HG
11366
v. 386

1974phae.proj.1390.

General Catalogue

Circle Readings - Explanatory Remarks

A 5 1874-5.

From h 15 m 38 to 20 h 6 m,

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1300.

QC
1874-J

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.



John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

α Serpentis $15^h 38^m .7^s + 6^\circ 8.9' + 12$

1874

June 23	40	2	36.8	53.9	—		39.9
30	40	2	38.9	57.7			
July 1	30	4	25.1	36.7	0	12.0	25.9
6	30	4	17.3	25.0	0	11.8	21.5
~~7~~	~~30~~	~~4~~	~~28.1~~	~~38.0~~	~~0~~	~~24.8~~	~~37.0~~
8	30	4	5.1	17.0	0	36.8	50.0
13	30	4	4.0	—	0	31.5	46.6
14	30	4	22.0	36.6	0	22.7	39.9
15	30	4	6.8	22.8	0	11.6	30.9
19	30	4	41.0	59.5	0	35.0	52.9

(9)

1875

July 1	15	1	18.7	42.2	2	6.2	28.1	
7	15	1	19.9	42.8	2	13.9	36.4	
8	15	1	38.0	1.7	2	14.8	36.4	lost 1st wire
10	15	1	13.9	36.8	2	16.0	38.4	
11	15	1	18.8	41.4	2	8.6	25.6	
12	15	1	14.7	37.7	2	4.0	24.1	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

β Serpentis 15h 40m 25s +15° 49′ +28° 0′ 74 18

1874

June	23	40	3	11.4	27.4	3	57.6	12.7
	28	40	3	12.5	30.0	4	6.5	25.0
	30	40	3	12.2	35.9	4	8.0	26.0
July	1	30	4	54.2	6.9	0	55.2	6.8
	6	30	4	50.4	59.7	0	53.1	2.1
	7	30	4	51.0	2.3	0	48.8	59.9
	8	30	4	37.1	48.9	1	6.1	18.7
	13	30	4	38.3	50.3	1	3.7	17.9
	14	30	4	47.7	3.3	1	7.1	21.6
	15	30	4	42.9	57.0	0	64.6	10.9
	19	30	4	42.6	58.9	0	0.9	17.9
	23	30	4	55.1	12.0	0	51.6	8.9

(7)

1875

July	1	15	1	55.1	14.8	2	40.0	59.8
	7	15	1	50.2	10.0	2	33.0	51.8
	8	15	1	49.4	8.1	2	50.7	10.1
	10	15	1	50.3	9.9	2	34.9	53.9
	11	15	1	57.8	17.0	2	42.1	59.9
	12	15	1	52.0	10.9	2	30.5	49.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

α Serpentis $15^h\ 43^m\ 6^s - 3^\circ\ 3'\ .0$

1874

June	23	30	4	23.0	41.0	0	10.1	29.1
	28	30	4	18.5	39.1	0	20.7	41.1
July	1	25	1	8.1	22.4	1	59.2	14.8
	8	25	0	51.6	7.8	2	20.0	35.0
	13	25	0	48.4	5.1	2	16.0	34.6
	14	25	1	15.2	34.0	2	7.9	26.2
	15	25	0	57.0	14.8			~~27.6~~
	19	25	0	53.0	12.9	2	9.1	28.4
	21	25	1	21.1	42.3	2	6.8	25.9
	23	25	1	9.9	29.0	1	6.0	18.9

(8)

1875

July	1	5	3	5.9	26.4	3	42.7	3.9
	7	5	3	2.1	23.1	3	43.1	4.7
	8	5	2	56.0	17.3	3	47.2	8.7
	10	5	3	2.1	22.9	3	53.1	13.7
	11	5	3	6.0	26.2	3	47.2	8.3
	12	5	3	1.3	21.7	3	51.0	10.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ε Serpentis $15^h\ 49^m\ 35^s + 4^\circ\ 54'\ +09$ 1

1874

June	23	40	0	31.8	46.4	1	16.2	33.1	
	30	40	0	27.5	46.7	1	22.9	42.0	
July	1	30	2	30.0	42.8	3	23.6	36.7	
	6	30	2	5.9	14.9	3	7.9	17.7	
	7	30	2	8.9	19.7	3	8.3	18.4	
	8	30	2	0.1	12.0				5 wires
	13	30	2	29.9	43.5	3	23.9	37.9	
	14	30	2	22.6	37.8	2	59.8	13.9	
	15	30	2	14.9	30.1				
	18	30	2	50.0	6.7				5 wires
	19	30	2	33.9	50.5	3	27.6	43.6	
	21	30	2	56.1	13.0	3	19.2	36.1	
	23	30	2	12.1	27.9	3	8.2	23.9	

(12) 1875

July	1	10	4	11.0	33.0	0	57.0	20.4
	7	10	4	6.1	27.7	4	56.9	18.0
	8	10	4	0.9	22.1	4	55.6	17.0
	10	10	4	4.7	25.8	4	54.5	16.6
	11	10	4	14.1	35.5	0	58.1	19.7
	12	10	4	3.4	24.2	4	2.2	23.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

λ Librae $15^h\ 46^m\ 05^s$ $-19^\circ\ 47'$ — .36

1874

June 23	15	3	25.7	44.8	4	13.2	32.9	
24	15	3	23.3	40.1	4	26.1	42.9	
28	15	3	26.4	47.8	4	20.8	41.0	
30	15	3	38.0	59.7	4	22.9	52.1	5 wires
July 1	10	0	9.7	27.0	1	4.4	21.0	
~~7~~	~~10~~	~~0~~	~~8.0~~	~~21.2~~	~~0~~	~~1.9~~	~~16.6~~	
8	10	0	2.9	19.7	1	17.9	34.9	
15	5	4	55.3	14.9	0	1.0	20.1	
18	10	0	24.5	46.4	1	10.1	31.8	
19	10	0	4.6	24.9	0	63.5	23.9	
23	10	0	12.5	34.8	0	52.9	12.9	

(8)

1875

July 1	50	2	8.1	27.5	2	50.0	9.7	
7	50	2	0.1	19.5	2	50.1	9.7	
8	50	2	43.1	2.1	2	54.5	15.4	
10	50	2	18.5	39.8	3	5.1	23.3	lost 1st wire
11	50	2	25.9	43.4	3	7.6	24.9	
12	50	1	56.9	15.7	2	45.3	2.9	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

5 Nr. Min. $15^h 48^m 33^s + 78^\circ 11' + 4.78$

1874

June	23	20	2	35.9	41.6	3	6.2	12.9
	24	20	2	42.9	47.1	2	2.2	6.0 lost 9 rej. 8
	28	20	2	36.7	44.7	2	54.3	3.9
	30	20	2	39.9	49.8	2	58.0	8.2
July	1	10	4	25.9	29.0	4	46.5	49.1
	6	10	4	7.1	7.4	0	2.9	3.4
	7	10	4	14.7	16.0	4	51.5	52.1
	8	10	4	19.2	23.3	4	47.8	50.5
	13	10	4	9.2	13.3	4	33.2	38.1
	14	10	4	13.7	19.6	4	42.0	48.0
	15	10	4	13.7	21.0	4	44.9	52.0
	18	10	4	24.0	—	4	45.5	53.2
	19	10	4	12.9	19.9	4	52.3	58.4
	21	10	4	9.6	17.4	4	51.1	58.9
	22	10	4	22.5	32.2	4	45.0	53.0
	23	10	4	20.0	28.0	4	41.0	49.5

19

1875

July	1	55	1	7.1	32.1	1	30.7	55.4
	7	55	1	5.9	30.1	1	20.9	45.5
	8	55	1	7.3	33.4	1	30.8	56.3
	10	55	1	4.9	28.7	1	29.5	53.8
	11	55	1	6.6	32.3	1	32.8	57.1
	12	55	1	7.8	31.6	1	25.8	49.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

γ Serpentis $15^h 50^m 41^s +16^\circ 8' +29$

1874

June	23	25	2	59.9	16.0	3	43.7	0.9
	28	25	2	44.5	3.0	3	42.7	1.3
	30	25	2	52.0	10.4	3	35.0	54.4
July	1	15	4	35.8	47.0			
	~~7~~	~~20~~	~~0~~	~~8.4~~	~~20.0~~			
	8	15	4	29.1	40.9	0	42.4	53.6
	13	15	4	48.3	1.0	0	44.1	57.7
	15	15	4	28.2	43.0	0	28.1	44.8
	19	15	4	43.1	56.5			
	22	15	4	21.0	38.1	0	25.2	42.9
	23	15	4	33.5	48.4	0	18.8	35.7

A 24 fold

(8)

1875

July	1	0	1	30.1	51.1	2	16.9	38.4
	7	0	1	26.5	47.3	2	13.4	34.4
	8	0	1	21.9	42.9	2	20.4	41.4
	10	0	1	22.5	43.2	2	4.8	24.8
	11	0	1	23.1	42.9	2	15.4	34.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ν Scorpii 15 h 52 m 57.7 s − 22 ° 16 ′ − 41 ″ ecl. minute

(53)

1874

~~Jan 17 45 1 38.8 47.3~~

	28	45	1	25.5	47.4			
July	6	35	3	19.9	34.1	3	3.2	16.7
	8	35	3	7.1	23.2	4	15.8	30.5
	13	35	3	3.7	19.4	4	30.0	46.5
	14	35	3	3.0	21.0	4	12.4	30.8
	15	35	3	6.0	24.0			
	19	35	3	7.5	27.6	3	59.5	19.3
	22	35	3	19.3	40.4	4	7.0	26.9
	23	35	3	17.4	36.9	4	5.0	23.8

(9)

1875

July	7	20	0	13.0	34.9	1	5.9	26.5
	8	20	0	13.8	35.4	0	46.9	7.8
	10	20	0	16.8	38.3	0	53.8	14.2
	11	20	0	15.7	35.1	1	10.0	29.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Gr. 2296 15 57 49 +55° 6 + 1.43

1874

~~June 25 2 4.0 91~~

June 23 25 1 26.3 35.2

July 6		15	3	19.8	21.3		
7	~~15~~	~~3~~	~~12.0~~	~~15.5~~	~~4~~	~~8.2~~	~~11.5 rej~~
8		15	2	1.9	8.3	4	13.2	18.7
13		15	3	12.0	18.9	4	13.5	20.1
14		15	3	17.1	25.7	3	51.1	29.9
15		15	3	7.9	17.6	4	7.0	14.3
18		15	3	11.0	21.0	3	3.1	13.4
19		15	2	57.8	7.5	3	5.3	13.1
21		15	2	53.0	5.4	3	57.1	8.5
22		15	3	14.1	25.8	3	54.9	7.0
23		15	3	7.7	18.5	3	45.4	57.3

A +1

(13)

1875

July 7	55	4	57.9	22.5	0	54.7	19.7
8	55	4	59.3	23.9	0	37.4	3.1
10	55	4	59.3	23.1	0	35.9	1.2
11	55	4	57.1	20.8	0	37.4	2.9
12	55	4	54.8	17.2	0	35.6	58.9

new sheet

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

β Scorpii $15^h\ 58^m\ 10^s$ $-19^\circ\ 28'$ -35

1874

~~June 55 4 48 19.6~~

June 23 Δ=CAR. Rej

July 7	50	0	13.9	29.1				B,
8	50	0	9.1	24.8	1	16.4	33.8	B,
13	50	0	1.3	18.3				A 2, 3, 4, 5.
14	50	0	6.0	25.0				
15	50	0	12.7	34.0				
18	50	0	5.8	26.3	1	15.9	37.0	
19	50	0	16.1	35.7	1	19.5	39.5	
21	50	0	10.4	30.9	1	19.0	40.2	
22	50	0	29.0	50.9	1	11.2	31.9	
23	50	0	20.7	43.5	1	16.7	37.9	
30	50	0	19.0	40.2	1	10.7	49.9	

(12)

1875

July 7	30	2	10.6	28.9	3	0.7	19.0
10	30	2	11.7	30.2	2	55.4	14.0
11	30	2	16.1	35.5	3	10.0	28.3
12	30	2	10.4	29.4	2	53.7	12.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

δ Draconis 15h 59m 33 +58 52 + 1.66

1874

~~June 17~~	~~35~~	~~4~~	~~5.2~~	~~10.4~~				
June 23	35	4	2.3	10.2				
July 6	30	0	26.2	28.9	1	19.0	20.8	
7	30	0	36.0	31.9	1	25.0	30.0	
8	30	0	47.9	54.0	1	16.9	24.0	
13	30	0	46.7	54.3	1	39.8	47.8	
14	30	0	21.4	32.9	1	11.6	20.8	
15	30	0	31.9	41.8	1	10.5	19.2	
19	30	0	54.0	6.7	1	25.9	35.9	
22	30	0	44.7	56.9	1	14.5	28.0	
23	30	1	7.9	18.9				A3+C.
30	30	0	42.9	52.6	1	13.9	25.0	

(13)

1876

July 3	10	2	37.8	0.4				
7	10	2	29.9	53.1	2	55.1	19.5	
10	10	2	33.8	57.9	2	54.0	17.9	
11	10	2	36.8	0.8	3	0.3	23.9	and. wires
12	10	2	30.5	53.2	2	56.2	19.6	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

72 37

χ^1 Herculis $16^h\ 2^m\ 26^s$ $+17^\circ\ 23'$ +31

1874

~~June 5 4 32.1 43.2~~

June 23 5 4 5.6 20.0

28 5 4 5.9 21.8

July 6	0	1	37.6	44.9				pr. #
7	0	0	55.7	7.1	2	6.12	25.6	pr. #
8	0	0	41.0	53.7	1	44.1	56.9	both in A.R, only
13	0	0	38.1	51.9	2	19.0	32.4	
14	0	1	35.0	50.0				mel. gr.
15	0	0	53.4	10.5				
18	0	0	44.0	59.7	1	52.9	8.5	K1
19	0	0	40.2	57.9	1	45.0	2.9	"
22	0	0	47.4	5.7	1	47.9	6.1	"
23	0	1	13.0	31.8	1	55.0	12.7	"
30	0	0	44.9	2.2	1	55.9	12.6	"

(11)

1875

July 3	40	2	49.7	10.1			
July 7	40	2	54.1	14.9	3	43.9	4.1
8	40	2	46.5	7.9	3	48.1	9.4
10	40	2	50.8	11.1	3	38.9	58.9
11	40	2	49.5	9.2	3	44.1	3.7
12	40	2	56.1	16.0	3	45.4	4.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ν^2 Scorpii $16^h\ 4^m\ 46^s$ $-18°\ 8'$ $-.35$

