KG
11366
018

1915phae.proj.1019L

I

H.S. Locke

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

1915phae.proj.1019L

KE11366018

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

1915phae.proj.1019L

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

1915phae.proj.1019L

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

1915phae..proj.1019L

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

1915phae.proj.1019L

KG 11366.017

HARVARD
UNIVERSITY
LIBRARY
JUL 17 1956

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

1915phae.proj.1019L

Friday, Oct 22, 1915

Estimates of Comparison Stars of S Ursae Majoris

11.00

Plate I 17812 ~~d 2 f 0 g' 2 g 2 3 g 3~~

d 2 f 1 g' 2 g² 3 g³ 1 h 1 l 2 k 2 m 1 n 2 0 1 p
2 q 2 R 3 S 1 t

Plate I 15356 d 2 f 2 g' 1 g² 2 g³ 1 h 2 l 3 k 2 m 1 n 2 0 2 p
~~1 q~~

S Ursae Majoris

Plate I 17812 ~~p 1 V 2 R~~

p 1 V

V 1 g

plate I 15356 f 2 V

V 1 g'

Plate I 15357 f 0 V

V 1 g'

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

1915phae.proj.1019L

15 G 11366-018

2

Saturday Oct. 23, 1915

10.25 S Ursae Majoris.

Plate ☽ 13437	m 1 v	11.50	11.50
	v 1 N	11.50	
Plate ☽ 13477	l 1 v	10.74	10.97
	v 2 m	11.20	
plate ☽ 15177	g^3 1 v	10.02	10.06
	v 1 h	10.10	
plate ☽ 15179	~~h 1 v~~	$g^{1\frac{1}{2}}$ 2 v 9.80	9.81
	~~v 2 h~~	v 1 g^3 9.82	
plate ☽ 15300	g' 1 v	9.44	9.58
	v 2 g^3	9.72	
plate ☽ 15309	g' 1 v	9.44	9.58
	v 2 g^3	9.72	
plate ☽ 15356	g' 1 v	9.44	9.58
	v 2 g^3	9.72	
plate ☽ 15357	f 1 v	9.12	9.68
	v 1 g'	9.24	
plate ☽ 15476	h 2 v	10.40	10.47
	v 1 l	10.54	
plate ☽ 15522	l 2 v	10.84	11.07
	v 1 m	11.30	
plate ☽ 15697	p 1 v	12.54	12.83
	v 3 q	13.12	

11.25

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

1915phae.proj.10191

Monday Oct 25, 1915

10.85 S Ursae Majoris.

Plate 16438	p 2 v	12.64	12.93
	v 1 g	13.22	
plate 16537	N 1 v	11.70	11.98
	v 10	12.26	
plate 16544	N 1 v	11.70	11.98
	v 10	12.26	
plate 16754	m 1 v	11.50	11.50
	v 1 N	11.50	
plate 16781	l 2 v	10.84	11.07
	v 1 m	11.30	
plate 16793	l 2 v	10.84	11.07
	v 1 m	11.30	
plate 17029	h 1 v	10.30	10.55
	v 2 k	10.80	
plate 17293	g^1 1 v	9.44	9.67
	v 2 n	9.90	
plate 17395	g^2 1 v	9.70	9.76
	v 1 g^3	9.82	
plate 17536	l 2 v	10.84	10.87
	v 1 k	10.90	
plate 17537	k 1 v	11.10	11.20
	v 1 m	11.30	
plate 17811	p 2 v	12.64	10.98
	v 1 g	13.22	

11.45

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

1915phae.proj.1019L

11.05

Tuesday Oct 26, 1915

S Ursae Majoris

Plate J 18415	l 1 v	10.74	10.77
	v 2 k	10.80	
plate J 18204	n 1 v	13.53	13.72
~~plate J 18204~~	v 1 s	13.82	
plate J 18205	n 2 v	13.63	13.63
plate J 18316	l 2 v	1084	11.02
	v 2 m	11.20	
plate J 18367	l 1 v	10.74	10.77
	v 2 k	10.80	
plate J 18414	g^3 2 v	10.12	10.11
	v 1 h	10.10	
plate J 19545	~~n 2~~ v 0 1 v	12 46	12.40
	v 1 p	12.34	
plate J 20170	l 1 v	10.74	11.02
	v 1 m	11.30	
plate J 20375	g^3 1 v	10.02	10.06
	v 1 h	10.10	
plate J 16786	l 2 v	10.84	10.87
	v 1 k	10.90	
plate J 16712	k 1 v	11.10	11.15
	v 2 m	11.20	

12.10

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

1915phae.proj.1019L

Wednesday Oct 27, 1915

10.40 S Ursae Majoris

AC	7344	10.4
AC	7273	10.5
AC	7217	11.5
	7376	10.4
	7381	~~9.8~~ 10.1
	7385	9.8
	7392	9.8
	7403	9.7
	7415	9.7
	7418	9.7
	7427	9.7
	7432	9.6
	7436	9.6
	7444	9.5
	7452	9.4
	7459	9.4
	7462	9.4
	7475	9.7
	7545	10.5
	7284	10.8
	7342	10.7
	7393	9.8
	7409	9.8
	7439	9.8
	7467	9.7
	7471	9.7
	7499	9.8

AC	7507	9.8
	7516	10.0
	7523	10.4
	7530	10.4
	7538	10.5
	7554	~~10.5~~ 10.8
	7580	10.9

12.15

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

1915phae.proj.1019L

10.35

Thursday Oct 28, 1915

S Ursae Majoris. (reversed plate)

AC	7462	9.8	7432	9.7
	7273	10.5	7284	10.8
	7385	10.0	7427	9.7
	7415	9.8	7545	10.5
	7523	9.8	7459	~~9.6~~ 9.7
	7342	11.2	7418	9.7
	7392	10.3	7381	10.3
	7467	9.7	7344	10.3
	7217	11.5	7452	9.7
	7507	9.8		
	7439	9.8		
	7554	10.5		
	7403	10.5		
	7393	9.8		
	7475	9.7		
	7538	10.3		
	7444	9.5		
	7580	10.9		
	7530	10.3		
	7376	10.5		
	7499	9.7		
	7471	9.8		
	~~730~~			
	7436	9.7		
	7409	9.7		
	7516	10.1		

11.40

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

1915phae.proj.1019L

Friday Oct 29, 1915

10.00

S Ursae Majoris (reversed plate)

D.	18204	~~12.2~~ 12.7	D15177	9.4
	18367	10.4	15300	9.5
	17811	12.6	18205	13.1
	15179	9.5	15356	9.4
	17536	11.1	15357	9.4
	15697	12.2	20375	10.3
	13477	10.7	20170	11.6
	17395	10.3	17293	9.4
	16793	10.9	18414	10.1
	17029	10.4		
	16781	10.7		
	16544	11.7		
	~~1~~	~~13.3~~		
	18415	10.5		
	15309	9.3		
	18316	11.0		
	15522	11.1		
	16786	~~10.8~~ 10.8		
	15476	10.8		
	16537	11.6		
	16712	10.9		
	16438	12.6		
	19545	12.4		
	16754	11.2		11.30
	13437	11.0		
	17537	11.1		
	~~1~~	~~9.4~~		

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

1915phae.proj.1019L

Saturday ~~Oct.~~ Oct. 30, 1915

11.15 S Ursae Majoris

AC.	7332	10.7	AC6094	11.1
	7440	9.5	5602	11.7
	7395	9.8	5729	11.5
	5976	9.8	5994	10.4
	5852	9.8	6058	11.1
	5930	9.9	5848	9.7
	6073	11.1	5659	11.6
	5897	9.6	6050	10.7
	5621	11.6	5719	11.5
	5963	9.9	5834	9.7
	5603	11.5	7500	9.9
	6105	11.0	7573	10.3
	5662	11.5		
	5819	10.0		
	6135	11.5		
	5887	9.6		
	5929	~~9.4~~ 9.5		
	6029	9.9		
	5874	9.8		
	5673	11.5		
	5960	9.8		
	5792	10.4		
	5876	9.7		
	5669	11.5		
	5756	11.5		
	5920	9.8		

12.40

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

1915phae.proj.1019L

Monday Nov. 1, 1915

10.35 S. Ursae Majoris (reversed plate)

AC	6058	10.8	AC	5621	11.8
	5994	10.3		5702	11.4
	5729	11.3		5897	9.6
	5602	11.1		6073	11.2
	6094	11.3		5930	9.8
	5920	9.8		5852	9.7
	5756	11.5		5976	10.4
	5834	9.7		7481	10.1
	5719	11.2		7573	11.4
	6050	10.7		7395	10.2
	5659	11.6		7500	10.2
	5848	9.7		7332	10.7
	5669	11.5			
	5876	9.4			
	5792	10.3			
	5960	9.8			
	5673	11.4			
	5874	9.6			
	5929	9.8			
	5887	9.8			
	6135	11.5			
	5819	9.7			
	5662	11.5			
	6105	11.2			11.50
	5603	11.4			
	5963	9.9			

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

1915phae.proj.1019L

Tuesday, Nov. 2 1915

10.00

S Ursae majoris

AC	2265	11.0	AC 2446	<11.0
	2140	9.7	2394	<11.6
	2068	10.0	2388	<11.0
	2431	11.5	2456	<11.6
	2559	12.0	2540	<12.3
	2336	11.5	2646	<10.2
	2689	9.8	2297	<10.2
	2416	13.3	2657	<9.9
	2116	9.7	2566	<11.0
	2259	10.7	2534	<13.3
	1991	10.2	2475	<12.8
	2340	12.1	2508	<13.9
	2666	<9.6		
	2681	9.8		
	2574	<10.6		
	2207	10.5		
	2497	<11.0		
	2383	<11.6		
	2190	10.0		
	2266	<10.2		
	2088	9.7		
	2237	10.5		
	1981	10.5		
	2680	10.1		11.00
	1980	11.3		
	2619	<10.2		

Jan. 17, 1916

AC 2559 <12.3

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

1915phae.proj.1019L

Wednesday Nov. 3. 1915

10.35

S Ursae Majoris

			(Reversed plate)	
AC	226.5	10.9	AC 2383	<11.6
	2140	9.7	2190	10.1
	2068	9.8	2266	<9.9
	2431	<11.4	2088	9.8
	2508	<13.9	2237	10.3
	2559	<12.3	1981	10.5
	2336	11.5	2680	10.0
	2689	9.7	1980	10.8
	2416	<13.3	2619	<10.2
	2116	9.8	2446	<11.0
	2259	10.8	2394	<12.8
	1991	10.4	2388	<11.0
	2475	<12.8		
	2534	<13.3		
	2566	<11.0		
	2657	~~<10.2~~ 9.6		
	2297	<10.2		
	2340	11.6		
	2646	<10.2		
	2540	<11.6		
	2666	<9.6		
	2456	<11.6		
	2661	9.8		
	2574	<10.6		
	2207	10.4		
	2497	<11.0		

11.30

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

1915phae.proj.1019L

Thursday. Nov. 4, 1915

11.20

S Ursae Majoris

AC	2121	9.9	AC	2301	11.3
	2661	<9.6		2726	9.4
	2726	9.4		2661	<9.6
	2301	11.3		2121	9.7
	2629	10.7		D.32765	11.0
	2558	<11.4		33977	9.4
	2247	10.5		28818	11.3
	2484	<11.4		34037	10.4
	2248	<10.6		32542	9.7
	2564	<11.6		28848	11.3
D	28797	12.6		34027	9.8
	33976	9.5		33976	10.0
	34027	9.9		28797	12.6
	28848	11.3			
	32542	9.7			
	34037	10.4			
	28818	11.5			
	33977	9.5			
	32765	10.7			

Plate reversed

AC	2564	< 11.6
	2248	< 10.2
	2484	<11.4
	2247	10.6
	2558	<11.6
	2629	10.8

12.20

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

1915phae.proj.1019L

Saturday Nov. 6, 1915

11.05

Plate MC 4331

Scale m	Sc. 1	Sc 2		Sc 1.		Sc. 2	
5	B	B		5n	4.1 4.3	~~Sc. 2~~ 4.3	4.30
6	1.2	B	1.4	6n	4.5 4.7	4.9	4.80
7	1.3	B	1.5	7n	5.5 5.7	~~5.6~~ 5.8	5.75
8	2.3	B	2.5	8n	5.9 6.1	6.1	6.10
9	3.1	B	3.3	9n	6.8 7.0	6.7	6.85
10	3.3	B	3.5	10n		7.6	
11	3.8 4.0	4.3	4.15	11n		8.3	
12	4.3 4.5	4.5	4.50	12n		8.5	
13	4.8 5.0	5.3	5.15				
14	5.5 5.7	5.5	5.60				
15	~~4.3~~ 5.8 6.0	5.8	5.90				
16	6.5 6.7	6.5	6.~~55~~ 60				
17	6.9 7.1	6.8	6.95				
18	7.1						
19	7.3						
20	7.9						
21	8.5						
22	8.5						
23	8.7						
24	8.8						
25	8.8						
26	9.1						
27	~~8~~ F						
28	F						

Sc. 2

12.25

5D	5.5 5.7	5.5	5.60		
6D	6.1 6.3	6.2	6.25		
2n	2.2	B	2.4		
3n	3.2	B	3.4		
4n	3.1	B	3.3		

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

1915phae.proj.1019L

Monday Nov. 8, 1915

11.00

Scale m Plate mc. 4326. With Pole for Cor. for Dist.

	Sc.1	Sc2		Sc.1	Sc.2
5	B		2r		
6			3r		
7			4r	3.2	3.4
8	2.3	2.5	5r		
9	2.5	2.7	6r		
10			7r		
11			8r		
12			9r		
13			10r		
14			11r		
15			12r		
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
5h					
6h					

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

1915phae.proj.1019L

Monday. Nov 8, 1915

Scale m. Plate m'e 4325 Gr. for Dist. Cut.

	Sc. 1	Sc. 2		Sc. 1	Sc. 2
5	B	B	5p	~~4.8~~ 5.1 5.3	5.5 5.40
6	1.2	B 1.3	6p	5.5 5.7	5.5 5.60
7.			2r	1.9 2.1	B 2.1
8.	2.3	B 2.5	3r		
9.	2.7	B 2.9	4r	2.8	B 3.0
10.	3.5	B 3.7	5r		
11.	3.2	B 3.4	6r	4.1 4.3	4.8 4.55
12.	3.9	B 4.1	7r	4.5 4.7	5.1 4.90
13.	4.1 4.3	4.7 4.50	8r	4.9 5.1	5.5 5.30
14	4.8 5.0	4.9 4.95	9r	~~6.8~~ 6.1 6.3	7.1 6.70
15	5.3 5.5	5.5 5.50	10r	7.2 } Sc. 2	
16	5.7 5.9	5.9 5.90	11r	7.8 }	
17.	5.9 6.1	6.2 6.15	12r	8.1 }	
18.	6.6 6.8	6.8 6.80			
19.		7.2			
20.		7.5			
21.		7.5			
22		7.9			
23		7.8			
24		8.5			
25		8.6			
26		8.9			
27		F			12.05
28		F			
~~29~~					

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

1915phae.proj.1019L

Tuesday. Nov. 9, 1915

11.25

Cor. for Dist. Cent.

Scale m Plate mc 4324

	Sc.1	Sc.2			Sc.1	Sc.2	
				2n	1.6 ~~Sc1~~	B	
5	B			3n			
6	1.2	1.4		4n	2.9	B	3.1
7				5n	3.2	B ~~4.8~~	3.3
8	2.1	2.3		6n	3.9 4.1	4.8	4.45
9	2.8	3.0 ~~3.0~~		7n	5.1 5.3	5.3	5.30
10	2.9	B 3.1		8n	5.5 5.7	6.1	5.90
11	3.5	B 3.7		9n	6.1 6.3	6.1	6.20
12	3.8 4.0	4.1 4.05		10n	~~7.~~	7.3	
13	4.8 5.0	4.8 4.90		11n		7.8	
14	5.1 5.3	5.2 5.25		12n		8.3	
15	5.5 5.7	5.7 5.70					
16	6.1 6.3	6.2 6.25					
17	6.5 6.7	6.5 6.60					
18	6.9 7.1	6.9 7.00					
19	X	7.5					
20		7.5					
21		7.9					
22		8.1					
23		8.1					
24		8.5					
25		8.6					
26		F					
27		F					
28		F					
5b	5.3 5.5	5.2 5.35					
6s	5.7 5.9	5.5 5.70					

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

1915phae.proj.1019L

Tuesday. Nov. 9, 1915

Scale m mc 4323

	Sc.1	Sc.2		Sc.1	Sc.2
5	B	B	2r	1.5	B 1.7
6	1.1	B 1.3	3r		
7			4r	2.5	B 2.7
8	2.1	B 2.3	5r	3.6 3.8	4.1 3.95 ~~3.95~~
9	2.3	B 2.5	6r	3.9 4.1	4.9 4.50
10	2.8	B 3.0	7r	5.1 5.3	5.5 5.40
11	3.5	B 3.7	8r	5.8 6.0	5.8 5.90
12	3.8 4.0	4.2 4.10	9r	6.1 6.3	6.5 6.40
13	4.5 4.7	4.5 4.60	10r		7.5
14	4.9 5.1	5.1 5.10	11r		7.9
15	5.2 5.4	5.5 5.45	12r		8.5
16	6.1 6.3	5.9 6.10			
17	6.2 6.4	6.5 6.45			
18	6.8 7.0	6.9 6.95			
19		7.3			
20		7.5			
21		7.8			
22		7.9			
23		8.3			
24		8.5			
25		8.9			
26		8.9			
27		7			12. 40
28		7			
5r	5.1 5.3	5.5 5.40			
6r	5.9 6.1	5.8 5.95			

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

1915phae.proj.1019L

11-45

Wed. Nov. 10, 1915

Gr. for Dist. Cont.

