	17.4	a'
	~~45 1 53.3~~							
20	55	3	5.9	17.4	4	11.0	22.0	
21	55	3	19.0	30.8	4	26.1	39.4	

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Get next star

κ Cephei 20h 13m 45s + 77 20 + 4 45

(Get next star very quick)

1874

Sept. 12	5	0	10.4	20.9	0	37.5	47.7	
14	5	0	27.9	38.1	0	37.0	46.5	
Oct. 3	5	0	31.0	39.0				lost last wire
11	5	0	15.7	24.1	0	31.5	40.8	

(f)

1875

Sept. 14	45	1	35.5	53.5				
Oct. 4	45	1	28.9	48.9	1	42.1	0.9	
5	45	1	41.1	2.1	1	49.4	10.5	
19	45	1	533	97				m.w. spoil next # very quick
20	45	1	34.1	51.0	1	50.7	6.9	false obs. Jpr.
21	45	1	26.7	46.9	1	44.8	3.9	

Get next star

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1874phae.proj.1391.

β Capricorni $20^h 13^m 59^s$ $-15^\circ 10' .2$

(6) 1875

Sept. 14	15	0	0.0	15.1	0	50.9	6.4
Oct. 4	15	0	0.3	15.5	0	0.3	15.3
5	15	0	0.9	17.3	0	43.6	0.0

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1874phae.proj:1391.

B.A.C. 7008 $20^h 15^m .42^s$ $+39^\circ 01'$ +.81

52 57

1874

Sept.	12	20	3	41.3	55.6	4	33.9	47.6
	14	20	3	37.2	50.0	4	22.2	36.1
Oct.	3	20	3	37.9	49.0	4	13.2	24.8
	11	20	3	43.7	55.5	4	29.5	41.9
	12	20	3	46.8	59.7	4	29.1	41.4

(7)

1875

Sept.	14	?	0	4	0.4	18.9	0	54.1	12.9
Oct.	4		5	0	10.0	29.0	0	53.0	12.8
	5		0	4	58.6	18.7	0	38.9	5.1
	19		5	0	9.3	23.8			
	20		5	0	9.2	24.7	0	37.9	52.9
	21		5	0	7.0	25.0	0	48.8	6.2

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1874phae.proj.1391.

γ Cygni $21^h\ 17^m\ 45^s\ +39^\circ\ 57'\ +0.84$

1874

Sept. 12	30	2	47.3	3.2	3	42.3	56.4
14	30	2	46.2	1.1	3	27.4	40.6
Oct. 3	30	2	47.6	59.7	3	38.4	49.6
11	30	2	48.9	0.9	3	31.1	43.5
12	32	2	48.1	0.4	3	43.3	54.0

(7)

1875

Sept. 14	10	4	25.9	44.2	0	6.6	24.7
Oct. 4	10	4	13.9	32.5	0	4.7	24.3
5	10	4	9.2	28.5	0	4.0	23.4
19	10	4	24.9	40.6			
20	10	4	14.7	29.7	0	5.5	20.9
21	10	4	15.1	32.6	4	59.8	16.5

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1874phae.proj:1391.

π Capricorni 20h 20m 10s ~~+~~ − 18° 37′ − .34

1874

Sept.	12	55	4	47.8	11.2	0	43.9	8.9
	14	55	4	54.8	16.9	0	25.6	46.9
Oct	3	55	4	54.5	15.0	0	49.7	10.9
	11	55	4	57.5	18.4	0	51.0	3.7
	12	55	4	0.7	21.1	0	53.1	14.2

(1)

1875

Sept.	14	40	1	16.5	33.0	2	19.4	33.7
Oct.	4	40	1	26.7	42.2	2	9.8	25.4
	20	40	1	31.1	43.1	2	21.5	32.9
	21	40	1	23.2	36.4	2	9.9	23.7

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1874phae.proj.1391.

α Capricorni $20^h\ 21^m\ 48^s\ -18^\circ\ 13'\ -33$

1874								
Sept.	12	35	1	15.9	38.7	2	18.9	41.1
	14	35	1	18.2	40.9	1	52.3	13.2
Oct.	4	35	1	24.9	43.7	2	10.0	27.4
	11	35	2	11.1	30.6	1	58.9	16.5
	12	35	2	9.3	26.8	2	30.6	55.9
(7)								
1875								
Sept.	14	15	2	44.4	57.4	3	50.8	4.5
Oct.	4	15	2	51.6	6.1	3	47.6	2.0
	19	15	2	54.6	8.8			
	20	15	2	44.1	55.8	3	38.3	49.6
	21	15	2	48.8	2.6	3	19.4	33.0
Nov.	6	15	3	25.1	31.1			

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1874phae.proj:1391.

60 83

41 Cygni 2d. 2h 24m 16s +29° 5' ++.5 y

1874

Sept	12	25	1	56.0	11.8	2	53.3	8.9	
	14	25	2	0.7	15.1	2	39.1	52.1	
Oct.	4	25	2	3.5	15.0	2	58.2	9.8	
	11	25	1	57.1	10.7	2	50.5	3.0	
	12	25	1	59.9	12.6	2	51.9	5.0	lost 1st ⅓ wire

(7)

1875

Oct	4	5	3	13.1	32.9	4	9.5	29.1
	20	5	3	33.6	49.9	4	10.3	26.6

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1874phae.proj.1391.

ε Delphini $20^h\ 27^m\ 14^s$ +10° 53′ +.19

1874

Sept.	12	30	1	1.6	20.4	1	55.3	14.8
	14	30	0	56.5	14.9	1	50.3	9.4
Oct.	3	30	0	1.0	15.5	1	48.3	3.7
	4	30	0	55.8	11.6	1	53.9	8.8
	11	30	1	4.2	20.2	1	55.1	11.9
	12	30	0	1.1	17.1	1	56.3	12.6

(6)

1875

Sept.	~~14~~	10	2	26.1	41.5	3	17.3	32.3	
Oct.	4	10	2	23.3	40.2	3	13.7	28.8	
	19	10	2	32.8	45.6				
	20	10	2	23.6	37.0	3	16.2	30.9	
	21	10	2	30.9	45.8	3	13.2	27.9	
	25	10	3	13.8	26.5				5 wires

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1874phae.proj.1391.

γ Delphini $20^h 29^m 2.8^s$ + 14° 15′ +.25

Get ~~two readings~~

1874

Sept. 12	5	4	10.9	29.4	4	57.9	17.4	
14	5	4	10.1	27.1	4	46.9	8.2	
Oct. 4	5	4	13.0	26.8	4	52.1	8.7	
11	5	4	17.4	33.8	0	5.9	23.0	
12	5	4	32.3	48.1	0	25.7	43.8	lost 1st ½ wire

1875

Sept. 14	50	0	31.8	46.7			
Oct. 4	50	0	46.5	1.9			
19	50	0	34.2	46.9			
20	50	0	40.5	52.1			
21	50	0	33.1	48.4			lost A −1
25	50	0	35.2	49.1	1	36.3	49.5

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1874phae.proj.1391.

Gr. 3241 h m s 20 30 82 +72° 6' +3!0
1874

Oct. 4	15	3	58.7	5.5				md. w. + foll.
11	15	3	59.2	5.9				last 2 wires
12	15	3	1.0	9.7				

(3) 1875

Sept. 14	0	0	8.0	26.2	0	24.6	44.2	next ✕ Quick
Oct. 4	0	0	2.7	22.4	0	26.4	46.0	
20	0	0	9.2	26.2				

no more

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1874phae.proj.1391.

β Delphini 20h 34m 41s +14° 10′ +25

1874

Oct. 4	10	4	6.9	22.5	4	50.9	7.0
11	10	4	21.0	37.1	4	1.5	17.7
12	10	4	50.3	7.0			

(3) 1875

Oct. 19	55	0	30.0	42.8			
20	55	0	31.3	44.2	1	26.9	38.9
21	55	0	33.6	46.5	1	19.5	32.9

no more

γ3 Draconis 17h 53m 8s +71° 9′ 2″ +3.62

1874

Oct. 4	50	3	42.1	49.7	3	0.0	6.1
11	50	3	41.5	48.2	3	56.2	3.9
12	50	3	42.0	50.2	3	58.1	7.0

(3) 1875

Oct. 4	35	0	2.0	21.2	0	15.7	34.0
19	35	0	18.8	35.4		Last 4 w	
20	30	4	57.3	14.5	0	18.7	36.0

no more

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1874phae.proj.1391.

α Cygni $20^h 37^m 10^s$ $+44^\circ 50'$ +.99

1874

Oct. 11	30	4	24.7	36.0	4	56.7	8.2	
22	30	4	19.1	30.8	4	3.2	15.3	

~~4~~ (10)

1875

Oct. 4	15	0	51.4	11.4	1	25.8	45.1	
19	15	1	10.8	26.3				9 w
20	15	0	50.8	7.3	1	27.1	43.9	
25	15	0	41.2	59.1	1	25.0	44.2	
27	15	0	42.9	58.9	1	31.5	47.9	lost 1st wire

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1874phae.proj.1391.

ε Cygni 20h 41m 9s +33° 30' +.66

1874

Oct. 4	50	4	2.1	15.1	4	55.9	8.5
11	50	3	56.1	11.9	4	49.6	3.0
12	50	4	36.4	48.9	4	56.5	13.7
21	50	3	0.5	11.9	4	42.9	55.1
22	50	3	1.6	14.7	4	51.7	5.1

(7)

1875

Oct. 4	35	0	15.9	34.7	0	55.0	13.0
19	35	1	8.3	22.4			
25	35	0	22.2	40.2	1	6.5	25.0
27	35	0	41.1	56.5	1	9.8	24.5
Nov. 9	35	0	31.9	40.7	1	17.3	25.5

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1874phae.proj.1391.

(2) Erphei α_0 2h 42m 45s +61° 21' +1,83

1874

Oct. 4	0	3	45.2	52.6	4	15.9	22.9
11	0	3	46.8	54.9	4	13.8	21.2
12	0	3	45.2	53.6	3	6.7	15.9
21	0	3	35.8	43.7	3	2.7	11.2
22	0	3	35.8	46.5	4	7.3	17.4

(7) 1675

Oct. 4	40	4	52.5	13.4	0	25.0	45.4
20	40	4	56.2	14.2	0	24.1	42.3
25	40	4	53.1	12.5	0	20.4	39.9
27	40	4	59.5	17.3	0	20.9	36.8
Nov. 9	45	0	10.2	20.9	0	40.7	57.2

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1874phae.proj.1391.

ω Aquarii 20 h 45 m 55 s − 9° 27′ − .1″

1874

Oct. 4	50	0	10.5	28.8	1	15.8	32.9	5 wires
6	50	0	49.1	5.7				
10	50	0	28.0	45.2	1	34.0	51.8	
11	50	0	23.2	43.6	1	29.1	48.7	
12	50	0	23.3	42.9	1	14.7	34.3	
15	50	0	20.7	38.2	0	2.8	18.9	
21	50	0	21.5	31.9	1	7.6	24.9	
22	50	0	21.5	40.4	1	4.6	21.9	

(10) 1875

Oct. 4	30	1	43.0	56.9	2	48.8	2.0	lost 1st ½ wire
~~13~~	~~30~~	~~1~~	~~51.7~~	~~2.0~~	~~2~~	~~18.9~~	~~27.9~~	~~lost 1st ½ wire~~
19	30	1	44.7	55.5	2	25.9	37.7	
20	30	1	47.5	57.9	2	39.1	49.9	
25	30	1	46.9	58.7	2	45.0	57.1	
27	30	1	45.2	55.9	2	26.8	36.5	
Nov. 9	30	1	44.2	52.3	2	31.0	33.5	

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32 Piepeculae $20^h\ 44^m\ 14^s$ $+27^\circ\ 35'$ +5.2

1874

Oct. 10	45	4	45.1	53.7				6 wires
11	45	3	3.2	15.1	4	55.1	8.0	
12	45	4	11.4	22.4	4	48.1	59.7	
15	45	4	7.1	16.2	4	58.3	8.4	
20	45	4	36.8	45.1				5 wires
21	45	4	15.3	26.4	4	0.0	11.1	false rattle before A_{-1}
26	45	4	22.3	35.5	4	57.9	10.9	

(5) 1875.