1874

June 17	35	3	5.70	12.1				
June 23	35	3	5.3	8.2				A+1
28	35	3	~~58.6~~	19.2				
July 6	30	0	33.8	45.7	1	34.0	47.8	ν^2
7	30	0	40.5	53.3	1	36.0	48.9	ν^2
8	30	0	31.1	47.3	1	44.5	0.3	ν^2
13	30	0	25.2	42.9	1	19.2	35.9	A 2, 3, 4, 5
14	30	0	35.3	51.5				
15	30	0	47.8	5.4	1	52.7	10.7	
19	30	0	35.6	57.9	1	51.1	13.0	
21	30	0	21.9	44.8	1	57.0	17.6	
22	30	0	32.1	54.7	1	33.9	53.9	
23	30	0	34.0	56.0	1	20.0	41.9	
30	30	0	31.4	50.2	1	21.1	41.3	

(11)

1875

July 3	10	2	35.2	52.1				
7	10	2	33.9	52.9	3	17.2	37.2	
8	10	2	34.8	54.0	3	25.9	45.9	
10	10	2	36.3	55.8	3	24.1	44.5	
11	10	2	41.9	0.8	3	30.9	49.8	
12	10	2	41.1	55.7	3	38.7	57.1	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

V. H.

h m s ° ′ ″

H. 2320 16 5 59 +68 8 +2.49

1874

~~June 17 25 0 10.5 15~~ A_1

July 7	15	1	50.9	53.9				
8	15	1	55.1	0.5	last 3 wires + A_1			
13	15	1	34.2	40.9	1	59.1	5.9	
14	15	1	30.9	39.5				
15	15	1	46.9	53.9				last 4 wires.
18	15	1	14.5	21.4	1	53.5	0.5	
19	15	1	58.0	7.1				A_1
21	15	1	49.5	59.9				
22	15	1	33.9	44.0				
23	15	1	30.7	41.8				
30	15	1	30.1	39.2				false stroke before last rattle

(13)

1875

July 7	55	3	20.9	45.9	3	40.4	4.9
8	55	3	21.6	47.9	3	44.1	9.6
10	55	3	28.7	53.0	3	40.1	4.5
11	55	3	22.8	48.8	4	4.1	27.3
12	55	3	25.0	49.8	3	47.2	11.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

λ Ophiuchi $16^h\,1^m\,5^s$ $48 - 3^\circ\,2'\,2'' - .06$

1874

July 6	45	0	27.1	40.1	1	28.9	41.0	
7	45	0	36.5	50.5	1	30.0	44.1	
8	45	0	56.9	12.5	1	50.0	4.7	lost 1st 2 wires
13	45	0	36.0	52.0	1	45.1	1.9	
14	45	1	23.2	40.3				
15	45	1	19.2	38.3			49.4	
18	45	0	53.8	14.0	1	45.0	5.4	
19	45	0	41.1	2.1	1	41.4	1.3	
21	45	0	23.7					
22	45	0	43.3	5.5	1	43.9	4.9	
23	45	0	37.9	58.5	1	27.0	47.2	
30	45	0	35.3	55.5	1	23.9	43.3	5 wires
Aug. 2	45	0	35.4	56.0	1	21.0	41.4	

(12)

1875

July 3	25	2	32.7	52.8				
7		25	2	26.7	47.6	3	25.1	45.9
8		25	2	30.0	51.0	3	28.5	49.0
10		25	2	33.2	53.4	3	28.3	48.0
12		25	2	29.9	49.7	3	12.9	33.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ε Ophiuchi 16 h 11 m 43 s − 4° 23′ 08″

~~June 7 55 4 44.1 58.6~~

June 23 50 4 48.6 38

~~26 50 4 49.9 8.2~~

July 7	45	1	27.1	39.9	2	25.9	38.9	
8	45	1	20.0	35.9	2	48.2	3.0	
14	45	1	17.5	35.1	2	21.9	39.4	
15	45	1	20.8	37.5	2	25.0	41.3	
18	45	1	22.7	41.8	2	32.0	49.9	
19	45	1	22.6	42.6	2	26.5	46.3	
21	45	1	20.1	40.9	2	23.8	44.9	
22	45	1	33.8	53.0	2	19.9	41.3	
23	45	1	34.8	54.7	2	20.9	40.1	
30	45	1	29.5	48.0	2	14.9	33.0	
Aug. 2	45	1	27.7	43.2	2	15.0	34.7	

(II)

~~25 3~~ 1875

July 8 25 3 24.9 44.7

7	25	3	22.1	44.4	4	13.1	34.1
8	25	3	21.5	43.8	3	54.4	15.0
10	25	3	24.2	44.9	3	58.7	19.7
11	25	3	25.6	45.4			
12	25	3	20.4	40.3	3	44.1	3.0
Aug. 8	25	3	18.0	40.2	4	17.9	39.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

19 Rev. Mini $16^h 14^m .5 + 76^\circ 11' + 4.0$

1874

January							
Jan 23	20	1	5-2.3	J-9.6			
28	20	1	49.2	57.8			
July 7	10	3	18.8	21.9	3	1.0	3.9
8	10	3	20.3	25.3	3	5.9	10.5
14	10	3	26.1	33.1	3	51.0	57.5
15	10	3	22.8	30.1	3	55.1	1.5
18	10	3	17.1	26.1	3	57.0	6.1
19	10	3	21.1	30.1	3	53.9	3.1
21	10	3	18.2	27.6	3	50.7	0.6
22	10	3	28.0	39.3	3	54.7	4.7
23	10	3	21.9	33.0	3	50.2	0.3
27	10	3	36.4	43.7	3	52.5	1.8
30	10	3	25.0	35.4	3	50.1	59.0
Aug. 2	10	3	28.0	38.7	3	52.0	1.9

(9)

1875

July 3	55	0	29.6	57.9			
7	55	0	9.3	32.9	0	27.1	50.2
8	55	0	12.9	37.9	0	33.3	57.1
10	55	0	15.5	13.9?	0	33.0	55.9
11	55	0	13.8	39.1	0	42.2	5.9
12	55	0	8.9	32.3	0	35.5	57.5
Aug 10	55	0	18.5	41.2	0	33.7	56.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2 Herculis 16h 16m 24s +19° 27' +35

1874

Jan 17	5	0	14.1	23.5				
23	5	0	17.9	33.5				
28	5	1	3.3	19.5				
July 7	55	1	56.9	6.9	2	55.4	5.8	
8	55	2	10.1	20.9	3	9.6	20.5	
15	55	2	49.2	2.0				md. wire + foll.
22	55	1	2.2	19.9	2	57.0	13.4	
23	55	1	1.3	18.1	2	37.0	32.1	
27	55	1	54.9	9.4	2	51.4	6.5	
Aug. 2	55	2	38.5	54.2				5 wires
5	55	1	0.1	16.3	2	44.0	0.0	

(13)

1875

July 7	35	3	53.7	15.5	4	40.4	2.9	
8	35	3	52.6	14.9	4	32.6	53.9	
10	35	3	48.9	10.8	4	30.5	51.8	
11	35	3	50.5	11.5	4	43.8	4.5	
12	35	3	54.3	14.9	4	41.9	2.3	
Aug. 4	35	4	15.9	36.2				5 wires
8	35	3	42.6	4.7	4	30.1	51.3	
10	35	4	34.0	52.2	4	50.0	10.4	lost 1st wire

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ν Herculis $16^h 19^m 39^s + 14^\circ 19' + 25''$

June 17	10	2	37.1	48.2				
~~23~~	~~5~~	~~0~~	~~14.9~~	~~33.5~~				
23	10	2	44.2	58.8				
28	10	2	50.0	6.3				
July 7	0	4	28.0	39.2	0	19.0	30.2	
8	0	4	11.3	22.1				
15	0	4	12.6	25.3	0	18.1	30.0	
19	0	4	15.0	31.4	0	39.9	51.9	
22	0	4	28.2	45.0	0	13.3	32.4	
23	0	4	28.1	44.5	0	21.9	39.7	
27	0	4	25.5	40.0	0	17.8	32.8	
28	0	4	25.1	40.4	0	3.4	19.2	
30	0	4	27.0	43.5	0	16.3	32.2	
Aug. 2	0	4	28.2	45.0	0	22.1	39.5	
5	0	4	31.0	46.9	4	1.0	17.8	

(10)

1875

Aug.	30	1	23.8	43.0				
	7		45	1	16.2	38.9	2	4.1	24.5
	8		45	1	19.1	41.1	2	6.9	26.7
	10		45	1	24.1	45.9	2	6.4	26.6
	11		45	1	17.5	37.5	2	5.3	24.2
	12		45	1	19.9	40.4	2	11.8	30.8
Aug.	4		45	1	8.8	27.9	2	2.5	20.9
	9		45	1	15.1	34.8	2	13.5	32.7
	10		45	1	12.9	31.1	2	3.2	20.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2 Scorpii $16^h\ 21^m.45^s - 26^\circ\ 8' - .49$

1874

June 23 A.R.

July 7 A.R.

8	30	1	1.7	17.3
15	30	1	0.9	17.6
22	30	1	10.0	30.8
23	30	1	13.2	34.5
27	30	1	7.9	25.5
28	30	1	13.1	32.3
30	30	1	13.0	32.5
Aug. 2	30	1	8.1	27.9
3	30	1	11.5	31.1
5	30	1	10.1	30.6

(12)

1875

July 7	10	3	0.7	20.3
8	10	3	2.5	22.3
10	10	3	4.8	24.1
11	10	3	6.7	24.9
12	10	3	2.3	21.9
Aug. 7	10	3	0.4	20.9
9	10	3	9.7	28.2
10	10	3	8.4	25.6

rej A_{+1}

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

η Draconis 16h 21m 10s +76° 2' +40 2

η Ursæ Minoris 21 10

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

η_2 Draconis 15^h [illegible] 18^s $+61^\circ 48' +1.87$

$\eta_1 \times \eta_2$ to be observed if possible

June 27	45-0		59.2	28				No η_1 to be seen.
29	45-0		33.5	40.3				$\Delta 4 \sim @$ η_1 " "
28	45-0		5.0	13.5				
30			ΔR_1			$R_1 J$		
July 6	35	1	48.1	48.1				
7	35	1	1.9	5.9	2	27.0	30.0	
8	35	2	20.9	25.4	2	39.7	44.9	
13	35	1	30.2	37.0	2	9.9	16.1	
14	35	1	43.8	51.6	2	23.3	31.8	
15	35	1	59.9	6.4				
18	35	1	37.0	45.9	2	26.9	36.0	
19	35	1	58.5	7.8	2	31.3	40.4	
21	~~40~~	1	~~40.6~~	~~50.5~~				
22	35	2	9.1	19.1	2	27.6	39.0	
23	35	2	1.2	10.9	2	32.7	42.1	
27	35	1	58.9	7.7	2	27.1	36.2	
28	35	1	0.3	9.9	2	25.5	34.1	
30	35	2	3.7	12.2	2	27.9	37.1	rej. A 7
Aug. 2	35	1	56.9	7.9	2	26.1	36.9	
3	35	1	56.0	6.0	2	20.5	30.4	
5	35	1	55.7	7.0	2	22.5	33.9	
(15) 6	35	2	20.1	30.8	2	48.0	57.9	A_{-1}
(16) [illegible] 5								

"Wire out clear. Ok to operate"
"To stay in single window"
"Be aware low horizon"
"Use Guest ID"

The procedure of the Guest Observer with the Optical Monitor is described in "OM Users Guide Appendix A"

July 13	15	3	37.3	59.5				
July 7	15	4	4.5	29.0	4	21.1	46.1	
8	15	4	5.1	29.7	4	17.1	43.5	md. wires lost,
10	15	3	51.9	16.9	4	16.1	40.3	
11	15	4	10.3	33.4	4	30.8	54.0	K_{-1}
12	15	3	57.8	20.6	4	13.3	35.0	
Aug. 4	15	3	39.1	4.1	4	5.0	28.9	
7	15	3	40.1	5.4	3	59.5	24.4	
8	15	3	39.9	4.1				lost last 2 wires
9	15	3	42.2	5.9	4	5.3	29.0	
10	15	3	38.8	1.7	3	58.1	20.7	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1890.

λ Ophiuchi $16^h\ 24^m\ 37^s + 2^\circ\ 16' + .0\ 4$

1874

Jan 30	15	1	9.8	37.9				
July 15	5	2	15.0	4.3	3	56.0	6.0	
19	5	2	42.1	58.3	3	3.6	18.5	
27	5	3	3.9	18.1	3	50.3	5.8	
28	5	2	44.8	1.8	3	42.5	56.9	
30	5	2	0.8	17.2	3	53.5	9.4	
Aug. 2	5	2	58.9	15.3	3	48.2	5.1	
3	5	2	57.6	14.8	3	40.8	55.9	
6	5	3	32.6	47.9				md. gr.

(9)

1875

July 8	45	4	59.5	20.0				
8	45	4	52.0	14.2	0	38.5	59.8	
10	45	4	48.1	10.5	0	37.2	59.2	
11	45	4	54.9	15.9	0	46.1	8.2	
12	45	4	51.4	12.0	0	40.0	1.2	
Aug 4	45	4	45.1	5.9	0	50.3	12.1	
7	45	4	45.8	7.5	0	34.5	57.0	
9	45	4	48.6	7.5	0	42.9	3.0	
10	45	4	48.8	8.9	0	32.8	52.8	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

τ Scorpii 16h 28m 06s −27° 58′ 53″

(next #)

1874

July 14	15	3	58.9	16.0	4	59.7	16.3	
18	15	3	56.5	14.5	0	10.3	30.9	
19	15	3	5.7	15.0	4	2.1	20.1	
22	15	4	12.3	31.7	4	52.9	14.5	lost 1st T. wire
23	15	4	7.5	26.0	4	0.8	20.2	
30	15	4	9.1	26.7	4	52.2	10.4	
Aug. 3	15	4	4.1	22.4	4	53.1	12.0	

(11)

1875

July 8	0	0	53.3	16.0	1	46.9	19.0
11	0	1	2.0	23.7	1	51.6	13.0
Aug. 7	0	0	56.0	17.9	1	47.4	9.9
9	0	0	54.5	15.8			
10	0	0	58.3	19.0			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

A Draconis $16^h\ 28^m.14^s\ +65°\ 2'\ 26''.1$

June	13	0	0	49.2	54.2			
	23	30	0	12.9	50.7			
	30	30	1	15.8	27.2			
July	15	20	2	3'3.5	39.9	2	57.0	4.5
	27	20	2	13.9	21.7	3	7.0	14.7
	28	20	2	19.0	27.9	2	57.1	5.1
Aug.	2	20	2	28.0	37.9	2	57.9	8.1
	5	20	2	31.6	41.7	2	32.0	41.4
	6	20	2	32.8	43.2	2	58.0	8.2

(9)

1875

July	10	0	4	17.8	42.9	4	43.2	7.1
	12	0	4	20.0	43.0	4	43.6	6.8
Aug.	4	0	4	34.1	58.3			
	9	0	4	37.0	2.9			
	10	0	4	49.0	13.7			

A

A_{-1}

$A_{-1, 2, 3}$

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N. N.