Scale m

MC 4322

	Sc. 1	Sc. 2
5	B	B
6	1.1	B 1.3
7	1.5	B 1.7
8	2.1	B 2.3
9	2.9	B 3.1
10	3.8	B 4.0
11	3.8	B 4.0
12	4.3 4.5	4.1 4.30
13	4.9 5.1	5.1 5.10
14	5.1 5.3	5.5 5.40
15	5.8 6.0	5.9 5.95
16	~~5.5~~ 6.2 6.4	6.1 6.25
17	6.5 6.7	6.8 6.75
18	6.9 7.1	~~7.1~~ 7.10
19		7.5
20		7.8
21	~~7.9~~	7.9
22		8.1
23		8.2
24		8.5
25		8.6
26		F
27		F
28		F
5p	5.5 5.7	5.5 5.60
6p	5.9 6.1	5.8 5.95

	Sc. 1	Sc. 2
2n	2.2	B 2.4
3n	2.8	B 3.0
4n	3.5	B 3.7
5n	3.9 4.1	4.5 4.30
6n	4.9 5.1	5.1 5.10
7n	5.5 5.7	5.5 5.60
8n	5.9 6.1	6.1 6.10
9n	6.5 6.7	6.9 6.80
10n	7.1	Sc. 2
11n	7.3	
12n	~~7.9~~ 7.5	

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

1915phae.proj.1019L

Wed. Nov. 10, 1915

Scale MC 4321

	Sc. 1	Sc. 2			Sc. 1	Sc. 2	
5	B			2n	1.8		2.0
6	1.1	1.3		3n	2.9	B	3.1
7	1.3	1.5		4n	2.9	B	3.1
8	2.1	2.3		5n	3.9 4.1	4.3	4.20
9	2.9	3.1		6n	4.5 4.7	5.1	4.90
10	2.9	B 3.1		7n	5.1 5.3	5.5	5.40
11	3.5	B 3.7		8n	5.9 6.1	6.1	6.10
12	3.9 4.1	4.1 4.10		9n	6.8 7.0	6.8	6.90
13	3.8 4.0	4.9 4.45		10n		7.5	
14	5.1 5.3	5.5 5.40		11n		8.1	
15	5.5 5.7	5.9 5.80		12n		8.5	
16	6.2 6.4	6.1 6.25					
17	6.5 6.7	6.9 6.80					
18	6.9 7.1	7.1 7.10					
19		7.1					
20		7.8					
21		8.1					
22		8.5					
23		8.5					
24		8.5					
25		8.9					
26		F					
27		F					12.50
28		F					
5n	5.5 5.7	5.5 5.60					
6n	5.9 6.1	5.9 6.00					

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

1915phae.proj.1019L

11.25 Thursday Nov. 11, 1915

Corr. for Dist. Cent.

Scale m MC. 4320

	Sc.1	Sc.2		Sc.1	Sc.2
5.	B		2n	1.9	2.1
6.	1.1	1.3	3n	2.9	B 3.1
7.	1.5	1.7	4n	2.9	B 3.1
8.	2.5	2.7	5n	4.5 4.7	4 1 4.40
9.	2.9	B 3.1	6n	4.8 5.0	4.9 4.95
10.	3.1	B 3.3	7n	5.2 5.4	5.5 5.45
11.	3.5	B 3.7	8n	5.8 6.0	5.8 5.90
12.	4.1 4.3	4.5 4.40	9n	6.8 7.0	6.9 6.95
13.	4.8 5.0	5.1 5.05	10n		7.5
14.	5.1 5.3	5.5 5.40	11n		8.1
15.	5.8 6.0	5.9 5.95	12n		8.5
16.	6.1 6.3	6.1 6.20			
17.	6.5 6.7	6.5 6.60			
18.	6.9 7.1	6.9 7.00			
19.		7.2			
20.		7.9			
21.		8.2			
22.		8.5			
23.		8.3			
24		8.8			
25.		8.9			
26.		F			
27.		F			12.00
28		F			
5b	5.5 5.7	5.5 5.60			
6b	5.9 6.1	5.8 5.95			

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

1915phae.proj.1019L

11.35 Friday Nov. 12, 1915

Scale m	mc. 4320 Sc.1	Sc.2	Scale m	4321 Sc.1	Sc.2
5	B		5	B	
6	1.1	1.3	6	1.1	1.3
7	1.5	1.7	7	1.5	1.7
8	2.5	2.7	8	2.5	2.7
9	2.8	3.0	9	2.9	3.1
10	2.9	B 3.1	10	2.9	3.1
11	3.5	B 3.7	11	3.9	B 4.1
12	4.1 4.3	4.1 4.20	12	3.8 4.0	4.1 4.05
13	4.5 4.7	5.1 4.90	13	4.8 5.0	5.1 5.05
14	5.1 5.3	5.3 5.30	14	5.1 5.3	5.5 5.40
15	5.8 6.0	5.8 5.90	15	5.5 5.7	5.9 5.80
16	6.2 6.4	6.5 6.45	16	6.2 6.4	6.5 6.45
17	6.5 6.7	6.5 6.60	17	6.5 6.7	6.5 6.60
18	6.9 7.1	6.9 7.00	18	6.9 7.1	7.1 7.10
19		7.5	19		7.5
20		7.8	20		7.5 ~~7.2~~
21		8.3	21		8.1
22		8.2	22		8.5
23		8.4	23		8.5
24		8.8	24		8.8
25		8.9	25		8.9
26		9.5	26		9.5 ~~9.6~~
27		9.8	27		9.8
28		F	28		F

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

1915phae.proj.1019L

Friday. Nov. 12, 1915

Corr. for Dist. Cent.

Scale m.	mc. 4322 Sc. 1	Sc. 2	Scale m	mc 4323 Sc. 1	Sc. 2
5	B		5	B	
6	1.1	1.3	6	1.1	1.3
7	1.5	1.7	7.		
8	2.1	2.3	8.	2.1	2.3
9	2.9	3.1	9.	2.9	3.1
10	3.2	B 3.9	10	3.1	B 3.3
11	3.8 4.0	4.1 4.05	11	3.9	B 4.1
12	3.9 4.1	4.5 4.30	12.	4.1 4.3	4.5 4.40
13	4.9 5.1	5.1 5.10	13.	4.1 4.3	4.9 4.60
14	5.1 5.3	5.5 5.40	14.	4.9 5.1	5.2 5.10
15	5.8 6.0	5.8 5.90	15.	5.5 5.7	5.9 5.80
16	6.1 6.3	6.1 6.20	16.	6.1 6.3	6.1 6.20
17	6.5 6.7	6.5 6.60	17.	6.5 6.7	6.5 6.60
18	6.9 7.1	6.9 7.00	18.	6.9 7.1	6.9 7.00
19		7.5	19		7.2
20		7.5	20		7.5
21		7.9	21		7.9
22		8.1	22.		8.1
23		8.5	23.		8.5
24		8.7	24		8.8
25	~~8~~	8.9	25.		8.8
26		9.5	26		9.1
27		9.8	27.		9.8
28		F	28		F

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

1915phae.proj.1019L

Friday Nov. 12, 1915

Cor. for Dist. Cont.

Scale m	MC 4323 Sc. 1		Sc 2		Scale m	MC 4324 Sc. 1		Sc. 2		
5.	B				5	B				
6	1.1		1.3		6.	1.1		1.3		
7.					7.					
8.	2.1		2.3		8.	1.9		2.1		
9.	2.9		3.1		9.	2.5		2.7		
10.	2.9	B	3.1		10.	2.9	B	3.1		
11.	3.8	B	4.0		11.	3.5	B	3.7		
12.	4.1	4.3	4.1	4.20	12.	3.9	4.1	4.1	4.10	
13.	4.5	4.7	4.9	4.80	13.	4.5	4.7	4.8	4.75	
14.	5.1	5.3	5.1	5.20	14.	4.9	5.1	5.5	5.30	
15.	5.5	5.7	5.8	5.75	15.	5.5	5.7	5.5	5.60	
16.	5.9	6.1	6.1	6.10	16.	5.8	6.0	6.1	6.05	
17.	6.5	6.7	6.5	6.60	17.	6.5	6.7	6.5	6.60	
18	6.9	7.1	6.9	7.00	18.	6.9	7.1	6.9	7.00	
19.			7.1		19.			7.5		
20.			7.9		20.			7.5		
21.			8.1		21.			7.9		
22			8.2		22.			8.1		
23			8.5		23			8.1		
24			8.5		24.			8.5		
25			8.8		25.			8.8		
26.			9.2		26.			9.1		
27			9.5		27			9.5		1.10
28.			F		28			F		

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

1915phae.proj.1019L

11.15

Saturday Nov. 13, 1915

Prismatic Companions

Cor for Dist. Cent.

Scale m

	MC 4324				MC 4323			
	Sc. 1		Sc. 2		Sc. 1		Sc. 2	
5	4.5	4.7	4.5	4.60	4.5	4.7	5.1	4.90
6.	5.8	6.0	5.5	5.75	5.5	5.9	5.5	5.60
7.								
8.	6.8	7.0	7.1	7.05	6.8	7.1	6.9	7.0
9.			7.5	7.50			7.5	
10.	~~7.9~~		7.9		~~7.~~		7.8	
11.			8.5				8.5	
12			8.9				8.8	
13			9.5				9.5	
14			9.8				9.5	
15			9.9				9.9	
16			F					

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

1915phae.proj.1019L

Saturday, Nov. 13, 1915

Scale m	MC 4322				MC. 4321			
	Sc. 1		Sc 2		Sc. 1		Sc 2	
5.	4.9	5.1	5.5	5.30	5. 5.1	5.3	5.1	5.20
6.	5.9	6.1	5.9	6.0	6. 5.9	6.1	5.9	6.00
7.	6.1	6.3	6.1	6.2	7. 6.1	6.3	6.1	6.20
8.	6.8	7.0	6.9	6.95	8. 6.9	7.1	7.1	7.10
9.			7.5		9.		7.8	
10.			7.9		10.		8.1	
11.			8.5		11.		8.5	
12.			9.1		12.		8.9	
13			9.3		13		9.5	
14.			9.5		14.		9.5	
15			F		15			

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

1915phae.proj.1019L

Saturday Nov. 13, 1915

Scale m	mc 4320		Scale m	mc 4325	Dist. cut.
	Sc. 1	Sc. 2		Sc. 1	Sc. 2
5.	4.9 5.1	5.1 5.10	5.	4.9 5.1	5.1 5.10
6.	5.9 6.1	5.8 5.85	6.	6.8 6.0	6.9 6.45
7.	6.1 6.3	6.1 6.20	7.		
8.		7.1	8.	6.9 7.1	7.1 7.10
9.		7.9	9.		7.9
10.		8.1	10.		7.9
11.		8.8	11.		8.1
12.		8.8	12.		8.5
13.		9.3	13.		9.1
14.		9.9	14.		9.9
15			15		

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

1915phae.proj.1019L

Saturday Sat. Mar 13, 1915

Scale m	mc. 4331				mc. 4326		
	Sc. 1	Sc2			Sc. 1	Sc2	
5.	5.1 5.3	5.5	5.40	5.	5.1 5.3	5.1	5.20
6.	5.9 6.1	5.9 6.1	6.00	6.			
7.	6.1 6.3	6.1	6.20	7.			
8.		7.1		8.	6.9 7.1	6.9	7.00
9.		7.9		9.		7.9	
10.		8.1		10.			
11.		8.5		11.			
12.		9.1		12.			
13.		9.5		13.			
14.		9.9		14.			
15				15			

12.15

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

1915phae.proj.1019L

Monday Nov. 15, 1915

S Ursae Majoris

~~AC 5834 9.7~~

AC 4321 < 11.4

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

1915phae.proj.1019L

11.15 Friday, Nov. 19, 1915 These measures not to be used.
Series 552

Date m MC 9345

	Sc.1	Sc.2	Pc. Sc.1	Pc. Sc.2
5.			5.1	5.5
6.			5.9	5.5 ~~7~~
7.			6.1	6.1
8.			6.9	7.1 ~~6.9~~
9.				7.5
10.	3.5	B		
11.	3.7	B		
12.	3.9	4.1		
13.	4.5	4.9		
14.	5.1	5.5		
15.	5.8	5.8		
16	5.8	5.8		
17.	6.2	6.5		
18.	6.9	6.9		
19.		7.5		
20		7.8		
23		8.1		
25		8.5		
26.		8.5		
27.		9.1		
28.		9.1		

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

1915phae.proj.1019L

Friday, Nov. 19, 1915
Series 552

Not to be used

Scale m Plate Mc 9344 C 12

	Sc.1	Sc.2	P.C. Sc.1	P.C. Sc.2
1.			4.9	5.1
2.			5.5	5.5
3.			5.9	6.1
4.			6.5	6.5
5.			6.5	6.5
6.			6.9	7.1
7.				7.1
8.			7	7.5
9.				7.8
10.				7.5
11.	3.1	B		
12.	3.5	13		
13.	3.8	B		
14	3.9	4.1		
15	4.1	4.5		
16	4.5	4.8		
17.	5.1	5.1		
18.	5.8	5.9		
19.	5.9	6.1		
20	6.5	6.8		
21	6.9	6.9		
22		7.5		
23		7.7		
24		7.9		
25		7.8		
26		7.9		
27		8.1		
		8.5		
		7.5		

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

1915phae.proj.1019L

Friday Nov. 19, 1915
Series 552

Not to be used

Scale m Mc 9343 N.G.C.

	Sc.1	Sc.2	PC Sc.1	PC Sc.2
1.	~~3.9~~		6.5	6.8
2.			6.8	6.9
3.	3.1			
4.	3.5			
5.	3.9	4.1		
6.	4.5	5.1		
7.	5.1	5.5		
8.	5.1	5.5		
9.	5.8	5.8		
11.	5.9	6.1		
11.	6.1	6.8		
12	6.9	7.1		
13		7.1 8.1		
14.		~~8.5~~		
15		8.8		

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

1915phae.proj.1019L

Friday, Nov. 19, 1915
Series 552

not to be used

Scale m Mc. 9342 B9

	Sc.1	Sc.2	Pc Sc.1	Pc Sc.2
1.			5.1	5.1
2.			5.8	5.9
3			5.5	5.8
4.			6.1	5.9
5.			6.5	6.5
6.			6.5	6.5
7.			6.8	6.8
8.			6.9	7.1
9.			6.9	7.1
10.			~~7.1~~	7.1
11.				
12.			~~7~~	7.8
13.	3.1	B		
14.	3.9	B		
15.	3.8	B		
16.	3.8	B		
17.	~~3.9~~ 4.1	4.5		
18.	4.1	4.8		
19.	4.5	~~4.5~~ 5.1		
20.	4.5	4.9		
21.	5.5	5.5		
22	5.5	5.8		
23	6.1	6.1		
24	6.8	6.8		
25	6.8	6.8		
26	6.9	7.1		
27.		7.1		
28		7.1		

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

1915phae.proj.1019L

Friday Nov. 19, 1915

Not to be used

Scale m	mc. 9342 (cont.)
29	7.9
30	7.9
31	8.5
32	8.5
33	8.8
34	9.1
35	9.5
36	9.9
37	F
38	F

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

1915phae.proj.1019L

Friday, Nov. 19, 1915
Series 552

Mk to be used

Scale m

MC 9341

	Sc. 1	Sc. 2	P.C. Sc. 1	P.C. Sc. 2
1.			5.8	6.1 ~~8.1~~ ~~9.1~~
2.	3.1	B		
3	3.5	B		~~8.1~~
4	3.8	4.1		
5	3.9	4.1		~~9.1~~
6.	4.1	4.9		
7.	4.9	5.1		
8.	5.9	6.1		
9.	6.1	6.1		
10.	6.8	6.8		
11	6.9	7.1		
12		7.5		
13.		7.8		
14.		7.9		
15.		8.1		
16.		8.5		
17.		8.9		
18.		9.1		
19		9.5		
20		9.9		

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

1915phae.proj.1019L

Friday, Nov. 19, 1915

Series 552

Not to be used

Scale m	mc 9340		P.C	
	Sc. 1	Sc 2	Sc. 1	Sc 2
5.			4.8 ~~6.9~~	4.9
6.			5.5	5.8
7.			5.9	6.1
8.			6.8	7.1
9.				7.5
10.	3.1	B		
11.	3.5	B		
12	3.9	4.1		
13	4.1	4.1		
14.	4.5	5.1		
15	5.5	5.8		
16.	5.8	6.1		
17.	6.5	6.1		
18.	6.8	6.9		
19	6.9	7.5		
20		7.5		
~~21~~				
~~22~~				
23		8.1		
~~24~~				
25.		8.5		
26.		9.1		
27.		9.5		1.55
28		F		

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

1915phae.proj.1019L

Saturday Nov. 20, 1915

10.25

S Ursae Majoris

AC	5560	~~11.9~~ 11.5
	5417	<9.9
	5584	<11.0
	5459	<11.0
	5508	<11.0
	5571	11.5
Reversed Plate	~~55~~08	<11.0
	5459	<11.0
	5571	11.5
	5584	<11.0
	5417	<9.9
	5560	11.7

10.40

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

1915phae.proj.1019L

Monday Nov. 22, 1915

11.55

Scale m mc 4972 (Pleiades) Yellno

	Sc.1	Sc.2		Sc.1	P.C	Sc.2
1.	B			2.9		3.1
2.	B			3.1		3.3
3.	B			3.5		3.7
4.	B			3.5		3.7
5.	B			3.8		4.0 4.1
6.	B			4.1		4.3 ~~B~~ 4.1
7.	B			4.9		5.1 5.1
8.	B			4.9		5.1 5.2
9.	B			5.5		5.7 5.8
10.	1.1	1.3		6.1		6.3 6.1
11.	1.3	1.5		6.8		7.0 6.9
12	1.1	1.3				7.1
13	1.5	1.7				7.1
14	1.9	2.1				7.5
15.	1.9	2.1				7.5
16	1.9	2.1		7.5 →		
17	2.8	3.0				7.9
18.	3.5	3.7 B				8.1 ~~7.5~~
19.	3.5	3.7 B				8.5
20	3.5	3.7 B		8.5 →		
21	3.8	4.0 B				
22	3.8	4.0 B				8.9
23	~~4.1 4.5~~	4.3 4.1				9.5
24	4.1	4.3 B				9.5
25	4.8	5.0 4.5				9.5
26	3.9	4.1 B				9.1
27	5.5	5.7 5.5				9.8
28	5.9	6.1 5.8				
29	4.8	5.0 4.9				9.5

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

1915phae.proj.1019L

Monday Nov. 22, 1915

Salem MC. 4972 cont

	Sc.1		Sc.2	
30	6.1	6.3	6.1	
31			7.1	
32			8.1	
33			9.5	
34			9.5	
35			9.9	
29a	5.5	5.7	5.8	
32a	6.5 ~~5.8~~	6.7	7.1	
34a			9.9	

1.00

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

1915phae.proj.1019L

Tuesday Nov. 23, 1915

1.00 U Sagittae (comparison Stars marked on MC 3928 + AC 7680

AI 9962	B 2 V	6.24	6.22	02	02	aI 3905	b 2 V	6.50	6.44	06	06
	V 1 b	6.20					V 2 b'	6.38			
AI 4088	b 1 V	6.40	6.39	01	01	aI 3902	b 2 V	6.50	6.49	01	01
	V 2 b'	6.38					V 1 b'	6.48			
AI 9973	b 2 V	6.50	6.44	06	06	aI 3759	b 3 V	6.60	6.54	06	06
	V 2 b'	6.38					V 1 b'	6.48			
AI 4059	Too poor					aI 3851	b 2 V	6.50	6.44	06	06
AI 9192	b 2 V	6.50	6.44	06	06		V 2 b'	6.38			
	V 2 b'	6.38				aI 8677	Too poor				
aI 3968	b 2 V	6.50	6.44	06	06	aI 4108	B 2 V	6.24	6.22	02	02
	V 2 b'	6.38					V 1 b	6.20			
aI 4155	Too poor					aI 4009	Too poor				
aI 3827	Too poor										
aI 3963	b 1 V	6.40	6.34	06	06						
AI	V 3 b'	6.28									
aI 4138	b 2 V	6.50	6.44	06	06						
	V 2 b'	6.38									
aI 3796	~~B 2 V~~ B 2 V	6.24	6.22	02	02						
	~~V 2 b~~ V 1 b	6.20									
aI 3928	b 2 V	6.50		06	06						
	V 2 b'	6.38	6.44								
aI 4025	b 2 V	6.50	6.49	01	01						
	V 1 b'	6.48									
aI 9967	a^2 2 V	7.70	7.66	04	04						
	V 3 g	7.62									
aI 4177	Too poor										
aI 3885	B 2 V	6.24	6.17	07	07						
	V 2 b	6.10									