Oct. 4	30	0	28.3	47.5	1	26.5	45.8
19	45	0	26.2	44.9	1	35.6	52.9
20	30	0	21.1	39.2	1	12.0	28.1
25	30	0	25.2	44.8	1	17.2	35.0
27	30	0	27.0	43.9	1	19.3	35.7

no more

General Catalogue – Circle Readings
A 7-12
(A 1-6)

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~~Σ^2 Cygni 20 $\frac{1}{5}$ $\frac{2m}{5}$~~ 20 h m s

1874 76 Draconis 20 51 31 82° 4' +7.1"

Oct.	10	20	1	19.1	—	1	34.9	38.8
	11	20	1	18.3	24.5	1	41.2	47.5
	12	20	1	25.7	32.9	1	46.7	52.5
	15	20	1	28.9	29.1	1	37.5	43.4
	16	20	1	30.5	36.6	1	43.2	49.9
	20	20	1	25.0	26.8	1	36.8	40.5
	21	20	1	26.7	33.0	1	44.5	49.9
	22	20	1	23.0	32.2	1	37.7	46.3
	26	20	1	21.8	30.6	1	36.3	45.4

(9) 1875

Oct.	4	0	2	46.6	8.9	2	0.2	21.8
	13	0	2	46.3	2.7	2	58.0	14.2
	19	0	2	49.4	9.5	2	54.5	14.8
	20	0	2	42.0	0.8	2	54.1	12.8
	25	0	2	40.0	3.0	2	49.8	11.8
	27	0	2	43.5	2.4	2	52.7	11.5
Nov.	9	0	2	42.4	55.2	3	57.8	9.8

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~~B.A.C. 7294 20d 54m~~

B2 2749 20h 53m 12s +80° 5' +5.72

1874

Oct. 10	20	0	23.8	27.5	0	35.5	39.9	
11	20	0	26.0	31.4	0	42.2	47.8	
12	20	0	30.9	38.4	0	45.7	50.5	
15	20	0	28.2	32.6	0	42.6	46.2	
18	20	0	28.7	34.6	0	45.7	51.3	
20	20	0	29.5	32.3	0	46.2	49.4	
21	20	0	30.9	34.7	0	42.5	47.2	
22	20	0	24.1	32.4	0	36.9	44.0	
26	20	0	26.3	34.6	0	37.6	45.9	

(9) 1875

Oct. 4	0	1	56.9	17.9	2	4.5	24.1 lost 1st ∴ once
~~13~~	~~0~~	~~1~~	~~8 47.0~~				
13	0	1	57.1	12.2	2	6.8	20.1 rej. 1st ∴ stroke for δ
19	0	1	41.9	0.4	1	55.5	13.3
20	0	1	45.2	2.1	1	56.3	14.2
25	0	1	37.6	57.4	1	45.4	6.1
27	0	1	41.7	0.1	1	50.6	8.4
Nov. 9	0	1	50.3	0.9	2	4.8	15.8

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1874phae.proj.1391.

η Capricorni $20^h 57^{m.5}\ 17 \quad -20^\circ 21' \ldots$ 37

1874

Oct. 10	40	4	4.5	20.9				md. wires
11	40	3	23.2	43.7	4	17.2	37.2	
12	40	3	27.0	46.4	4	19.2	39.3	
15	40	3	29.8	47.1	4	23.6	40.9	
18	40	3	28.7	47.3	4	16.3	35.0	
21	40	3	34.1	49.9	4	11.3	29.1	
22	40	3	31.7	50.0	3	0.8	18.7	
26	40	3	32.3	51.4	4	36.5	53.1	

(10)

1875

Oct. 4	25	0	2.1	16.8	0	44.3	59.8	
~~18~~	20	4	55.9	6.8	0	45.4	53.9	
18	25	0	34.2	48.0	1	4.8	22.2	
19	20	4	59.1	11.9	0	49.2	2.1	
27	25	0	0.7	13.1	0	52.9	4.7	
Nov. 9	20	4	54.6	0.3	1	8.0	14.1	

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1874phae.proj.1391.

L.G. 67 98

σ^2 Neu Maj' No 55 22 ;7222 ** — 243

1874

Oct. 10	5	1	7.5	12.2	0	38.8	43.4	
15	5	0	54.0	57.8				lost 1st 3 wires. 6th wire?, Obs.?.
18	5	0	1.1	7.1				
21	0	1	8.8	13.9	0	46.0	49.9	~~Nebe~~
22	5	1	2.3	11.2	0	46.8	55.3	
26	5	1	8.9	18.5	0	46.1	54.4	

(6) 1875

~~Oct. 13~~		~~45~~	~~2~~	~~34.7~~	~~55.3~~			
Oct. 27		45	2	15.6	38.5	2	6.1	27.4
Nov. 9		45	2	23.0	40.1	2	5.4	22.0

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1874phae.proj.1391.

61 Cygni 21h 1m 18 +38° 8' +.78

1874

Oct. 6	15	1	8.4	19.0	1	45.9	55.4
10	15	1	8.1	18.6	1	49.7	0.1
11	15	1	3.5	17.0	1	54.8	8.6
12	15	1	13.0	27.0	1	56.5	14.7
15	15	1	6.7	20.0	1	48.8	58.8
18	15	0	1.7	15.2	1	45.4	58.1
20	15	1	8.3	16.5	1	59.1	9.0
21	15	0	58.4	9.9	1	50.2	1.1
22	15	0	1.1	14.8	1	57.8	11.7
26	15	0	3.3	17.4	2	10.0	23.9

(2) 1875

Oct. 4	55	2	17.9	36.1	3	23.1	40.9
13	55	2	31.9	45.1	3	9.9	23.1
27	55	2	16.8	32.9	3	11.3	26.3
Nov. 9	55	2	26.8	36.1	3	13.3	22.0

No More -

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Equulei

γ Equulei $21^h\ 4^m\ 16^s$ $+9^\circ\ 38'$ +,17

1874

Oct.	6	45	0	1.0	14.6	1	46.0	58.6
	10	45	0	2.3	16.4	2	8.0	21.2
	15	45	0	6.4	18.6	1	49.4	2.9
	18	45	0	58.9	15.1	1	49.9	4.0
	20	45	0	3.7	14.9	1	58.2	9.6
	21	45	0	58.8	13.0	1	39.0	53.3
	22	45	0	56.0	11.3	1	49.1	4.8
	26	45	0	4.6	19.9	1	50.6	6.5

(10) 1875

Oct.	4	25	2	30.0	46.0	3	21.3	37.5
	13	25	2	21.0	32.7	3	19.6	30.8
	27	25	2	24.5	37.5	3	4.1	17.0
Nov.	9	25	2	24.7	31.3	3	9.0	16.0

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1874phae.proj.1391.

β Cygni 21h 27m 35s +27° 43′ .5″

Get next star!!!!

1874

Oct. 6	40	1	13.0	22.4	1	58.0	7.9
15	40	1	16.3	26.0	1	50.3	6.1
18	40	1	12.9	24.1	1	47.6	58.1
21	40	1	12.3	24.3	1	52.0	3.5
26	40	1	16.0	28.1	1	3.0	15.1

(7) 1875

Oct. 4	20	2	36.1	54.7	3	28.5	47.5
13	20	2	32.2	46.5	3	18.7	32.1
14	20	2	53.0	8.9	3	20.7	36.9
17	20	2	35.5	51.9			

ββ Draconis 21h 7m 58s +82° 8′ +4.″6

1874

Oct. 3	45	3	33.1	39.4	3	42.3	47.2
20	45	3	2.2	5.9	3	17.4	21.0
21	45	3	7.0	12.6	3	21.6	26.3

(3) 1875

Oct. 13	25	4	50.7	4.6			
27	25	4	12.6	27.9	4	46.8	3.2
Nov. 9	25	4	19.6	28.9	4	42.4	50.9

no more

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1874phae.proj.1391.

γ Cygni $21^h\ 9^m\ 48^s$ $+37°\ 31'$ +7.7

1874

Oct. 6	50	3	34.9	44.9	4		12.8	22.4
18	50	3	26.8	39.4	4		29.0	41.3
20	50	3	33.0	41.1	4		19.4	26.9
21	50	3	29.9	41.9	4		9.0	19.6
22	50	3	30.0	43.0	4		21.3	35.1
26	50	3	27.8	41.8	3		58.3	12.3

(6)

1875

Oct. 4	30	4	50.5	9.1	0		33.1	51.9
13	30	4	57.1	11.1	0		36.7	49.9
14	30	4	48.1	3.8	0		39.5	54.0
17	30	4	48.4	4.1	0		36.1	51.7
27	35	0	6.3	22.0	0		35.1	50.3
Nov. 6	30	4	50.4	58.5	0		29.0	38.4

no more

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1874phae.proj.1391.

57 7

σ Cygni 21h 23m +38° 53' +.8

1874

Oct. 3	30	1	55.5	8.0	2	35.8	47.6	
6	30	1	56.0	7.8	2	41.9	51.5	
18	30	1	56.8	9.9	2	45.4	57.4	
20	30	1	56.0	5.7	2	49.0	56.9	
21	30	1	57.9	9.4	2	48.1	59.4	
22	30	2	4.0	17.8	2	41.6	54.0	
26	30	1	58.4	11.4	2	49.7	1.9	

15

1875

Oct. 4	10	3	20.2	38.8	4	0.9	18.2	
13	10	3	26.8	40.7	4	9.7	21.7	
14	10	3	14.9	27.9	4	7.5	20.8	
17	10	3	12.0	26.8	4	14.9	28.6	
27	10	3	7.9	22.0	4	1.0	15.8	

no more

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1874phae.proj.1391.

ζ Cephei $21^h\ 15^m\ 36^s$ $+62^\circ\ 3'$ + 1.89

1874

Oct.	3	20	1	27.7	36.4	1	59.0	8.2
	6	20	1	34.0	41.3	2	2.2	9.9
	16	20	1	16.5	25.0	1	57.6	6.7
	20	20	1	13.9	28.5	1	44.1	48.2
	21	20	1	27.9	35.8	1	2.8	9.9
	22	20	1	25.0	35.9	1	52.8	2.9
	26	20	1	19.9	29.0	1	55.2	4.9
~~Nov.~~	~~7~~	~~20~~	~~1~~	~~32.6~~	~~39.6~~			

(6)

1875

Oct.	4	0	2	28.1	47.6	3	5.6	24.6
	13	0	2	48.1	2.1	3	11.4	23.7
	14	0	2	43.1	58.1	3	21.2	37.0
	17	0	2	46.7	1.9	3	17.7	33.1
Nov.	6	0	2	43.8	53.3	3	12.2	21.0
	9	0	2	39.3	50.1	3	11.9	22.1

No More

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1874phae.proj.1391.

L.6.

1 Draconis (16) 21h 18.7m 8s +80° 03' examine 8"

98.0

101 07

1874

Oct. 3	40	3	7.0	11.4	3	24.7	28.9	perhaps
18	40	3	4.2	9.4	3	18.1	21.3	
22	40	3	16.0	21.8	3	22.2	28.0	lost 1st wire
26	48	3	14.0	20.3	3	20.9	26.0	lost 1st wire

Probably this year's observations are wrong observed above pole

(8)

1875

Oct. 14	~~20~~	~~4~~	24.0	41.1	~~4~~	~~36.1~~	~~51.8~~	
Nov. 9	0	0	7.0	19.9				lost 1st 3 wires

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1874phae.proj.1391.

b Capricorni $21^h\ 21^m\ 35^s\ -22^\circ\ 21'\ -41''$

1874

Oct.	3	40	3	23.4	42.7	4	17.5	36.4
	6 (?)	35	3	1.9	19.6	4	10.4	27.4
	18	10	3	30.4	50.3	4	26.5	40.5
	22	40	3	33.1	51.7	4	22.2	41.1
	26	40	3	31.1	50.7	4	17.5	37.0
~~Nov.~~	~~7~~	~~10~~	~~3~~	~~36.7~~	~~52.9~~			
	8	40	4	20.8	40.0			

(6) 1875

Oct.	13	20	4	53.4	4.2	0	44.7	55.1
	14	20	4	54.3	7.9	0	50.2	2.8
	17	20	4	54.9	7.7	0	56.1	8.6
Nov.	9	20	4	54.5	59.5	0	42.5	46.4

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1874phae.proj.1391.