ζ Ophiuchi $16^h\ 30^m\ 48^s - 10^\circ\ 19'\ -18$

1874

June 17	52	0	3.3	25.3				
23	52	0	17.8	37.2				
July 14		40	1	43.2	1.5	3	10.3	28.3
15		40	1	45.9	1.1	2	51.7	7.3
18		40	1	36.1	54.3	2	45.1	3.9
19		40	1	42.1	2.8	2	38.3	58.1
21		40	2	19.2	39.9			5 wires
22		40	1	54.0	14.7			
23		40	1	52.1	12.8	2	43.3	4.8
28		40	1	46.1	5.3	2	34.0	52.7
30		40	1	56.5	16.4	2	50.1	9.3
Aug. 2		40	1	56.0	15.4	2	43.0	4.5
3		40	1	49.8	10.2	2	39.1	58.5
5		40	1	56.0	15.0	2	40.4	0.9
6		40	1	54.0	30.0	2	40.8	58.5

(9) 1875

July 8		20	3	55.9	15.2	4	41.5	59.9
10		20	3	43.5	2.7	4	30.9	50.1
11		20	3	45.0	2.9	4	32.2	49.7
12		20	3	49.2	8.9	4	38.6	54.8
Aug. 4		20	3	45.1	3.9	4	36.0	52.1
7		20	3	42.9	1.0	4	22.9	41.9
9		20	3	43.9	2.5	4	34.0	50.9
10		20	3	44.1	0.8	4	49.4	7.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

B.A.C. 5579 16h 34m 21s −14° 30′ .3

1874

June 17	0	0	48.2	5.6															
June 23	0	0	54.0	12.6															
30	0	0	59.5	18.1															
July 14	50	2	29.7	47.9	3	29.1	46.6												
15	50	2	38.4	54.0			44.0												
18	50	2	28.2	47.9	3	37.9	55.3												
19	50	2	41.0	0.9	3	32.2	50.9												
21	50	2	23.7	43.8	3	30.8	50.0												
22	50	2	40.1	60.0	3	16.0	36.7												
30	50	2	41.1	0.3	3	36.5	55.1												
Aug. 3	50	2	30.9	50.8	3	24.2	43.2												
5	50	2	42.6	1.1	3	29.8	48.1												
6	50	2	43.5	2.9	3	16.7	36.9												

(11)

1875

July 7	30	4	34.3	53.0	0	29.1	46.6												
8	30	4	31.9	50.8	0	7.7	28.1												
10	30	4	30.4	46.9	0	10.0	30.2												
11	30	4	43.0	0.9	0	34.1	53.9												
12	30	4	35.0	52.6	0	11.0	30.3												
Aug. 7	30	4	26.2	46.3	0	27.1	48.2												
9	30	4	33.0	49.9	0	20.8	40.2												
10																			

J. Tr.
A. R.

Gr. 2373 16h 36m 3s +77° 42′ +4.5

June 23 A Ri Rej S (next #)

July 18	40	3	32.3	39.1	3	51.8	58.0												
19	40	3	32.0	39.0	3	52.0	59.1												
21	40	3	32.9	41.5	3	52.2	0.2												
Aug. 2	40	3	25.3	33.6	3	45.9	53.7												
5	40	3	29.0	37.5	3	49.0	56.8												

(6)

1875

July 8	25	0	17.5	43.0	0	31.5	56.5												
11?	25	0	19.0	44.1	0	37.0	1.5												
Aug. 7	25	0	11.9	39.1	0	27.0	53.5												
9	25	0	23.1	36.8	0	26.1	50.6												
10	25	0	19.6	45.1															

Get next star
One reading
lost 1st 2 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ζ Hercules $16^h 36^m 8^s$ $+31° 56'$ +.62

1874

[illegible]	40	2	33.3	42.2				
	30	40	2	41.6	57.9			
July 22	30		4	14.6	28.0	4	41.5	54.8
Aug. 3	30		4	20.5	34.0	4	1.0	14.7
6	30		4	15.2	27.7	0	8.4	21.7

(7)

1875

July 10	15		0	59.4	23.9	1	55.0	19.1
12	15		1	2.4	26.1	1	45.8	8.9
Aug. 4	15		0	57.1	21.3	1	44.2	8.2

η Hercules 16 38 37 −39 10

(14)

1875

July 7	55		1	18.7	43.9	1	58.7	22.2
8	55		1	20.8	46.1	2	6.5	30.1
10	55		1	20.2	44.8	2	13.1	37.3
11	55		1	20.0	44.9	2	1.5	24.7
12	55		1	18.2	41.2	1	44.2	7.1
Aug. 4	55		1	12.9	37.5	1	55.2	19.0
7	55		1	13.3	39.0	1	56.9	21.2
9	55		1	10.0	33.9	1	59.4	22.1
10	55		1	7.8	31.1	1	58.2	20.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

η^2 Herculis $16^h\ 38^m\ 37^s + 39^\circ\ 10' + 82$

1874

Jan 1	20	2	55.3	33				
June 23	22	2	55.4	4.1				
30	20	2	54.5	6.3				
July 13	10	4	11.5	19.9	0	43.9	53.9	
14	10	4	16.6	26.5	0	15.5	39.1	Rept #
18	10	4	17.4	28.0	0	23.0	36.4	
19	10	4	31.0	42.5	0	16.8	29.2	
21	10	4	40.3	52.8	0	29.0	44.0	
22	10	4	29.1	42.8	0	15.9	31.4	
23	10	4	44.7	57.4	0	25.9	40.7	
28	10	4	29.9	41.3	0	12.0	24.3	
30	10	4	31.9	44.7	0	11.5	25.1	
Aug. 2	10	4	30.1	41.4	0	22.2	35.5	
3	10	4	35.9	48.2	0	15.7	29.9	
5	10	4	32.5	44.9	0	4.7	19.1	
6	10	4	37.0	48.4	0	22.4	37.1	

$\eta = \alpha$ Cancri $16^h\ 41^m\ 38^s + 66^\circ\ 1'$?

113 5-2

July 19	45	0	10.7	15.5	28.c			
22	45	0	30.7	39.2				
23	20	0	22.2	30.3	0	2.9	10.3	
27	35	0	16.2	21.3			52.9	
28	35	0	22.5	27.0	0	56.9	1.4	
30	35	0	15.1	21.1	4	56.7	1.9	
Aug. 2	35	0	12.1	18.2	0	0.3	6.9	
3	35	0	19.0	25.0	0	1.2	7.9	
5	35	0	21.2	29.2	0	10.0	16.5	
(8) 6	35	0	32.1	40.3	0	6.8	15.1	

1875

April 7	15	2	9.8	39.1	1	54.1	23.9	3° 15'
10	15	2	7.9	37.8	1	46.5	15.5	
11	15	1	54.9	22.4	1	31.7	0.4	
12	15	2	3.8	1.7	1	42.2	10.8	8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Gr. 2377 $16^h\ 42^m\ 56^s$ $+54^\circ\ 00'$ +154

1874

July	13	20	4	17.0	22.9			
	15			A.R.				
July	19	20	3	55.1	6.1	0	0.1	11.1
	22	20	4	4.7	15.4	4	47.6	58.1
	23	20	4	14.0	23.3	4	43.9	53.3
	27	20	4	25.1	34.3	0	57.2	6.9
	28	20	4	11.7	20.4	4	54.7	4.7
	30	20	4	30.2	40.9	0	11.1	23.3
Aug.	2	20	4	10.9	20.0	4	51.7	1.8
	3	20	4	11.2	21.0	4	48.8	58.4
	5	20	4	13.1	22.9	4	45.8	56.7
	6	20	4	14.7	25.0	4	39.4	49.5
(12)								
	1875							
Aug	8	5	1	2.9	26.6			
	7	5	1	5.7	30.1	1	41.8	7.9
	8	5	0	54.1	19.4	1	16.4	41.9
	10	5	0	50.7	15.9	1	27.5	52.3
	11	5	1	25.8	50.4	1	45.4	9.4
Aug	9	5	0	46.6	11.7	1	31.5	55.1
	10			A.R.				

lost 1st wire

lost 1st wire of the 9

J. T. M.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

49 Herculis $16^h 46^m 23^s + 15^\circ 11' + 2''$

1874

July	13	10	2	45.8	0.1	~~23.3~~			~~53.3~~
	27	10	2	40.1	54.8		3	30.1	45.2
	28	10	2	44.9	59.9		3	29.1	53.2
	30	10	2	36.2	53.1		3	9.7	55.9
Aug.	2	10	2	43.8	0.9		3	36.0	46.2
	3	10	2	39.2	55.3		3	37.4	53.0
	5	10	2	45.1	1.1		3	28.9	45.7
	6	10	2	43.1	58.9		3	31.2	47.9

(10)

1875

~~d w~~	~~50~~	~~4~~	~~29.0~~	~~48.1~~				
7	50	4	27.7	48.9	0	13.3	36.1	
8	50	4	27.0	47.1	0	19.0	40.0	
11	50	4	32.6	50.4	0	18.4	38.9	
12	50	4	32.5	50.7	0	6.5	25.9	
Aug. 7	50	4	28.0	47.8	0	25.2	46.3	lost A -1', 143
9	50	4	29.9	47.3	0	20.4	40.7	
10				A. R.				J.T.M. rej. 1st stroke
14	50	4	34.8	50.9	0	23.9	42.8	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

25 = i

79° 38'

H' Ophiuchi 16h 48m .06s +10° 22' +18

1874

July	13	0	1	21.8	35.9			
	19	0	0	3.9	19.6	2	8.7	—
	27	0	1	25.9	40.8	2	14.5	29.4
	28	0	1	23.2	39.3	2	10.1	25.1
	30	0	1	25.5	43.0	2	8.5	24.9
Aug.	2	0	1	20.2	38.8	2	10.0	27.3
	3	0	1	23.1	40.2	2	10.1	27.1
	5	0	1	24.8	42.1	2	8.3	25.0
	6	0	1	27.0	43.9	2	21.0	37.2

(9)

1875

July	40	3	18.2	41.8				
	7	40	3	16.9	38.8	4	11.0	32.1
	8	40	3	11.1	32.4	4	5.7	25.8
	11	40	3	8.6	29.0	4	5.4	24.7
	12	40	3	48.7	9.1			Az of foll.
Aug.	7	40	3	14.5	36.0	4	8.8	28.5
	10				A.R.			
	14	40	3	8.6	26.5	3	59.7	17.8

1.7 m.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

k Ophiuchi $16^h\ 5^m\ 45^s$ $+9^\circ\ 8'$ +.1?

1874

July 13	Λ	45	4	35.0	46.5			
	19	45	4	11.9	26.8	0	17.0	34.0
	22	45	4	24.6	42.7	0	23.8	41.0
	27	45	4	24.0	39.1	0	21.8	36.8
Aug.	2	45	4	30.7	46.9	0	15.9	33.6
	3	45	4	20.3	36.6	0	2.4	19.9
	5	45	4	25.4	41.9	0	14.2	30.9
	6	45	4	31.5	46.9	0	17.8	34.4

(10)

1875

July	11	30	1	17.9	38.9	2	9.5	29.1
	12	30	1	17.7	38.4	1	55.8	~~26.4~~ 15.3
	31	30	1	12.0	32.9	2	8.0	28.6
Aug.	7	30	1	14.3	36.5	1	59.4	22.1
	10	30	1	10.0	29.6	1	56.8	16.3
	14	30	1	14.1	33.9	2	6.4	25.3
	26	30	1	3.1	20.8	2	2.8	20.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ε Herculis $16^h\ 55^m\ 30^s + 31^\circ\ 7' + ,60$

1874

July	13	15	2	23.3	35.8	3	41.6	57.3
	19	15	2	21.9	35.0	3	12.9	26.5
	22	15	2	25.9	40.0	3	13.6	27.5
	27	15	2	24.2	36.9	3	11.0	22.8
	28	15	2	19.9	32.3	3	10.3	22.9
	30	15	2	21.1	35.5	3	10.7	23.4
Aug.	2	15	2	20.7	35.8	2	59.8	14.8
	3	15	2	20.9	35.3	3	3.5	16.7
	5	15	2	24.1	37.9	2	55.8	9.5
	6	15	2	24.3	39.0	3	14.5	26.7
	10	15	2	23.9	38.1	2	59.2	12.9

(13)

1875

ε Ulβ 55 4 10.5 330

	7	55	4	7.6	33.2	4	41.1	6.9
	8	55	4	12.4	37.9	4	56.1	20.9
	11	55	4	10.2	33.4	4	42.2	7.4
	12	55	4	11.9	36.4	4	1.4	25.0
	31	55	4	22.1	46.9	0	1.8	26.9 adj. A.1
Aug.	7	55	4	5.0	29.0	4	53.9	19.6
	10	55	4	2.6	25.0	4	39.7	4.1
	14	55	4	7.6	31.3	4	54.1	17.8
	26	55	4	26.9	48.0	4	58.8	20.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

(9) Comet 1874 Aug. 16h 41m 38s 113 52 − 226

1874

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Elect. Mini $16^h\ 58^m\ 57^s\ +8°\ 2'\ 14''$

1874

July 13	10	0	43.9	48.9	1	14.0	17.9	
19	10	0	52.5	58.2	1	18.1	25.9	
22	10	0	58.0	6.9	1	13.0	21.1	
27	10	0	50.1	56.4	1	11.4	16.8	
28	10	0	50.1	56.8	1	16.5	22.8	
30	10	0	56.0	4.2	1	5.2	12.5	
Aug. 2	10	2(?)	49.9	58.4	1	12.4	20.1	
3	10	0	49.8	57.9	1	8.0	16.1	
5	10	0	51.7	59.4	1	7.9	15.1	
6	10	0	51.2	57.9	1	9.0	16.4	
10	10	0	51.5	1.9	1	3.3	12.0	
~~24~~	~~10~~	1	5.6	14.1				