2.15

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

1915phae.proj.1019L

11.30

Wednesday Nov. 24

U Sagittae

aI 7063	b'1V	6.68	6.60	08	09	aI 5864	B2V	6.24	6.22	02	02
	V2b^2	6.51					V1b	6.20			
aI 7916	b'2V	678	6.70	08	09	aI 7819	b1V	640	6.44	04	04
aI 7916	V1b^2	661					V3b^2	648			
aI 7024	b2V	6.50	6.44	06	06	aI 5756	too poor				
	V2b'	638				aI 7911	B2V	6.24	6.22	02	02
aI 7882	B2V	6.24	6.22	02	02		V1b	6.20			
	V1b	6.20				aI 7011	b2V	650	6.44	06	06
aI 6904	b2V	6.50	6.44	06	06		V2b'	638			
	V2b'	638				aI 7769	too poor				
aI 5914	b1V	6.40	6.34	06	06	aI 7958	b1V	640	6.34	06	06
	V3b'	628					V3b^2	6.28			
aI 7860	b1V	640	6.39	01	01	aI 5434	B2V	6.24	6.22	02	02
	V2b'	638					V1b	6.20			
aI 6918	b2V	6.50	6.44	06	06	aI 6954	b2V	650	6.49	01	01
	V2b'	638					V1b'	648			
aI 7837	b^{2}2V	691	686	05	06	aI 7903	too poor				
	V1a	680				aI 5926	b1V	6.40	6.34	06	06
aI 6957	b'1V	668	6.54	14	13		V3b'	628			
	V3b^2	641				aI 6962	b1V	640	6.39	01	01
aI 7833	b'2V	678	6.64	14	13		V2b'	638			
	V2b^2	651				aI 7124	b2V	6.50	6.44	06	06
aI 5885	a'1V	733	7.36	03	04		V2b'	638			
	V1a^2	740				aI 5408	b'1V	668	6.54	14	13
aI 7044	b3V	6.60	6.54	06	06		V3b^2	641			
	V1b'	648				aI 6889	b1V	640	6.34	06	06
aI 7869	B2V	6.24	6.22	02	02		V3b'	628			
	V1b	620									

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

1915phae.proj.1019L

Wednesday. Nov. 24
U Sagittae

aI	7092	b2v	6.50	6.49	01	01
		v1b'	6.48			
	7963	b2v	6.50	6.49	01	01
aI	7963	v1b'	6.48			
aI	5179	b2v	6.50	6.49	01	01
		v1b'	6.48			
aI	5857	b1v	6.40	6.39	01	01
		v2b'	6.38			
aI	7088	b2v	6.50	6.49	01	01
		v1b'	6.48			
aI	5908	too poor				
aI	5155	b1v	6.40	6.39	01	01
		v2b'	6.38			
aI	7089	b2v	6.50	6.49	01	01
		v1b'	6.48			
aI	5132	b1v	6.40	6.39	01	01
		v2b'	6.38			
aI	5901	b1v	6.40	6.39	01	01
		v2b'	6.38			

12.55

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

1915phae.proj.1019L

11.50

Friday. Nov. 26

U Sagittae

aI 3872	V < h	< 9.16		aI 5397	b 2 V	6.50	6.49	01	01
aI 4435	b 1 V	6.40	6.39	01	01	V 1 b'	6.48		
	V 2 b'	6.38		aI 4262	b 1 V	6.40	6.39	01	01
aI 3467	B 2 V	6.24	6.22	02	02	V 2 b'	6.38		
	V 1 b	6.20		aI 5366	b' 2 V	6.78	6.69	09	08
aI 3538	b 1 V	6.40	6.44	04	04	V 1 b^2	6.61		
	V 1 b'	6.48		aI 3602	b 2 V	6.50	6.44	06	06
aI 4592	V < h^2	< 9.80			V 2 b'	6.38			
aI 7939	Too poor			aI 4263	b 2 V	6.50	6.49	01	01
aI 4046	Too poor ~~V < a~~				V 1 b'	6.48			
aI 3923	~~Too poor~~ b 1 V	6.40	6.39	01	01	aI 5277	B 2 V	6.24	6.22	02	02
	V 2 b'	6.38				V 1 b	6.20		
aI 4380	b 1 V	6.40	6.39	01	01	aI 5114	b' 2 V	6.68	6.60	08	09
	V 2 b'	6.38				V 2 b^2	6.51		
aI 4427	b 2 V	6.50	6.49	01	01	aI 3552	h' 1 V	9.73	9.66	07	06
	V 1 b'	6.48				V 2 h^2	9.60		
aI 4946	b 2 V	6.50	6.49	01	01	aI 4221	Too Poor				
	V 1 b'	6.48		aI 5264	B 2 V	6.24	6.22	02	02
aI 4344	b 1 V	6.40	6.39	01	01	V 1 b	6.20		
	V 2 b'	6.38		aI 5007	b 2 V	6.50	6.49	01	01
aI 5024	b 2 V	6.50	6.44	06	06	V 1 b'	6.48		
	V 2 b'	6.38		aI 5542	a^2 2 V	7.70	7.71	01	01
aI 4895	a 2 V	7.40	7.42	02	01	V 2 G	7.72		
	V 1 a'	7.13		aI 5119	b 1 V	6.40	6.39	01	01
aI 3617	b 2 V	6.50	6.49	01	01	V 2 b'	6.38		
	V 1 b'	6.48		aI 5311	b 2 V	6.50	6.44	06	06
aI 4289	b 2 V	6.50	6.49	01	01	V 2 b'	6.38		
	V 1 b'	6.48		aI 5124	b 1 V	6.40	6.39	01	01
					V 2 b'	6.38			

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

1915phae.proj.1019L

Friday, Nov. 26

aI	5257	b2V	650	6.49	01	01
		V1b'	6.48			
aI	3488	B2V	6.24	6.17	07	07
		V2b	6.10			
aI	4405	b2V	650	6.49	01	01
		V1b'	6.48			
aI	5144	B2V	6.24	6.22	02	02
		V1b	6.20			
aI	5230	B2V	6.24	6.22	02	02
		V1b	6.20			
aI	5087	Too poor				
aI	2933	b2V	6.50	6.49	01	01
		V1b'	6.48			
aI	5209	V<h		9.26?		
		h=0.1				
aI	3627	b2V	6.50	6.49	01	01
		V1b'	6.48			
aI	4537	b2V	6.50	6.49	01	01
		V1b'	6.48			
aI	5074	b2V	6.50	6.44	06	06
		V2b'	6.38			
aI	3675	B2V	6.24	6.22	02	02
a		V1b	6.20			
aI	4541	b2V	6.50	6.49	01	01
		V1b'	6.48			
aI	5189	b1V	6.40	6.44	04	04
		V1b'	6.48			
aI	2910	b1V	6.40	6.39	01	01
		V2b'	6.38			

1.15

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

1915phae.proj.1019L

Saturday, Nov. 27

10.50

U Sagittae

aI 2945	b 2 V	6.40	6.44	04	04	aI 5026	b 2 V	6.50	6.49	01	01
	V 2 b'	6.48					V 1 b'	6.48			
aI 2957	b 2 V	6.50	6.49	01	01	aI 5052	b 2 V	6.50	6.49	01	01
	V 1 b'	6.48					V 1 b'	6.48			
aI 3002	b 2 V	6.50	6.44	06	06	aI 5930	too poor				
	V 2 b'	6.38				aI 5950	b 1 V	6.40	6.39	01	01
aI 3088	b 2 V	6.50	6.49	01	01		V 2 b'	6.38			
	V 1 b'	6.48				aI 5954	b 2 V	6.50	6.49	01	01
aI 3121	b 1 V	6.40	6.44	04	04		V 1 b'	6.48			
	V 1 b'	6.48				aI 5968	b 1 V	6.40	6.39	01	01
aI 3173	b 2 V	6.50	6.49	01	01		V 2 b'	6.38			
	V 1 b'	6.48				aI 5981	b 2 V	6.50	6.49	01	01
aI 3351	b 2 V	6.50	6.44	06	06		V 1 b'	6.48			
	V 2 b'	6.38				aI 5997	b 1 V	6.40	6.39	01	01
aI 3385	b 1 V	6.40	6.39	01	01		V 2 b'	6.38			
	V 2 b'	6.38				aI 6012	b 2 V	6.50	6.49	01	01
aI 3445	b 1 V	6.40	6.39	01	01		V 1 b'	6.48			
	V 2 b'	6.38				aI 6024	b 1 V	6.40	6.39	01	01
aI 3686	b 2 V	6.50	6.44	06	06		V 2 b'	6.38			
	V 2 b'	6.38				aI 6032	b 2 V	6.50	6.49	01	01
aI 3713	b 2 V	6.50	6.49	01	01		V 1 b'	6.48			
	V 2 b'	6.48				aI 6037	too poor				
aI 3739	b 1 V	6.40	6.44	04	04	aI 6053	b 1 V	6.40	6.39	01	01
	V 1 b'	6.48					V 2 b'	6.38			
aI 4438	too poor					aI 6057	b 2 V	6.50	6.44 6.39	06	06
aI 4574	b' 2 V	678	6.70	08	09		V 2 b'	6.38			
	V 1 b^2	6.61				aI 6069	b 1 V	6.40	6.39	01	01
aI 4592	too poor						V 2 b'	6.38			
aI 4810	too poor										

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

1915phae.proj.1019L

Saturday Nov. 27

U Sagittae

aI 6075	b2V	6.50	6.49	01	01	aI 7196	< h'		< 9.16		
	V1b'	6.48					h = 0.0				
aI 6103	b1V	6.40	6.44	04	04	aI 7221	b'1V	6.68	6.64	04	03
	V1b'	6.48					V b'2	6.61			
aI 6109	b2V	6.50	6.49	01	01	aI 7248	B2V	6.24	6.22	02	02
	V1b'	6.48					V1b	6.20			
aI 6150	b2V	6.50	6.44	06	06	aI 7268	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 6161	b2V	6.50	6.49	01	01	aI 7300	b2V	6.50	6.49	01	01
	V1b'	6.48					V1b'	6.48			
aI 6183	b1V	6.40	6.39	01	01	aI 7357	b2V	6.50	6.49	01	01
	V2b'	6.38					V1b'	6.48			
aI 6191	b1V	6.40	6.39	01	01	aI 7575	b2V	6.50	6.49	01	01
	V2b'	6.38					V1b'	6.48			
aI 6813	b2V	6.50	6.44	06	06	aI 7691	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 6829	b'2V	6.78	6.70	08	09	aI 7698	l1V	8.54	8.62	08	08
	V1b'?	6.61					V2k	8.70			
aI 6858	b1V	6.40	6.39	01	01	aI 7754	k1V	9.00	8.98	02	02
	V2b'	6.38					V2h	8.96			
aI 6875	B2V	6.24	6.22	02	02	aI 10093	b1V	6.40	6.44	04	04
	V1b	6.20					V2b'	6.48			
aI 6774 Too poor.						aI 10116	b2V	6.50	6.49	01	01
aI 7133	b2V	6.50	6.49	01	01		V1b'	6.48	12.25		
	V1b'	6.48				aI 10133	b2V	6.50	6.49	01	01
aI 7152	a'3V	7.53	7.46	07	06		V1b'	6.48			
	V1a2	7.40				aI 10163	b2V	6.50	6.49	01	01
aI 7162	b1V	6.40	6.39	01	01		V1b'	6.48			
	V2b'	6.38									

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

1915phae.proj.1019L

9.50

Tuesday, Nov. 30, 1915

U Sagittae

aI 10063	b1V	6.40	6.39	01 01	aI 9178	a'1V	7.33	7.32	01 02
	V2b'	6.38				V2a²	7.30		
aI 10073	b2V	6.50	6.49	01 01	aI 9200	b1V	640	6.39	01 01
	V1b'	6.48				V2b'	6.38		
aI 9055	b2V	6.50	6.49	01 01	aI 9207	Too poor			
	V1b'	6.48			aI 9213	b1V	6.40	6.39	01 01
aI 9067	b1V	6.40	6.44	04 04		V2b'	6.38		
	V1b'	6.48			aI 9224	b2V	6.50	6.49	01 01
aI 9072	b²1V	6.91	6.80	11 10		V1b'	6.48		
	V2a	6.70			aI 9238	b2V	6.50	6.49	01 01
aI 9082	b2V	6.50	6.49	01 01		V1b'	6.48		
	V1b'	6.48			aI 9246	b1V	6.40	6.39	01 01
aI 9102	B2V	6.24	6.22	02 02		V2b'	6.38		
	V1b	6.20			aI 9280	b2V	6.50	6.49	01 01
aI 9116	B2V	6.24	6.22	02 02		V1b'	6.48		
	V1b	6.20			aI 9304	b2V	6.50	6.49	01 01
aI 9126	b1V	6.40	6.39	01 01		V1b'	6.48		
	V2b'	6.38			aI 9315	b²2V	6.91	6.86	05 06
aI 9136	b2V	6.50	6.49	01 01		V1a	6.80		
	V1b'	6.48			aI 9324	B3V	6.34	6.27	07 07
aI 9148	b1V	6.40	6.44	04 04		V1b	6.20		
	V1b'	6.48			aI 9357	b2V	6.50	6.49	01 01
aI 9154	b2V	6.50	6.44	06 06		V1b'	6.48		
	V2b'	6.38			aI 9445	b2V	6.50	6.49	01 01
aI 9157	b1V	6.40	6.39	01 01		V1b'	6.48		
	V2b'	6.38			aI 9899	b2V	6.50	6.49	01 01
aI 9171	b1V	6.40	6.39	01 01		V1b'	6.48		
	V2b'	6.38			aI 9707	b2V	6.50	6.49	01 01
						V1b'	6.48		

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

1915phae.proj.1019L

Tuesday, Nov. 30, 1915

U Sagittae

aI 9779	b1V	6.40	6.39	01	01	aI 10009	b2V	6.91	6.86	05	06
	V2b'	6.38					V1a	6.80			
aI 9811	b2V	6.50	6.49	01	01	aI 10020	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 9920	b2V	6.50	6.44	06	06	aI 10035	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 9925	b1V	6.40	6.39	01	01	aI 10054	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 9926	b1V	6.40	6.39	01	01	aI 7966 too poor					
	V2b'	6.38				aI 7999	b1V	6.40	6.39	01	01
aI 9932	b2V	6.50	6.49	01	01		V2b'	6.38			
	V1b'	6.48				aI 8010	b1V	6.40	6.39	01	01
aI 9938	b2V	6.50	6.44	06	06		V2b'	6.38			
	V2b'	6.38				aI 8021 too poor					
aI 9950	b2V	6.50	6.49	01	01	aI 8045	b2V	6.50	6.49	01	01
	V1b'	6.48					V1b'	6.48			
aI 9952	b1V	6.40	6.39	01	01	aI 8051	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 9954	a'1V	7.33	7.32	01	02	aI 8071	b1V	6.40	6.39	01	01
	V2a^2	7.30					V2b'	6.38			
aI 9978	b1V	6.40	6.39	01	01	aI 8081	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 9982	b1V	6.40	6.39	01	01	aI 8106 too poor					
	V2b'	6.38				aI 8113	b2V	6.50	6.49	01	01
aI 9988	b2V	6.50	6.49	01	01		V1b'	6.48			
	V1b'	6.48				aI 8128	b2V	6.50	6.49	01	01
aI 10004	b2V	6.50	6.44	06	06		V1b'	6.48			
	V2b'	6.38				aI 8136	b1V	6.40	6.39	01	01
							V2b'	6.38			

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

1915phae.proj.1019L

Tuesday, Nov. 30, 1915

u Sagittae

aI 8146	$a^2$2V	7.70	7.76	06	06	aI 8683	V < 0		1019
	V1g	7.82					O = 0.0		
aI 8155	b2V	6.50	6.49	01	01	aI 8741	b2V	6.50	6.49	01	01
	V1b'	6.48					V1b'	6.48			
aI 8161	B2V	6.24	6.22	02	02	aI 8778	B2V	6.24	6.22	02	02
	V1b	6.20					V1b	6.20			
aI 8178	b1V	6.40	6.39	01	01	aI 8829	too near the edge				
	V2b'	6.38				aI 8802	$b^2$2V	6.91	6.86	05	06
aI 8186	B2V	6.24	6.22	02	02		V1a	6.80			
	V1b	6.20				aI 8859	b2V	6.50	6.49	01	01
aI 8215	b1V	6.40	6.39	01	01		V1b'	6.48			
aI 8215	V2b'	6.38				aI 8872	b1V	6.40	6.39	01	01
aI 8242	b2V	6.50	6.49	01	01		V2b'	6.38			
	V1b'	6.48				aI 8905	b1V	6.40	6.39	01	01
aI 8251	b2V	6.50	6.49	01	01		V2b'	6.38			
	V1b'	6.48				aI 8988	V < a^2		7.70		
aI 8270	b1V	6.40	6.39	01	01		a^2 = 0.2				
	V2b'	6.38				aI 9011	b1V	6.40	6.39	01	01
aI 8301	b2V	650	6.49	01	01		V2b'	6.38			
	V1b'	6.48				aI 9017	a' 2V	7.43	7.36	07	06
aI 8306	b1V	6.40	6.39	01	01		V2a^2	7.30			
	V2b'	6.38				aI 9023	b1V	6.40	6.39	01	01
aI 8312	b2V	6.50	6.44	06	06		V2b'	6.38			
	V2b'	6.38				aI 9039	B2V	6.24	6.22	02	02
aI 8338	b2V	6.50	6.49	01	01		V1b	6.20			
	V2b'	6.48				aI 9045	V < K		< 8.90		
aI 8502 too poor							K = 0.0		11.35		
aI 8682 too near the edge											