+70 23

24-d Mer May Lb. 31 h m s 0 ' " +52 15 +1.30 = 280

23 23 109 38

1874

Oct 3	50	0	2.1	7.5	4	34.1	39.1
22	45	4	57.3	3.3	4	40.1	47.7
26	50	0	2.9	10.6	4	42.7	49.1
~~Nov 7~~	~~45~~	~~4~~	~~43.8~~	~~45.8~~			
Nov 8	45	4	32.8	35.3			

A+1

(8) 1875

Oct. 14.	30	0	58.9	18.1	0	42.5	0.8	lost 1 of 2 wires
17	30	1	14.2	34.5	1	0.8	19.9	
Nov. 9	30	1	25.9	40.4	1	1.2	15.5	

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1874phae.proj.1391.

β Aquarii 21h 24m 5s -6° 7' -11

1874

Oct. 3	30	1	15.6	34.5				5 wires
18	30	0	35.4	52.7	1	26.9	44.7	
22	30	0	32.2	50.0	1	20.9	38.6	
26	30	0	33.5	52.8	1	23.2	41.6	

1875

Oct. 13	10	1	46.8	56.7	2	38.0	47.9	5 wires, lost the 1st one
14	10	2	40.7	51.1				
17	10	1	54.0	6.3	2	43.0	54.9	

No more

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1874phae.proj.1391.

β Cephei $21^h 25^m 2^s +70^\circ 1' +2.7$

1874

Oct.	3	20	4	14.8	21.9	4	38.9	46.9
	22	20	4	18.0	26.3	4	36.6	45.9
	26	20	4	12.9	21.6	4	30.8	40.9
Nov.		21	4	21.3	26.6			

(8) 1875

Oct.	13	5	0	38.9	43.1	1	0.7	14.1
	14	5	0	32.5	47.0	1	1.8	16.0
	17	5	0	30.2	46.0	0	57.9	12.8
Nov.	9	5	0	23.7	32.9	0	55.2	4.1

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1874phae.proj.1391.

4458

Q Cygni $21^h 29^m 16^s$ $+45^\circ 02'$ +1.00

1874

Oct. 3	20	1	3.1	14.8	2	42.9	54.4
18	20	1	2.6	13.9	2	41.7	53.3
Nov. 8	20	1	0.9	8.9			

(3) 1875

Oct. 13	0	3	21.6	35.2	4	9.0	22.0
14	0	3	13.1	27.8	3	53.1	8.0
17	0	3	14.2	30.0	4	9.6	24.2

no more

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1874phae.proj.1391.

ξ Aquarii 21h 31m 06s −8° 25′ −.15

1874

Oct. 3	45	3	2.1	19.5	3	59.0	15.9
18	45	2	55.8	14.1	3	49.7	8.4
Nov. 8	45	3	17.1	36.0	4	17.5	35.6

(3) 1875

Oct. 13	25	4	28.9	38.2	0	10.5	20.4
14	25	4	36.0	46.1	0	23.8	34.7
17	25	4	26.1	37.1	0	8.2	20.0

no more

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1874phae.proj.1391.

ζ Capricorni $21^h 33^m 8^s$ $-17^\circ 14' - 31$

1874

Oct.	3	35	1	20.1	40.0	2	7.2	21.2
	6	40	3	12.4	29.7			
	18	35	1	25.1	44.7	2	16.5	35.8
Nov.	8	35	1	23.0	44.2	2	13.1	32.1

(8)

1875

Oct.	14	15	2	41.0	52.9	3	30.3	42.5
	17	15	2	39.0	51.5	3	24.5	38.1
Nov.	9	15	3	34.6	40.2		Rej. 1st	S

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1874phae.proj.1391.

ε Capricorni 21h 35m 40s & −19° 26′ .35

1874

Oct. 3	45	3	37.4	56.3	4	27.2	45.8	
18	45	3	41.9	59.9	4	44.1	2,4	
Nov. 8	45	3	45.9	7.0	4	34.5	54.3	
10	45	3	49.1	6.3				

(8) 1875

Oct. 13	30	0	27.9	39.8	1	4.7	13.9	
14	30	0	59.7	11.7				lost A +1
17	30	0	19.7	32.3	1	10.2	22.0	
Nov. 9	30	0	2.4	8.2				

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1874phae.proj.1391.

2 Pegasi $21^h 38^m 3^s$ $+9^\circ 18' + .16$

1874

Oct. 3	5	0	26.9	41.9	1	23.7	38.9	
6	5	0	31.1	45.3	1	22.0	35.4	
18	5	0	29.0	44.7	1	29.0	44.9	
Nov. 4	5	0	38.2	50.9	1	24.2	38.4	
7	5	0	31.6	45.8				
8	5	0	30.1	46.1	1	35.1	50.1	51
10	5	1	30.1	45.2				

Rej 1.51 ✓

(5) 1875

Oct. 13	45	1	49.6	1.9	2	55.6	6.8
~~45 0 47.9~~							
14	45	1	56.8	9.4	2	51.4	3.9
17	45	1	48.9	2.2	2	34.4	48.2
~~45 0 48.2~~							
28	45	1	51.8	4.5			
Nov. 9	45	1	59.7	6.9			

No More

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1874phae.proj.1391.

ζ Capricorni $21^h\ 40^m\ 07^s$ $-16^\circ\ 41'\ .30$

Get next star

1874

Oct. 3	0	4	23.9	41.9	0	8.0	27.1
18	0	4	33.8	51.1	0	24.9	45.1
Nov 10	0	4	31.1	48.7			

(3) 1875

Oct 13	45	0	47.9	57.7	1	40.2	49.6
14	45	0	49.7	1.3	1	52.0	3.0
17	45	0	48.2	1.2	1	35.9	48.8

no more

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1874phae.proj.1391.

11 Cephei $21^h\ 40^m\ 5^s$ $+70^\circ\ 44'$ +28 6

1874

Nov.	4	40	0	56.9	1.2	1	18.1	22.7
	7	40	0	1.0	8.5	1	30.0	37.7
	8	40	0	50.9	58.4	1	17.9	25.5
~~10~~		~~40~~	~~0~~	~~50.3~~				

(3)

1875

Nov.	4	20	2	16.5	23.2	2	36.8	45.2
	9	20	2	14.6	22.7			

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1874phae.proj.1391.

T_2 Cygni $21^h 42^m.11^s$ $+8° 44' 1''.14$

1874

Oct 3	40	0	48.1	57.0	1		21.8	30.2
18	40	0	37.4	46.1	1		23.7	32.3
Nov. 4	40	0	32.0	39.4	1		16.9	22.0
7	40	0	39.6	46.8	1		25.1	34.1
8	40	0	32.8	41.7	1		19.7	28.1
10	40	0	50.3	0.2				

(6) 1875

Oct 13	20	1	51.5	6.1	2		35.9	50.0
14	20	1	43.7	58.9	2		26.3	42.9
17	20	1	53.0	9.4	2		34.7	50.9
Nov. 4	20	1	45.5	54.1	2		39.5	47.9

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1874phae.proj.1391.

14 Pegasi 21h 44m 56s +29° 36' 5"
60 24
0 1
44 18

1874

Oct. 18	45	3	28.8	40.9	4	25.9	36.9	
Nov. 4	45	3	33.4	41.9	4	19.0	26.1	
7	45	3	30.5	41.6	4	21.6	31.9	
8	45	3	37.0	48.2	4	20.5	30.4	
10	45	3	45.2	54.8				

(7)

1875

Oct. 13	25	4	50.8	3.3	0	39.9	54.7	
14	25	4	49.9	5.0	0	45.5	1.2	
17	30	0	8.5	25.4				5 wires

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1874phae.proj.1391.

u Capricorni $21^h 46^m 27^s$ $(-14^\circ 8' - 25'')$ (One reading)

1874								
Oct. 18	35	1	23.6	44.1	2	14.9	32.7	
Nov. 4	30 one	1	19.5	37.5				
7	30	1	17.8	37.8	2	20.9	39.2	
8	30	1	46.0	7.2	2	24.1	45.0	rej. 1st & 8
10	30	1	19.6	38.8				

Vert. H

(7)

1875								
Oct. 13	10	2	40.5	50.4	3	30.0	29.6	
17	10	2	40.2	51.7	3	21.1	33.8	One reading
Nov. 8	10	2	46.9	50.9				
11	10	3	31.4	39.8				rej. 1st & 8

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1874phae.proj.1391.

16 Regasi $21^h 47^m 22^s +25^\circ 20' +47$

1874

Nov. 4	0	3	54.1	3.0	4	42.5	57.3	
7	0	4	20.4	30.9				5 wires, 1st wire?

(4)

1875

Oct. 14	45	0	8.0	22.8	0	56.9	11.1	
Nov. 4	45	0	28.5	36.3	1	17.0	23.9	
8	45	0	47.2	56.5				5 wires

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1874phae.proj.1391.

3422

B.A.C. 7636 21h 48m 5s.4 +55° 38' 1".4

1874

Oct. 16	45	2	26.3	34.0	2	57.4	5.3	
Nov. 4	45	2	12.3	18.1	2	40.0	45.3	
7	45	2	27.3	35.9	2	1.1	8.9	
8	45	2	14.5	21.9	2	44.3	53.1	
10	45	2	24.5	34.2				

(7)

1875

Oct. 14	25	3	32.9	47.9	4	8.8	23.0	~~8.0 mag~~ clouds
17	25	3	21.8	38.4	4	1.9	18.0	
20	25	3	16.8	32.4	4	3.0	18.9	
Nov. 8	25	3	28.9	39.9	4	6.8	17.4	
11	25	3	25.8	38.4	4	6.7	18.8	

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1874phae.proj.1391.

3358

μ Cephei $21^h\ 30^m\ 40^s$ $+56°\ 02'$ +1.48

1874 One reading

Oct. 18	20	3	27.1	35.7	4	3.4	11.9	~~58.0~~
Nov. 2	20	3	22.8	27.3				rej A +1
7	20	3	26.1	35.1				
8	20	3	16.1	23.5				rej. A +1
10	20	3	58.3	7 8				

(7) 1875

Oct. 14	0	4	44.2	58.0	0	21.0	37.5	
17	0	4	37.0	52.1				9 wires
20	0	4	18.3	34.3	4	49.1	5.9	
Nov. 8	0	4	58.7	9.3				
11	0	4	28.4	40.0				5w. rej A +1

γ² Draconis $21^h\ 51^m\ 19^s$ $+73°\ 0'$ +3.29

1874

Oct. 18	15	3	51.8	58.0				lost 1st wire
Nov. 4	15	3	51.1	55.9				
7	15	3	50.4	56.9	3	2.1	8.9	3rd wire & foll
8	15	3	50.5	57.1	3	59.8	7.9	

(8) 1875

Oct. 14	0	0	10.2	24.4				A
17	0	0	9.2	24.4	0	18.3	33.1	lost 1st wire
20	0	0	2.8	17.1	0	16.8	30.7	lost 1st three wires
25	55	4	59.8	16.9				
Nov. 4	0	0	6.4	13.5	0	19.9	25.9	
8	0	0	6.6	5.4				md. wire & foll.
11	55	4	59.2	10.8	0	12.2	23.5	lost 1st wire

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1874phae.proj.1391.

ν Piscis Australis 21h 43m 38s −29° 8′ .56

1874

Nov.	7	20	4	41.9	58.2	0	28.0	45.9
	8	20	4	57.9	16.8	0	41.9	60.1
	10	20	4	5-5.7	11.6			
	18	25	0	8.9	23.2			

(8)

1875

Oct.	14	5	1	9.6	22.3	2	3.0	15.9
	17	5	1	9.7	24.5	1	54.1	5.1
	20	5	1	9.7	22.9	1	54.8	8.5
Nov.	4	5	1	10.0	16.7	2	2.4	8.8
	8	5	1	15.0	22.6	1	47.9	54.7
	11	5	1	22.0	32.5	2	14.0	23.1

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1874phae.proj.1391.