(13)

1875

July 3	50	2	42.1	8.8						
7	50	2	35.8	1.3	2	53.1	19.5			
8	50	rej. at 58		2.1	2	40.9	7.5	2	51.1	17.9
11	50	2	35.9	1.6	2	53.3	18.7			
12	50	2	40.9	5.9	2	56.7	20.3			
31	50	2	21.0	47.5	2	33.8	0.1			
Aug. 7	50	2	19.6	46.9	2	48.0	15.0			
9	50	2	43.3	10.2						
10	50	2	23.6	49.5	2	40.1	6.0			
14	50	2	18.6	44.9	2	46.7	12.2			
26	50	2	28.2	57.6	2	44.4	8.9	perhaps at 1st wire		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ζ Ophiuchi $17^h\ 3^m\ 13^s$ $-15^\circ\ 34'\ 38''$

get next ~~X~~ 222

1874							
July 13	55	1	54.1	10.7			5 Wires
Aug. 3	55	1	58.8	18.2			
5	55	2	20.2	42.1	3	4.7	25.1 5 wires false shake between wires.
10	55	1	59.4	21.5	2	43.3	4.2

(8)

1875

Aug. 26	35	4	34.5	51.0			5 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Nb. 5780 – Gr. 2415 – 17 $1^h 3^m 42^s$ $+40^\circ 41' .86$

1874

July	13	40	3	46.7	56.2	4	24.3	34.0	
Aug.	3	40	4	8.2	21.2				A2 + foll.
	6	40	3	27.5	39.6	4	18.6	31.2	

(B)

1875

July	31	25	0	32.7	57.9	1	13.8	38.5	lost 1st wire
Aug.	14	25	0	6.6	29.9	0	56.9	19.3	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390

B.A.C. 3704 $17^{h}\,1^{m}\,2^{s}$ $06^{\circ} - 33^{\circ}\,24'$ —.66

1874

July	13	45	0	4.0	18,0	~~48.5~~		
Aug.	3	45	0	28,3	45.9			
	5	40	4	57.8	14,6			
	6	45	0	36.9	55.9			
(3)	10	45	0	3.1	21.9	0	44.4	0.4

1875

July	31	25	1	44.4	7.7	2	28.5	51.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

11 Herculis $17^h 8^m 57^s + 14^\circ 32' + .26$

1874

July 13	50	1	34.6	48.5	2	59.5	13.4	
Aug. 3	50	1	43.9	1.0	2	28.3	45.7	
5	50	1	51.0	8.4	2	32.7	49.7	
6	50	1	49.5	7.2	2	27.9	45.7	
10	50	1	49.1	7.7	2	23.1	41.0	
(6) 19	50	1	42.0	59.9	2	30.2	46.6	lost $A_{-1,1}$

1875

July 31	30	3	31.0	0.9	4	21.3	41.9	
Aug. 14	30	3	44.8	2.0	4	34.2	51.6	lost A1
26	30	3	26.0	44.6	4	28.2	44.9	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390

π Herculis 17h 10m 42.5s +36° 54' +.75

1874

Aug.	3	25	2	11.0	24.7	2	47.2	0.0
	5	25	2	10.2	24.7	2	44.9	58.3
	6	25	2	12.4	24.7	2	47.3	0.2

(3)

1875

July	31	5	3	50.0	14.0	4	39.8	3.9
Aug.	14	5	3	56.1	17.5	4	35.4	56.7
	26	5	3	46.7	7.0	4	34.4	54.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Ophiuchi

~~θ Herculis~~ $17^h\ 14^m\ 20^s\ -24^\circ\ 52'\ -.46$

1874

Aug.	3	10	4	35.4	54.8	0	18.9	40.0
	5	10	4	37.3	55.9	0	11.0	32.2
	6	10	4	56.2	15.9	0	26.7	47.3
	10	10	4	35.2	54.7	0	9.2	30.7
(7)	26	10	4	43.9	4.4			

false obs. pr.

1875

July	31	55	1	20.4	42.1	2	17.1	37.9
Aug.	7	55	1	20.3	42.3	2	19.8	40.7
	9	55	1	21.9	40.5	2	21.0	40.6
	10	55	1	36.3	55.2	2	10.8	29.2
	26	55	1	24.8	41.0	2	7.1	23.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

57 22

ω Herculis 17 h 15 m 58 s +32 ° 38 ' +.64

1874

Aug.	3	45	1	23.7	38.1	2	8.5	21.8
	5	45	1	25.0	39.9	2	0.2	14.4
	6	45	1	24.3	38.9	2	7.9	21.0
	10	45	1	15.2	32.4	2	2.9	17.4
	19	45	1	16.4	31.1	1	57.7	12.3
(6)	26	45	1	19.8	35.7	1	57.9	7.8

1875

July	31	25	3	17.2	41.9	4	13.9	38.0
Aug	9	25	3	3.9	25.9	3	53.5	14.9
	10	25	3	2.4	24.2	3	53.1	14.8
	14	25	3	6.4	27.9	3	50.8	12.9
	26	25	2	48.7	9.9	3	41.5	0.3
	29	25	3	6.5	26.1	3	49.8	10.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

R.A.

ζ Ophiuchi $17^h\ 18^m\ 45^s$ $-24^\circ\ 03'\ 45''$ .50

1874

July	21	25	0	33.7	53.9	1	53.1	12.5
Aug	3	25	0	42.8	4.1	1	32.0	52.5
	5	25	0	48.9	9.2	1	15.8	36.1
	6	25	0	50.2	10.0	1	33.2	52.5
	10	25	0	46.7	8.1	1	24.0	43.9
	19	25	0	44.1	5.4	1	36.5	57.3
	23	25	0	46.0	7.1	1	27.0	46.9
	26	25	0	40.0	59.9	1	36.0	55.5
(9)	27	25	0	45.8	3.8			

1875

July	31	5	2	41.1	0.6	3	31.5	54.1
Aug.	10	5	2	38.0	56.2	3	31.6	49.7
	26	5	2	31.1	47.5	3	22.5	39.2
	29	5	2	33.6	49.9	3	22.1	38.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

b Scorpii $17^h\ 22^m\ 16^s\ -37^\circ\ 12'\ -.76$

1874

July	21	30	1	5.5	21.9	2	15.9	33.5	
Aug.	5	30	1	41.9	58.9	1	59.5	17.4	
	19	30	1	13.4	30.9	1	57.0	14.9	
	22	30	1	57.9	10.5				A
	26	30	1	8.2	24.5	1	32.6	49.8	-1
	27	30	1	24.0	41.4	1	0.7	18.8	

1875

Aug.	7	10	3	3.1	25.6	3	45.4	9.5
	9	10	2	55.3	16.8	3	48.4	10.7
	29	10	2	54.4	13.1	4	5.9	23.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

λ Scorpii $17^h\ 25^m\ 07^s$ $-37^\circ\ 02'$ — 7½

1874

July	31	20	0	9.0	27.1			
Aug.	3	20	0	8.4	25.9	0	54.1	11.2
	19	20	0	17.6	36.5	1	5.9	22.7
	22	20	0	0.5	17.8	1	24.0	43.0
	26	20	0	13.1	29.7	———		17.3
(6)	27	20	0	11.1	30.6	0	55.9	13.4

1875

Aug.	7	0	2	12.5	36.5	3	58.4	20.6
	9	0	2	6.4	28.0	3	1.1	23.0
	~~28~~	0	2	18.5	39.4	2	55.9	15.0
	29	0	1	55.2	15.9	3	6.9	26.4

this # all right (stet)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

P.N.A.

β Draconis $17^h\ 27^m\ 37^s$ +52° 24′ +130

1874

July 21	0	0	59.0	12.8				
Aug 5	0	0	46.0	59.7	1	20.0	33.8	
19	0	0	35.3	49.9	1	24.0	37.7	
23	0	0	39.4	51.7	1	20.3	32.1	
26	0	0	40.5	53.9	1	15.1	29.4	
27 (6)	0	0	43.1	~~57.5~~	1	29.1	43.7	

1875

July 31	40	2	33.0	57.6	3	15.1	40.9	
Aug. 14	40	2	21.8	45.4	3	2.0	25.0	
26	40	2	16.0	38.9	2	56.6	16.5	
~~25~~	~~40~~	~~2~~	~~17.9~~	~~40.2~~			~~17.4~~	
29	40	2	41.5	5.9	3	21.1	44.5	5 wires. 2nd wire wrong

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A

α Ophiuchi $17^h\ 29^m\ 8^s$ $+12^\circ\ 39'$ ± ± 22

1874

July	21	40	4	25.1	40.9	0	23.9	43.1
Aug.	5	40	4	41.9	59.0	0	26.7	44.1
	19	40	4	36.0	52.9	0	27.6	44.9
	22	40	4	36.3	54.5	0	24.3	43.4
	23	40	4	40.9	56.9	0	20.0	38.4
	26	40	4	37.5	53.4	0	18.7	37.0
(8)	27	40	4	35.0	51.6	0	25.4	44.1

(11)

1875

July	31	25	1	16.1	37.8	2	7.4	28.2
Aug	10	25	1	24.0	43.8	2	10.0	28.4
	14	25	1	24.0	44.1	2	13.7	32.8
	26	25	1	14.8	31.0	2	5.0	21.8
	29	25	1	59.0	16.5	2	24.7	42.9

5 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

~~μ Ophiuchi 17h 4m 58s~~
ζ Draconis $17^h\ 32^m\ 28^s$ $+68^\circ\ 13'$ $+2.50$

1874

July 21	10	1	2.6	12.1	2	34.0	41.9
Aug. 5	10	1	0.1	11.0	2	29.1	39.7
19	10	1	56.0	6.1	2	24.0	33.2
23	10	1	49.9	58.7	2	17.1	25.0
26	10	1	51.1	0.7	2	15.0	24.8
27	10	1	56.8	7.9	2	22.9	34.5

H (6)

1875

July 31	50	3	46.1	10.5	4	8.2	31.8
Aug. 14	50	3	33.0	55.2	4	9.2	32.9
28	50	3	39.3	59.9	3	1.0	21.8
29	50	3	3.4	27.1	4	56.8	21.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

58 Ophiuchi 17h 35m 56s − 21° 37′ − 40

1874

July	21	55	4	31.2	51.2	0	24.0	45.9
Aug.	5	55	4	43.5	4.9	0	30.3	50.9
	19	55	4	41.4	4.3	0	38.0	59.9
	23	55	4	46.3	8.7	0	32.7	53.8
	26	55	4	38.0	57.0	0	20.2	41.5
(6)	27	55	4	38.1	59.5	0	25.5	47.8

1875

July	31	~~40~~	~~1~~	~~28.1~~	~~49.1~~	~~2~~	~~32.8~~	~~53.6~~
Aug.	28	40	1	26.0	43.4	2	17.1	33.6
	29	40	1	7.8	26.0	2	29.0	46.6
	30	40	1	17.2	34.6	2	36.6	53.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.D.

D Draconis $17^h\ 3^m\ 41^s + 68°\ 4'\ 9 + 2.58$

1874

July 21	35	1	4.9	14.5	1	33.7	43.0	
Aug. 5	35	1	24.8	35.9	1	37.7	46.5	A 4 + fold.
19	35	0	59.2	9.9	1	23.0	34.6	
23	35	0	2.9	12.7	1	19.1	28.2	
26	35	0	55.9	10.0	1	14.2	24.5	
27	35	0	58.5	10.4	1	22.2	33.9	

(16)

1875

July 31	?	40	1	28.1	49.1	2	32.8	53.6
Aug. 14		15	2	33.4	56.1	2	59.8	22.2
28		15	2	32.1	53.8	3	0.5	21.9
29		15	2	23.9	47.1	2	57.0	19.8
30		15	2	35.8	57.5	3	3.5	24.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

β Sagittarii $17^h 39^m 41^s$ $-27^\circ 47' .53$

1874

July	21	5	3	49.9	8.8	4	38.2	55.9	
Aug.	5	5	4	11.0	29.0	4	36.1	55.2	5 wires
	19	5	3	44.1	4.2	4	38.1	58.0	
	23	5	3	41.9	0.7	4	18.9	37.7	
	26	5	3	34.0	53.5	4	29.1	47.0	
	27	5	3	49.3	8.7	4	38.9	7.7	

(6)

1875

July	31	50	0	29.6	1.8	1	25.7	47.5
Aug.	28	50	0	26.2	46.3	1	13.5	32.9
	29	50	0	4.6	23.0	1	32.0	50.8
	30	50	0	24.9	43.8	1	18.7	38.9
Sept.	1	50	0	18.0	36.8	1	21.5	41.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

μ Herculis $17^h\ 41^m\ 34^s$ $+24^\circ\ 48'$ +.53

1874

July 21	35	1	17.1	31.3	2	9.1	18.5	
27	35	1	22.5	34.1	2	17.3	28.0	μ. faint comp. pr. 2 seconds
Aug. 5	35	1	22.5	35.9	2	9.0	22.0	
19	35	1	19.0	33.7	2	11.8	24.4	
23	35	1	16.1	28.3	1	0.3	13.0	
26	35	1	17.2	29.9	2	7.4	19.6	
27	35	1	20.9	36.0	2	11.3	25.8	

(5)

1875

July 31	15	3	3.1	26.6	4	25.2	38.8
Aug. 28	15	2	56.5	17.3	3	35.7	55.2
29	15	2	39.1	0.6	4	0.6	20.8
30	15	2	40.0	0.3	4	11.7	31.0
31	15	2	56.2	18.5			

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

ψ_1 Draconis $17^h\ 44^m\ 10^s$ $+72^\circ\ 13'\ 3''.2$

1874

~~July 27~~	~~10~~	~~2~~	27.9	35.0	2	58.2	6.0	ψ_1
28	10	2	34.5	42.3	2	57.3	5.1	ψ_1
Aug. 5	10	2	26.7	36.3	2	50.3	59.7	"
19	10	2	18.5	28.8	2	46.0	55.1	"
23	10	2	17.5	26.6	2	56.7	5.7	
26	10	2	7.8	17.7				Both, reg. order.
27	10	2	6.0	16.9				Both,

(6)