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

1915phae.proj.1019L

11.20

Wednesday, Dec. 1

U Sagittae

aI 183	too poor				aI 731	b 2 V	6.50	6.49	01 01
aI 221	b 1 V	6.40	6.39	01 01		V 1 b'	6.48		
	V 2 b'	6.38			aI 834	b 2 V	6.50	6.49	01 01
aI 232	B 2 V	6.24	6.22	02 02		V 1 b'	6.48		
	V 1 b	6.20			aI 878	b 2 V	6.50	6.49	01 01
aI 263	b 2 V	6.50	6.44	06 06		V 1 b'	6.48		
	V 2 b'	6.38			aI 930	too poor			
aI 275	b 1 V	6.40	6.39	01 01	aI 978	b 1 V	6.40	6.39	01 01
	V 2 b'	6.38				V 2 b'	6.38		
aI 297	b 2 V	6.50	6.49	01 01	aI 1365	b' 1 V	6.68	6.64	04 03
	V 1 b'	6.48				V 1 b^2	6.61		
					aI 1385	b 2 V	6.50	6.49	01 01
aI 323	b 2 V	6.50	6.49	01 01		V 1 b'	6.48		
	V 1 b'	6.48			aI 1029	b 2 V	6.50	6.49	01 01
aI 325	b 2 V	6.50	6.44	06 06		V 1 b'	6.48		
	V 2 b'	6.38			aI 1043	b 2 V	6.50	6.49	01 01
aI 345	b 2 V	6.50	6.49	01 01		V 1 b'	6.48		
	V 1 b'	6.48			aI 1066	b 2 V	6.50	6.49	01 01
aI 336	b 2 V	6.50	6.49	01 01		V 1 b'	6.48		
	V 1 b'	6.48			aI 1083	b 1 V	6.40	6.39	01 01
aI 376	b 2 V	6.50	6.49	01 01		V 2 b'	6.38		
	V 1 b'	6.48			aI 1096	B 2 V	6.24	6.22	02 02
aI 404	b 2 V	6.50	6.49	01 01		V 1 b	6.20		
	V 1 b'	6.48			aI 1139	b 2 V	6.50	6.49	01 01
aI 411	b 2 V	6.50	6.44	06 06		V 1 b'	6.48		
	V 2 b'	6.38			aI 1187	too poor			
aI 460	too poor				aI 1196	V < h'		< 9.63	
aI 705	b 1 V	6.40	6.39	01 01		h' = 0.0			
	V 2 b'	6.38							

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

1915phae.proj.1019L

Wednesday Dec 1

U Sagittae

aI 1205	b1V	6.40	6.39	01	01	aI 1579	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 1227	b1V	6.40	6.39	01	01	aI 1589	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 1250	b2V	6.50	6.44	06	06	aI 1663	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 1258	b2V	6.50	6.49	01	01	aI 1709	b2V	6.50	6.49	01	01
	V1b'	6.48					V1b'	6.48			
aI 1280	b2V	6.50	6.49	01	01	aI 1745	b2V	6.50	6.44	06	06
	V1b'	6.48					V2b'	6.38			
aI 1162	B2V	6.24	6.22	02	02	aI 2198	l2V	8.64	8.67	03	03
	V1b	6.20					V2b	8.70			
aI 1408	Too near the edge					aI 2224	b1V	6.40	6.39	01	01
							V2b'	6.38			
aI 1416	b2V	6.50	6.49	01	01	aI 2246	b2V	6.50	6.44	06	06
	V1b'	6.48					V2b'	6.38			
aI 1422	B2V	6.24	6.22	02	02	aI 2263	b1V	6.40	6.39	01	01
	V1b	6.20					V2b'	6.38			
aI 1437	b1V	6.40	6.39	01	01	aI 2305	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 1454	b2V	6.50	6.49	01	01	aI 2318	b1V	6.40	6.44	04	04
	V1b'	6.48					V1b'	6.48			
aI 1459	Too poor					aI 2337	b1V	6.40	6.39	01	01
aI 1488	b2V	6.50	6.44	06	06		V2b'	6.38			
	V2b'	6.38				aI 2349	a^{2}2V	7.70	7.76	06	06
aI 1550	Broken						V1g	7.82			
aI 1556	b2V	6.50	6.49	01	01	aI 2361	B2V	6.24	6.22	02	02
	V1b'	6.48					V1b	6.20			

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

1915phae.proj.10191

Wednesday Dec. 1

aI 2386	~~b2V~~ b2V	6.50	6.49	01	01	aI 2739	b2V	6.50	6.44	06	06
	V1b'	6.48					V2b'	6.38			
aI 2403	b2V	6.50	6.49	01	01	aI 2745	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 2426	B2V	6.24	6.22	02	02	aI 2786	B2V	6.24	6.22	02	02
	V1b	6.20					V1b	6.20			
aI 2452	b2V	6.50	6.49	01	01	aI 2820	V<K		9.00		
	V1b'	6.48					K=0.1				
aI 2459	b2V	6.91	6.86	05	06	aI 2855	b2V	6.50	6.49	01	01
	V1a	6.80					V1b'	6.48			
aI 2480	B2V	6.24	6.22	02	02	aI 2864	b2V	6.50	6.49	01	01
	V1b	6.20					V1b'	6.48			
aI 2509	too poor					aI 2884	B2V	6.24	6.22	02	02
aI 2539	b1V	6.40	6.39	01	01		V1b	6.20			
	V2b'	6.38				aI 13849	b1V	6.40	6.39	01	01
aI 2567	B3V	6.34	6.27	07	07		V2b'	6.38			
	V1b	6.20				aI 13872	b1V	6.40	6.39	01	01
aI 2600	b'1V	6.68	6.64	04	03		V2b'	6.38			
	V1b²	6.61				aI 13934	b1V	6.40	6.39	01	01
aI 2639	too poor						V2b'	6.38			
aI 2672	b2V	6.50	6.49	01	01	aI 13953	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 2682	b2V	6.50	6.49	01	01	aI 13969	too poor				
	V1b'	6.48				aI 13985	b1V	6.40	6.39	01	01
aI 2707	a²2V	7.70	7.76	06	06		V2b'	6.38			
	V1g	7.82				aI 14007	B2V	6.24	6.22	02	02
aI 2734	b1V	6.40	6.39	01	01		V1b	6.20			
	V2b'	6.38				aI 14021	b'1V	6.68	6.64	04	03
							V1b²	6.61			

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

1915phae.proj.1019L

Thursday Dec. 2

11.15 U Sagittae

aI 12544	b2V	6.50	6.49	01	01	aI 12741	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 12553	b1V	6.40	6.39	01	01	aI 12742	b2V	6.50	6.49	01	01
	V2b'	6.38					V1b'	6.48			
aI 12587	b1V	6.40	6.39	01	01	aI 12764	b2V	6.50	6.49	01	01
	V2b'	6.38					V1b'	6.48			
aI 12603	B2V	6.24	6.22	02	02	aI 12781	B2V	6.24	6.22	02	02
	V1b	6.20					V1b	6.20			
aI 12648	b1V	6.40	6.39	01	01	aI 12788	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 12654	B2V	6.24	6.22	02	02	aI 12812	b1V	6.40	6.39	01	01
	V1b	6.20					V2b'	6.38			
aI 12664	b1V	6.40	6.39	01	01	aI 12820	b1V	6.40	6.39	01	01
	V2b'	6.38					V2b'	6.38			
aI 12670	B2V	6.24	6.22	02	02	aI 12824	b1V	6.40	6.39	01	01
	V1b	6.20					V2b'	6.38			
aI 12678	b1V	6.40	6.44	04	04	aI 12839	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 12699	b2V	6.50	6.49	01	01	aI 12846	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 12704	b2V	6.50	6.49	01	01	aI 12854	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			
aI 12716	b1V	6.40	6.39	01	01	aI 12862	a'1V	7.33	7.32	01	02
	V2b'	6.38					V2a'2	7.30			
aI 12726	B2V	6.24	6.22	02	02	aI 12890	b1V	6.40	6.39	01	01
	V1b	6.20					V2b'	6.38			
aI 12729	b2V	6.50	6.49	01	01	aI 12898	b1V	6.40	6.39	01	01
	V1b'	6.48					V2b'	6.38			

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

1915phae.proj.1019L

Thursday Dec. 2

U Sagittae

aI 12911	B2V	6.24	6.22	02 02	aI 14111	b1V	6.40	6.39	01 01
	V1b	6.20				V2b'	6.38		
aI 12923	B2V	6.24	6.22	02 02	aI 14198	b2V	6.50	6.49	01 01
	V1b	6.20				V1b'	6.48		
aI 12931	b2V	6.50	6.44	06 06	aI 14232	a^{2}3V	7.80	7.81	01 01
	V2b'	6.38				V1g	7.82		
aI 12939	a^{2}2V	7.70	7.71	01 01	aI 14270	b1V	6.40	6.39	01 01
	V2g	7.72				V2b'	6.38		
aI 12964	B2V	6.24	6.22	02 02	aI 13509	b1V	6.40	6.39	01 01
	V1b	6.20				V2b'	6.38		
aI 12972	b1V	6.40	6.39	01 01	aI 13576	B2V	6.24	6.22	02 02
	V2b'	6.38				V1b	6.20		
aI 13012	b2V	6.50	6.49	01 01	aI 13611	b1V	6.40	6.39	01 01
	V1b'	6.48				V2b'	6.38		
aI 13080	b2V	6.50	6.49	01 01	aI 13649	b2V	6.50	6.44	06 06
	V1b'	6.48				V2b'	6.38		
aI 13123	b1V	6.40	6.39	01 01	aI 13756	b1V	6.40	6.39	01 01
	V2b'	6.38				V2b'	6.38		
aI 13495	B2V	6.24	6.22	02 02	aI 13766	b2V	6.50	6.49	01 01
	V1b	6.20				V1b'	6.48		
aI 13505	b2V	6.50	6.44	06 06	aI 13797	b1V	6.40	6.39	01 01
	V2b'	6.38				V2b'	6.38		
aI 14030	b2V	6.50	6.44	06 06	aI 13824	b1V	6.40	6.39	01 01
	V2b'	6.38				V2b'	6.38		
aI 14045	b1V	6.40	6.39	01 01	aI 13829	b1V	6.40	6.39	01 01
	V2b'	6.38				V2b'	6.38		
aI 14087	b2V	6.50	6.49	01 01	aI 11088	b2V	6.50	6.49	01 01
	V1b'	6.48				V1b'	6.48		

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

1915phae.proj.1019L

Thursday Dec. 2

U S agittae

aI 11103	b^2 2V	6.91	6.86	05	06	aI 11444	Too poor		
	V1a	6.80				aI 11548	b2V	6.50	6.49 01 01
aI 11209	Too poor						V1b'	6.48	
aI 11234	b1V	6.40	6.39	01	01	aI 11557	b1V	6.40	6.39 01 01
	V2b'	6.38					V2b'	6.38	
aI 11264	b1V	6.40	6.39	01	01	aI 11562	b1V	6.40	6.39 01 01
	V2b'	6.38					V2b'	6.38	
aI 11287	b1V	6.40	6.39	01	01	aI 11568	b2V	6.50	6.49 01 01
	V2b'	6.38					V1b'	6.48	
aI 10123	Too poor					aI 11576	b1V	6.40	6.39 01 01
aI 10943	b^2 2V	6.91	6.86	05	06		V2b'	6.38	
	V1a	6.80				aI 11607	b2V	6.50	6.49 01 01
aI 11412	Too poor						V1b'	6.48	
aI 11426	b2V	6.50	6.49	01	01	aI 11626	b2V	6.50	6.49 01 01
	V1b'	6.48					V1b'	6.48	
aI 11442	b1V	6.40	6.39	01	01	aI 11637	b1V	6.40	6.39 01 01
	V2b'	6.38					V2b'	6.38	
aI 11474	b1V	6.40	6.39	01	01	aI 11645	b2V	6.50	6.49 01 01
	V2b'	6.38					V1b'	6.48	
aI 11479	~~a'3V~~	7.53	7.46	07	06	aI 11659	b1V	6.40	6.39 01 01
	V1a^2	7.40					V2b'	6.38	
aI 11506	b1V	6.40	6.39	01	01	aI 11667	B2V	6.24	6.22 02 02
	V2b'	6.38					V1b	6.20	
aI 11509	b2V	6.50	6.49	01	01	aI 11672	b1V	6.40	6.39 01 01
	V1b'	6.48					V2b'	6.38	
aI 11523	b1V	6.40	6.39	01	01	aI 11489	b1V	6.40	6.39 01 01
	V2b'	6.38					V2b'	6.38	
aI 11530	b2V	6.50	6.49	01	01	aI 11493	b1V	6.40	12.45 6.39 01 01
	V1b'	6.48					V2b'	6.38	

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

1015phae.proj.10101

Friday, Dec. 3,

11.35 U Sagittae

aI 14297	B2V	6.24	6.22	02	02	aI 10293	b2V	6.50	6.49	01	01
	V1b	6.20					V1b'	648			
aI 11033	B2V	6.24	6.22	02	02	aI 10284	B3V	6.34	6.27	07	07
	V1b	6.20					V1b	6.20			
aI 11008	b1V	6.40	6.39	01	01	aI 10272	b2V	6.50	6.49	01	01
	V2b'	6.38					V1b'	648			
aI 11006	a1V	7.00	7.02	02	01	aI 10261	b2V	6.50	6.49	01	01
	V2a'	7.03					V1b'	648			
aI 11001	Too poor					aI 10251	b2V	6.50	6.49	01	01
aI 10998	g1V	8.02	7.98	04	04		V1b'	6.48			
	V2f	7.94				aI 10196	b2V	6.50	6.49	01	01
aI 10987	b2V	6.50	6.49	01	01		V1b'	648			
	V1b'	648				aI 11501	B2V	6.24	6.22	02	02
aI 10980	b1V	6.40	6.39	01	01		V1b	6.20			
	V2b'	6.38				aI 11503	$b^2$2V	6.91	6.86	05	06
aI 10959	B2V	6.24	6.22	02	02		V1a	6.80			
	V1b	6.20				aI 11514	B3V	6.34	6.27	07	07
aI 10954	b2V	6.50	6.49	01	01		V1b	6.20			
	V1b'	6.48				aI 11521	b2V	6.50	6.49	01	01
aI 10876	b2V	6.50	6.49	01	01		V1b'	6.48			
	V1b'	648				aI 11586	V < h		< 9.16		
aI 10792	b2V	6.50	6.44	06	06		h = 0,0				
	V2b'	6.38				aI 11676	b1V	6.40	6.39	01	01
aI 10714	b1V	6.40	6.39	01	01		V2b'	6.38			
	V2b'	6.38				aI 11717	B2V	6.24	6.22	02	02
aI 10622	b2V	6.50	6.49	01	01		V1b	6.20			
	V1b'	648				aI 11771	b1V	6.40	6.39	01	01
aI 10322	b1V	6.40	6.39	01	01		V2b'	6.38			
	V2b'	6.38									

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

1915phae.proj.1019L

Friday. Dec. 3

U Sagittae

aI	11825	b2V	6.50	6.44	06	06
		V2b'	6.38			
aI	11843	B2V	6.24	6.22	02	02
		V1b	6.20			
aI	11854	b1V	6.40	6.39	01	01
		V2b'	6.38			
aI	11862	b2V	6.40	6.39	01	01
		V2b'	6.38			
aI	11905	b1V	6.40	6.39	01	01
		V2b'	6.38			
aI	11918	b2V	6.50	6.49	01	01
		V1b'	6.48			
aI	11933	b1V	6.40	6.39	01	01
		V2b'	6.38			
aI	12448	Too poor				
ac	6364	c1V	8.24	8.24	00	00
		V2b	8.24			
		02n	10.39	10.52	13	14
		n1q	10.66			
ac	5234	c2V	8.34	8.28	06	06
		V2l	8.22			
		02n	10.39	10.52	13	14
		n1q	10.66			
ac	3057	c1V	8.24	8.24	00	00
		V2l	8.24			

1.35

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

1915phae.proj.1010L

Saturday, Dec. 4.

11.25 U Sagittae

ac 3833	h'1V	9.73	9.72	01	02	ac 2355	c2V	8.34	8.29	05	05
	V1h²	9.70					V2l	8.24			
	02n	10.39	10.48	09	08		01n	10.29	10.42	13	14
	n2g	10.56					n2g	10.56			
ac 2356	a²2V	7.70	7.76	06	06	ac 1849	h2V	9.36	9.44	08	09
	V1g	7.82					V1h'	9.53			
ac 2707	< 0		< 10.19				01n	10.29	10.42	13	14
	0 = 0.0						n2g	10.56			
	~~g 2V~~										
	~~V3h~~										
ac 2706	c2V	8.34	8.34	00	00						
	V1l	8.34									
ac 4954	a'2V	7.43	7.42	01	02						
	V1a²	7.40									
ac 3056	a2V	7.10	7.12	02	01						
	V1a'	7.13									
ac 2209	c~~l~~2V	~~8.34~~	8.34	00	00						
	V1l	8.34									
ac 2240	b²2V	6.91	6.86	05	06						
	V1a	6.80									
ac 2267	h'1V	9.73	9.72	01	02						
	V1h²	9.70									
	01n	10.29	10.42	13	14						
	n2g	10.56									
ac 2353	h2V	9.36	9.44	08	09						
	V1h'	9.53									
ac 2354	l2V	8.64	8.67	03	03						
	V2k	8.70									

12.35

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

1915phae.proj.1019L

11.35

Monday, Dec. 6, 1915

U Sagittae

~~AC 7823~~

ac 9905	C2V	8.34	8.34	00	00	ac 12490	h'2V	9.83	9.76	07	06
	V1f	8.34					V1h²	9.70			
	01n	10.29	10.42	13	14		02n	10.39	10.48	09	08
	n2q	10.56					n2q	10.56			
ac 10304	K1V	9.00	8.98	02	02	ac 16633	h'1V	9.73	9.66	07	06
	V2h	8.96					V2h²	9.60			
	01n	10.29	10.42	13	14		02n	10.39	10.48	09	08
	n2q	10.56					n2q	10.56			
ac 10650	h'2V	9.83	9.76	07	06	am 6510	h'2V	9.83	9.76	07	06
	V1h²	9.70					V1h²	9.70			
	01n	10.29	10.42	13	14		01n	10.29	10.42	13	14
	n2q	10.56					n2q	10.56			
ac 10836	h'2V	9.83	9.76	07	06	am 6944	h'2V	9.83	9.76	07	06
	V1h²	9.70					V1h²	9.70			
ac 10885	K2V	9.10	9.08	02	02		02n	10.39	10.48	09	08
	V2h	9.06					n2q	10.56			
	01n	10.29	10.42	13	14	am 7004	h2V	9.36	9.44	08	09
	n2q	10.56					V1h'	9.53			
ac 11541	h'2V	9.83	9.76	07	06		02n	10.39	10.48	09	08
	V1h²	9.70					n2q	10.56			
	01n	10.29	10.42	13	14	am 7218	h'2V				
	n2q	10.56					V1n				
ac 11717	q2V	8.12	8.08	04	04		02n	10.39	10.48	09	08
	V1f	8.04					n2q	10.56	1.00		
ac 11939	C1V	8.24	8.29	05	05	am 8337	h2V	9.36	9.40	04	03
	V1f	8.34					V2h'	9.43			
	01n	10.29	10.42	13	14		01n	10.29	10.42	13	14
	n2q	10.56					n2q	10.56			