σ Aquarii $21^h\ 56^m\ 48^s - 2^\circ\ 45'\ -05$

1874

Oct	6	5	3	54.9	11.4	4	48.1	4.9
	10	5	3	57.5	12.9	4	50.7	6.8
	18	5	3	55.0	12.5	4	45.8	2,0
Nov.	4	5	3	53.3	8.9	4	45.8	0,6
	7	5	3	55.1	12.3	4	42.4	59.3
	6	5	4	43.6	59.2			
	18	5	3	54.5	10.2			

A. 2, 3, 4, 5

(5) 1875

Oct. 14	50	0	16.5	28.9	1	1,0	13.8
17	50	0	10,3	24.9	1	2,5	15.3
20	50	0	27,2	41.5	1	4.0	16.4
Nov. 4	50	0	22,7	27.2	1	5.0	10,9
11	50	0	17.8	27.1	1	19,1	28.2

no more

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1874phae.proj.1391.

ζ Aquarii 21h 59m 22°-0 56'-.02

1874

Oct.	4	15	4	5.0	19.9	4	44.1	59.6
	6	15	4	6.4	21.2	4	52.0	8.9
	10	15	4	3.2	18.7	4	52.5	10.0
	18	15	4	5.5	21.7	4	57.8	15.8
Nov.	4	15	4	7.7	21.4	0	19.9	24.9
	7	15	3	1.6	18.4	0	4.8	21.9
	8	15	3	2.5	18.7	0	8.3	26.0
	10	15	4	9.0	26.0	4	55.9	14.1
	18	15	4	5.7	20.0			

(S) 1875

Oct.	14	0	0	29.5	42.1	1	14.2	25.0
	17	0	0	22.0	35.8	1	9.6	21.5
	20	0	0	27.2	40.3	1	13.2	24.9
	25	0	0	48.1	2.9			
Nov.	4	0	0	21.2	26.5	1	22.6	26.5
	8	0	0	30.5	36.3	1	13.0	20.4
	11	0	0	36.8	45.5	1	18.7	27.4
Dec.	6	0	0	39.9	40.1	1	37.9	37.4

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1874phae.proj.1391.

i Pegasi 22h 01m 12s +24° 44′ +.46.

1874

Oct.	4	40	0	21.5	14.1	0	45.5	57.4
	6	35	4	59.8	11.9	0	50.1	2.3
	10	35	4	49.6	2.4	0	41.6	54.4
	18	35	4	54.4	7.5	0	50.9	3.9
Nov.	4	35	4	58.0	8.0			
	7	40	0	59.5	11.1			
	8	35	4	53.2	7.0			
	10	35	4	53.9	7.1			

(10) 1875

Oct.	14	20	1	15.8	30.0	1	43.0	57.3	
	17	20	1	12.1	27.7	—	—	10.2	
	18	20	1	9.5	26.8	1	56.1	13.4	
	19	20	1	22.5	38.7	2	15.2	31.7	
	20	20	1	5.8	21.3	1	55.0	10.0	
Nov.	4	20	1	16.5	24.7	1	44.8	51.4	
	8	20	1	16.1	25.9	2	9.5	16.3	
	11	20	1	20.0	32.0	2	1.4	13.6	
Dec.	2	20	1	57.8	55.9	2	31.9	29.7	5 more
	6	20	1	19.7	23.9	2	15.5	19.1	

no more

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1874phae.proj.1391.

θ Pegasi 22 h. B. m. 54 + s 30 + .XX + 1.0

1874

Oct. 4	45	3	34.1	47.5	4	19.0	32.9	
6	45	3	41.7	53.7	4	22.1	36.6	
10	45	3	39.3	52.6	4	30.4	44.9	
18	45	3	34.4	49.1	4	36.9	50.1	
27	45	3	44.4	59.1	4	32.4	47.7	
Nov 18	45	3	44.9	59.1	4	34.6	49.8	

(6)

1875

Oct. 14		35 ?30	0	[illegible]	12.2			
18	Aug 25	4	56.4	12.3	1	11.4	26.0	
19	Aug 30	0	2.9	17.4	1	2.1	16.8	
20	25	4	58.3	12.4	0	53.8	8.1	
25	30	0	4.5	20.9	0	45.0	1.0	
Nov. 4	25	4	57.8	3.7	0	47.9	55.2	

no more

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1874phae.proj.1391.

β Cephei 21h 6m 31s +57° 35′ +1.58

One reading

1874

Oct. 4	45	4	33.5	40.3	0	12.2	20.1	
6	45	4	57.9	5.8				lost 1st wire
10	45	4	28.9	37.2	0	6.9	15.1	
18	45	4	29.0	38.9	0	2.9	12.4	
27	45	4	33.1	42.7				
Nov. 8	45	4	37.1	46.0				

1875

Oct. 18	30	0	30.6	48.8	0	50.5	8.7	
19	30	0	33.9	50.9	0	50.2	6.8	5 wires
20	30	0	41.7	58.4				
Nov. 4	30	0	52.3	0.8	1	28.9	37.5	
6	30	0	49.5	58.9	1	18.2	27.8	
8	30	0	57.1	7.0	1	30.5	41.9	

no more

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1874phae.proj.1391.

~~δ Monoc 22 h m s~~
24 Cephei 22 h 7 24 + 71 44 + 30 3

1874								
Oct 10	40	1	56.6	2.9	2	17.6	13.1	lost 1 at 2 wires
18	40	1	51.9	58.0	2	12.7	18.1	
27	40	1	42.9	49.7	1	58.0	5.8	

(3) 1875

Oct. 18	20	2	55.9	12.1	3	14.0	30.5
19	20	2	54.9	10.1	3	12.1	27.5
20	20	2	50.9	6.5	3	8.5	22.2

no more

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1874phae.proj.1391.

o Aquarii $22^h\ 10^m\ 14^s$ $-8^\circ\ 24'\ .15$

1874

Oct. 6	45	2	29.7	45.8	3	23.0	39.3	
10	45	2	32.1	49.5	3	17.2	34.1	
18	45	2	28.2	45.9	3	16.3	34.2	
27	45	2	32.5	50.7	3	24.6	44.4	
Nov. 8	45	2	33.0	51.2	3	21.6	41.2	
18	45	2	40.2	58.4	3	28.7	47.0	

(6) 1875

Oct. 14	25	4	33.1	40.2				5 wires
18	25	3	56.9	8.9	4	44.8	55.9	
19	25	3	47.2	57.9	4	48.9	59.1	
20	25	3	58.1	7.5	4	45.4	55.3	
Nov. 4	25	3	55.9	57.8	4	52.1	54.5	
7	25	4	4.1	7.2	4	48.9	49.9	A_{+1} A_{-1}
Dec. 2	25	4	10.1	1.9	4	56.1	48.2	

no more

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1874phae.proj.1391.

Q Aquarii 22h 13m 3.7s −8° 26′ .15

1874

Oct.	6	50	0	7.3	25.1	0	59.8	17.1
	10	50	0	9.0	26.4	0	50.3	8.3
	18	50	0	6.2	25.2	0	59.7	18.0
	27	50	0	9.0	27.1	0	52.2	11.0
Nov.	8	50	0	10.4	28.8	1	9.4	27.9
	18	50	0	7.9	26.1	1	7.0	25.1

(6) 1875

Oct.	14	30	1	39.3	48.9	2	22.6	31.8	
	19	30	1	23.9	36.1	2	6.8	18.4	
Nov.	2	30	1	35.3	40.2	2	30.6	34.8	
	4	30	1	34.0	36.9	2	13.6	15.5	
	7	30	1	33.5	38.4	2	27.7	31.1	
Dec.	1	30	1	39.8	32.0	2	30.8	23.9	last 1st two of A — 1
	2	30	1	38.9	33.2	2	23.3	16.5	

no more

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1874phae.proj.1391.

γ Aquarii 22h 15m 12s − 2° 1′ .3

1874

Oct. 6	20	4	29.8	45.3	0	27.7	43.9
10	20	4	32.0	47.7	0	27.5	44.8
12	20	4	32.4	47.6	0	9.1	27.8
18	20	4	55.5	14.2	0	33.4	49.8
27	20	4	32.1	47.7	0	14.4	33.5
Nov. 8	20	4	34.2	49.9	0	25.9	44.0
18	20	4	36.8	53.3	0	36.9	54.1

(5)

1875

Oct. 14	5	0	50.1	1.8	1	26.9	38.4
18	5	0	45.3	59.4	1	38.2	52.0
27	5	0	47.5	56.9	1	38.5	49.9
Nov. 2	5	0	56.8	2.2	1	50.0	55.7
4	5	0	50.2	54.2	1	28.0	32.2
			no more				
~~Dec. 2~~	5	0	50.2	44.8	1	46.1	40.9

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1874phae.proj.1391.

4652

B.A.C. 903 22h 16m 41s +43° 0' 8 +.9

1874

~~Oct. 27~~	~~15~~	~~2~~	~~42.2~~	~~53.2~~				8.5 mag.
Nov. 18	15	2	50.4	2.2	3	16.3	27.9	" " lost A_{+1} 3

(4)

~~1875~~

Oct. 18 not seen

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1874phae.proj.1391.

ε Lacertae $22^h\,18^m\,5^s$ $+50°\,36'$ + 7.7 +1.26

Get next star.

1874

Oct.	6	45	3	49.5	57.5	4	16.1	24.6
	12	45	3	27.6	38.1	4	10.5	20.4
	27	45	3	18.0	26.9	3	49.2	59.1
Nov.	12	45	3	22.8	29.1	4	11.2	17.7
	18	45	3	17.6	27.9	4	4.8	15.8

(7) 1875

Oct.	18	25	4	47.7	7.0				5 wires
	19	25	4	29.9	47.5	0	8.8	27.2	
	27	25	4	45.5	—	0	21.5	38.9	
Nov.	4	25	4	36.9	45.9	0	17.2	26.4	
	7	25	4	30.9	42.6	0	17.8	28.7	
Dec.	2	25	4	35.4	33.8	0	11.6	12.9	
	6	25	4	32.0	36.5	0	17.1	22.2	

no more

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1874phae.proj.1391.

88 15

τ Aquarii 22 18 54 +045 +.01

1874

Oct.	10	35	3	56.7	11.7	4	49.3	5.1
	18	35	3	57.0	12.1	4	43.7	57.3
Nov.	8	35	3	5.0	18.9	4	53.0	11.0
	19	35	3	59.0	7.2	4	53.1	1.0

(31)

1875

Oct.	25	20	0	41.7	56.9	1	21.2	37.0
Nov.	2	20	0	11.3	18.1	1	11.2	17.1
	6	20	0	41.2	46.9	1	16.5	23.1

no more

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1874phae.proj.1391.

β Aquarii $22^h\ 22^m\ 23^s$ $-0^\circ\ 39'.01$

1874

Oct. 6	0	3	0.5	15.8	3	50.4	6.4	both, 1 stroke for each δ
10	0	3	3.8	19.1	4	4.7	19.5	mean R.A. 1 stroke for each δ
11	0	3	5.1	22.6	3	54.5	11.7	2nd ⁊ δ pr.
12	0	3	42.0	59.5	3	4.6	21.9	mean R.A. & δ
18	0	3	6.5	23.8	3	56.0	12.2	ditto
27	0	3	11.0	27.5	3	55.9	13.3	mean R.A 1 stroke each δ
Nov. 4	0	3	4.1	16.8	3	56.7	11.3	mean R.A & δ
8	0	3	3.2	19.5	3	3.8	20.3	mean R.A. & δ
12	0	2	59.8	15.2	4	6.2	20.4	mean R.A. & δ
19	0	3	5.7	16.0	3	7.1	7.5	ditto.