1875

July 31	50	4	9.8	32.2	4	35.1	56.9	
Aug. 28	50	3	51.6	11.9	4	28.4	48.6	
29	50	3	35.0	56.0	4	24.5	45.8	
30	50	3	42.4	3.0	4	24.1	44.8	
31	50	4	2.1	21.9	4	27.9	48.2	
Sept. 1	50	4	18.5	38.1	4	33.2	52.8	lost 1st wire

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

4959

Bdle. 6062 $17^h 48^m.02 + 90^\circ 01' .84$

1874

July 28	15	3	37.8	48.4				Ed. min.
Aug 5	20	3	42.0	54.8	4	32.6	45.7	a bright # follo.
193	20	3	38.2	51.5	= 6.5 mag.			
	20	2	21.5	35.1	= 5.5 "			
233	20	3	35.1	47.0			35.0 = 6.5 mag.	
	20	2	18.4	30.9	2	59.0	11.9 = 5.0 mag.	get one reading
26	20	3	41.9	53.7	4	9.3	21.0 = $2^{md}.11$ *	

(11)

1875

July 31	5	0	32.3	56.4	1	7.5	30.9
Aug. 28	5	0	13.5	34.2	1	5.8	25.5
29	5	0	11.8	33.4	1	22.8	44.2
30	5	0	14.7	36.6	1	10.0	30.1
31	5	0	16.1	36.9	1	17.9	38.1
Sept. 1	0	4	59.9	20.9	1	1.0	20.9
4	5	0	527	139			5 W
5	5	0	12.0	33.0	0	57.7	18.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

6356

89 Herculis $17^h\ 50^m\ 28^s$ $+26^\circ\ 04'$ +4.9

1874

July	27	15	4	43.1	54.0	0	31.0	43.7
	28	15	4	39.7	50.6	0	26.5	39.9
Aug.	5	15	4	51.1	5.5	0	33.1	46.5
	19	20	0	18.9	34.7			
	26	15	4	39.7	51.9	0	32.2	46.3
	27	15	4	40.5	52.9	0	29.7	44.9

(6)

1875

July	31	0	1	21.0	45.7	2	17.9	42.8
Aug.	28	0	1	19.8	40.7	2	7.9	27.4
	29	0	1	6.1	27.4	2	25.4	46.1
	30	0	1	59.5	19.8	2	8.9	29.0
	31	0	1	6.4	24.7	2	24.5	44.5
Sept	1	0	1	6.4	25.9	2	20.1	40.1

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

J Draconis $17^h\,53^m\,42^s$ $+54^\circ\,30'$ +1.26

1874

July 27	50	4	20.7	30.1	0	59.1	9.5	
28	50	4	21.2	30.9	0	4.0	14.5	
Aug. 3	50	4	20.7	31.9	0	0.2	11.0	
4	50	4	49.1	0.1				
Aug. 5	50	4	15.2	26.7	0	5.7	17.2	false stroke after last w
6	50	4	17.7	27.5	4	55.7	7.5	
19	50	4	8.9	20.5	4	51.0	3.0	
20	50	4	9.7	20.0				
23	50	4	11.1	21.8	4	48.7	58.9	
24	50	4	10.5	19.5	4	54.1	23.0	
26	50	4	0.3	12.0				A3h 9 rej' 1st reading for δ
27	50	4	5.7	17.2	4	58.4	11.7	
31	50	4	8.7	21.1	4	51.6	6.5	
Sept. 1	50	4	11.5	23.9	4	41.2	53.7	

(10)

1875

July 31	35	0	52.0	17.8	1	36.4	1.5	
Aug. 30	35	0	35.0	58.0	1	47.5	12.3	
31	35	0	28.2	50.6	1	26.5	48.9	
Sept. 1	35	0	46.1	9.7	1	31.5	54.0	
4	35	0	39.9	22.5				
5	35	0	46.5	10.0			45.1	
7	35	1	25.7	48.5	1	57.1	19.8	9 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

38 Draconis (not in B.A.C.) $17^h\ 55^m\ 3^s\ +76^\circ\ 59'\ 4.3''$

1874

July 27	25	1	1	59.5	5.0				
28	25	1		49.9	56.9				
Aug. 3	25	1		57.8	0.0				
5	25	1		36.1	44.9	1	54.7	3.7	
19	25	1		36.1	44.7	1	52.0	59.5	
23	25	1		43.9	51.9	1	54.9	3.8	
24	25	1		42.0	50.1				lost 1st 2 wires
26	25	1		49.5	59.3	1	1.0	10.7	last 3 wires
27	25	1		46.1	55.2	1	55.4	5.9	
Sept. 1	25	1		30.7	41.9	1	46.8	59.0	

(8)

1875

July 31	5	3	26.9	49.1	3	34.1	56.5	
Aug. 30	5	3	14.4	34.9	3	31.5	51.9	lost 1st three wires
31	5	3	29.1	46.8	4	24.6	41.9	
Sept. 1	5	3	13.9	33.0	3	30.5	50.2	lost 1st wire
4	5	3	20.6	42.0	3	28.6	49.4	last 3 wires
5	5	3	9.2	29.0	3	25.2	46.0	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A. 2

γ^2 Sagittarii $17^h 57^m 47^s - 30^\circ 25' .59$

1874

July	27	45	1	53.1	9.7	2	42.7	58.2
	28	45	1	45.7	2.8	2	40.5	58.0
Aug.	3	45	1	56.1	14.1	2	28.2	46.0
	6	45	1	52.3	8.7	2	33.5	50.9
	19	45	1	51.9	9.9	2	40.7	57.7
	23	45	1	48.5	6.7	2	31.5	47.9
	24	45	1	47.2	6.0	2	24.2	42.1
	26	45	1	46.7	4.9	2	41.1	57.9
	31	45	1	54.4	13.1	2	34.5	53.0
Sept.	1	45	1	55.9	14.9	2	33.1	57.4

(8)

1875

Aug.	30	25	3	19.0	37.2	4	41.0	59.9
	31	25	3	29.1	46.8	4	24.6	41.9
Sept.	1	25	3	32.1	50.5	4	34.5	53.0
	4	25	3	51.5	11.9	4	53.8	14.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

B.A.C. 6127 $18^h\ 10^m\ 28^s - 54'$

1874

Aug. 3	45	4	58.1	16.5	0	34.9	58.1	
4	50	0	29.4	46.9				A 5 + 6 ill.
6	45	4	57.7	11.5	0	31.9	50.0	false stroke after last w.
23	45	4	50.6	8.3	0	37.8	55.7	
24	45	4	53.3	12.3	0	57.0	11.7	
26	45	4	47.0	5.4	0	47.0	5.9	
Sept. 1	45	4	56.9	16.6	0	41.6	1.5	
2	50	0	16.4	37.3	0	59.7	19.3	

(10)

1875

Aug. 9	30	2	6.5	27.7	2	38.1	59.1	lost 1 $\frac{at}{t}$ wire
30	30	1	23.6	44.8	2	27.0	46.6	
31	30	1	26.2	46.8	2	42.9	0.5	
Sept. 1	30	1	24.3	43.9	2	36.1	54.5	
4	30	1	44.0	3.9	2	32.9	52.9	
5	30	2	15.3	35.2				5 wires, lost 1 $\frac{at}{t}$ wire
7	30	1	49.1	8.7	2	24.3	44.4	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae..proj..1900..

o Herculis 18h 2m 40s +28° 45' +55

1874

Aug. 3	35	4	18.9	31.5	0	1.1	14.1	
4	35	4	22.0	33.7	0	7.9	19.1	
6	35	4	19.9	31.9	0	8.1	20.6	
19	35	4	20.1	33.0	0	1.3	14.0	
23	35	4	17.8	29.0	0	5.1	17.1	
24	35	4	21.3	33.8	0	9.0	17.1	
26	35	4	19.3	31.7	0	13.5	23.9	
31	35	4	18.7	27.5	0	1.2	15.3	
Sept 1	35	4	16.7	29.9	0	16.2	29.4	
2	35	4	16.6	29.9	4	55.7	9.7	

(8)

1875

Aug. 7	20	0	56.7	21.3	1	50.3	15.5
9	20	1	3.8	26.4	1	51.9	14.8
31	20	2	42.8	4.0	2	8.9	29.2
Sept. 1	20	0	43.0	5.3	1	41.0	2.0
4	20	1	7.2	30.4	1	53.1	16.1
5	20	0	48.2	11.6	1	38.1	0.4
7	20	0	50.7	13.9	1	45.0	7.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

22 Camelop. LB. $18^h\ 5^m\ 4^s$ 1110 38–2,66 6 & 22

1874

Aug. 3	45	4	2.5	8.3	3	38.0	43.0	
4	45	3	55.4	1.8	3	40.5	45.3	
6	45	3	2.4	8.6	3	44.4	49.1	
31	45	3	59.1	10.3	3	40.6	50.0	
Sept 1	45	3	43.0	53.1				
2	45	3	52.9	3.0				

(6)

1875

Aug. 7	30	0	28.9	59.6	0	8.1	36.9	lost next to last wire
9	30	0	32.7	0.3	0	5.8	34.4	
31	30	0	36.9	3.2	———		35.7	
Sept. 1	30	0	34.1	0.7	0	12.8	40.8	
4	30	0	20.7	50.2	4	57.0	25.4	
5	30	0	22.8	50.8	0	0.5	26.1	
7	~~30~~	~~0~~	~~26.9~~					reject

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

N.A

α Sagittarii $18^h\ 6^m\ 18^s$ $-21^\circ\ 5' - 39$

1874								
July 30	25	2	56.7	16.1	3	35.4	55.1	
Aug. 2	25	2	59.0	17.5	3	31.7	52.9	
4	25	3	7.9	26.3	3	52.8	11.5	lost 1st 11 w.
6	25	2	58.7	18.7	3	35.3	54.5	
10	25	2	0.0	20.1	3	38.1	56.9	
20	25	2	57.7	18.9	3	40.0	58.9	
22	25	2	53.0	13.5	4	5.5	19.9	
Sept 1.	25	2	59.8	20.1	3	49.7	10.9	
2	25	2	0.6	21.4	3	48.9	8.6	
(10) 1875								
Aug 7	10	0	16.4	38.9	0	39.4	0.5	
Aug 8 1879	10	0	23.9	44.7	0	44.7	3.1	5 wires
Sept 1	5	4	27.4	42.8	0	43.8	1.1	
4	10	0	6.4	24.8	0	48.2	6.8	lost 1st 2 wires
5	10	0	19.9	39.2	0	46.8	3.6	5 wires
7	5	4	41.1	57.9	0	32.7	50.1	
8	10	0	17.1	34.1	0	47.1	4.5	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ζ Sagittarii $18^h\ 9^m\ 10^s - 36^\circ\ 48'.75$

1874

July	30	5	2	46.5	5.3			50.2
Aug.	2	5	2	28.0	46.2	3	25.9	43.4
	6	5	2	30.9	48.3	3	16.9	34.9
	22	5	2	25.7	43.7	3	21.0	40.0
Sept.	1	5	2	30.7	48.9	3	27.3	45.1

(7)

1875

Aug.	7	45	4	20.5	43.9	0	15.9	41.9
	9	45	4	6.4	26.8	4	57.9	19.4
	10	45	4	13.7	34.1	0	16.1	38.6
	26	45	4	6.6	25.0	4	58.1	17.8
Sept.	1	45	4	3.7	22.5	0	2.5	22.8
	5	45	4	15.7	34.9	0	13.8	35.2
	7	45	4	10.2	28.8	0	5.6	26.9

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1300.

~~δ Sagittarii 18h 12m 58s = 27° 53' - 5"~~

1874 (rej. this star.)

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

η Serpentis $18^h\ 14^m\ 50^s$ $-2°\ 56'$ −.05

1874 foll. ✻ first

July 30	15	4	55.5	11.9				5 wires.
Aug. 2	15	4	54.2	13.0	0	22.9	40.9	5 wires
4	15	4	33.0	50.0	0	3.7	21.1	
6	15	4	48.0	6.3	0	29.8	48.7	lost 1st w.
10	15	4	30.0	47.4	0	14.8	33.9	
19	15	4	47.8	7.0				
20	15	4	36.3	55.0	0	12.1	31.9	
22	15	4	39.4	57.4	0	23.0	42.1	
Sept. 2	15	4	47.0	7.9				
6	15	4	17.4	36.5	0	18.2	37.5	
Sept. 7	15	4	15.2	35.6				
9	15	4	53.6	12.9				

(12)

1875

Aug. 7	0	0	50.2	13.2	1	22.2	45.0	
9	0	0	43.2	4.9	1	52.8	12.9	
10	0	0	50.8	11.6	1	45.2	5.4	
26	0	0	53.6	12.1	1	34.5	51.5	
Sept. 1	0	0	55.9	14.5	1	44.3	2.1	
5	0	0	46.3	5.5	1	46.1	5.3	
7	0	0	37.6	57.0	1	41.2	0.1	
8	0	0	46.2	46	1	27.6	44.9	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

S Mus Min $18^h 12^m 39^s$ $+66^\circ 36'$

1874

July	30	45	4	11.0	17.8	4	21.0	27.7
Aug.	2	45	4	7.5	14.8	4	16.1	22.3
	4	45	4	4.9	11.9	4	16.3	21.5
	6	45	4	3.7	10.3	4	17.3	24.2
	10	45	4	1.9	9.0	4	10.9	17.9
	19	45	3	56.2	4.7			
	20	45	3	52.5	59.9	4	8.3	17.8
	22	45	3	57.8	6.4	4	12.9	20.5
Sept.	2	45	3	55.9	56.1	4	8.7	17.1 lost last wire
	6	45	3	51.4	59.9	4	4.6	12.5 perhaps lost 2nd wire

7 A.R. A 4.5-6

9 A.R. In ✓

(12)

1875

Aug.	7	30	0	37.1	4.0	0	42.3	8.7
	9	30	0	36.1	0.9	0	44.5	9.1
	10	30	0	37.1	1.0	0	49.2	13.3
	25	30	0	36.1	59.1	0	45.6	9.4
	26	30	0	34.6	56.5	0	50.2	13.3
Sept.	1	30	0	33.4	57.0	0	48.2	11.9
	4	30	0	15.9	51.1	0	41.9	6.9
	5	30	0	31.7	55.9	0	45.5	9.6
	7	30	0	30.7	54.9	0	43.3	7.5
	8	30	0	31.0	54.2	0	42.3	6.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Phae Min.

1874

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

109 Herculis $18^h\ 18^m\ 22^s\ +21^\circ\ 43'\ +40$

1874

July.