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

1915phae.proj.1019L

11.30

Tuesday, Dec. 7, 1915

am	510	h 2 V	9.36	9.44	08	09	ac	16268	0 2 n	10.39	10.48	=n 09	08
		V 1 h'	9.53						n 2 g	10.56			
am	3108	h' 2 V	9.83	9.76	07	06							
		V 1 h²	9.70										
		0 2 n	10.39	10.52	=n 13	14							
		n 1 g	10.66										
am	4256	c 1 V	8.24	8.24	00	00							
		V 2 l	8.24										
		0 2 n	10.39	10.48	=n 09	08							
		n 2 g	10.56										
am	4889	c 2 V	8.34	8.29	05	05							
		V 2 l	8.24										
		0 2 n	10.39	10.52	=n 13	14							
		n 1 g	10.66										
ac	14238	h' 2 V	9.83	9.76	07	06							
		V 1 h²	9.70										
ac	14334	a² 2 V	7 9.70	7.76	06	06							
		V 1 g	7.82										
		0 2 n	10.39	10.52	=n 13	14							
		n 1 g	10.66										
ac	14381	h 2 V	9.36	9.40	04	03							
		V 2 h'	9.43										
ac	15568	a² 1 V	7.60	7.65	05	05							
		V 2 g	7.70										
		0 1 n											
		n 2 g											
ac	16268	h² 1 V	9.90	10.00	10	09							
		V 1 σ	10.09										

1.05

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

1915phae.proj.1019L

Plates on which U Sagittae is near normal brightness

am 53, 102, 121, 199, 247, 547, 563, 599, 657, 861, 870, 881, 957, 973,
989, 1000, 1088, 1202, 1215, 1312, 1344, 1354, 1385, 1493, 1561, 1623,
1641, 1876, 1888, 1992, 2035, 2062, 2185, 2201, 2308, 2534, 2662, 2670,
2703, 2778 ~~2818~~, 2826, 2857, 3059, 3091, 3149, 3456, 3485, 3577, 3632, 3648,
3712, 3751, 3753, 3763, 3776, 3800, 3839, 3840, 3897, 3905, 3910, 3912,
3952, 4165, 4295, 4332, 4344, 4355, 4414, 4418, 4428, 4432, 4438, 4456,
4479, 4528, 4606, 4780, 4861, 4971, 5040, 5098, 5110, 5115, 5362, 5485,
5538, 5563, 5588, 5613, 5652, 5713, 5799, 5830, 6031, 6140, 6191, 6209, 6224
6245, 6294, 6321, 6412, 6433, 6455, 6631, 6632, 6963, 6998, 7120, 7148, 7196,
7205, 7233, 7246, 7301, 7615, 7661, 7697, 7735, 7827, 7854, 7894, 8159, 8257,
8308, 8374, 8418, 8433, 8495, 8523, 8544, 8582, 8604, 8626, 8636,
8660, 8666, 8670, 8700, 8875, 8915, 8954, 9013, 9030, 9069, 9100, 9109, 9240,
9286, 9312, 9397, 9451, 9457, 9459, 9555, 9560, 9589, 10009, 10015, 10017,
10498, 10679, 10692, 10743, 10798, 10834, 10922, 10961, 11015.

ac 94, 297, 346, 378, 469, 809, 882, 961, 1492, 1536, 1660, 1688, 1717, 1723, 1814,
1862, 1926, 1940, 2029, 2041, 2052, 2069, 2854, 2906, 2985, 3261, 3475,
3564, 3658, 3667, 3683, 3713, 3826, 3884, 3894, 3901, 3923, 3987, 4028, 4037,
4065, 4109, 4124, 4156, 4748, 4805, 4906, 5045, 5069, 5107, 5201, 5212,
5221, 5244, 5336, 5392, 5406, 5474, 5483, 5562, 6022, 6087, 6231, 6254,
6333, 6432, 6454, 6483, 6533, 6556, 6590, 6680, 6736, 6959, 7058, 7080,
7486, 7606, 7620, 7668, 7695, 7715, 7730, 7767, 7794, 7823, 7950, 8517,
8601, 8630, 8649, 8652, 8691, 8722, 8835, 8904, 8919, 9002, 9020, 9508
9516, 9612, 9650, 9659, 9680, 9748, 9758, 9769, 9820, 9838, 9885, 9895
10569, 10621, 10643, 10675, 10717, 10736, 10794, 10908, 10943, 11028,
11521, 11582, 11688, 11723, 11737, 11742, 11753, 11767, 11772, 11787,
11834, 11840, 11868, 11887, 11903, 11925, 12385, 12403, 12422, 12438,
12450, 12470, 12507, 12518, 12537, 12567, 12597, 12620, 13039
13100, 13165, 13205, 13211, 13259, 13273, 13332, 14071, 14085, 14092,
[illegible]

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

1915phae.proj.10191

ac 14312, 14357, 14464, 15152, 15167, 15212, 15228, 15274, 15289, 15303,
15309, 15331, 15342, 15354, 15365, 15390, 15408, 15439, 15447, 15451,
15466, 15481, 15489, 15505, 15517, 15525, 15539, 15560, 15596, 15604
16321, 16355, 16377, 16395, 16456, 16558, 16597, 16619, 16623, 16657,
16696, 16778, 16867, 16899, 16983, 17011,

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

1915phae.proj.1019L

11.15

Wednesday December 8, 1915

Scale m

Md. 3803

	Sc. 1	Sc 2
A.	1.1	
B.	2.1	
b	2.1	
b'	2.9	
b^2	2.9	
a	3.2	B
a'	3.5	B
a^2	3.9	4.1
g	4.5	5.1
f.	4.9	5.1
c	4.8	5.2
l	5.5	5.5
k	5.9	6.1
h	6.1	6.1
h'	6.8	6.9
h^2	6.9	7.1
o		7.1
n		7.5
q		7.9
D		8.8

U Sagittae

	Sc. 1	P. C.	Sc. 2
	5.5		5.8
	6.1		6.5
	6.5		6.5
	6.8 ~~6.8~~		7.1
	6.8		7.1
			7.1 ~~#~~
			7.5 ~~7.5~~
			8.1
			8.5
			8.5
			8.8
			8.9
			9.5
			f
			f
			ff

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

1916phae.proj.1019L

Wednesday Dec. 8, 1915

Scale m	Md. 38 76 Sc 1	Sc 2	Sc. 1 P.C.	Sc. 2
A	B		6.1	6.1
B	2.1		6.8	6.9
b	2.1		6.9	7.1
b'	3.2		6.9	7.1
b²	8.2		6.9	~~7.9~~ 7.1
a	3.5			7.9
a'	3.5	B		~~8.5~~ 8.1
a²	3.9	4.5		8.5
g	5.5	5.8		8.9
f	5.8	5.5		9.1
c	5.8	5.8		8.9
l	6.5	6.1		9.5
k	6.8	6.9		9.5
h	6.8	7.1		F
h'		7.8		
h²		7.8		
o		7.9		
n		8.1		
q		8.5		
p		9.5		

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

1915phae.proj.1019L

Wed. Dec. 8, 1915

Scale m Md 3928

	Sc. 1	Sc 2	Sc. 1 P. C	Sc. 2
A.	B		5.5 / 4.4	5.7
B.	1.1		6.1	63
b	1.9		6.8	7.1
b'	2.5		6.9	7.1
b²	2.9		6.9	7.1
a	3.1			7.5
a'	3.5			7.9
a²	3.8	B		8.5
g	4.9	5.1		8.9
f	5.1	5.5		8.9
c.	5.1	5.5		8.9
l	5.5	5.9		9.3
k	6.1	6.8		9.8
h	6.9	6.9		F
h'		7.5		
h²		7.8		
0		7.9		
n		8.1		
q		8.5		
s		9.5		

12.35

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

1915phae.proj.1019L

11.25 Thursday, Dec. 9, 1915

Scale m

	md. 6141 Sc.1	Sc.2		md 6146 Pole 7h67			Diff	P.C.			md 6146 7h67		Diff
3.	1.7 1.5		B	1.7	1.70	0 0	4.11	6.7 6.5	6.75	1 0	6.8	6.80	6.78 03 02 -097
4.	2.0 1.8		B	2.1	2.05	0 1	3.94	6.7 6.5	6.75	1 0	6.8	6.80	6.78 03 02 -079
5.	2.3 2.1		B	2.7	2.50	2 2	3.99				7.5	7.15	7.32 18 17 -083
6.	3.7 3.5		B	3.7	3.70	0 0	3.41				7.9	7.8	7.85 1 0 -074
7.	4.1 3.9		B	4.40	4.25	15 15	2.91				7.9	8.1	8.00 1 1 -069
8.	6.0 5.8	5.90 1 1	5.8 6.7	6.60	6.25	35 35	1.98				8.9	8.9	8.90 0 0 -067
9.	6.7 6.5	6.75 1 0	6.8	7.00	6.88	13 12	1.95				9.8	9.5	9.65 2 1 -082
10.	7.1 6.9	7.10 0 0	7.1	7.1	7.10	0 0 0 0	1.92				F	9.8	9.80 . 0 -078
11.			7.5	7.8	7.65	1 2	1.90					9.9	9.90 . 0 -035
12.			7.9	7.8	7.85	1 0	2.01					F	. .
13.			8.1	8.1	8.10	0 0	2.20						
14.			8.5	8.5	8.50	0 0	2.15						
15.	8.8		8.8	8.9	8.85	0 1	2.23						
16.			9.1	8.9	9.00	1 1	2.40						
17.			9.5	9.5	9.50	0 0	2.13						
18			9.8	9.8	9.80	0 0	2.26						
19			F	7	.	.	.						

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

1915phae.proj.1019L

Thursday, Dec. 9, 1915

Copied [illegible]

Scale m Md. 6144 U Sagittae +.18 P C.

	Sc. 1	Sc 2			Sc. 1		Sc 2	Cw.	
a	B		Curve	Magn	60 5.8	5.95 0 ½	5.9	.	
B	13 1.1		.	.	67 6.5	6.60 1 ½	6.5	-0.82	5.78
b	17 1.5		4.07	5.77	70 6.8	7.05 0 1	7.1	-0.82	6.23
b'	31 2.9		3.65	6.75	70 6.8	7.05 0 1	7.1	-0.82	6.23
b²	31 2.9		3.65	6.75			7.1	-0.81	6.39
a	33 3.1		3.56	6.86			7.5	-0.81	6.69
a'	37 3.5		3.36	7.06			8.1	-0.80	7.30
a²	41 ~~3.9~~ ~~8.9~~	B	3.12	7.22			8.5	-0.79	7.71
g	50 ~~5.8~~ 4.8 5.05 0 1	5.1	2.56	7.61			8.9	-0.76	8.14
f	57 5.5 5.75 1 0	5.8	2.19	7.94			8.9	-0.76	8.14
c	60 5.8 5.95 0 ½	5.9	2.12	8.07			Fi	.	.
l	60 5.8 5.95 0 ½	5.9	2.12	8.07					
k	71 6.9 7.00 1 ½	6.9	1.94	8.94					
h	71 6.9 7.10 0 0	7.1	1.95	9.05					
h'		7.5	1.99	9.49					
h²		7.5	1.99	9.49					
o		7.9	2.04	9.94					
n		7.9	2.04	9.94					
q		8.5	2.13	10.63					
s		9.1	2.26	11.36					

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

1915phae.proj.1019L

Thursday, Dec. 9, 1915

Scale m md 6146 Pole

	Sc. 1		Sc. 2	P. C Sc. 1		Sc. 2
3	1.7 1.5			6.8 6.5	6.80 00	6.8
4	2.1 1.9			6.8 6.5	6.80 00	6.8
5	2.7 2.5			7.2 6.9	7.15 0 1	7.1
6	3.7 3.5		B			7.8
7	4.3 4.1	44° 1 1	4.5			8.1
8.	6.3 6.1	66° 3 3	6.9			8.9
9.	7.1 6.9 ~~7.1~~	70° 1 1	6.9			9.5
10.			7.1			9.8
11			7.8			9.9
12.			7.8			F
13			8.1			
14.			8.5			
15.			8.9			
16.			8.9			
17.			9.5			
18			9.8			
19			F			

See p 65

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

1915phae.proj.1019L

Thursday. Dec. 9, 1915

Scale m Md 3925 Pole

	Sc.1		Sc.2	3930 μ70	Diff	P.C. Sc.1		Sc.2	3930 μ70	Diff
3.	1.5		1.3	1.50	2 ± 4.31	6.5	6.78 ± 0	6.8	6.40	6.58 17 15 -.077
4	2.1		1.7	2.00	3 ± 3.99	6.8	7.05 0 1	7.1	6.80	6.92 13 12 -.093
5	2.8		2.3	2.65	4 ± 3.84			7.5	7.8	7.50 0 0 -.101
6.	3.5	B	3.7	3.70	0 0 3.41			8.1	7.8	7.95 1 2 -.084
7.	3.7	4.00 ± 1	4.1	4.05	0 5 0 5 3.26			8.5	8.1	8.30 2 2 -.099
8.	5.9	6.10 0 0	6.1	6.00	6.05 0 5 0 5 2.18			9.5	9.5	9.50 0 0 -.127
9.	6.8	6.95 0 1	6.9	6.90	6.92 0 3 0 2 1.91			9.9	9.9	9.90 0 0 -.107
10.	6.9	7.10 0 0	7.1	7.1	7.10 0 0 0 0 1.92			F	7	7 .
11.			7.5	7.8	7.65 1 2 1.90					
12.			7.9	8.1	8.00 1 1 1.86					
13			8.5	8.5	8.50 0 0 1.80					
14			8.8	8.7	8.75 0 1 1.90					
15			9.1	9.1	9.10 0 0 1.98					
16			9.5	9.1	9.30 2 2 2.10					
17.			9.8	9.5	9.65 2 1 1.98					
18			F	9.9	9.90 . 2 2.16					
19			F	7	. .					

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

1915phae.proj.1019L

Copied 2.17.

Thursday, Dec. 9, 1915

Scale m Md 3928 U Sagittae +.17

	Sc.1		Sc.2	Cw.		P.C Sc.1		Sc.2	Cw	Magn	
a	B					5.7 3.5	5.90 2, 2	6.1	.	.	
B	1.7 1.5			4.20	5.90	6.7 6.5	6.75 1 0	6.8	-.086	5.89	
b	2.0 1.8			4.09	6.09	6.9 6.7	7.00 1 1	7.1	-.090	6.10	
b'	3.0 2.8			3.68	6.68	7		7.1	-.092	6.18	
b²	3.0 2.8			3.68	6.68	~~6.9~~		7.1	-.092	6.18	
a	3.1 2.9			3.64	6.74			7.8	-.101	6.79	
a'	3.7 3.5			3.35	7.05			7.9	-1.01	6.89	
a²	4.1 3.9		B	3.16	7.26			~~7.4~~ 6.1	-.104	7.06	⊛
g	5.7 5.5	5.75 1 0	5.8	2.32	8.07			9 ~~8.1~~ 8.12	~~-1.07~~	~~7.06~~ 7.98	*
f	6.0 5.8	5.95 0 1	5.9	2.24	8.19			8.9	-.112	7.88	
C	6.0 5.8	5.95 0 1	5.9	2.24	8.19			9.1	-.114	8.06	
l	6.0 5.8	5.95 0 1	5.9	2.24	8.19			9.5	-.115	8.35	
k	7.0 6.8	6.95 0 1	6.9	1.96	8.91			9.8	-.115	8.65	
h	7.0 6.8	7.05 0 1	7.1	1.94	8.99			9.8	-.115	8.65	
h'			7.7	1.89	9.59			7	.	.	
h²			7.7	1.89	9.59						
o			8.1	1.88	9.98						
n			8.2	1.89	10.09						
q			8.5	1.90	10.40						
s			9.5	2.02	11.52						

	Sc.1	P.C.	Sc.2	
Remeasured Dec. 12, 1915	a²		8.5	* Unit found to be wrong on Dec. 9. 1915
	g		8.8	
	f		8.9	
	C		8.9	

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

1915phae.proj.1019L

Thursday, Dec. 9, 1915

Scale m Md. 3930 Pole

	Sc. 1	Sc. 2	R.C. Sc. 1	Sc. 2
3.	1.3 1.1		6.3 6.1 6.40 ± 1	6.5
4.	1.7 1.5		6.7 6.5 6.80 ± 1	6.9
5.	2.3 2.1			7.5
6.	3.7 3.5			7.8
7.	4.1 3.9	B		8.1
8.	6.1 5.9 6.00 ± 1	5.9		9.5
9.	6.9 6.7 6.90 ± 0	6.9		9.9
10.		7.1		F
11.		7.8		
12.		8.1		
13.		8.5		
14.		8.7		
15.		9.1		
16.		9.1		
17.		9.5		
18.		9.9		
19.		F		

1.15

Sept. 68

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

1915phae.proj.1019L

11.20 Friday Dec. 10, 1915

Scale m Mc ~~6503~~ 6710 Comparison Stars for Mr. Metcalf's Variable

	Variable Sequence Sc. 1	Variable Sequence Sc. 2		Reference Sequence Sc. 1	Reference Sequence Sc. 2
a		7.3	9	6.5	6.8
b		7.5	10	6.8	7.1
c	~~7.7~~	7.7	11.		7.5
d		7.8	12		7.8
e		7.8	13		8.1
e'		7.8	14		8.5
e²		8.3	15		8.5
f		8.5	16		8.8
f'		8.5	17		8.8
g		8.9	18		8.9
g'		9.1	19		8.9
h		9.3	20		9.5
k		9.5			
l		9.8			

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

1915phae.proj.1019L

Friday, Dec. 10, 1915

Scale m Plate MC 6503 Micial's Var.

	Variable Sequence Sc 1	Sc 2		Reference Seq. Sc. 1	Sc 2
a	6.9	7.1	9.	6.5	6.8
b		7.5	10.	6.8	7.1
c		7.8	11.		7.5
d		7.8	12		7.8 ~~8.5~~
e		7.8	13		7.8
e'		7.8	14		8.3
e^2		8.1	15		8.5
f		8.5	16.		8.5
f'		8.5	17.		8.8
g		8.8	18.		8.8
g'		8.8	19		9.1
h		9.1	20		9.5
k		9.3			
l		9.5			

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

1915phae.proj.1019L

Friday Dec. 10, 1915

Metcalf's Var.