(9) 1875

Oct 18	40	4	29.4	42.5	0	12.0	26.5	mean R.A. & δ
25	40	4	24.5	39.7	0	13.1	28.0	mean R.A. & δ
27	40	4	31.0	41.3	0	32.9	45.9	
Nov. 2	40	4	30.9	36.3	0	36.2	42.0	
4	40	4	26.1	30.0	0	20.5	24.9	
6	40	4	29.3	34.6	0	21.5	27.5	
7	40	4	29.4	34.3	0	12.1	18.8	
Dec. 1	40	4	23.6	16.6	1	25.9	21.0	mean δ & R.A.
2	40	4	32.6	26.5	0	26.1	22.1	
6	40	4	26.9	25.0	0	20.4	21.0	mean R.A. & δ

no more

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1874phae.proj.1391.

76° 2'

9 Draconis N. Lo. 22 h 20 m 25 s · 103 37 = 4/12

1874

(Get next star)

Oct. 6	45	2	53.7	57.1	2	41.7	45.1	Md. wire & foll. md. w. ?
11	45	3	15.9	21.2	2	1.1	5.7	
12	45	3	13.8	19.4	2	56.1	0.6	
Nov. 8	45	3	1.4	6.9				1st 5 wires. Rej. 1st wire of S.
18	45	3	3.5	10.9	2	48.4	55.0	

(7) 1875

Nov. 2	25	4	25.5	36.0	4	11.9	21.7
6	25	4	26.0	37.3	4	13.9	22.9
24	25	4	26.2	35.7	4	11.0	20.1
Dec. 1	25	4	31.1	30.1	4	14.1	12.2
2	25	4	24.7	25.9	4	15.1	15.9
6	25	4	19.9	25.9	4	7.2	14.1

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1874phae.proj.1391.

β Piscis Australis $\alpha = 22^h\ 24^s$ $-32^\circ\ 58'$ -6.5 ....

$-32\ 59$

$32\ 59$

1874

Oct. 18	20	0	45.0	59.1				SW. ref. 1st w. obs.?
27	20	0	12.8	29.4	0	1.1	18.0	
Nov. 4	20	0	57.2	9.9				
12	20	0	43.9	59.2				5 wires
19	~~20~~	~~0~~	~~10.8~~	~~19.2~~	~~0~~	~~1.1~~	10.1	
Dec. 8	20	0	46.5	1.9				5 wires

(?) 1875

Oct. 25	0	1	35.8	52.5	2	21.5	40.1
Nov. 4	0	1	13.6	20.5	1	46.4	53.1

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1874phae.proj.1391.

7 = α Lacertae 22h 26m.9 +48° 38' +1,1 t

1874

Oct. 11	40	1	34.4	43.3					5 wires, 7.8 mag.
12	40	0	3.2	13.1	1		38.5	46.6	
15	40	1	34.0	40.9					lost middle wire 5 wires
18	40	1	46.3	53.5					5 w. lost 4th wire
20	40	1	11.7	16.7	1		57.7	2.5	
21	40	1	9.0	15.9	1		47.3	53.2	
27	40	1	32.8	42.5	1		59.3	8.0	8.0 mag
Nov. 8	40	1	11.9	20.1	1		58.1	7.1	
18	40	1	15.6	25.4	1		60.0	8.0	
Dec 8	40	1	26.7	33.9	1		53.8	0.7	

(8) 1875

Oct. 18	25	2	29.4	48.7	3	0.7	18.8	
25	25	2	36.1	56.1	3	1.8	21.2	5 wires
27	25	2	13.9	30.7	3	~~4.0~~	~~34.1~~	
Nov. 2	25	2	32.6	42.4	2	59.1	10.2	5 wires
4	25	3	0.3	9.9				5 wires lost the 1st
6	25	2	32.4	43.7	3	6.1	16.8	
7	25	2	14.4	26.2	3	1.6	13.1	
9	25	2	25.9	37.4	2	55.9	6.1	

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1874phae.proj.1391.

h Aquarii 22h 28m 56s −0° 46′ −.01

1874

Oct. 6	5	4	9.5	25.9	4	59.3	14.9	
10	5	4	9.2	25.4	0	2.7	18.7	
11	5	4	14.2	31.0	4	0.7	18.7	
12	5	4	10.1	27.9	4	48.0	6.1	
15	5	4	8.9	23.2	4	57.6	13.7	
18	5	4	10.7	26.5	4	56.1	13.4	
19	5	4	47.8	2.0				5 wires
20	5	4	13.7	26.5	4	1.2	15.1	
27	5	4	13.0	30.0	0	7.3	24.3	
Nov. 4	5	4	37.7	50.4	0	6.5	19.4	
8	5	4	20.3	39.9	0	13.1	31.2	
12	5	4	9.7	23.4	4	2.1	17.3	
18	5	4	14.7	32.1	0	14.4	31.9	
Dec. 8	5	4	12.7	26.9	0	14.2	29.2	

(10) 1875

Oct. ~~16~~	50	0	23.9	39.2	1	24.0	36.5	
25	50	0	32.1	46.4	1	23.1	36.1	
27	50	0	32.1	45.7				lost the last 4 wires A2 + foll.
Nov. 2	50	1	14.2	19.7				
4	50	0	32.7	37.9	1	26.3	30.3	
6	50	0	33.7	39.0	1	25.9	30.5	
7	50	0	36.8	43.6	1	24.3	30.5	
9	50	0	35.7	42.0	1	26.4	32.5	

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1874phae.proj.1391.

226 B Cephei 22h 30m 45s + 75° 35' +8.9

1874

Oct. 6	50	0	34.5	40.7	0	46.6	53.1		lost 1st 2 wires
10	50	0	41.9	44.8	0	46.7	53.9		ditto.
11	50	0	25.1	33.4	0	38.6	46.5		
12	50	0	36.9	45.8	0	46.0	54.1		lost 1st wire
15	50	0	26.8	31.9	0	43.7	49.1		
19	50	0	34.1	39.5	0	48.9	52.1		lost 1st wire
20	50	0	31.3	36.1	0	43.7	47.6		lost 1st 2 wires
21	50	0	36.8	43.1					6 wire + foll.
27	50	0	31.4	38.9	0	44.4	51.9		Md. wire + foll.
Nov. 4	50	0	38.3	42.5					6th wire + foll
11	50	0	28.3	32.9	0	34.0	42.1		
12	50	0	40.4	45.8	0	47.5	51.9		Md. wire + foll.
18	50	0	35.3	43.9	0	46.1	53.8		last 4 wires
Dec. 8	50	0	38.2	45.1	0	52.6	59.9		ditto.

(10) 1875

Oct. 18	30	1	45.5	1.5	1	59.2	15.7	md wire + foll.
25	30	1	44.5	2.0	1	53.5	10.5	lost 1st wire
Nov. 2	30	1	49.8	57.5				4th wire + foll.
4	30	1	42.1	49.1	1	54.1	0.5	lost 1st wire
6	30	1	47.8	55.0	1	57.2	5.1	lost 1st 3 wires
9	30	1	57.1	4.2	2	4.2	8.4	

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1874phae.proj.1391.

ε Leporis Australis 2 2.h 33 m

31 Cephei 2 h 22 m 41 + 73° 00' + 32'

1874								
Oct. 6	25	0	28.6	35.1	0	49.9	55.7	
10	25	0	29.2	37.4	0	53.0	0.4	
11	25	0	13.1	19.9	0	56.7	4.1	
12	25	0	31.5	40.7	0	46.0	54.1	
15	25	0	31.4	35.9	0	53.1	57.3	
19	25	0	34.9	38.8	0	51.2	55.0	
20	25	0	30.9	35.9	0	45.1	48.9	
21	25	0	28.1	34.9	0	41.0	47.4	
27	25	0	34.6	42.7				rej. 1st 8
Nov. 4	25	0	31.8	36.6	0	53.1	57.0	
8	25	0	27.8	35.6	0	27.8	35.1	
11	25	0	25.7	33.9	0	44.9	51.9	
12	25	0	27.5	31.8	0	56.9	59.3	
18	25	0	24.2	32.1	0	49.1	56.0	
Dec. 8	25	0	31.0	36.8	0	52.5	58.1	

(9) 1675

Oct. 18	5	1	34.4	50.9	1	48.4	3.0
25	5	1	28.7	45.5	1	44.8	0.1
Nov. 2	5	1	40.1	46.4	1	56.6	1.9
4	5	1	35.9	42.8	2	8.9	13.9
6	5	1	34.2	41.3	1	54.3	59.9
7	5	1	29.2	38.0	1	58.8	8.0
9	5	1	36.3	44.4	1	54.2	1.3

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1874phae.proj.1391.

β Pegasi α 2h 35m 5s 14 + 10° 11′ +18

1874

Oct. 10	10	3	6.2	20.2	3	57.5	5.9	
11	10	2	56.3	11.3	3	43.1	57.5	
12	10	2	59.0	14.5	3	50.1	5.2	
19	10	3	0.1	12.7	3	51.2	2.4	
20	10	3	0.5	12.7	3	32.3	42.8	
21	10	3	0.8	14.8	3	44.0	58.5	
27	10	3	0.4	15.7	3	54.6	9.6	
Nov. 4	10	3	40.8	52.0				
8	10	2	58.5	13.4	3	55.3	10.1	
11	10	2	58.8	12.9	4	1.9	15.8	
12	10	3	2.7	14.2	3	56.1	8.7	
18	10	3	2.7	20.1	4	8.5	23.1	
Dec. 8	10	3	11.4	23.7	3	57.3	9.8	

(11) 1875

Oct. 25	50	4	13.3	27.2	0	7.9	23.4	
Nov. 2	50	4	39.0	42.9	0	23.3	28.7	lost 1st wire
4	50	4	22.3	26.0	0	11.0	16.0	
6	50	4	21.3	26.0	0	8.9	14.8	
7	50	4	19.7	26.6	0	5.8	13.4	
9	50	4	12.3	17.7	0	1.5	7.3	

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1874phae.proj.1391.

η Pegasi $22^h\,37^m\,9^s$ $+29^\circ\,34'$ +5ʲ.

1874

Oct. 10	50	0	56.5	9.1	0	55.3	6.0
11	45	4	2.1	13.9	0	49.3	0.8
12	50	0	7.4	20.1	0	59.0	11.5
15	50	0	10.0	18.5	0	43.5	52.7
19	45	4	56.4	3.0	0	52.9	59.2
20	50	0	6.1	14.8	0	40.7	49.4
21	50	0	5.1	15.2	0	50.5	0.0
27	45	4	1.9	13.1	0	51.5	3.0
Nov. 4	50	0	0.2	7.9	0	52.1	0.2
8	50	0	4.1	16.2	0	50.3	59.0
11	50	0	10.0	20.0	1	3.9	13.9
18	50	0	4.9	16.5	1	1.1	13.0
19	50	0	5.1	9.9	0	51.5	54.7
Dec. 8	50	0	6.9	16.0	1	5.5	14.5

(10) 1875

Oct. 25	30	1	14.1	33.8	1	46.8	5.5	
Nov. 2	30	1	18.1	27.1	2	9.7	14.2	
4	30	1	22.5	32.2	2	2.0	11.1	lost (?)
6	30	1	18.2	26.9	2	13.9	22.5	
7	30	1	31.3	42.9	2	11.0	20.5	
8	30	1	23.9	34.3	2	15.2	25.0	
9	30	1	13.2	23.0	2	1.0	11.0	

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1874phae.proj.1391.

13 Lacertae 22h 38m 31s +41° 10' ± .88

1874

Oct. 15	10	4	43.0	52.7	0	20.2	29.5	
19	10	4	41.4	48.4	0	34.3	33.1	
20	10	4	35.9	43.8	0	18.3	27.4	
21	10	4	32.5	43.3	0	18.6	28.9	
27	10	4	37.9	50.0	0	28.4	41.9	
Nov. 4	10	4	40.3	49.9	0	18.8	28.7	
8	10	4	39.1	50.6	0	16.9	49.9	
11	10	4	29.8	41.9	0	19.2	30.4	
18	15	0	10.7	22.9				5 wires.
19	10	4	40.0	44.1	0	23.9	28.4	
Dec 8	10	4	1.1	11.1	0	42.0	52.9	5 wr

(XY)

1875

Oct. 25	55	0	42.2	59.9	1	31.3	47.5	
Nov. 2	55	0	53.4	0.9	1	35.1	42.5	
6	55	0	45.9	53.1	1	31.7	41.1	
7	55	0	59.0	8.4	1	36.1	45.9	
8	55	0	59.9	8.4	1	45.1	52.9	
9	55	0	53.9	1.4	1	27.0	35.5	

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1874phae.proj.1391.