July 30	40	1	58.1	2	9,8		
Aug. 2	40	1	9.5	24.0	1.	46.3	0,1
4	40	1	15.8	27.0	1	53.8	5.7
10	40	1	4.3	17.8	2	5.4	17.3
19	40	1	5.9	20.1	1	52.1	6.8
20	40	1	6.1	20.1	1	53.8	8.5
22	40	1	3.0	17.4	1	2.7	16.4
Sept. 6	40	1	7.5	20.3	1	51.9	6.5
7	40	1	7.9	22.2	2	7.9	22.1
9	40	1	5.4	20.9			

(7) (8)

1875

Aug. 9	20	2	49.0	11.9	3	42.0	4.9
10	20	2	42.8	4.2	3	33.5	54.0
25	20	2	38.3	58.9	3	20.0	40.8
26	20	2	37.9	56.3	3	25.0	45.5
Sept. 8	20	2	41.1	0.7	3	29.1	48.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

~~b Draconis (not in B.A.C.) 18h 22m 5s +78° 44′~~

ℓ Draconis 18h 22m 30s +71° 16′ +2.95

1874

July 30	5	3	48.5	55.9			
Aug. 2	5	3	48.2	56.0	4	7.1	15.3
4	5	3	42.5	49.7	3	42.0	50.8
10	5	3	46.0	55.4	4	3.0	11.6
20	5	3	41.0	50.4	3	57.5	7.9
22	5	3	34.0	44.8	3	56.4	7.4
Sept. 6	5	3	37.7	47.1	3	55.2	5.3

(11)

1875

Aug. 10	50	0	8.4	29.9	0	39.6	1.2
25	50	0	10.9	32.5	0	46.8	7.9
26	50	0	9.0	29.9	0	23.2	43.9
Sept. 8	45	4	57.7	17.7	0	26.1	47.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

χ Draconis 18h 23m 18s +72° 4' +3.2

1874

July	30	48	4	34.5	42.0			
Aug	2	40	4	32.6	41.3	4	53.9	3.2
	4	40	4	33.1	41.9	4	50.8	58.1
	10	40	4	32.0	38.9	4	42.5	55.8
	20	40	4	29.5	38.5	4	47.0	56.9
	22	40	4	28.3	38.9	4	47.5	55.9
Sept.	6	40	4	24.7	33.8	4	46.2	54.9
	13	40	4	40.8	51.2			

(10)

1875

Aug	10	~~25~~	~~1~~	~~14.7~~	~~36.3~~	~~1~~	~~27.5~~	~~48.0~~ lost 1st & 2 wires
	25	25	1	19.6	40.1	1	29.4	48.7 A8+9+A-1
	26	25	1	4.5	22.9	1	16.9	37.2
Sept	8	25	0	59.0	18.3	1	19.0	38.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

30 82

B.A.C. 6218 $18^h\ 25^m\ 38^s$ $+59°\ 28'\ 28''$ +1.70

1874

Aug.	30	55	2	54.9	3.9			
	2	55	1	46.6	57.1	2	7.4	17.1
	4	55	1	42.4	52.4	2	6.5	16.5
	10	55	1	42.8	53.1	2	17.2	25.9
	20	55	1	41.9	53.7	2	13.1	23.9
	22	55	1	38.6	50.1	2	1.7	13.3
Sept.	6	55	2	9.6	19.6			
	13	55	1	34.7	44.8			

(10)

1875

Aug.	10	35	3	10.9	33.0	3	54.4	15.9
	25	35	3	7.4	28.1	3	46.0	8.7
	26	35	3	7.7	28.6	3	50.6	11.1
Sept.	5	35	3	5.0	26.5	3	44.5	6.0
	7	35	3	1.7	22.9	3	52.3	13.9
	8	35	3	12.4	33.0	3	44.8	4.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

Adyadne 1874 $22^h\ 28^m\ 24^s - 8^\circ\ 20'\ -.15$

July	30	40	3	9.2	25.2			
Aug.	2	40	3	7.2	26.3	3	51.5	10.6
	4	40	3	10.3	28.7	3	44.9	3.9
	20	40	3	20.5	40.4	4	12.4	32.7
	22	40	2	1.2	21.5	3	39.4	0.6
Sept.	6	40	2	0.3	19.1	3	51.0	11.7
	13	40	3	43.5	2.7			

(6)

1875

Aug.	10	20	4	59.1	15.9	0	33.7	50.9
	25	20	4	49.8	5.9	0	34.7	51.1
	26	20	4	27.0	42.0	0	27.2	42.5
	30	20	4	20.7	35.9	0	40.9	56.5
	31	20	4	27.2	42.7	0	51.5	7.1
Sept.	5	20	4	46.2	2.2	0	33.5	50.2

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

B. A.

ε Lyrae 1874 $18^h 32^m.5$ $+38° 40'$ +80

July 30	1874	40	4	10.1	19.4				
Aug 2		40	4	15.0	27.9	4	53.3	6.8	
4		40	4	19.0	31.7	4	53.2	5.9	
10		40	4	17.7	29.0	4	57.0	8.9	
20		40	4	7.7	20.2	4	57.1	10.9	
22		40	4	6.1	19.5	0	1.9	15.9	
Sept. 6		40	4	4.0	15.4	0	0.7	15.0	
12		40	4	1~~4~~6	30.1	4	55.9	11.9	
13		40	3	59.8	13.2				

(10)

1875

Aug. 10		25	0	53.5	14.8	1	17.9	40.7	
~~25~~		25	0	38.7	59.8	1	35.8	56.5	
26		25	0	37.9	57.9	1	29.5	49.9	
~~28~~		25	1	19.8	40.5	2	1.9	21.7	md. wire + foil.
29		25	1	27.2	47.9	1	54.9	15.1	4, 5. + foil.
30		25	0	34.5	56.0	1	20.3	41.3	
31		25	0	20.5	41.7	1	46.0	5.4	
Sept 1		25	0	41.8	2.9	1	27.5	49.8	
4		25	0	40.7	1.4	1	33.0	54.0	
5		25	0	38.0	59.9	1	37.3	58.1	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2 ~~Aquilae~~ h 21

$G_{2.2655}$ $18^h 35^m 49^s + 77° 27'$ .449

1874

Aug.	10	55	3	14.8	22.8	3	33.8	40.7	
	20	55	3	16.3	25.4	3	34.2	43.8	
	22	56	3	7.0	15.4	3	43.7	57.6	
Sept.	6	55	3	11.0	18.9	3	28.5	37.2	perhaps lost 3rd stroke of last 8
	12	55	3	15.9	25.3	3	39.2	48.9	
	~~13~~	55	3	1.1	24.4				

(7)

1875

Aug.	25	35	4	41.0	1.4	0.	1.1	22.0	
	26	35	4	39.8	58.1	0	3.7	23.5	
	~~28~~	35	4	46.2	6.5	0	9.2	29.7	
	29	35	4	39.0	57.3	0	6.6	26.9	false strokes after 8
	30	35	4	37.0	56.5	0	1.1	21.9	
	31	35	4	34.0	53.7	0	8.9	30.3	
Sept	1	35	~~4~~	27.9	48.2	0	6.7	27.4	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

57 Caphei S.P. — 6h 41m 14s +87° 14′
92 46 next ✱ 1at 11

1874

Aug. 10	40	0	5.4	13.5	0	0.2	8.4	
20	40	0	59.8	9.7	4	53.6	2.8	perhaps 3 8's, 1at ÷ one wrong
22	35	4	57.8	8.0				last 4 wires
Sept. 6	40	0	2.0	10.7	4	52.5	1.7	
~~10~~	~~40~~	~~0~~	~~55.7~~	~~9.4~~	~~4~~	~~49.0~~		
12	35	4	59.0	9.9	4	56.1	6.1	

~~(7)~~
(13)

1875

Aug. 25	20	1	41.4	3.9	1	30.0	54.5	lost 1at ÷ wire
26	20	1	31.3	54.7	1	26.9	49.1	lost 1at ÷ three wires
28	20	1	44.9	6.6	1	35.7	57.4	
29	20	1	47.6	10.9	1	35.0	57.9	
Sept. 1	20	1	45.1	8.7	1	34.9	58.4	
4	20	1	42.0	6.1	1	29.8	54.7	
8	20	1	42.8	6.9	1	25.9	48.3	
13	20	1	35.9	56.4	1	29.4	51.1	
23	20	1	45.2	6.2				
25	20	1	28.3	50.4	1	25.3	47.6	lost 1at ÷ 8 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

67 Capheï S.P.

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

110 Herculis 18h 40m 15s +20° 26′ +.37

1874

Aug. 22	55	3	13.9	22.9				
Sept 12	55	3	12.4	28.3				

star on preceding page next.

(4)

1875

Aug. 26	35	4	43.9	0.9				
Sept. 5	35	4	47.0	5.7	0	38.9	58.8	
7	35	4	43.2	4.1	0	45.0	5.5	
25	40	0	12.0	29.0				5 wires

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

B.A.C. 6469. 18h 43m 54s 37° 9' 51" +1.32

1874

Aug. 10	30	3	23.2	35.9	3	52.7	4.8	lost one wire of A.
20	30	3	22.7	34.9	3	53.0	5.8	
22	30	3	28.3	41.3	4	5.1	17.9	
Sept. 12	30	3	14.6	28.8	3	41.7	54.2	

(8)

1875

Aug. 26	10	4	55.5	16.0	0	40.8	1.5	
Sept. 8	10	4	56.4	20.7	0	30.1	51.0	5 wires
13	10	4	55.0	18.1	0	36.3	56.0	
23	15	0	23	19.6				
25	10	4	48.9	9.2	0	38.7	57.8	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.tif

S.A.

β Lyrae $18^h\,4^m\,28^s$ $+33^\circ\,13'$ +6.5

1874

Aug.	10	10	0	3.0	16.0	1	46.1	58.8	B'
	20	10	1	21.4	37.7	2	16.1	29.3	
	22	10	1	8.9	25.1	1	55.1	10.0	
Sept.	10	10	1	4.9	21.9	1	52.8	10.9	
	12	10	1	4.1	20.5	1	27.3	45.1	
	14	10	0	59.3	15.9	1	34.3	50.3	

(6)

1875

Aug.	26	50	2	41.5	0.7	3	25.9	44.8
Sept.	13	50	2	36.9	54.0	3	23.2	40.9
	25	50	2	47.7	4.7	3	30.9	48.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

N.A.

σ Sagittarii $18^h\ 4^m\ 30^s - 26°\ 28'\ .50$

1874

Aug.	10	45	4	6.1	24.5	4	41.1	0.7
	22	46	4	2.1	21.1	4	41.5	0.9
Sept.	10	45	4	7.4	28.8	4	36.9	9.8
	13	40	4	40.2	6.3			

) (8)

1875

Aug.	26	30	0	33.9	51.9	1	21.4	39.9
Sept.	8	30	0	35.0	53.1	1	32.1	49.8
	13	30	0	45.7	2.1	1	39.7	55.9
	23							

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

5-312

ζ' Lyrae 18h 49m 21s +36° 48' +.75

next # very quick
only one reading

1874								
Aug.	10	35	0	18.2	31.7	0	59.5	11.1
	20	35	0	21.3	35.7	1	9.9	24.1
	22	35	0	14.8	29.4	0	0.7	14.7
Sept.	10	35	0	17.0	33.8			

(8)

1875

Aug.	26	15	1	40.9	0.2
Sept.	13	15	1	40.6	57.8
	14	15	2	29.7	47.6
~~23~~		~~30~~	1	~~9.5~~	~~24.8~~ X?
	25	15	1	48.5	6.0

5 wires, lost 1 at 1 wire

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

N.A

50 Draconis h m s 18 50 24 +75° 17' +3.80 next star quick.

1874

Aug. 20	5	3	18.3	28.4	3	31.4	41.9 md. w. + foll.
Sept. 10	5	3	0.4	13.1			
13	5	2	49.3	58.2			

(3)

1875

Aug. 26	45	4	35.0	53.0	
Sept. 8	45	4	33.9	52.2	
13	45	4	46.1	4.9	
14	~~45~~	~~4~~	~~48.9~~	~~8.8~~	lost 1st. 2 wires
	~~45~~	~~4~~	~~33.1~~		

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

13 Lyrae $18^h 51^m 32^s +43^\circ 47' +9.6$

1874

Aug. 22	35	2	23.4	37.4	3	7.4	20.0
Sept. 10	35	2	29.1	44.1	3	3.3	19.0

(4)

1875

Aug. 26	15	3	58.1	16.6	4	42.5	1.2
Sept. 8	15	3	52.8	11.8	4	44.8	4.7
13	15	4	6.1	23.7	4	43.0	59.7
14	15	4	6.8	24.0	4	37.9	55.3

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Eclipse at 2h 5m 0s + 3.57 + 14.54 + .27

1874

~~Aug. 20~~	~~25~~	~~1~~	~~13.3~~					7.0 Mags per
22	25	4	50.4	8.9	0	35.0	54.0	
Sept. 10	25	4	52.0	12.0	0	30.5	50.3	
13	25	4	52.1	12.0	0	25.4	45.8	
Oct. 5	30	0	26.9	40.2			5 wires	

(8)

1875

Aug. 26	10	1	23.8	40.9	2	18.1	33.7	
Sept. 8	10	1	25.4	42.8	2	25.8	41.8	
14	10	1	59.6	14.8	2	35.7	50.2	lost 1st wire
25	10	2	7.5	21.7				5 wires

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

~~g Aquilae~~ h m (70° ? 59')

~~35 Draconis 17 55 3 +76 59 +4.33~~

examine

Find general time. Can't find

1874

1875

Sept. 8		55	4	1.2	19.8		lost 1st 2 wires !)
	13	55	3	36.0	54.8	2.4	19.9
	14	55	3	45.7	3.0	4 4.2	22.1
	25	55	3	36.1	53.9	3 58.4	16.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

ζ Aquilae 18^h 59^m 40^s + 13° 41′ + .24

1874

Aug. 20	40	3	5.1	22.9	3	58.6	16.9
22	40	3	6.9	25.5	3	52.7	10.2
Sept 18	40	2	0.0	18.9	3	45.9	5.5
0015	40	3	10.0	20.9			

(8)

1875

Aug. 26	20	4	37.8	54.1	0	20.9	38.1
Sept. 5	20	4	32.3	47.9	0	41.4	59.2
7	20	4	36.1	53.9	0	26.7	44.9
14	20	4	41.1	56.3			
25	20	4	34.3	48.5	0	32.3	47.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