Scale m MC 9318 1

	Sc. 1 Var. Seq	Sc. 2		Sc. 1 Ref. Seq	Sc. 2
a	7.7		9	6.9	7.1
b	7.9		10		7.5
c	8.5		11.		8.3
d	8.5		12		8.5
e	8.5		13		8.5
e'	8.3		14		8.8
e²	8.5		15		9.1
f	8.9		16.		9.5
f'	9.1		17.		9.5
g	9.5		18.		9.8
g'	9.5		19.		F
h	9.5		20.		F
k	F				
l	F				

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

1915phae.proj.1019L

Friday Dec. 10, 1915

Metcalf's Ver.

Scale m

MC 6628.

	Var. Seq. Sc.1	Sc.2		Ref. Seq. Sc.1	Sc.2
a.	6.9	7.1	9	6.5	6.8
b.		7.8	10	6.9	7.1
c.		7.8	11		7.8
d		7.8	12		7.8
e		7.9	13		7.9
e'		7.9	14		8.1
e^2		7.9	15		8.5
f		8.5	16		8.5
f'		8.5	17		8.9
g		8.7	18		9.1
g'		8.8	19		9.5
h		9.1	20		9.5
k		9.5			
l		9.8			

12.35

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

1915phae.proj.1019L

9.10 Saturday Dec. 11, 1915

Scale m. mc 4839 Praesepe PC

	Sc.1	Sc.2	Sc.1	Sc.2
a	B		4.5	4.8
b	B		4.8	5.1
c	B		5.1	
d	B		5.3	5.5
e	1.8		5.7	5.7
g	1.8		5.8	5.9
h'	1.9		5.8	5.8
h²	2.1		5.8	5.9
h³	2.1		6.5	6.7
h⁴	2.5		6.7	7.1
h⁵	3.1		6.8	6.9
k²	3.9			8.3
k³	3.5	B		7.9
m	3.9	4.1		7.7 8.5
n	4.1	4.5		8.7
n²	4.7	4.7		8.7
o	4.7	4.8		8.7
r	4.9	4.9		8.4
s	5.1	5.5		9.5
t	5.5	5.7		9.7
u	5.7	5.7		
w	5.9	5.9		9.9
z	6.5	6.7		F
α	6.9	7.1		
β		7.5		
γ	#	7.7		
δ		8.5		
ε		8.3		
ζ		8.8		
η		9.3		

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

1915phae.proj.1019L

~~Saturday~~, Dec. 11, 1915

Scale m Mc. 4839

	Sc.1	Sc.2	P.C. Sc.1	P.C. Sc.2
f	1.9 ~~2.1~~		5.9	
k'	3.8			8.1
l	3.8	F		8.5
p	3.9	4.1		8.5
q	4.5	4.9		8.8
θ		9.3		
λ		9.5		
μ		~~9.9~~		
ν		9.9		
χ	2.1	B	6.3	6.7
y	1.1	B	4.8	5.1
+20° 2178	B		4.5	5.1
+21° 1909	1.1		4.9	5.3
+18° 2027	B		3.1	B
+21 1895	B		2.5	B
+20 2109	B		5.1	5.5
+19 2027	B		9.5	B
+20 2133	2.3		6.8	7.1
+20 2152	1.7		5.5	5.7
+20 2153	1.9		5.7	5.8
+20 2158	1.8		5.1	5.5
+20 2159	B		4.7	4.8
+20 2185	2.1		5.9	6.3
~~+20 2123~~	~~1.7~~			

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

1915phae.proj.10191

Saturday Dec. 11, 1915

Scale m Mc 4839 (5 Camii PC

	Sc.1	Sc.2	Sc.1	Sc.2
a	1.9		5.9	6.1
a'	B		5.1	5.5
b	1.9		6.3	6.5
c	1.9		5.9	6.3
c'	2.1		6.3	6.7
d	2.5		6.8	7.1
e	3.5			7.7
e'	3.7			8.3
f	3.7			8.3
f'	4.7	4.9	~~4.9~~	8.8
~~g~~	5.1	5.8	~~5.8~~	9.8
g	4.3	B	~~B~~	8.7
l	~~5.9~~ 5.8	6.1	~~6.1~~ ~~5.8~~	9.8
m	6.3	6.8	~~6.8~~	
n	6.9	7.1	~~7.1~~	

11.20

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

1915phae.proj.1019L

11.50

Monday. Dec 13, 1915

Series 552

Plot Sheet No 237

Scale m

	MC 9340 Sc 1		MC 9340 Sc 2	Pole MC 9345 Mon 85	Diff.	P.C Sc 1		MC 9345 Mon 85 Sc 2	Diff.
5.	B					4.5	4.75 L 0	4.8	5.05 4.90 15 15 +.159
6	1.3 1.1			1.3 1.30 0 0	5.81	5.3	5.60 L 1	5.7	5.90 5.75 15 15 +.136
7.	1.5 1.3			1.3 1.40 1 L	5.91	5.9 5.7	5.90 0 0	5.9	6.05 5.98 08 07 +.133
8	2.5 2.3			2.7 2.60 L 1	5.63	7.0 6.8	7.05 0 1	7.1	7.1 7.08 03 02 .115
9	3.0 2.8			3.1 3.05 0 1	5.78			7.5	7.9 7.70 2 2 .113
10	3.1 2.9		B	3.1 3.10 0 0	5.92			7.9	7.9 7.90 0 0 .112
11	4.0 3.8			3.7 3.85 2 L	5.70			8.5	8.5 8.50 0 0 .105
12	4.1 3.9		B	4.10 4.10 0 0 0 0	5.76			9.1	8.7 8.90 22 .096
13	4.7 4.5	4.75 L 0	4.8	4.90 4.80 2 10 10	5.58 48				9.5 .080
14	5.3 5.1	5.30 0 0	5.3	5.30 5.30 0 0 0 0	5.35				9.7 .095
15	5.7 5.5	5.70 0 0	5.7	5.85 5.78 08 07	5.30				9.9 .118
16	6.0 5.8	6.05 0 1	6.1	6.40 6.22 17 18	5.18				
17	6.3 6.1	6.50 2 2	6.7	6.50 6.50 0 0 0 0	5.13				
18	7.0 6.8	7.05 0 1	7.1	7.05 7.05 0 0 0 0	5.01				
19	7.1 6.9	7.20 L 1	7.3	7.3 7.25 05 05	5.17				
20			7.5	7.7 7.60 L 1	5.13				
23			8.1	8.3 8.20 L 1	5.14				
25			8.5	8.5 8.50 0 0	5.37				
26			8.7	8.9 8.80 L 1	5.53				
27			9.5	9.5 9.50 0 0	5.19				
28			9.8	9.7 9.75 0 L	5.36				

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

1915phae.proj.1019L

Monday Dec 13, 1915 Clear

Series 552

alt. +0.18

Scale m Mc 9341 Carte P.C

	Sc.1	Sc.2	Cm.	Magn	Sc.1	Sc2.	Cm.	Magn
1.	15 1.3		5.87	7.37	60 5.8 595 0 L	5.9	1.38	7.28
2	31 2.9		5.72	8.82		7.9	1.09	8.99
3	33 3.1		5.70	9.00		8.3	1.05	9.35
4	41 3.9		5.58	9.68		9.5	~~1.04~~	~~10.54~~
5	41 3.9	B	5.58	9.68		9.5	1.04	10.54
6	45 4.3 4.60 1 L	4.7	5.48	10.08		9.7	1.05	~~10.75~~ *
7	49 4.7 5.00 1 L	5.1	5.41	10.41		9.9	1.06	10.96
8	59 5.7 5.85 1 0	5.8	5.28	11.13		F		
9	67 6.5 6.60 1 L	6.5	5.18	11.78				
10	69 6.7 6.90 0 0	6.9	5.16	12.06				
11		7.3	5.15	12.45				
12		7.5	5.15	12.65				
13		7.7	5.17	12.87				
14		8.3	5.24	13.54				
15		8.5	5.25	13.75				
16		8.7	5.28	13.98				
17		8.9	5.30	14.20				
18		9.3	5.37	14.67				
19		9.5	5.40	14.90				
20		9.8	5.47	15.27				

* Two ~~pt~~ images close. ~~1st time~~ measure = wrong star. Later measure correct. Per H.S.L. Jan. 28, '16.

Reject measures of p.c. for Nos. 4, 5 and 6

Remeas. Jan. 28, 1916 Recorder O.

	Star Sm. sc.1		P.C sc.2
3	3.3	3	8.3
4	4.3	4	9.1
5	4.1	5	8.8
6	4.5	6	9.3

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

1915phae.proj.1019L

Monday. Dec. 13, 1915
Series 552

Copied.
Card

Alt +22

Scale m MC 9342 Bg P.C.

	Sc.1	Sc.2	Cu.	Magn	Sc.1		Sc.2	Cu.	Magn
1.	B		.	.	5.3 5.1	540 1 1	5.5	149	6.89
2.	B		.	.	5.5 5.3	560 1 1	5.7	144	7.04
3.	1.3 1.1		5.87	7.17	5.7 5.5	570 0 0	5.7	143	7.13
4.	1.5 1.3		586	7.36	6.1 5.9	600 1 1	5.9	136	7.36
5	1.5 1.3		5.86	7.36	6.3 6.1	620 1 1	6.1	133	7.53
6.	1.7 1.5		586	7.56	6.5 6.3	650 0 0	6.5	128	7.78
7.	2.3 2.1		581	8.11	6.8	690 1 1	6.8	121	8.11
8.	2.3 2.1		581	8.11	7.1 6.9	710 0 0	7.1	119	8.29
9.	2.7 2.5		577	8.47	7.1 6.9	710 0 0	7.1	119	8.29
10.	3.0 2.8		573	8.73			7.5	114	~~8.67~~ 8.27
11									
12.	2.9 2.7		574	8.64			7.7	111	8.81
13.	3.3 3.1		570	9.00			8.1	108	9.18
14.	3.9 3.7	B	561	9.51			8.3	105	9.35
15.	4.0 3.8 405 0 1	4.1	559	9.64			8.3	105	9.35
16.	4.0 3.8	B	559	9.59			8.3	105	9.35
17.	4.1 3.9 420 1 1	4.3	555	9.75			8.7	104	9.74
18.	4.5 4.3 460 1 1	4.7	548	10.08			9.3	103	10.33
19.	5.0 4.8 505 0 1	5.1	540	10.45			9.5	104	10.54
20	5.0 4.8 495 0 1	4.9	541	10.36			9.5	104	10.54
21	5.5 5.3 540 1 1	5.3	533	10.73			9.8	106	10.84
22	5.7 5.5 575 1 0	5.8	530	11.05			F		
23	6.5 6.3 650 0 0	6.5	519	11.69					

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

1915phae.proj.1019L

Monday Dec. 13, 1915

Scale m Mc. 9342 (cont.

			Cw.	Magn.
24	6.9 6.7	6.90 ° °	6.9 ~~6.7~~	5.15	12.05
25	6.9 6.7	7.00 ' '	7.1	5.15	12.15
26	7.1 6.9	7.10 ° °	7.1 ~~6.9~~	5.15	12.25
27			7.3	5.15	12.45
28			7.7	5.17	12.87
29			7.8	5.18	12.98
30			7.9	5.19	13.09
31			8.5	5.25	13.75
32			8.5	5.25	13.75
33			8.7	5.28	13.98
34			9.3	5.37	14.67
35			9.3 ~~7.1~~	5.37	14.67
36			9.5	540	14.90
37			9.7	544	15.14
38			9.7	544	15.14

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

1915phae.proj.1019L

Monday. Dec. 13, 1915

Scale m MC 9343 N.G.C. 7243 PC

	Sc.1		Sc.2	Cw.	Magn	Sc.1		Sc.2	Cw	Magn
1.	2.1 1.9			5.83	7.93	6.5 6.3	6.70 2 2	6.9	1.24	7.94
2.	2.1 1.9			5.83	7.93	6.9 6.7	7.00 1 1	7.1	1.20	8.30
3.	3.3 3.1			5.70	9.00			8.3 ~~8.5~~	1.05	9.35
4.	3.9 3.7		B	5.61	9.51			8.5	1.04	9.54
5	4.1 3.9	4.10 0 0	4.1	5.58	9.68			8.7	1.04	9.74
6	5.0 4.8	4.95 0 1	4.9	5.42	10.37			9.5	1.04	10.54
7.	5.5 5.3	5.60 1 1	5.7	5.31	10.91			9.7	1.05	10.85
8.	5.5 5.3	5.40 1 1	5.3	5.34	10.74			F	.	.
9.	5.9 5.7	5.80 1 1	5.7	5.29	11.09					
10.	6.0 5.8	5.95 0 1	5.9	5.26	11.21					
11.	6.7 6.5	6.80 1 1	6.9	5.16	11.96					
12	7.0 6.8	7.06 0 1	7.1	5.15	12.20					
13			7.3	5.15	12.45					
14			8.3	5.24	13.54					
15			8.8	5.29	14.09					

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

1915phaa.proj.1019L

Monday, Dec. 13, 1915

Copied.

Alt +17

Card.

Scale m mc9344 C12 P.C

	Sc. 1		Sc. 2	Cu.	Magn	Sc. 1		Sc. 2	Cu	
1.	B			.	.	5.5 5.3	5.50 0 0	5.5	1.46	6.96
2	1.8 1.3			5.86	7.36	5.7 5.5	5.70 0 0	5.7	1.44	7.14
3	1.5 1.3			5.86	7.36	6.3 6.1	6.10 2 2	5.9	1.35	7.45
4	2.1 1.9			5.84	7.94	6.5 6.3	6.50 0 0	6.5	1.27	7.77
5	2.1 1.9			5.84	7.94	6.7 6.5	6.80 1 1	6.9	1.22	8.02
6	2.7 2.5			5.77	8.47			7.3	1.16	8.46
7	2.7 2.5			5.77	8.47			7.5	1.14	8.64
8	2.7 2.5			5.77	8.47			7.5	1.14	8.64
9	3.1 2.9			5.72	8.82			7.8	1.10	8.90
10	3.1 2.9			5.72	8.82			8.3	1.06	9.36
11	3.7 3.5		B	5.65	9.35			8.3	1.06	9.36
12	3.7 3.5		B	5.65	9.35			8.5	10⅘	9.55
13	4.0 3.8	4.05 0 1	4.1	5.89	9.64			8.5	10⅘	9.55
14	4.1 3.9	4.20 1 1	4.3	5.56	9.76			8.7	1.04	9.74
15	4.1 3.9	4.20 1 1	4.3	5.56	9.76			8.7	1.04	9.74
16	5.0 4.8	5.05 0 1	5.1	5.40	10.45			9.3	1.04	10.34
17	5.5 5.3	5.50 0 0	5.5	5.33	10.83			9.8	1.06	10.86
18	6.0 5.8	5.95 0 1	5.9	5.26	11.21			9.9	1.06	10.96
19	6.3 6.1	6.50 2 2	6.7	5.20	11.70			⅁	.	.
20	6.9 6.7	6.85 1 0	6.8	5.16	12.01					
21	7.1 6.9	7.10 0 0	7.1	5.15	12.25					
22			7.7	5.17	12.87					
23			7.9	5.20	13.10					
24			8.1	5.21	13.31					
25			8.1	5.21	13.31					
26			8.3	5.24	13.54					
27			8.5	5.26	13.76					
28			8.7	5.28	13.98					

(10946)

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

1915phae.proj.1019L

Monday Dec. 13, 1915

Scale m MC 9344 (cont.

	Sc. 1	Sc. 2	Cw.	Magw
29		9.3	5.38	1468
30		9.5	5.41	1491
31		9.8	5.46	15.26
32		T		

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

1915phae.proj.1019L

Monday Dec. 13

Scale m	mc 9345 Sc 1	mc 9345 Sc 2	Pale	PC Sc 1	PC Sc 2
5	B			4.8 (50) 5.05 01	5.1
6	1.1 (1.3)			5.8 (60) 5.90 11	5.8
7	1.1 (1.3)			5.8 (60) 6.05 01	6.1
8	2.5 (2.7)				7.1
9	2.9 (3.1)				7.9
10	2.9 (3.1)				7.9 ~~8.3~~
11	3.5 (3.7)	B			8.5
12	3.7 (3.9) 4.10 22	4.3			8.7
13	4.7 (4.9) 4.90 00	4.9			9.5
14	5.1 (5.3) 5.30 00	5.3			9.7
15	5.7 (5.9) 5.85 10	5.8			9.9
16	6.1 (6.3) 6.40 11	6.5			
17	6.3 (6.5) 6.50 00	6.5			
18	6.8 (7.0) 7.05 01	7.1			
19		7.3			
20		7.7			
~~21~~					
~~22~~					
23		8.3			
~~24~~					
25		8.5			
26		8.9			
27		9.5			2.10
28		9.7			

See p. 78

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

1915phae.proj.1019L

Wednesday, Dec. 15, 1915

11.10

Scale R

Pleiades (Mc 9802) (Yellow) P.C.