λ Pegasi 22h 40m 31s +22° 55′ 42″

1874

Oct.	15	25	4	39.5	46.8	0	12.1	20.8
	19	25	4	28.3	34.8	0	22.1	30.5
	20	25	4	33.5	41.9	0	25.9	32.9
	21	25	4	35.5	45.1	0	19.5	28.9
	27	25	4	31.8	42.7	0	14.0	25.4
Nov.	4	25	4	30.1	38.9	0	24.2	37.5
	8	25	4	27.3	38.1	0	19.2	30.5
	11	25	4	33.0	43.9	0	29.0	39.9
	18	25	4	30.4	41.5	0	18.2	30.7
	19	25	4	36.1	39.3	0	25.5	28.9
Dec.	8	25	4	35.5	43.1	0	29.0	37.9

(7)

1875

Oct.	18	10	0	53.3	9.7	1	35.5	52.8
	25	10	0	45.0	2.9	1	38.9	56.0
Nov.	2	10	0	48.6	35.7	1	34.0	41.1
	4	10	0	49.8	56.3	1	32.9	40.4
	6	10	0	51.7	59.2	1	29.1	37.9
	7	10	0	46.3	56.6	1	32.2	41.4
	8	10	0	51.8	0.3	1	19.8	28.5

new zero for sheet

no more

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1874phae.proj.1391.

μ Pegasi 2h 48m 58s +23° 5′ 57″ + .44.

1874

Oct.	15	25	2	36.7	46.3	3	21.5	30.7
	~~20~~	~~25~~	~~2~~	~~36.9~~	~~45.9~~	~~3~~	~~25.6~~	~~35.1~~
	21	25	2	36.5	46.0	3	30.3	40.9
	27	25	2	30.6	43.5	3	15.9	27.7
Nov.	4	25	2	26.6	34.9	3	24.0	32.4
	8	25	2	28.7	41.0	3	25.5	36.5
	11	25	2	35.9	45.9	3	27.1	38.1
	18	25	2	34.9	47.3	3	28.1	40.9
	19	25	2	27.8	32.3	3	24.0	27.0
Dec	~~8~~	25	2	42.1	50.9	3	31.6	40.2

(9)

1875

one reading

Oct.	18	5	3	40.5	46.2	4	32.0	48.4 lost A_1 142
Nov.	2	5	3	46.9	52.7			
	4	5	3	45.4	52.4	4	34.9	41.7
	6	5	3	46.7	55.0			
	7	5	3	47.4	55.4	4	29.1	38.6
	8	5	3	49.3	57.3			

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1874phae.proj.1391.

i Cephei $22^h 45^m 14^s$ $+65^\circ 33' 220''$

1874 One reading

Oct. 15	50	2	25.9	31.0	2	50.2	56.5	
21	50	2	30.7	36.9	2	0.9	5.9	
22	50	2	24.3	31.1				
26	50	2	20.3	28.3				
27	50	2	27.8	36.0				
Nov. 4	50	2	47.2	51.1				lost 1st two wires
8	50	2	27.0	34.6				
11	50	2	31.4	38.4				
18	50	2	31.7	39.8				
19	50	2	29.2	28.2				

(8) 1875

Oct. 25	30	3	42.9	0.9			
Nov. 2	30	3	34.4	40.9			
4	30	4	3.2	8.7			lost 1st two wires
6	30	3	35.7	44.1			
7	30	3	48.8	56.7			lost 6, 7 & 8.
8	30	3	34.0	42.9	4	3.6	11.0

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1874phae.proj.1391.

1 Aquarii 22 46 5 = 8 15 = .15

1874

Oct. 19				A. R				J. H. M
	22	35	3	3.2	20.9	3	44.7	1.7
	26	35	3	9.7	27.6	3	49.9	7.5
	27	35	3	39.8	59.1	~~4~~	2.2	19.0
Nov. 8		35	3	19.1	38.0	3	53.0	10.8
	11	35	3	4.0	20.7	3	57.2	14.1
	18	35	2	54.1	13.1	4	2.1	20.2
	~~19~~	35	3	4.2	13.9	3	58.4	9.8

(4)

1875

Oct. 25		15	4	28.0	39.9	0	8.4	21.3
Nov. 2		15	4	31.6	33.1	0	13.5	12.9
	4	15	4	47.1	49.1			
	6	15	4	19.2	22.7	0	0.0	4.5

5 wires, lost the 1st

no more

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1874phae.proj.1391.

ν Aquarii $22^h\,48^m.5$ 01^s $-16^\circ\,29'.30$

1874

Oct 15	50	1	51.1	7.8		34.5	49.8	
19								1.7 m.
21	50	1	39	19.9	2	44.0	0.4	
22	~~50~~	~~1~~	~~54.4~~	~~12.8~~	50 2	41.0	57.9	
26	50	2	4.8	22.7	2	44.9	2.0	
27	50	1	59.9	17.8	2	57.7	14.5	
Nov. 4	50	2	21.4	37.3	2	53.4	8.9	
~~8~~	50	1	58.9	17.2	2	40.9	59.0	
11	50	2	9.6	25.3	3	5.3	21.0	
18	50	2	0.1	18.8	3	8.2	25.2	
19	50	1	59.9	10.4	2	49.7	58.9	

(8)

1875

Oct. 25	30	3	16.0	25.8	4	13.8	17.0
Nov. 2	30	3	19.0	22.9	4	14.2	17.0
4	30	3	18.1	21.5	3	47.8	49.8
6	30	3	18.1	21.7	4	0.8	4.1
8	30	3	21.2	26.1	4	11.0	15.7

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1874phae.proj.1391.

2 Piscis Australis 22h 50m 43.5s −30° 11′ 58″

1874

Oct.	15	35	3	27.0	41.4	3	55.1	9.7
	21	55	3	27.7	41.4	4	29.9	39.0
	22	35	3	25.9	42.5	4	21.7	37.9
	26	35	3	35.0	52.4	4	20.2	36.4
	27	35	3	39.0	54.4	4	28.0	43.5
Nov.	4	35	3	26.9	39.8	4	26.6	39.2
	11	35	3	30.8	45.9	4	21.5	37.2
	18	35	3	29.2	48.7	4	23.7	40.9
	19	35	3	31.2	40.0	4	18.7	27.1

(9)

1875

Oct.	25	15	4	50.4	—	0	35.8	51.9
Nov.	2	15	4	42.6	48.0	0	38.8	44.9
	3	20	0	16.5	22.9	0	45.8	51.8
	4	15	4	44.8	47.9	0	40.8	46.5
	6	15	4	43.8	49.4	0	30.2	37.5
	8	15	4	44.5	51.0	0	35.7	42.9

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1874phae.proj.1391.

B.A.C. 80.02 $22^h\ 52^m\ 46^s - 30^\circ\ 8' - 58'$ ...
1874

Oct 21	25	4	36.0	49.1	0	33.8	39.0	lost 1st wire exam. δ
22	25	4	32.1	48.2	0	5.7	22.8	set at 30° 10', examine
26	25	4	43.3	59.1	0	13.9	31.9	lost 1st wire
27	25	4	41.6	56.6	0	16.2	34.5	
Nov 11	25	4	36.1	51.5				rej. the wires of A.
18	25	4	55.3	12.1				
19	25	4	2.8	12.1	0	25.0	34.9	

(11) 1875

Nov. 4	10	0	45.0	51.7	1	25.1	30.3	# ?
6	10	0	48.7	54.8	1	26.4	33.9	
8	10	0	47.8	55.2	1	23.0	29.4	

σ Andromedae $22^h\ 56^m\ 10^s + 41^\circ\ 39' + 89$
1874

Oct. 19	45	0	14.9	23.3	0	57.9	59.1	
21	45	0	8.3	18.2	0	49.9	59.8	
22	45	0	8.2	20.1	0	53.7	5.8	
26	45	0	0.5	13.3	0	42.1	53.5	
27	45	0	4.5	17.5	0	35.2	46.9	
Nov. 4	45	0	4.8	4.1	0	54.9	2.3	new sheet
11	45	0	2.9	14.4	0	3.2	14.9	
16	45	0	6.4	12.7	0	44.8	52.0	
18	45	0	2.0	13.9	0	55.0	6.9	new sheet
~~19~~	~~45~~	~~0~~	~~24.1~~	~~27.5~~	~~0~~	~~47.8~~	~~51.1~~	
21	45	0	16.3	19.8	1	9.7	13.1	

(8) 1875

Nov. 2	25	1	14.8	22.6	2	3.7	11.8	
3	25	1	52.5	0.1				5 wires
4	25	1	16.2	23.5	2	5.8	13.1	
6	25	1	17.9	25.7	1	59.2	7.6	
8	25	1	23.2	31.9	2	4.0	13.2	

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1874phae.proj.1391.

α Leyasi $22^h 58^m 32^s +14° 32' 2$ ★, 26

1874

Oct. 21	50	1	55.6	10.9	2	35.0	48.8	
22	50	1	52.5	7.9	2	38.7	53.6	
26	50	1	54.1	9.9	2	40.1	55.9	
27	50	1	54.5	10.7	2	36.1	52.0	
Nov. 16	50	1	56.2	6.0	2	48.9	58.9	
18	50	1	52.4	8.8	2	42.2	58.2	
~~19~~	~~50~~	~~1~~	~~54.7~~	~~1.5~~	~~3~~	~~1.4~~	~~10.1~~	
21	50	1	57.8	4.4	2	43.9	50.8	

(11) 1875

Nov. 2	30	3	7.3	9.9	4	1.9	5.5	
3	30	3	8.8	13.0	3	36.2	39.5	
4	30	3	11.4	14.0	3	55.0	56.0	
6	30	3	12.1	16.9	4	0.5	3.9	
8	30	3	10.4	14.9	3	56.9	0.9	
22	30	3	10.1	10.5	4	11.3	12.4	
24	30	3	14.2	16.2	3	58.4	59.9	
Dec. 6	30	3	21.9	21.0	4	23.8	22.1	
14	30	3	15.4	12.3	4	5.0	1.1	

o Andromedae $22^h 56^m 10^{sec} +41° 39'$

1875

Nov. 22	25	1	49.5	53.4	2	19.1	23.9	lost 1st T. 2 wires
24	25	1	30.9	06.8	2	10.2	16.4	
Dec. 14	25	1	53.1	53.9	2	11.1	13.4	5 wire

no more

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1874phae.proj.1391.

81 16

55 Pegasi $23^h\ 0^m\ 42^s$ $+8^\circ\ 44'$ +.15

1874								
Oct. 19	35	4	36.2	46.8	0	35.9	47.3	
26	35	4	45.7	0.7	0	40.9	56.7	
27	35	4	41.8	55.9	0	39.6	55.9	
Nov. 12	35	4	49.0	0.6	0	35.1	48.0	
16	35	4	40.9	49.3	0	43.0	52.3	
18	35	4	39.5	54.9	0	40.3	56.0	
19	35	4	52.1	58.6	0	36.4	44.4	
21	35	4	46.3	52.9	0	45.8	53.0	
24	35	4	39.8	55.3	0	36.3	51.7	
(10) 1875								
Nov. 2	20	0	59.0	4.1	1	42.5	47.7	
3	20	0	59.2	6.3	1	58.1	1.7	
6	20	1	0.7	7.9	1	41.9	47.7	
22	20	0	58.1	1.9	1	53.0	56.0	lost 1st wire
Dec. 24	20	1	0.9	4.9	1	53.2	56.9	
6	20	0	51.3	53.0	1	50.6	51.1	
14	20	1	2.3		1	52.4	52.1	

σ^2 Aquarii $23^h\ 2^m\ 46^s$ $-21^\circ\ 51'$ .40

one reading

1874				
Oct. 19	10	3	23.7	39.0
26	10	3	30.0	48.9
27	10	3	32.2	50.8
Nov. 12	10	3	32.6	48.9
16	10	3	33.7	46.8
18	10	3	38.0	56.0
21	10	3	38.5	49.0
22	10	3	53.9	4.6
24	10	3	30.2	49.6
(9) 1875				
Nov. 2	50	4	47.1	50.6
3	50	4	56.6	0.2
6	50	4	51.7	56.5
22	50	4	48.9	49.7
24	50	4	56.1	58.1
Dec. 14	50	4	52.8	52.1

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1874phae.proj.1391.