τ Sagittarii $19^h\ 2^m\ 19^s - 21^\circ\ 14' - 39$

1874

Aug.	20	35	0	53.5	16.0	1	47.2	9.5
	22	35	0	46.0	6.7	1	33.7	54.9
Sept.	10	35	0	57.0	15.2	1	42.7	5.9
	13	35	0	41.2	5.1	1	12.9	36.1
~~Oct~~	5	35	1	29.6	46.8			

$\Delta 4-5$ and $\Delta -1$

(7) 1875

Aug.	26	15	2	21.2	37.4	2	53.1	8.6
	28	15	2	21.7	36.8	3	6.4	22.1
	~~29~~	~~15~~	2	3.6	19.5	3	29.9	46.6
Sept.	13	15	2	21.8	36.1	3	21.1	35.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

B.A.C. 6061 $19^h\ 4^m\ 5^s$ $-21^\circ\ 5'\ 3''$ −.40

1874

Aug.	20	10	4	22.7	42.4	0	19.5	36.9
	22	10	4	17.5	38.1	4	53.0	15.0
Sept.	10	10	4	19.5	42.0	0	7.9	32.9
	13	10	4	13.5	35.1	4	54.0	16.6
001-6		10	4	24.0	39.6			

(7) 1875

Aug	26	55	0	50.5	8.1	1	35.6	51.4
~~28~~		~~55~~	~~1~~	~~0.3~~	~~17.9~~	~~1~~	~~49.5~~	~~7.2~~
	30	55	0	54.1	7.4	1	42.0	0.0
	31	55	0	41.7	57.8	1	33.7	51.0
Sept.	13	55	1	0.7	16.3	1	57.7	13.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ψ Sagittarii 19h 7m 52.5s −25° 29′ 48″

1874

Aug. 20	50	0	31.1	50.9	1	26.0	47.3	
22	50	0	16.8	38.6	1	5.6	25.9	
Sept. 10	50	0	23.9	45.3	1	24.8	47.1	
13	50	0	19.9	42.8	0	50.1	12.1	
6M-5	50	0	19.8	36.5				

(7) 1875

Aug. 26	30	2	13.9	29.1	2	40.0	55.1	
28	30	1	51.7	8.7	2	44.9	0.9	
29	30	1	54.1	10.9	3	5.1	21.7	
30	30	2	3.5	20.9	2	46.2	2.8	
31	30	1	42.0	58.8	3	11.5	27.1	
Sept. 28	30	2	40.1	55.8	3	10.5	25.8	lost 1st wire

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

A Sagittarii $19^h\ 10^m\ 20^s$ $-19^\circ\ 11'\ .3$

1874

Aug. 20	30	3	19.3	39.8		—	39.9
22	30	2	59.4	20.0	3	51.4	10.7
24	30	3	2.8	22.7	3	6.9	15.9
26	30	1	40.7				
27	30	3	8.7	27.3	3	0.8	18.4
31	30	3	10.1	30.4	3	4.7	15.5
Sept. 10	30	3	10.9	32.7	3	55.1	16.9

001-5 A. R.

(5) 1875

Aug. 28	10	4	38.1	53.1	0	26.9	43.1
29	10	4	27.3	41.7	1	2.5	17.1
30	10	4	55.1	11.0	—		3.2
31	20	1	19.8	37.2	reject obsv. 8.5 mag. rej. observation		
Sept. 13	10	4	45.3	58.1	lost all the last wires on account of cloud		
28	10	4	38.1	52.9	0	38.5	53.8

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ω Aquilae 19h 11m 57s +11° 22' +20

(One reading to this Star. 5 wires

1874

Aug.	20	0	2	12.9	29.8			
	22	0	1	32.0	50.7	2	17.0	33.3
	23	0	1	26.5	42.2	2	12.7	29.9
	24	0	1	31.1	48.3			30.9
	26	0	1	38.7	53.9	2	15.7	
	27	0	1	29.8	46.0			
	31	0	1	34.0	51.1			
Sept.	10	0	1	34.6	52.9			

(10)

1875

Aug	28	40	3	1.2	17.1
	29	40	3	36.9	53.9
	30	40	3	13.5	30.1
	31	40	3	5.7	23.2
Sept.	28	40	3	10.1	26.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

N.A.

ζ Draconis 19h 12m 31s +67° 26′ 2.40

1874

Aug. 24	55	3	46.7	53.9	3	2.0	13.2	lost 1st wire
26	55	3	1.0	8.8				A_i
27	55	3	0.9	9.3				lost 1st " two wires
31	55	3	0.8	9.3				4th w. + foll.
Sept. 10	55	3	48.5	1.8				lost 2–4 "
Oct 5	5	3	30.5	36.6				

(6)

1875

Aug. 28	40	0	13.7	35.4	0	36.0	52.7	lost 1st " 2 wires
29	40	0	17.6	40.8	0	41.8	4.4	last 4 wires
30	40	0	18.9	41.5	0	43.2	5.5	lost 1st " 3 wires
31	40	0	16.4	40.5	0	52.0	14.5	" " " "
Sept 28	40	0	13.6	36.4	0	31.3	52.7	md wire + foll.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

β Cygni $19^h 14^m 13^s$ +53° 8′ +1.3

1874

Aug. 24	15	1	15.2	28.0	1	53.7	5.9	
26	15	1	~~19.2~~	30.9	1	55.4	6.7	(stet)
27	15	1	16.4	26.7	1	52.3	2.4	
31	15	1	15.7	27.8	1	55.7	8.0	
Sept. 10	15	1	19.0	29.6	1	46.5	0.5	
Oct 5	15	1	44.6	52.2				

(β)

1875

Aug. 28	55	3	6.9	27.2	3	35.9	55.8	5 wires
29	55	3	0.6	21.3	3	28.8	49.9	9 wires
30	55	3	14.5	35.9	3	43.8	6.1	9 "
31	55	3	12.6	34.1	3	49.2	10.8	9 "

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

N.A. ~~χ Sagittarii 19h 47m~~

T ~~χ~~ Draconis $19^h\ 11^m\ 57^s + 73^\circ\ 4'\ +32''.9$

1874								
Aug	23.	15	2	50.4	58.5	3	17.1	25.1
	24	15	2	45.2	52.9	3	11.0	18.5
	25	15	2	52.9	3.3	3	10.7	20.6
	26	15	2	46.9	55.7	3	8.0	15.9
	27	15	2	42.3	50.9	3	7.0	16.0
	31	15	2	41.1	50.5	3	10.9	21.1
Sept.	10	15	2	33.3	45.9	2	57.0	10.1
Oct	5	15	2	42.5	47.2			

(10)

1875								
Aug.	28	55	4	19.0	38.1	4	31.3	48.7
	29	55	3	40.6	59.4	4	22.5	41.6
	30	55	3	40.1	59.1	4	23.4	42.3
	31	55	3	41.7	1.0	4	19.1	39.2
Sept	25	55	3	55.8	12.1	4	28.0	46.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

X N.A

α Aquilae 19^{h}19^{m}12^s +2°52′05″

1874

Aug.	24	30	1	47.7	4.7	2	25.9	42.5
	25	30	1	55.7	12.1	2	29.5	43.6
	26	30	1	36.7	51.7	2	19.9	35.2
	27	30	1	43.7	59.0	2	17.1	33.5
	31	30	1	50.1	7.0	2	26.9	43.4
Sept.	10	30	1	33.2	51.7	2	23.1	41.9

(b)

1875

Aug.	28	10	3	15.4	33.5	4	16.2	34.9
	29	10	2	52.6	10.8	4	20.2	38.7
	30	10	2	48.3	6.7	4	18.9	36.9
	31	10	3	0.3	18.6	4	15.3	32.8
Sept.	1	10	2	52.3	10.8	3	55.3	13.9
	4	10	3	4.9	23.2	3	59.9	17.9

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

4 Oggi 1921 α 5h 53m 56s.5 δ +36° 04' +.73

1874

Aug.	23	20	0	8.7	22.7	0	55.0	8.7
	24	20	0	12.3	26.4	0	51.3	4.9
	25	20	0	13.2	27.0	0	47.8	2.1
	26	20	0	15.9	29.6	0	43.2	56.0
	27	20	0	6.8	20.4	0	57.2	12.5
	31	20	0	8.7	23.5	0	36.0	51.1
Sept	10	20	0	57.0	13.7			
~~Oct~~	5	20	0	8.2	17.4			

(10)

1875

Aug.	28	0	1	37.8	57.0	2	27.7	47.5
	29	0	1	30.9	50.9	2	36.3	56.5
	30	0	1	41.9	1.5	2	51.2	10.5
	31	0	1	15.2	36.2	2	44.9	5.0
Sept.	1	0	1	30.2	50.2	2	32.2	52.1
	~~4~~	~~0~~	~~1~~	~~37.1~~	~~57.6~~	~~2~~	~~14.9~~	~~36.2~~
	28	0	1	44.2	4.4	2	22.0	42.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

ρ Cygni 19h 25m 41s +27° 42′ +.53

1874

Aug. 23	40	2	15.8	27.5	2	56.0	9.2	B′
24	40	2	13.3	26.2	2	48.9	0.9	
25	40	2	13.1	25.4	2	56.4	8.9	
26	40	2	11.9	22.9	3	7.9	19.4	
~~27~~	~~40~~	~~2~~	~~12.6~~	~~26.7~~	~~2~~	~~59.8~~	~~12.1~~	
31	40	2	11.1	24.5	2	54.9	8.1	
Sept. 2	40	2	14.8	27.6	2	0.0	13.9	
~~8~~	40	2	25.6	37.6	3	14.0	26.7	lost 1st. w.
9	40	2	13.0	26.8	2	54.9	9.3	
10	40	2	17.0	34.1	2	57.7	12.2	
Oct 5	40	2	46.2	54.3				

(8)

1875

Aug. 28	20	3	33.6	52.5	4	25.9	45.3	
29	20	3	28.8	49.0	4	53.8	13.0	
30	20	3	28.9	49.5	4	51.5	11.1	B′
31	20	3	27.3	48.1	4	57.5	182	
Sept. 1	20	4	35.1	54.7	4	57.8	18.7	5 wires
~~4~~	~~25~~	~~0~~	~~11.4~~	~~31.7~~	~~1~~	~~17.2~~	~~38.1~~	
24	20	3	41.9	0.5	4	38.9	56.1	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2 h m s
h Sagittarii 18 28 26 −25° 0′ −4″
1874 h2 29 5 −25 9

Aug. 23	20	1	48.0	8.2	2	39.9	0.3	
25	20	1	34.9	54.4				
~~27~~	~~20~~	~~1~~	~~36.9~~	~~57.7~~				
31	20	1	43.6	6.1				
Sept. 1	20	1	33.7	54.8				
2	20	1	45.2	6.9				
9	20	1	40.8	4.9				
10	30	1	47.3	10.8				

h2

(III)
1875.

Aug 30	10	2	56.8	13.7	4	27.0	43.9	get K Aquilae
31	10	3	8.5	23.9	4	24.1	40.4	Omit next #
Sept. 1	10	3	20.7	37.4				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Gn. ~~1719~~ 2908 $19^h\ 29^m\ 13^s$ $+79^\circ\ 21'$ +5.31

(next ##)

1874

~~Sept. 25~~

27	0	4	32.4	38.9					lost 1st 7.+3 2d wires
31	0	4	33.6	41.0					lost 1st wire
Sept. 1	0	4	36.8	43.3					
2	0	4	35.7	42.3					
10	0	4	36.6	46.9	4	44.6	54.9	A_1	
~~Oct. 6~~ (7) (~~8~~)	0	4	32.2	35.2					

1875

Sept. 25	45	0	41.6	3.1	0	56.7	17.8	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

V. N.
k Aquilae $19^h\ 30^m\ 10^s - 7°\ 18'\ .13$

1874

Aug.	23	40	1	39.9	57.7	2	25.0	43.9
	25	40	1	46.1	4.8	2	26.0	44.9
~~Sept.~~	~~27~~	~~40~~	~~2~~	~~8.9~~	~~26.3~~			
	31	40	2	14.1	34.4			
Sept.	7	40	1	26.6	45.9			
	9	40	1	24.8	45.9			

md. w + fold.
md. w. + fold.

(7)

1875

Sept.	1	20	3	6.6	22.8	3	49.1	4.9
	4	20	3	9.1	24.1	3	54.1	10.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

7349

ε Sagittae. 19 $\overset{h}{1}$ $\overset{s}{38}$ +16° 11′ +29

1874

Aug. 23	10	2	56.9	12.8	3	42.5	59.0	
25	10	3	3.0	18.1	3	47.0	2.9	
27	~~10~~	~~3~~	~~3.9~~	~~19.7~~	~~3~~	~~44.8~~	~~0.9~~	
31	10	3	3.3	20.2	3	49.0	6.7	
Sept 1	10	2	0.6	17.1	3	40.2	57.4	
2	10	2	57.1	14.5	3	40.7	57.8	
~~7~~	10	2	51.9	9.4	3	39.7	55.5	
9	10	2	54.9	12.9	3	33.5	50.0	
Oct. 5	10	3	0?	11.9				

(10)

1875

Aug 30	50	4	28.5	45.1	0	20.0	38.0	
31	50	4	11.8	27.2	0	40.8	57.0	
Sept. 1	50	4	17.0	32.8	0	18.1	35.8	
4	50	4	19.9	36.1	0	11.5	28.9	
5	50	4	30.9	46.2	0	19.0	36.0	
7	50	4	0.3	16.9				md. groups, 5 wires
28	50	4	41.9	55.7	0	19.7	35.4	

.
.
.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2657

B.Ale. 6737 $19^h 33^m 25^s$ $+63^\circ 09' +1.88$

1874

Aug.	23	15	0	31.0	46.3	0	58.5	7.5	
	25	15	0	35.8	45.9	0	57.8	7.2	
	31	15	0	27.2	39.4	0	55.6	6.1	
Sept.	1	15	0	38.1	49.5	1	4.9	15.2	
	2	15	0	28.0	39.8	0	49.8	59.8	perhaps omitted 3d stroke for 1st 8'
	~~8~~ 7	15	0	31.0	42.8	0	52.0	3.3	5 wires,
	9	15	0	31.1	43.4	0	52.6	4.0	
	10	15	0	29.7	43.1	0	43.6	56.8	
	~~8~~ 5	15	0	52.9	59.0				

(9)