	Sc.1	Sc2	Sc1		Sc2
1.			4.5		4.8
2.			5.5		5.8
3.			5.5		5.8
4			5.7		6.0
5	B		5.8		6.1
6			6.3		6.6
7	B		6.7		7.0
8			~~6.7~~ 7.8		8.1 B
9	B		~~7.9~~ 8.3	8.6	8.35 2 3 8.1
10	1.3	1.6	~~8.8~~		9.5
11	1.7	2.0	a		9.8
12	1.9	2.2			9.8
13	1.9	2.2			10.3
14	2.1	2.4			10.7
15	2.5	2.8			10.7
16	2.8	3.1			10.8
17	3.5	3.8			11.3
18	4.3	4.6			11.8
19	4.5	4.8			12.3 ~~R.5 T~~
20	4.7	5.0			12.3
21	4.8	5.1			12.5
22	5.3	5.6			12.7
23	5.5	5.8 B			12.9
24	5.7	6.0			12.9
25	5.8	6.1			13.1 ~~T~~
26	5.7 ~~5.5~~	6.0			13.3
27	7.5	7.8 B			13.7
28	8.3 8.6	8.45 2 1 8.3			F

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

1915phae.proj.1019L

~~Diff. Inter.~~ Mc 9802 cont

~~g~~ ~~h~~

P. C.

	~~Sc.1~~	~~Sc.2~~	~~Sc.1~~	~~Sc.2~~	Sc. 1	Sc. 2
29	6.7		7.0 B			12.8
30	8.8	9.1	8.90	8.7 ~~8.9~~		F
31	9.8	10.1	10.30	10.3		
32				11.5		
33				12.3 ~~12.1 F~~		
34				13.1 ~~F~~		
35				13.3		
36				F		
37						
38				F		
39						
40				8.35 8.1		
29a	8.3	8.6		~~B~~		13.7
32a				11.7		F
34a				12.9 ~~F~~		
35a				13.7 ~~F~~		

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

1915phae.proj.1019L

Wednesday, Dec. 15, 1915

Scale R Pleiades MC 9802 cont. Diff. Images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2	Mean	g PC Sc.1	g PC Sc.2	h Sc.1	h Sc.2	Mean
1.	1.9	2.2	1.9	2.2	2.20 ∘∘	8.8	9.1 8.95 1/2 8.8	8.8	9.1 8.95 1/2 8.8	8.95 1/2 1/2
2	2.7	3.0	2.9	3.2	3.10 ± 1		9.8		9.8	9.80 ∘∘
3	2.9	3.2	2.8	3.1	3.15 0 1		10.5		10.5	10.50 ∘∘
4	3.1	3.4 3.3	2.5	2.8	3.10 3 1/2		10.7		10.7	10.70 ∘∘
5	3.5	3.8	3.5	3.8	3.80 ∘∘		10.7		10.9	10.80 ± 1
6	3.7	4.0	3.1	3.4	3.70 3 1/2		10.9		11.1	11.00 ± 1
7	5.1	5.4	4.8	5.1	5.25 2 1		12.3		12.3	12.30 ∘∘
8	5.8	6.1	5.5	5.8	5.95 1 1/2		12.8		12.9	12.85 0 1
9	6.8	7.1 B	6.5	6.8 B	6.95 1 1/2		F		F	
10	7.7	8.0 B	7.7	8.0 B	8.00 ∘∘		F			
11	8.5	8.8	8.5	8.8	8.80 ∘∘∘∘					
12	8.8	9.1 8.9	8.5	8.8 8.9	8.92 2 0 ± 0					
13		9.3		9.5 →	9.40 ± 1					
14		9.8		9.8	9.80 ∘∘					
15		9.8 ~~F~~		9.9	9.85 0 1					
16		10.1		10.3	10.20 ± 1					
17		10.7		10.9	10.80 ± 1					
18		11.5		11.9 ~~12.1~~	11.70 ± 2					
19		12.3		12.3	12.30 ∘∘					
20		11.9		12.1	12.00 ± 1					
21		12.3		12.1	12.20 1 1					
22		12.5		12.3	12.40 1 1					
23		12.7		12.7	12.70 ∘∘					
24		12.8		12.8	12.80 ∘∘					
25		12.8		12.9	12.85 0 1					

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

1915phae.proj.1019L

	g		h		
	Sc1	Sc2	Sc1	Sc2	Mean
26	12.7		12.7		12.70 00
27	13.5		13.5		13.50 00
28	F		F		.
29	12.9		13.1		13.00 00

1.10

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

1915phae.proj.1019L

1.50

Wednesday, Dec. 22, 1915

Scale R M C 9802 Pleiades yellow

	Sc. 1	Sc. 2	Corr. to p. 86
32		10.9	+.6
33		11.7	+.6
34		12.8	+.3
35		13.5	-.2
36		Fl.	
37		Fl	
38		Fl	
22a		11.3	+.4
34a		12.7	+.2
35a		Fl	

P. C

	Sc. 1	Sc. 2	
25		12.8	+.3
26		12.9 ~~13.1~~	+.4
27		13.5	+.2
28		Fl	
29		13.3	+.5
30		Fl	

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

1915phae.proj.1019L

Wednesday, Dec. 22, 1915

mc 9802 cont.

Diff images

	g Sc.1	Sc.2	h Sc1 Sc2	
23	12.5	12.50 ° °	12.5	+.20
24	12.7	12.75 ° '	12.8	+.05
25	12.8	12.80 ° °	12.8	+.05
26	12.3	12.40 ± '	12.5	+.30
27	13.5	13.60 ± '	13.7	-.10
28	13.9	F		
29	12.7	12.75 ° '	12.8	+.25
30	F	F		

P.C.

	Sc1	Sc.2		Sc1 Sc2	
1	8.9	9.2	~~9.1~~ 9.1	9.1	+.18
2			10.9 10.40 ± '	10.5	+.60
3			10.5 10.50 ° °	10.5	.00
4			10.7 10.75 ± °	10.8	.05
5			10.8 10.80 ° °	10.8	.00
6			11.3 11.40 ± '	~~10.7~~ 11.5	+.40
7			11.9 12.00 ± '	~~12.3~~ 12.1	~~+.30~~
8			12.9 12.85 ± °	12.8	.00
9			13.5 13.40 ±	13.3	
10			F	F	

Sum corr. +4.78
ns. 24
mean corr. +.20

2.45

Rejist measures on frags 90 and 91, as no stars are included which are not measured before (on preceding frags)

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

1915phae.proj.1019L

~~10.50~~
11.40

Thursday, Dec. 30, 1915

Scale N R Z Cassiopeiae AI 12043

Corr - 0.4

		Sc B	Sc C		Diff.		Cw.	Magn
	a	5.3 5.7	5.5	5.40	⊥ 1	0.71	0.68	6.07
	b	6.1 6.5	5.8	5.95	1 2	0.53	0.63	6.58
	c	6.9 7.3	6.5	6.70	2 2	0.40	0.59	7.29
	d	7.1 7.5	6.8	6.95	1 2	0.67	0.57	7.52
	e	7.7 8.1	7.9	7.80	⊥ 1	062	0.47	8.27
	f	7.1 7.5	7.1	7.10	0 0	0.58	0.56	7.66
	g	7.9 8.3	7.9	7.90	0 0	0.20	0.46	8.36
+76°	163	5.9 6.3	6.1	6.00	⊥ 1	1.28	0.63	6.63
	189	8.1 8.5	7.7	7.90	2 2	0.56	046	8.36
	219	7.9 8.3	8.1	8.00	⊥ 1	0.44	044	8.44
+69°	180	8.1 8.5	8.3	8.20	⊥ 1	0.53	0.42	8.62
	205	6.1 6.5	5.9	6.00	1 ⊥	0.68	0.63	6.63

The diffrence in AI 12043, AI 12030, AI 13040, and AI 13146 are taken from Photometric Magnitudes corrected by 85 per cent of Kuiper's corrections for class of spectrum, which corresponds to the standard color equation, by which K stars have a color index of 1.00.

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

1915phae.proj.1019L

Thursday, Dec. 30, 1915

Scale N RZ Cass. aI 13746

		Sc. B	Sc. C			Diff	Cw	Magn
	a	5.1 5.5	5.5	5.30	2 2	0.81	0.75	6.05
	b	5.9 6.3	5.7	5.80	1 1	0.68	0.80	6.60
	c	6.4 6.8	6.1	6.25	2 1	0.85	0.80	7.05
	d	6.9 7.3	6.8	6.85	1 0	0.77	0.76	7.61
	e	7.7 8.1	7.8	7.75	1 0	0.67	0.67	8.42
	f	7.1 7.5	6.8	6.95	1 2	0.73	0.75	7.70
	g	7.5 7.9	~~6.8~~ 7.5	7.50	0 0	0.60	0.69	8.19
+70°	163	6.1 6.5	5.8	5.95	1 2	1.33	0.80	6.75
	189	7.5 7.9	7.5	7.50	0 0	0.96	0.69	8.19
	219	8.1 8.5	7.9	8.00	1 1	0.44	0.62	8.62
+69°	180	7.9 8.3	7.9	7.90	0 0	0.83	0.64	8.54
	205	5.9 6.3	5.8	5.85	1 0	0.83	0.80	6.65

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

1915phae.proj.1019L

Thursday, Dec. 30, 1915

Scale IV RZ Cars aI 12030

		Scale B	Sc. C		Diff	Cw	Magn
a		6.7 7.1	6.7	6.70 0 0	−0.59	−0.43	6.27
b		6.9 7.3	6.7	6.80 1 1	−0.32	−0.41	6.39
c		7.1 7.5	7.3	7.20 1 1	−0.10	−0.31	6.89
d		7.9 8.3	7.9	7.90 0 0	−0.28	−0.19	7.71
e		8.3 8.7	8.5	8.40 1 1	0.02	−0.15	8.25
f		7.7 8.1	7.7	7.70 0 0	−0.02	−0.22	7.48
g		8.1 8.5	8.5	8.30 2 2	−0.20	−0.15	8.15
	+70° 163	7.1 7.5	6.9	7.00 1 1	0.28	−0.36	6.64
	189	8.4 8.8	8.7	8.55 2 1	−0.09	−0.15	8.40
	219	8.8	8.9		−0.46	−0.13	8.77
	+69° 180		8.7		0.03	−0.14	8.56
	205	7.1 7.5	7.1	7.10 0 0	−0.42	−0.34	6.76

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

1915phae.proj.1019L

Thursday, Dec. 30, 1915

Scale no. RZ Cass. AI 13040

		Sc. B	Sc. C			Diff.	Cw.	Magn
	a	5.5 5.9	5.8	5.65	± 2	0.46	.	.
	b	6.7 7.1	6.5	6.60	± 1	-.012	0.12	6.72
	c	6.9 7.3	6.9	6.90	0 0	0.20	0.35	7.25
	d	7.1 7.5	7.1	7.10	0 0	0.52	0.45	7.55
	e	7.9 8.3	7.9	7.90	0 0	0.52	0.59	8.49
	f	7.3 7.7	6.8	7.05	3 2	0.63	0.42	7.47
	g	7.5 7.9	7.7	7.60	± 1	0.50	0.57	8.17
+71°	163	6.5 6.9	6.3	6.40	± 1	0.88	-.003	6.37
	189	7.5 7.9	7.8	7.65	± 2	0.81	0.58	8.23
	219	7.9 8.3	8.1	8.00	± 1	0.44	0.59	8.59
+69°	180	8.1 8.5	7.9	8.00	± 1	0.73	0.59	8.59
	205	6.5 6.9	6.5	6.50	0 0	0.18	0.05	6.55

1.00

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

1915phae.proj.1019L

10.35 Thursday, Jan. 6, 1916 Sheet No 257

Scale m MC 9603 Pole Series 572

Diff.		Sc.1	Sc.2	MC 9608 fw108				Sc.1	P.C	Sc.2	9608 fw108			Diff.
.	5	B		B	.			4.7 4.5	4.90 2 2	5.1	4.95	4.92	02 03	157
5.60	6	1.5 1.3		15	1.50	0	0	5.9 5.7	5.90 0 0	5.9	5.75	5.82	08 07	129
5.61	7	1.7 1.5						6.1 5.9	6.10 0 0	6.1	~~7.10~~	6.10	2 .	121
5.53	8	2.7 2.5		2.7	2.70	0	0			7.3	7 8.10	7.20	10 10	103
5.78	9	3.1 2.9		3.0	3.05	1	0			8.3	8 1 8.20	8.20	1 1	063
5.72	10	3.5 3.3 ~~2.9~~		3.1	3.30	2	2			8.7	8.8	8.60	1 1	042
5.65	11	3.9 3.7	B	3.9	3.90	0	0			8.7	8.8	8.75	1 0	080
5.66	12	4.3 4.1 4.30 0 0	4.3 B	4.10	4.20	10	10			9.5	9.3	9.40	1 1	046
5.32	13	5.0 4.8 5.05 0 1	5.1	4.90	4.98	07	08			9.9	9.7	9.80	1 1	050
5.30	14	5.5 5.3 5.50 0 0	5.5	5.20	5.35	15	15			9.9	F	9.90	2 .	075
5.00	15	6.3 6.1 6.20 1 1	6.1	5.95	6.08	12	13			F	.	.		.
4.75	16	6.7 6.5 6.60 1 1	6.5	6.70	6.65	05	05							
4.75	17	7.0 6.8 6.85 2 1	6.7	6.90	6.88	03	02							
4.76	18		7.3	7.3	7.30	0	0							
4.82	19		7.5	7.7	7.60	1	1							
4.73	20		8.1	7.9	8.00	1	1							
4.84	23		8.5	8.5	8.50	0	0							
4.92	25		8.8	9.1	8.95	2	1							
4.83	26		9.5	9.5	9.50	0	0							
4.79	27		9.9	9.9	9.90	0	0							
.	28		F	7	.		.							

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

1915phae.proj.1019L

MC 9603 Pole — Diff Images

	g Sc1	g Sc2	r Sc1	r Sc2		9608 / 7-109		Diff
5	4.9 (5.1 5.7 5.75 10)	5.1	4.5 (4.7 4.80 11)	4.9 (5.7 5.70 00)	4.95 15 15	4.80	4.88 07 08	+1.61
6	5.5	5.8 (5.9 5.80 11)	5.5	5.7 (5.7 5.60 11)	5.72 03 02	5.65	5.68 04 03	+1.43
7	5.7 (6.9 6.90 00)	5.7	5.5 (7.1 7.10 00)	5.5	5.70 10 10	"	5.70 ≈ "	+1.61
8	6.7	6.9	6.9	7.1	7.00 10 10	7.10	7.05 05 05	+1.18
9	7.7 (7.70 00)		7.7			7.80	7.75 05 05	+1.08
10	8.1 (7.70 2?)		7.7			8.20	8.05 15 15	+0.97
11	8.5 (8.50 00)		8.5			8.50	8.50 00 00	+1.05
12	8.8 (8.85 01)		8.9			8.85	8.85 00 00	+1.01
13	9.5 (9.40 11)		9.3			9.30	9.35 05 05	+0.95
14	9.7 (9.70 00)		9.7			9.85	9.78 08 07	+0.87
15	F		F			9.9	9.90 ≈	+1.18
						7.	"	"

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

1915phae.proj.1019L

Copied B 8: 106–

Thursday, Jan 6, 1916

Card.

Ser. 572.

Scale m MC 9604 . D2 . 3 0 – 15.0 Alt – 18

	Sc 1	Sc 2	Cu.	Magn	Sc 1	P.C	Sc 2	Cu.	Magn
	2.0				6.5				
1	1.8		5.64	7.64	6.3	650 0 0	6.5	1.13	7.63
2	2.5 2.3		5.66	8.16	7.0 6.8	705 0 1	7.1	0.98	8.03
3	2.1 1.9		5.64	7.74	6.5 6.3	650 0 0	6.5	1.13	7.63
4	2.5 2.3		5.66	8.16			7.3	0.92	8.22
5	2.5 2.3		5.66	8.16			7.3	0.92	8.22
6	2.7 2.5		5.67	8.37			7.9	0.77	8.67
7	3.0 2.8		5.68	8.68			8.1	0.72	8.82
8	2.7 2.5		5.67	8.37			7.9	0.77	8.67
9	3.1 2.9		5.68	8.78			8.5	0.64	9.14
10	3.7 3.5		5.65	9.35			8.7	0.61	9.31
11	3.5 3.3		5.66	9.16			9.1	0.57	9.67
12	3.9 3.7	B	5.63	9.53			9.1	0.57	9.67
13	4.0 3.8 405 0 1	4.1	5.60	9.65			9.3	0.57	9.87
14	4.7 4.5 480 1 1	4.9	5.40	10.20			9.9	0.63	10.53
15	5.7 5.5 570 0 0	5.7	5.10	10.80			F	.	.
16	5.5 5.3 550 0 0	5.5	5.15	10.65					
17	5.7 5.5 575 1 0	5.8	5.08	10.83					
17a	6.5 6.3 665 1 2	6.8	4.88	11.53					
18	7.0 6.8 685 2 1	6.7	4.84	11.69					
19	7.1 6.9 700 1 1	6.9	4.83	11.83					
20		7.3	4.80	12.10					
21		7.7	4.80	12.50					
22		8.3	4.80	13.10					
23		8.3	4.80	13.10					
24		8.7	4.80	13.50					
25		8.8	4.80	13.60					
26		8.9 7.7	4.80	13.70					
27		9.7	4.82	14.52					

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

1915phae.proj.1019L

Thursday, Jan 6, 1916

Ser. 572

mc 96.04 Diffraction Images

	g Sc.1	g Sc.2	n Sc.1	n Sc.2		Cu.	Magn.
1	6.5	6.5	6.3	6.3	6.50 10 10	1.27	7.77
2	6.7	6.9	6.5	6.8	6.82 08 07	1.20	8.02
3	5.5	5.7	5.5	5.7	5.70 00 00	1.44	7.14
4	6.9	7.1	6.7	7.1	7.05 05 05	1.16	8.21
5	6.5	6.9	6.7	6.9	6.85 05 05	1.20	8.05
6	7.5	7.7				1.08	8.68
7	7.8	7.5				1.07	8.72
8	7.5	7.7				1.08	8.68
9	8.5	8.3				0.99	9.39
10	8.9	8.7				0.97	9.77
11	8.9	8.9				0.96	9.86
12	9.3	9.3				0.96	10.26
13	9.5	9.5				0.96	10.46
14	9.9	9.9				0.98	10.88

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

1915phae.proj.1019L

Thursday, Jan. 6, 1916

MC 9604 cont,

28	9.5	482	14.32
29	9.9	483	14.73
30	7	.	.

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

1915phae.proj.1019L

Thursday, Jan 6, 1916

~~ME~~

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

1915phae.proj.1019L

Copied B 10, 147

Thursday, Jan 6, 1916 Ser. 572 Card.

MC 9605 Carte 3 00 — 16.5 Alt -.24

	Sc.1	Sc 2	Cu.	Magn	Sc.1	PC	Sc. 2	Cu	Magn
	1.9				6.5				
1	1.7		5.63	7.53	6.3	6.50 00	6.5	1.13	7.63
2	31 2.9	B	5.68	8.78			8.9	0.59	9.49
3	39 3.7 400 L'	4.1	5.61	9.61			9.5	0.58	10.08
4	47 4.5 480 L'	4.9	5.40	10.20			9.8	0.61	10.41
5	57 5.5 5.70 00	5.7	5.10	10.80			T1	.	.
6	53 5.1 5.40 L'	5.5	5.19	10.59			T1	.	.
7	69 6.7 6.85 1 0	6.8	484	11.69					
8	70 6.8 7.05 0 1	7.1	482	11.87					
9	71 6.9 7.10 00	7.1	4.82	11.92					
10		7.3	4.80	12.10					
11		7.3	4.80	12.10					
12		8.1	4.80	12.90					
13		7.8	4.80	12.60					
14		8.3	4.80	13.10					
15		8.5	4.80	13.30					
16		8.9	4.80	13.70					
17		9.1	4.81	13.91					
18		9.5	4.82	14.32					
19		9.7	4.82	14.52					
20		9.9	4.84	14.74					

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

1915phae.proj.1019L

Thursday, Jan 6, 1916

MC 9605 Diff Images

	Sc 1	Sc 2	Sc 1	Sc 2	Cw	Magn
1	6.5	6.7	6.5	6.5	1.23	7.88
2		8.5		8.5	0.99	9.49
3		9.3			0.96	10.26
4		9.5		9.7	0.96	10.56
5	F		F		.	.
6	F		F		.	.

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

1915phae.proj.1019L

Copied B 10: 123

Thursday, Jan. 6, 1916 Card

Ser. 572.