π Cephei $23^h 3^m 56^s +78^\circ 43' +3.6$

1874

Oct. 19	40	2	40.2	44.2	2	55.4	58.8
26	40	2	33.5	40.3	2	54.2	0.7
27	40	2	34.1	42.5	2	49.7	57.7
Nov. 12	40	2	36.3	41.1	2	56.8	0.9
16	40	2	33.1	38.1	2	51.0	54.0
18	40	2	31.5	40.0	2	45.9	53.2
21	40	2	53.0	52.7			
22	40	2	36.9	35.1	2	55.0	52.7
24	40	2	34.5	40.1	2	47.5	53.1

(9) 1875

Nov. 2	20	3	50.5	55.5	4	31	9.5
3	20	3	52.9	59.8	4	5.0	11.9
6	20	3	46.0	54.7	4	2.3	9.9
22	20	3	50.9	54.1	4	6.2	9.4
24	20	3	50.9	55.5	4	58	10.6

~~5 Cygni 23 6~~ h m

1876 ?

Dec. 14 20 3 55.2 56.7 ——— 10.9

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1874phae.proj.1391.

φ Aquarii 23h 7m 51s −6° 43′ −1.2

1874

Oct. 19	5	1	52.0	6.2	2	22.6	37.5	
26	5	1	45.9	3.3	2	31.9	9.9	
27	5	1	38.5	55.5	2	25.2	43.3	
Nov. 12	5	1	42.2	56.3	2	35.0	49.1	
16	5	1	36.7	49.8	2	37.2	49.6	
18	5	1	43.5	2.1	2	34.6	54.0	
21	5	2	1.2	19.9	2	38.4	47.5	
22	5	1	40.6	50.3	2	34.1	43.2	
24	5	1	48.8	3.7	2	28.6	45.0	

(10) 1875

Nov. 2	45	3	1.0	3.9	3	48.1	50.0
3	45	3	18.0	20.1	3	58.1	0.9
6	45	3	1.5	4.8	3	54.1	57.7
22	45	3	3.0	5.2	3	46.8	47.9

χ Piscium 23h 10m 41s +2° 36′ +.05

1874

Oct. 19	45	2	42.1	51.9	3	24.1	35.5
26	45	2	39.9	54.1	3	21.1	37.0
27	45	2	40.0	55.1	3	29.0	44.4
Nov. 12	45	2	38.3	48.5	3	24.2	37.0
21	45	2	37.8	44.9	3	33.9	40.7
22	45	2	38.1	44.9	3	24.8	29.3
24	45	2	38.4	52.3	3	27.9	41.3

(11) 1875

Nov. 3	25	4	4.2	9.5	4	44.8	48.1
6	25	3	54.2	59.1	4	42.4	47.9
22	25	3	57.9	59.4	4	47.2	49.5
24	25	4	15.1	17.9	8	59.3	3.4
29	25	3	51.9	55.2	8	57.8	2.4

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1874phae.proj.1391.

~~43 Aquarii 23h 12m~~
06 Aquarii 23h 13m 30s +67° 26' +2".41

1874

Oct	19	55	4	22.1	25.7			
	26	55	4	21.1	26.6			
	27	55	4	22.1	27.9			
Nov.	22	55	4	9.8	7.1	4	33.8	30.1
	~~24~~	~~55~~	~~4~~	~~16.0~~	~~20.6~~	~~4~~	~~36.0~~	~~40.3~~

(8) 1875 One reading

Nov. 2	40	0	40.0	47.0	1	25	10.3
3	40	0	22.9	30.8	0	41.5	49.8
6	40	0	13.9	23.0	0	30.0	39.0
~~17~~	~~40~~	~~0~~	~~28.0~~	~~35.8~~	~~1~~	~~52.1~~	~~[illegible]~~ a very close comp. pr. belongs
22	40	0	27.0	32.8	0	57.9	29
24	40	0	17.0	24.7	0	52.9	0.4 a very close comp. pr. belongs (4 sec)
29	40	0	31.9	38.9	0.	46.3	53.5

~~Acephei 23h 13m 30s +67° 26' +2".41~~

(b) 1874

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1874phae.proj.1391.

r Pegasi $23^h 14^m 27^s + 23^\circ 8' + .43$

1874

Oct. 19	20	0	37.9	45.4	1	25.5	33.3	
26	20	0	42.4	53.8	1	18.7	30.7	
27	20	0	52.0	54.1	1	29.7	41.4	
Nov. 22	20	1	4.9	7.9	1	46.8	48.1	
24	20	0	47.3	57.9	1	44.5	55.0	

(8) 1875

Nov. 3	0	2	9.7	17.5	2	41.0	47.9	lost 1st ⅓ wire
6	0	1	48.4	56.0	2	29.1	39.4	
17	0	2	43.9	49.5	3	4.9	10.1	5 wires
22	0	2	38.1	43.4				5 wires
29	0	2	38.1	44.1	2	56.1	1.8	5 wires

b' Aquarii $23^h 16^m 24^s - 20^\circ 47' - .38$

1874

	20	0	52.0					
Nov. 24	5	4	30.4	49.8	0	32.0	52.1	
Dec. 2	10	0	15.8	—	0	52.2	15.1	lost 1st ⅓ 2 wires
3	5	4	45.1	3.9	0	34.3	54.9	

(7) 1875

Nov. 2	50	1	0.7	4.5	1	51.2	54.8
3	50	1	4.0	9.3	1	38.9	42.2
6	50	0	47.5	51.6	1	30.1	32.2
17	50	0	53.4	56.9			52.4

no more

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1874phae.proj.1391.

b Pegasi 23h 19m 8s +22° 43′ +42

1874

Dec. 2		40	1	12.1	26.1	1	59.3	12.1
	3	40	1	24.6	34.7	1	57.6	8.2
	8	40	1	16.4	25.2	2	0.7	9.4

(3)

1875

Nov. 2		20	2	26.9	32.5	3	11.5	18.8
	3	20	2	23.0	30.5	3	3.4	11.0
	6	20	2	16.5	25.4	2	52.4	59.5
	11			reject				

no more

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1874phae.proj.1391.

θ Piscium $23^h 21^m 37^s$ $+8^\circ 41' 42''$ +10

1874

Nov. 4	40	2	7.8	19.2	3	5.2	17.9
24	40	2	10.6	24.8	3	8.1	21.2
Dec. 2	40	2	7.7	24.9	2	54.3	11.9
3	40	2	15.1	30.2	3	2.9	18.7
8	40	2	10.1	22.9	2	51.1	4.6

1875

Nov. 2	20	3	22.3	27.1	4	11.7	16.0	
3	20	3	22.1	26.0	4	7.1	12.0	
6	20	3	27.8	34.2	4	17.7	22.8	
11	20	3	25.5	34.3	4	17.8	26.8	
~~17~~	~~20~~	~~3~~	~~48.3~~	~~58.8~~	~~4~~	~~23.5~~	~~25.9~~	
20	20	3	23.7	27.7	4	14.6	18.7	
22	20	3	29.9	33.3	4	20.1	22.5	
29	20	4	6.9	10.9	4	34.9	38.5	lost A +1

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1874phae.proj.1391.

λ Draconis Lb. 23h 23m 58s +70° 1′ 2″.5
109 59

1874

Nov.	4	25	3	47.5	47.0	3	22.3	23.4
	19	25	3	48.5	43.5	3	25.0	19.1
	24	25	3	36.4	37.6	3	22.3	24.5
	26	25	3	57.7	0.9	3	36.9	41.1
Dec.	2	25	3	41.0	48.9	3	23.8	30.5
	3	25	3	50.3	55.3	3	26.7	31.9
	6	25	3	53.9	55.2	3	35.3	36.4

(5) 1875

Nov.	2	5	4	46.6	59.1	4	38.2	47.0
	3	5	4	59.7	11.4	4	47.4	57.6
	6	5	4	54.9	6.3	4	37.9	48.7
	11	5	4	52.6	7.9	4	40.1	55.1
	17	10	0	3.1	12.1	4	36.5	44.9
	20	5	4	46.8	56.1	4	22.5	33.0

No more

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1874phae.proj.1391.

b Aquarii 23h 26m 48s −21° 38′ −40

1874

Nov.	4	55	3	55.7	10.4	4	33.8	49.9
	19	55	3	50.0	0.1	4	27.0	37.9
	24	55	3	54.0	12.9	4	41.9	59.9
	26	55	3	50.8	9.1	4	43.6	3.1
Dec.	2	55	3	55.9	18.8	4	51.0	14.7
	3	55	3	54.9	14.9	4	45.1	3.8
	8	55	3	51.1	8.2	4	31.4	48.1

(5) 1875

Nov. 3	40	0	4.9	9.6	1	0.7	4.8
11	40	0	10.5	18.1	0	59.3	7.4
22	40	0	13.0	15.2	1	3.3	4.7
24	40	0	20.5	23.0	1	2.7	5.2
29	40	0	7.3	11.2	1	5.2	9.1

no more

15 Andromedae 20h 28m 31s +39° 33′ +82

52 27

1874

Nov.	4	50	1	26.8	35.0	2	25.6	34.1
	19	50	1	22.8	27.9	2	27.2	30.5
	24	50	1	32.0	42.5	2	20.7	30.6
	26	50	1	40.4	51.7	2	26.9	38.1
Dec.	2	50	1	31.7	46.4	2	13.5	28.8
	3	50	1	37.0	49.8	2	23.1	35.9
	8	50	1	34.3	43.2	2	19.2	28.7

(5) 1875

Nov. 3	30	2	47.9	53.3	3	37.0	44.1
11	30	2	37.1	47.9	3	15.2	25.9
[illegible]							
20	30	2	38.8	45.3	3	24.0	30.0
22	30	2	50.0	52.9	3	24.8	28.8
29	30	2	49.8	55.2	3	27.2	32.3

O. K.

no more

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1874phae.proj.1391.

λ Andromedae $23^h 31^m 27^s +43^\circ 41' +1.03$

1874

Nov.	4	35	2	34.8	42.0	3	18.6	24.5
	7	35	2	25.8	35.1	3	15.4	24.1
	10	35	2	53.2	4.1	3	41.4	52.6
~~|	19~~	~~35~~	~~2~~	~~30.2~~	~~31.6~~	~~3~~	~~22.1~~	~~23.3~~
	24	35	2	33.0	40.3	3	10.4	16.3
	26	35	2	38.9	49.8	3	19.2	29.7
Dec.	2	35	2	42.3	54.6	3	33.5	43.9
	3	35	2	29.1	38.9	3	6.9	16.9
	8	35	2	39.0	46.4	3	23.7	30.5

(10)

1875

Nov.	3	15	3	48.8	57.1	4	36.3	44.9
	11	15	3	47.7	57.8	4	26.0	36.7
	17	15	3	45.0	50.3	4	29.5	33.8
	22	15	3	45.9	50.5			
	24	15	3	59.5	4.8	4	41.8	47.9
	29	15	3	44.9	51.7	4	31.8	40.1

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1874phae.proj.1391.