1875

Aug.	31	55	2	1.2	21.8	2	30.5	51.0	lost 2nd wire
Sept.	1	55	1	53.2	13.7	2	26.0	47.0	lost 2nd wire
	4	55	1	51.2	11.9	2	21.6	43.2	lost 2nd wire
	5	55	1	55.0	15.4	2	23.9	43.8	
	7	55	2	8.2	28.9	2	24.1	46.2	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

7249

β Sagittae 19h 35m 26s +19° 11′ +31

1874

Aug.	23	10	2	35.7	50.9	3	27.5	43.7
	25	10	2	37.7	54.7	3	25.0	40.9
	31	10	2	36.8	55.8	3	25.1	41.8
Sept.	1	10	2	37.0	54.9	3	27.9	44.2
	2	10	2	39.8	56.5	3	18.1	36.2
	7	10	2	46.4	3.5	3	28.5	46.6
	9	10	2	35.9	53.6	3	12.0	30.1
	10	10	2	27.7	47.0	3	33.0	51.1

(18)

1875

Aug.	31	50	3	57.3	14.2	0	26.9	44.4
Sept.	1	50	3	52.0	9.0	4	56.3	14.5
	4	50	4	3.1	21.2	0	6.8	24.9
	5	50	3	58.5	15.9	0	8.9	25.8
	7	50	4	0.8	17.9	0	9.9	27.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

BAC. 6 Cet 19 h m s 3 8 0 2 — 32 12' — 63

1874

Aug	23.	30	3	27.8	43.7	4	28.5	40.0
	25	30	3	35.0	50.9	4	16.0	31.4
	31	30	3	46.6	3.9	4	44.7	1.8
Sept	1			false observation				
	2	30	3	43.3	1.0	4	30.8	48.1
	7	30	3	33.1	57.0	4	13.4	30.7
	9	30	3	37.1	55.3	4	22.8	41.6
	10	30	3	42.7	1.6	4	32.0	51.1
Oct	5	30	3	37.3	57.6			

(10)

1875

Aug	31	10	4	51.5	12.2	1	10.4	29.7
Sept.	1	15	0	5.5	25.7	0	56.5	16.8
	4	15	0	10.1	31.3	1	22.8	42.9
	5	15	0	0.5	20.9	—	—	13.0
	7	15	0	10.7	31.5	0	54.9	13.8
	8	15	0	16.1	36.8	1	5.1	25.0

. . . .

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A

γ Aquilae 19h 40m 19s +10° 19′ +18

1874

Aug. 23	5	0	7.2	24.7	0	55.7	12.0	
25	5	0	4.0	20.0	0	50.0	6.9	
31	5	0	7.5	25.4	1	4.1	21.1	
Sept. 1	~~5~~	~~0~~	~~13.1~~	~~32.1~~	~~0~~	~~0.7~~	~~17.7~~	fc
2	5	0	11.9	30.2	1	5.5	24.0	
~~7~~	5	0	8.7	26.0	0	57.9	15.1	
9	5	0	8.0	25.0	0	41.7	0.1	
10	5	0	11.5	32.4	0	58.8	18.2	

Oct 5

A R 1

(10)

1875

Aug. 31	45	1	29.9	48.0	2	53.0	11.5	
Sept. 1	45	1	28.8	46.9	2	41.8	59.9	
4	45	1	36.7	55.0	2	40.1	58.3	
5	45	1	39.0	56.9	2	27.0	44.8	
7	45	1	38.6	56.7	2	37.1	54.4	
8	45	1	40.1	56.7	2	33.1	51.1	
14	45	1	36.0	51.9	2	27.8	44.2	
~~28~~	45	1	45.0	1.0	2	43.0	59.4	
Oct. 4	45	1	37.2	53.2	2	18.3	34.0	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1990.

7146

ν Sagittae $19^h 41^m 4^s$ $+18^\circ 14' +33$

1874

Aug. 25	10	0	16.2	32.9	0	1.8	18.0	
31	10	0	22.9	40.6	1	6.2	22.9	
Sept 1	~~10~~	~~0~~	~~16.0~~	~~34.1~~	~~1~~	~~2.0~~	~~19.2~~	
2	10	0	24.4	41.8	1	8.1	24.8	
~~3~~	10	0	14.0	31.5	1	8.4	26.3	
9	10	0	18.2	36.9	0	1.2	19.7	
Oct 5	10	0	20.9	33.5				

(5)

1875

Sept. 1	50	1	44.8	1.7	2	37.1	54.1	
4	50	1	48.1	7.5	2	43.9	2.1	lost 1 at wire
5	50	1	48.7	6.0	2	40.0	57.1	
7	50	1	45.5	3.9	2	37.0	53.4	
8	50	1	51.1	8.1	2	36.3	53.1	
14	50	1	44.1	0.5	2	47.6	4.6	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

71 10

ζ Sagittae 19h 43m 36s +18° 50′ +.34

1874

Aug.	25	30	4	11.3	25.4			
	31	30	4	14.1	28.9	4	49.7	7.7
Sept.	1	30	4	10.0	25.9			5.7
	2	30	4	7.2	22.7			
	~~7~~	30	4	6.1	21.9	4	59.7	15.9
	9	30	4	5.0	21.4			
Oct.	5	30	4	20.0	36.8			

(5)
1875

Sept.	1	15	0	41.5	0.9	1	23.7	41.9
	4	15	0	45.8	4.5	1	42.8	2.2
	5	15	0	37.3	55.8	1	20.8	39.2
	7	15	0	35.1	54.6	1	33.2	51.8
	8	15	0	44.8	2.1	1	34.0	51.5

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

ξ Aquilae 19h 44m 41 +8° 32′ +.5

1874

~~Next star 2~~

Aug.	25	50	1	20.9	37.1	1	0.0	15.9
	31	50	1	32.0	49.1	2	12.4	28.1
Sept	2	50	1	21.0	39.9	1	53.0	8.9
	~~5~~ 7	50	1	37.5	54.7	2	29.8	47.0
	9	50	1	22.9	40.5	2	7.7	25.1

~~001-3~~ ~~AR~~

(7)

1875

Sept. 1	30	2	58.1	16.4	3	58.9	17.1
4	30	3	4.2	22.8	3	44.5	1.8
5	30	2	46.2	4.4	3	41.5	58.3
7	30	2	54.8	13.9	3	43.5	1.8
8	30	2	57.8	9.5			
14	30	2	50.7	8.5	3	45.5	1.9
28	30	2	55.8	11.9	3	48.0	4.5

false stroke in A −1

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

2 Aquilae 19 4.6 h m s 6 + 0 ° 41 ' 1,0 1

1874

Aug. 31	40	2	28.6	45.2	3		13.0	30.0
Sept 1	40	2	35.0	52.9	3		23.9	41.1
2	40	2	23.0	40.9	3		6,2	23.9
9	40	2	19.5	39.7	3		4.5	22.8
Oct. 5	40	2	0.0	14.1				

lost A+1

(7)

1875

Sept. 4	20	3	54.5	12.3	4		42.3	0.5
5	20	3	46.9	4.1	4		48.8	6.6
7	20	3	51.7	7.7	4		39.7	55.9
8	20	3	54.0	10.8	4		45.5	°2.3
14	20	3	59.7	14.3	4		46.1	60.3
28	20	3	58.3	14.0	4		42.6	57.9
Oct. 4	20	3	57.8	12.8	4		43.1	57.3

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

N.A.

ε Draconis $19^h\,48^m\,35^s$ $+69°\,57'\,2$ +2.74

1874

Aug. 25	25	3	4.0	13.0	3	25.3	36.0	
31	25	2	59.6	10.7	3	14.4	25.9	
Sept. 1	25	2	55.2	6.9				
2	25	2	55.3	7.1	3	19.9	30.5	
~~7~~	25	3	4.7	14.0				
9	25	2	57.6	8.3				lost last wire
Oct. 5	25	3	19.9	26.6	3	35.7	42.7	

(5)

1875

Sept. 4	5	4	14.0	33.2	4	52.0	13.5	next ~~*~~ very quick
5	5	4	4.4	23.2	4	21.1	39.9	one reading
7	5	4	8.6	28.0	4	34.9	53.9	
8	5	4	16.6	35.0	4	38.9	56.0	
14	5	4	11.6	29.1	4	29.9	48.1	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

R.A. $1^h\ 2^m\ 5^s$
Aquilae 19.49 $10^\circ + 6^\circ\ 6'$ +.11
1874

Aug. 31	15	3	38.3	55.2	
Sept 1	15	3	30.9	49.8	lost 1st ½ 2 wires
2	15	3	25.1	41.8	
~~7~~	15	3	31.1	48.1	lost lost 1st ½ 2 wires.
9	15	3	13.0	31.1	lost 1st ½ wire
Oct 3	15	2	49.1	4.1	

(b)

1875

Sept. 5	55	4	54.5	10.9	one reading
7	55	4	59.8	15.1	lost 1st ½ wire
8	55	4	50.2	6.4	lost 1st ½ wire
14	55	4	44.5	59.6	lost 1st ½ wire
28	55	4	33.0	48.1	
Oct. ~~4~~ 4	55	4	34.4	50.2	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

h m s
λ Tau Mira 1949 18 + 8° 55' 52" ~~1.8~~

1874

Aug. 25	30	0	59.8	8.0				~~3, 4, 5, 6, 1, + 7.~~ 4, 5, + 6.
31	25	4	59.4	8.8	0	4.9	13.9	md. wire + foll.
Sept 1	25	4	59.0	5.9	0	1.9	10.8	4.4 + foll.
2	25	4	58.7	7.3	0	2.0	10.1	
~~3~~ 7	25	4	58.3	7.8	0	0.3	8.1	md. wire + foll.
9	25	4	57.5	6.4	0	2.0	11.9	4 wire + foll.
~~12~~	~~30~~	~~0~~	0.5	10.9	0	4.5	13.8	~~4 w.~~ + foll.
14	25	4	57.1	6.5	4	59.6	8.9	md. wire + foll.
Oct. 3	25	4	58.7	5.6				last 2 wires

(10)

1875

Sept. 4	.10	1	19.9	44.3	1	22.8	46.2	last 4 wires
5	10	1	24.1	45.8	1	27.0	48.4	last 4 wires
7	10	1	21.3	43.9	1	24.1	47.1	md. wire + foll.
8	10	1	20.3	43.1	1	23.5	45.9	md. wire + foll.
14	10	1	22.8	43.6	1	24.9	46.6	rej. 1st 8, last 4 wires
28	10	1	23.1	45.3	1	23.9	46.5	last 4 wires
Oct. 4	10	1	19.1	41.6	1	20.3	43.4	last 4 wires
13	10	1	16.2	35.1	1	22.7	41.1	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

Duc Mii.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

25 32

ε Draconis, $20^h\ 0^m\ 0^s$ $+64^\circ\ 28'$ +2.0g

1874

Aug. 31	55	1	37.3	46.9	2	9.7	18.7	
Sept. 9	55	1	31.4	42.3	2	7.1	17.0	
12	55	1	34.3	44.8	1	58.5	10.3	
14	55	1	28.9	40.4	1	59.5	10.3	false stroke after S.
Oct. 3	55	1	27.5	37.0	1	57.9	6.8	

(7)

1875

Sept 7	35	2	56.2	15.1	3	26.7	46.1	lost 2nd wire
8	35	2	44.9	3.9	3	7.5	26.1	
14	35	3	10.2	27.9	3	38.6	56.1	
28	35	3	10.9	29.6	3	27.5	45.9	
Oct. 4	35	2	52.9	11.7	3	31.7	50.1	
5	35	2	59.1	19.9	3	31.7	51.6	
13	35	3	0.9	14.9	3	28.2	42.3	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

34 1

B.A.C. 6924 $20^h 2^m 30^s$ $+55^\circ 59'$ +7.48

1874

Aug. 31	25	0	45.3	55.9	1	36.9	47.1	
Sept. 9	25	0	49.0	59.9	1	25.3	36.6	
12	25	0	47.1	59.7	1	9.0	20.1	
14	25	0	45.6	57.7	1	26.4	38.6	lost A_1,1
Oct. 3	25	0	43.9	53.2	1	23.7	34.9	

(7)

1875

Sept. 7	5	2	5.0	25.5	3	3.2	23.9
8	5	2	13.3	34.1	2	57.1	16.4
14	5	2	0.9	20.6	2	50.7	10.0
28	5	2	5.0	24.9	2	48.9	8.2
Oct. 4	5	2	5.6	24.7	2	55.2	14.9
5	5	2	7.1	27.3	2	35.7	56.1
13	5	2	7.4	22.1	2	43.8	58.5

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

D. Aymée 20 4m 51s − 1° 11′ .02

1874

Aug. 31	35	0	0.8	20.9	0	46.7	7.0	
Sept. 9	30	4	47.5	7.9	0	46.9	7.2	
12	30	4	52.9	13.7	0	37.7	58.4	
14	30	4	55.2	15.2	0	36.1	56.5	
Oct. 3	30	4	57.4	14.1	0	46.6	54.3	

(7)

1875

Sept. 7	15	1	23.4	42.1	2	17.9	36.5	
8	15	1	28.8	46.5	2	19.0	37.0	
14	15	1	20.1	36.9	2	18.2	33.9	
~~28~~	~~15~~	~~1~~	~~25.0~~	~~42.0~~	~~2~~	~~12.9~~	~~28.5~~	
Oct. 4	15	1	32.5	48.2	2	32.0	47.2	
5	15	1	23.9	41.2	2	22.4	38.0	
13	15	2	13.3	25.0	2	33.7	44.9	5 wires
14	15	1	24.7	39.1	2	10.9	23.4	

no more

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

63 54,

20 Julpecula $20^h\ 6^m\ 46^s$ $+26^\circ\ 6'$ +.49

1874

Aug. 31	15	2	37.9	52.1	3	32.7	46.1
Sept. 9	15	2	44.9	59.0	3	18.7	33.4
12	15	2	43.6	58.9	3	22.9	38.9
14	15	2	38.3	53.5	3	17.5	32.1
Oct. 11	15	2	43.8	56.1	3	21.3	340

(7)

~~Sept. 7~~	55	3	~~59.9~~	18.5	4	~~57.7~~	~~17.9~~
8	55	4	1.5	20.1	4	55.0	15.0
~~28~~	~~55~~	4	~~11.5~~	~~28.6~~	0	0.3	20.1
Oct. 4	55	4	10.1	27.8	4	58.5	16.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1074phae..proj..1996.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1974phae.proj..139O.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1874phae.proj.1390.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

-1874phae..proj..ccgo.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System