ι Piscium $23^h 33^m 31^s$ $+4°57'$ omit this star (only one reading)

1874

Nov. 4	25	1	50.5	2.4	2	36.2	48.4
7	25	1	38.9	52.3	2	32.0	45.5
~~9~~	~~25~~	~~1~~	~~42.6~~	~~48.5~~	~~2~~	~~40.5~~	~~48.5~~
Dec. 8	25	1	47.6	59.9			

sej. A_{+1} 5 wires

B) 1875

Nov. 3	5	3	16.0	20.7
11	5	3	3.9	12.9
17	5	2	56.6	58.1

get nd. gr.

no more

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1874phae.proj.1391.

γ Cephei 23h 34m 14s +77° 56′ 4.30

1874

Nov. 2	25	4	36.2	41.4				A −1
4	25	4	35.1	35.2	4	47.8	50.0	8 + 9 + A −1
7	25	4	32.4	38.1	4	45.4	50.2	A −1
~~19~~	~~25~~	~~4~~	~~39.0~~	~~35.9~~	~~4~~	~~48.7~~	~~45.5~~	
24	25	4	3.4	7.1	4	21.7	26.3	
26	25	4	7.1	12.9	4	30.3	35.4	
Dec. 2	25	4	8.1	16.1	4	19.8	28.5	
3	25	4	1.0	7.9	4	16.1	23.0	
8	25	4	17.9	21.9	4	37.2	40.1	

(10) 1875

Nov. 3	10	0	34.9	4 29	0	4.79	55.1	five 11th 8
11	10	0	27.5	39.0	0	47.4	58.1	perhaps lost 5th stroke
17	10	0	35.0	40.9	0	49.1	54.4	perhaps omitted line 4 3rd 5
24	10	0	11.9	16.5	0	36.0	41.8	
29	10	0	9.6	16.8	0	28.5	34.8	

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1874phae.proj.1391.

i' Aquarii $23^h 37^m 43^s$ $-1° 58' .34$

1874

Nov.	2	20	0	50.2	6.6	1	44.6	1.1
	7	20	0	57.0	15.1	1	46.1	4.9
~~Nov.~~	~~19~~	~~20~~	~~0~~	~~58.3~~	~~9.9~~	~~2~~	~~7.1~~	~~16.3~~
	24	20	0	59.0	17.0	1	45.4	2.9
	26	20	0	56.9	15.9	2	4.2	24.9
Dec.	2	20	0	55.0	19.0	1	51.9	16.1
	3	20	0	55.9	17.7	1	52.5	12.8
	8	20	0	58.1	16.1	2	0.5	18.7

(VI) 1875

Nov.	3	8	2	12.1	16.5	2	59.8	2.9
	11	0	2	11.5	18.6	3	4.0	11.5
	17	0	2	19.3	3.7	3	0.6	0.8
	24	0	2	18.1	19.8	3	59.7	0.1
	29	0	3	2.6	1.9	3	22.3	22.4

ψ Andromedae $23^h 39^m 50^s$ $+48° 44' 44''$ $+1.83$

1874

		~~25~~	~~3~~	~~0.1~~	~~10.6~~	~~4~~	~~37.0~~	~~46.9~~
Nov.	2	40	0	51.8	56.7	1	37.9	45.4
	7	40	0	50.9	0.3	1	32.1	43.7
	24	40	0	47.7	55.5	1	28.0	35.9
	26	40	0	57.5	7.8	1	50.9	0.0
Dec.	2	40	0	48.1	59.1	1	31.2	43.0
	3	40	0	49.0	0.3	1	18.4	29.8
	8	40	0	57.1	3.9	1	33.1	42.1

(II) 1875

Nov.	3	20	2	1.1	9.8	2	51.5	0.2
	11	20	2	8.4	18.9	2	52.5	3.5
	17	20	2	24.6	35.2	2	52.9	5.6
	29	20	2	7.0	13.3	2	41.1	45.9

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1874phae.proj.1391.

41 Herculis $23^h 38^m 8^s$ $+6° 7' + 23'$

~~1 Sculptoris $23^h 42^m$ $-41° 44'$~~

1874

Nov. 2	15	3	12.1	15.4	3	36.1	39.8	
7	15	2	59.4	5.8	3	44.2	49.3	
24	15	3	11.1	15.4	3	36.8	39.9	
26	15	3	20.1	26.1	3	41.7	48.1	
Dec. 2	15	3	10.9	19.9	3	27.7	35.7	rej. A_{+1}
3	15	2	55.5	2.3	3	23.2	40.0	rej. A_{+1}
8	15	3	36.8	41.1				6 md. wires

(11) 1875

Nov. 3	55	4	23.0	30.0	4	45.8	52.9	
14	55	4	17.7	30.0	4	25.8	36.5	
29	55	4	17.4	22.9	4	48.8	53.9	

B Hle. 8289 $23^h 44^m 8^s$ $+50° 56'$ +1.23

1874

Oct. 28	25	3	0.1	10.6	4	37.0	46.9	
Nov. 2	25	3	56.0	1.4	4	32.9	38.5	
7	25	3	53.4	1.6	4	35.9	44.0	
24	25	4	18.2	25.1				
26	25	3	52.1	59.8	4	28.8	36.8	
30	25	3	57.0	1.1	4	35.4	40.3	
Dec. 2	25	3	52.5	1.9	4	29.5	38.7	
3	25	3	48.7	57.7	4	25.2	33.9	

(10) 1875

Nov. 3	10	0	29.9	39.7				5 wires
14 (5)	10	0	23.8	30.1	0	58.9	12.6	" "
29	10	0	2.9	10.1	0	43.8	57.6	
	10	0	8.7	15.7	0	49.9	55.9	

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ϕ Pegasi $23^h\ 46^m\ 8^s$ $+18^\circ\ 26'$ ± .33

1874

Oct. 26	55	3	17.7	35.5	4	16.0	31.1
Nov. 2	55	3	22.3	35.0	4	20.6	32.5
7	55	3	29.5	43.7	4	18.7	30.8
30	55	3	14.1	25.8	4	15.1	26.8
Dec. 2	55	3	23.4	38.0	4	14.8	30.0
3	55	3	22.9	38.2	4	14.4	29.5

(6) 1875

Nov. 3	35	4	46.3	51.7	0	39.2	43.9
11	35	4	30.1	36.1	0	23.0	31.3
17	35	4	44.0	45.4	0	33.0	36.0
29	35	4	38.4	40.3	0	41.9	44.4
30	35	4	43.2	36.9	0	41.2	39.0

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1874phae.proj.1391.

Q Cass 23h 48m 8s +56° 48′ +1.53

only one reading

1874

Nov. 2	35	1	24.6	31.0	2	11.9	17.3	
7	35	1	20.7	27.9				rej A_{+1}
30	35	1	28.9	33.9				
Dec. 2	35	1	21.8	31.1				rej. A_{+1}
3	35	1	22.9	31.9				

(7)

1875

Nov. 3	15	2	35.8	43.0				get 5 md. wires only
11	15	2	26.7	36.7	2	42.1	52.9	9 wires
17	15	2	37.4	42.0				
29	15	2	41.7	45.9				9 wires rej A_{+1}
30	15	2	56.1	55.3				reject 27.4 δ+1

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1874phae.proj.1391.

Lp. 4163 $23^h 48^m 47^s$ $+73° 43'$ + 3.42

1874

~~Oct. 28~~	~~55~~	~~3~~	~~17.7~~	~~33.5~~	~~4~~	~~16.0~~	~~31.1~~	
Nov. 2	40	2	49.2	53.7				A -1
7	40	2	41.1	47.3	2	51.7	56.1	
30	40	2	42.1	45.7				md. wire & foll.
Dec. 2	40	2	36.8	44.8	2	44.7	52.9	
3	40	2	30.4	37.0				

(7) 1675

Nov. 3	20	3	42.1	47.7	3	56.9	2.0	
11	20	3	42.1	51.1	3	53.7	2.5	lost 1st wire
17	20	3	45.2	48.0	4	0.3	2.9	
29	20	3	53.1	54.2	4	2.1	2.9	lost 1st wire

B.A.C. 8302 $23^h 50^m 51^s$ $+55° 00'$ +1.43

1874

Oct. 28	20	3	58.2	8.5	4	49.7	58.8
Nov. 2	20	4	6.1	10.8	4	35.9	42.3
7	20	4	11.5	18.0	4	50.4	57.4
30	20	3	56.2	59.9	4	42.0	47.6
Dec. 2	20	3	52.0	59.9	4	33.0	41.9

(7) 1675

Nov. 3	5	0	40.5	48.4	0	57.7	6.4	
11	5	0	19.9	32.8	1	2.0	13.9	rej. the alternate wires & A.
17	5	0	7.3	13.7	0	44.1	50.1	grooves
29	5	0	10.6	15.9	0	46.3	51.8	

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1874phae.proj.1391.

ω Piscium 23h 53m 54s + 6° 10′ + .11

1874

Oct 24	10	3	19.7	35.9	4	8.2	23.2
Nov. 2	10	3	19.0	32.1	3	3.4	14.9
7	10	3	19.7	34.0	4	18.1	32.5
19	10	3	23.9	31.7	4	14.7	21.2
30	10	3	27.3	38.1			
Dec. 10	10	3	27.6	40.9	4	24.1	36.1

(6)

1875

Nov. 3	50	4	37.8	42.2	0	32.3	38.2
11	50	4	38.2	46.3	0	24.1	32.7
17	50	4	43.0	45.1	0	31.2	34.9
29	50	4	40.2	42.4	0	41.8	43.7
30	50	4	37.0	32.9	0	36.7	32.4

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1874phae.proj.1391.

30 Piscium $23^h 55^m 33^s$ $-6\ 43'\ 12''$

1874								
Oct. 28	5	0	47.9	5.8	1	42.9	59.4	
Nov. 2	5	0	42.0	56.9	1	42.9	56.3	
7	5	1	41.9	57.1	1	59.1	13.9	
19	5	0	51.2	0.2	1	48.2	57.1	
Dec. 10	5	1	29.8	44.7				5 nights
(7) 1875								
Nov. 3		45	2	11.5	14.7	2	59.9	2.3
11		45	2	2.5	10.2	2	59.0	4.9
17		45	2	28.9	29.6	3	1.9	2.8
29		45	2	5.4	5.1	2	43.0	43.5
30		45	2	39.2	33.8	3	10.6	4.6
Dec. 14		45	2	34.1	30.9	3	3.4	59.1

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1874phae.proj.1391.

2 Orb 23 h 57 m 20 s −18° 2′ −33

1874 ~~One reading~~

Oct. 28	20	4	36.2	53.9	0	31.9	49.9	
Nov. 2	20	4	37.6	52.0			~~36.1~~	omit 2nd & 5
7	20	4	33.0	49.7				
11	20	4	43.1	0.1	0	20.4	39.2	
19	20	4	34.0	43.6	0	45.0	54.1	
Dec. 10	25	0	18.7	35.6	0	51.6	6.9	lost 1st wire

(6)

1875

Nov. 3	5	1	9.5	14.0	1	53.9	55.9	
11	5	1	0.3	7.0	1	42.8	48.4	
17	5	1	8.1	8.9	1	49.0	49.0	
29	5	0	57.0	57.0	1	41.3	42.7	
30	5	1	0.1	55.1	1	57.9	53.9	
Dec. 14	5	0	55.7	52.5	1	41.3	38.0	

no more

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33 Piscium 23h 58m.8 −6° 24′ −11

1874

Oct 28	45	2	47.2	3.9	3	41.8	57.7
Nov. 2	45	2	48.0	2.1	3	25.1	39.6
7	45	2	41.0	56.2	3	36.0	52.2
9	45	2	40.6	55.9	3	32.7	48.7
11	45	2	42.8	57.7	3	32.2	46.9
19	45	2	46.0	53.0	3	48.9	57.0
Dec 10	45	2	54.5	8.9	3	50.1	4.0

(5) 1875

Nov. 3	25	3	58.1	59.7	4	41.0	43.2
11	25	4	4.1	10.5	4	56.4	4.0
17	25	4	4.0	3.2	4	54.2	53.0
21	25	4	9.6	10.9	0	3.9	7.1
29	25	4	4.1	3.5	4	55.0	54.7

No more

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675 to Aug 1875

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