Scale mm MC 9606 Carte 3 00 – 2.5 Alt +02

	Sc. 1	Sc. 2	Cu	Magn	Sc. 1	P.C	Sc. 2		Cu.	
1	3.1 2.9	B	568	8.78			~~7.9~~	8.1	0.73	8.83
2	4.0 3.8 4.05 01	4.1	5.60	9.65			9.5		0.58	10.08
3	4.7 4.5 4.90 2 2	5.1	5.36	10.26			9.9		0.64	10.54
4	5.9 5.7 5.85 1 0	5.8	5.06	10.91	Fi		Fi		.	.
5	6.3 6.1 6.20 1 1	6.1	4.96	11.16						
6		7.5	480	12.30						
7		8.1	480	12.90						
8		8.3	480	13.10						
9		8.5	480	13.30						
10		9.1	481	13.91						
11		9.3	481	14.11						
12		9.5	482	14.32						
13		9.7	483	14.53						

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

1915phae.proj.1019L

Thursday, Jan. 6, 1916

Scale m MC 9606 Diff. Images

	g Sc.1	Sc.2	h Sc1&2		
		8.3			
1	~~9.1~~ 8.30	00	8.3	1.00	9.30
2	9.1	9.10 00	9.1	0.96	10.06
3	9.3	9.30 00	9.3	0.96	10.26
4	~~9.9~~ F		F	.	.
5	F		F	.	.

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

1915phae.proj.1019L

Copied B 10: 178

Card.

Thursday, Jan. 6, 1916

Ser 572.

Scale m MC 9607 Carte 3 00 + 25.0 Alt +21

	Sc.1	Sc.2	Cw.	Magn	Sc.1	PC	Sc.2	Cw.	
1	2.7 (2.9)	B	5.68	8.58			7.8	0.79	8.59
2	3.5 (3.7)	B	5.65	9.35			7.9	0.77	8.67
3	4.3 (4.5) 4.50 00	4.5	5.49	9.99			9.3	0.57	9.87
4	5.5 (5.7) 5.80 1 1	5.9	5.06	10.86			F	.	.
5	5.7 (5.9) 5.80 1 1	5.7	5.06	10.86					
6	6.3 (6.5) 6.60 1 1	6.7	4.89	11.49					
7	6.9 (7.1) 7.10 00	7.1	4.62	11.92					
8		7.3	4.80	12.10					
9		7.5	4.80	12.30					
10		7.8	4.80	12.60					
11		8.3	4.80	13.10					
12		8.3	4.80	13.10					
13		8.5	4.80	13.30					
14		8.9	4.80	13.70					
15		9.3	4.81	14.11					
16		9.3	4.81	14.11					
17		9.5	4.82	14.32					
18		9.5	4.82	14.32					
19		9.7	4.83	14.53					
20		9.8	4.84	14.64					

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

1915phae.proj.1019L

Thursday, Jan 6, 1916

Scale m MC 9607 Carte Diffraction Images

	g Sc 1	Sc 2	H Sc 1	Sc 2	Cu	Magn
1	7.8	7.75° 0'		7.7	1.06	8.81
2	7.9	7.90° 0°		7.9	1.04	8.94
3	8.9	8.90° 0°		8.9	0.96	9.86
4	9.9	9.80° 1'		9.7	0.97	10.77
5	F					

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

1915phae.proj.1019L

Thursday, Jan. 6, 1916

Scale m · MC 9608 Pole

	Sc.1		Sc 2	Sc.1	PC	Sc 2
5	B			5.0 4.8	49S 0 E	4.9
6	1.5 1.3			5.7 5.5	57S E 0	5.8
8	2.7 2.5			7.1 6.9	71 00	7.1
9	3.0 2.8					8.1
10	3.1 2.9		B			8.5
11	3.9 3.7		B			8.8
12	4.1 3.9	41° 00	4.1			9.3
13	4.9 4.7	49° 00	4.9			~~A~~ 9.7
14	5.1 4.9	52° E 1	5.3			F
15	6.0 5.8	59S 0 E	5.9			
16	6.7 6.5	67° 00	6.7			
17	6.9 6.7	69° 00	6.9			
18			7.3			
19			7.7			
20			7.9			
23			8.5			
25			9.1			
26			9.5			
27			9.9			
28			F			

See Jp. 96

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

1915phae.proj.1019L

Thursday, Jan. 6, 1916

mc 9608

	g Sc 1	g Sc 2	h Sc 1	h Sc 2	
	49	490 00	47	47000	
5	4.7	4.9	4.5	4.7	480 10 10
	57	570 00	55	560 11	
6	5.5	5.7	5.3	5.7	565 05 05
7					
	7.1	710 00	7.1	710 00	
8	6.9	7.1	6.9	7.1	710 00 00
9	7	7.8	480 00	7.8	
10		8.3	820 11	8.1	
11		8.5	850 00	8.5	
12		8.8	885 01	8.9	
13		9.3	930 00	9.3	
14		9.8	985 01	9.9	
15		9.9	F		
16		F			

Diff Images

PC

g Sc 1	g Sc 2	h Sc 1	h Sc 2
	85		

1.20

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

1915phae.proj.1019L

11.05

Saturday, Jan. 15, 1916

Sheet No 257

Ser. 407

Scale m mc 7292 Pole P.C.

	Sc.1	Sc2	mc 7297 ft 115		Diff		Sc.1		Sc.2	7297 ft 115		Diff	
5	B		.	.	.		4.3	4.5 0 0	4.5	4.40	4.45	05	05 2.04
6	B		.	.	.		5.5	5.7 0 0	5.7	5.00	5.35	35	35 1.76
8	1.9	2.1	2.0	2.05	1	0	6.18	6.5 6 7 0 0	6.7	6.50	6.60	10	10 1.63
9	2.3	2.5	2.7	2.60	1	1	6.23		7.3	7.10	7.20	10	10 1.63
10	2.5	2.7	2.7	2.70	0	0	6.32		7.5	7.3	7.40	1	1 1.62
11	3.1	3.3	3.1	3.20	1	1	6.35		7.9	8.1	8.00	1	1 1.55
12	3.3	3.5	3.7	3.60	1	1	6.26		8.3	8.5	8.40	1	1 1.46
13	3.8	4.0	4.0	4.02	03	02	6.28	4.05 0 1 4.1	8.8	8.8	8.80	00	1.50
14	4.7	4.9	4.40	4.65	25	25	6.00	4.90 0 0 4.9	8.9	9.3	9.10	2	2 1.55
15	4.9	5.1	5.05	5.12	08	07	5.96	5.20 1 1 5.3	9.5	9.3	9.40	1	1 1.68
16	5.5	5.7	5.60	5.65	05	05	5.75	5.70 0 0 5.7	9.7	9.7	9.70	00	1.70
17	5.8	6.0	5.75	5.82	08	07	5.81	6.90 1 1 5.8	9.9	.	9.9	a=	1.73
18	6.3	6.5	6.50	6.50	00	00	5.56	6.50 0 0 6.5					
19	6.5	6.7	7.00	6.90	10	10	5.52	6.80 1 1 6.9					
20	6.9	7.1	7.3	7.25	05	05	5.48	7.20 1 1 7.3 6.7					
~~21~~													
~~22~~													
23	7.8		7.8	7.80	0	0	5.54						
25	8.3		8.5	8.40	1	1	5.47						
26	8.5	→	8.7	8.60	1	1	5.73						
27	9.1		8.9	9.00	1	1	5.69						
28	9.3		9.3	9.30	0	0	5.81						
29	9.7		9.8	9.75	1	0	5.91						

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

1915phae.proj.1019L

Copied B 10:137

Saturday, Jan 15, 1916

Ser. 407

Cand.

Scale m MC 7293 Carte 6 0–10.0 PC Alt –07

	Sc.1	Sc.2	Cw.	Magn	Sc.1		Sc.2	Cw.	Magn
1	27 2.5		6.27	8.97	6.7 6.5	6.75 L0	6.8	1.62	8.37
2	33 3.1		6.29	9.59			7.5	1.58	9.08
3	35 3.3		6.26	9.76			7.8	1.54	9.34
4	37 3.5		6.25	9.95			7.9	1.55	9.45
5	39 3.7		6.21	10.11			8.5	1.54	10.04
6	43 4.1	4.5	6.10	10.50			8.8	1.56	10.36
7	45 4.3	4.5	6.07	10.57			8.9	1.56	10.46
8	55 5.3	5.5	5.81	11.31			9.3	1.61	10.91
9	~~4.9~~ 5 61	6.1	5.66	11.76			9.7	1.70	11.40
10	57 5.5	6.1	5.71	11.61					
11	65 6.3	6.5	5.59	12.09					
12	67 6.5	6.5	5.57	12.17					
13	~~6.7~~ 6 69	6.9	5.53	12.43					
14		7.5	5.49	12.99					
15		7.5	5.49	12.99					
16		8.3	5.57	13.87					
17		8.3	5.57	13.87					
18		8.7	5.64	14.34					
19		9.3	5.80	15.10					
20		9.8	5.93	15.73					

4.5 4.40 L1

4.5 4.50 0 0

5.5 5.50 0 0

6.1 6.10 0 0

6.1 5.90 2 2

6.5 6.50 0 0

6.5 6.60 1 L

6.9 6.90 0 0

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

1915phae.proj.1019L

Copied B 10:113

Card.

Saturday, Jan. 15, 1916

Ser 407

Scale m MAC 7294 Carte 60+5.0 PC Alt +.11

	Sc.1		Sc.2	Cu.	Magn	Sc.1		Sc.2	Cu	Magn
1	27 2.5			6.27	8.97			7.3	1.69	8.89
2	31 2.9			6.30	9.40			7.5	1.68	9.08
3	35 3.3			6.26	9.76			8.1	1.54	9.64
4	37 3.5			6.25	9.95			8.3	1.54	9.84
5	39 3.7		B	6.22	10.12			8.5	1.54	10.04
6	39 3.7	4.00 1 1	4.1	6.19	10.19			8.5	1.54	10.04
7	45 4.3	4.50 0 0	4.5	6.07	10.57			9.1	1.59	10.69
8	55 5.3	5.50 0 0	5.5	5.81	11.31			9.3	1.61	10.91
9	63 6.1	6.30 0 0	6.3	5.62	11.92			9.9	1.74	11.64
10	70 6.8	6.90 1 1	6.8	5.53	12.43					
11	71 6.9	7.10 0 0	7.1	5.51	12.61					
12	70 6.8	7.05 0 1	7.1	5.51	12.56					
13			7.5	5.49	12.99					
14			7.7	5.49	13.19					
15			8.1	5.53	13.63					
16			8.1	5.53	13.63					
17			8.5	5.60	14.10					
18			8.8	5.66	14.46					
19			9.2	5.80	15.10					
20			9.8	5.93	15.73					

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

1915phae.proj.10191

Cards. Copied 9:80

Saturday, Jan. 15, 1916 Ser. 407 Alt +18

Scale m mc 7295 RZ geminorum c 6 0+20.0

	Sc.1		Sc.2	Cw	Magn	Sc.1		Sc.2	Cw.	Magn
	3.7									
a	3.5			6.25	9.95			7.9	1.55	9.45
	3.5									
b	3.3			6.28	9.58			8.1	1.54	9.64
	4.1									
c	3.9	4.20	1.1	4.3	6.15	10.35		8.5	1.54	10.04
	4.5									
d	4.3	4.50	0.0	4.5	6.07	10.57		8.9	1.56	10.46
	5.9									
e	5.7	5.85	1.0	5.8	5.72	11.57		9.5	1.66	11.16
	6.1									
e'	5.9	6.00	1.1	5.9	5.68	11.68				
	6.7									
f	6.5	6.75	1.0	6.8	5.54	12.29				
	7.1									
g	6.9	7.10	0.0	7.1	5.51	12.61				
h				7.5	5.49	12.99				
k				7.9	5.51	13.41				
l				8.3	5.57	13.87				
m				8.3	5.57	13.87				
n				8.5	5.60	14.10				
o				8.9	5.68	14.58				
p				9.3	5.80	15.10				
q				9.5	5.85	15.35				

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

1915phae.proj.1019L

+.21

Saturday, Jan. 15, 1916

DM

Scale M MC 7296 ~~Carte~~ 6_0 +55.0 PC Ser. 407 · Card.

	Sc.1		Sc.2	Cw.	Magn	Sc.1		Sc.2	Cw	
1	2.5 2.3			6.26	8.76			7.3	1.59	8.89
2	3.1 2.9			6.30	9.40			8.1	1.54	9.64
3	3.9 3.7			6.22	10.12			8.7	1.55	10.25
4	5.1 4.9	5.80	1.1	5.88	11.08			9.5	1.65	11.15
5	5.5 5.3	5.50	0.0	5.81	11.31			9.9	1.74	11.64
6	6.1 ~~6.1~~ 5.9	6.00	1.1	5.68	11.68			~~7~~	.	.
7	6.1 5.9	6.10	0.0	5.66	11.76					
8	7.0 6.8	7.05	0.1	5.51	12.56					
9	7.1 6.9	7.10	0.0	5.51	12.61					
10			7.3	5.50	12.80					
11			7.5	5.49	12.99					
12			8.5	5.61	14.11					
13			8.3	5.57	13.87					
14			~~8~~ 8.5	5.61	14.11					
15			8.5	5.61	14.11					
16			8.9	5.69	14.59					
17			8.9	5.69	14.59					
18			9.3	5.80	15.10					
19			9.5	5.85	15.35					
20			9.7	5.89	15.59					

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

1915phae.proj.1019L

Saturday, Jan 15, 1916

Scale m

MC 7297 Pole

	Sc 1	Sc 2
5	B	
6	B	
8	2.0 1.8	
9	2.4 2.5	
10	2.7 2.5	
11	3.1 2.9	
12	3.7 3.5	
13	4.0 3.8	B
14	4.5 4.3 4.40 1 1	4.3
15	5.0 4.8 5.05 0 1	5.1
16	5.7 5.5 5.60 1 1	5.5
17	5.7 5.5 5.75 1 0	5.8
18	6.5 6.3 6.50 0 0	6.5
19	7.1 6.9 7.00 1 1	6.9
20		7.3
23		7.8
25		8.5
26		8.7
27		8.9
28		9.3
29		9.8

PC

Sc 1		Sc 2
4.3 4.1	4.40 1 1	4.5
4.9 4.7	5.00 1 1	5.1
6.5 6.3	6.50 0 0	6.5
7.1 6.9	7.10 0 0	7.1
		7.3
		8.1
		8.5
		8.8
		9.3
		9.3
		9.7

12.40

See p 110

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

1915phae.proj.1019L

12.15 Monday, Jan. 17, 1916 Sheet No 257

Scale m MC 7297 Pole Sec. 407

	Sc.1		Sc.2	mc 7303 Pr 122		Diff	Sc.1	P.C	Sc.2	7303 Pr 122		Diff
5	B			. .			4.1 (4.3)	4.40 1 1	4.5	4.40	4.40 00 00	2.09
6	B			. .			5.3 (5.5)	5.50 00	5.5	5.30	5.40 10 1 0	1.71
8	1.9 (2.1)			2.1	2.10 0 0	6.13	6.7 (6.7) 6.5	6.60 1 1	6.5	6.40	6.50 10 1 0	1.73
9	2.5 (2.7)			2.7	2.70 0 0	6.13			7.3	7.3	7.30 0 0	1.53
10	2.5 (2.7)			2.7	2.70 0 0	6.32			7.5	7.3	7.40 1 1	1.62
11	3.1 (3.3)			3.1	3.20 1 1	6.35			8.3	8.1	8.20 1 1	1.35
12	3.3 (3.5)			3.5	3.50 0 0	6.36			8.5	8.3	8.40 1 1	1.46
13	3.8 (4.0)		B	4.0	4.00 0 0	6.30			8.8	8.9	8.85 0 1	1.45
14	4.3 (4.5)	4.40 1 1	4.3	4.40	4.40 00 00	6.25			9.3	9.3	9.30 00	1.35
15	4.7 (4.9)	5.10 2 2	5.3	4.95	5.02 08 07	6.06			9.5	9.5	9.50 00	1.58
16	5.3 (5.5)	5.50 00	5.5	5.50	5.50 00 00	5.90			9.7	9.8	9.75 1 0	1.65
17	5.8 (6.0)	5.85 2 1	5.7	5.70	5.78 07 08	5.85			F	7		
18	6.5 (6.7)	6.60 1 1	6.5	6.90	6.75 15 15	5.31						
19	6.7 (6.9)	7.00 1 1	7.1	7.10	7.05 05 05	5.37						
20			7.3	7.3	7.30 0 0	5.43						
23			7.8	7.7	7.75 0 1	5.59						
25	8.3 →		8.5	8.5	8.40 1 1	5.47						
26			8.9	8.7	8.80 1 1	5.53						
27			9.3	9.1	9.20 1 1	5.49						
28			9.5	9.3	9.40 1 1	5.71						
29			9.8	9.7	9.75 0 1	5.91						

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

1915phae.proj.10191

Card.

Monday, Jan. 17, 1916

DM

Ser. 407

Scale m MC 7298 ~~Carte~~ 7 0 – 5.0 pc

	Sc.1		Sc 2	Cw.	Magn	Sc.1		Sc 2	Cw.	Magn
	2.5					7.1	7.10 00			
1	2.3			6.22	8.72	6.9		7.1	1.55	8.65
	2.7									
2	2.7			6.30	9.20			7.8	1.48	9.28
	3.5									
3	3.5		B	6.34	10.04			8.3	1.44	9.74
	3.7									
4	3.7		B	6.31	10.21			8.8	1.44	10.24
	4.0									
5	3.8	4.05 01	4.1	6.29	10.34			9.1	1.48	10.58
	5.5									
6	5.3	5.50 00	5.5	5.88	11.38			n.s	,	,
	5.5									
7	5.3	5.50 00	5.5	5.88	11.38			9.7	1.59	11.29
	5.9									
8	5.7	6.00 01	6.1	5.70	11.70					
	6.5									
9	6.3	6.50 00	6.5	5.58	12.08					
	7.0									
10	6.8	6.95 01	6.9	5.49	12.44					
	7.1									
11	6.9	7.10 00	7.1	5.46	12.56					
	7.1									
12	6.9	7.10 00	7.1	5.46	12.56					
13			7.9	5.45	13.35					
14			7.5	5.44	12.94					
15			8.5	5.51	14.01					
16			8.7	5.54	14.24					
17			8.7	5.54	14.24					
18			8.9	5.55	14.45					
19			9.3	5.65	14.95					
20			9.5	5.73	15.23					

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

1915phae.proj.1019L

Monday, Jan. 17, 1916

+.05'

Ser. 407 Card.

Scale mi MC 7299 7 0 0.0

	Sc.1		Sc.2	Cu.	Magn	Sc.1	PC	Sc.2	Cu	Magn
	2.0					6.3				
1.	1.8			6.09	8.09	6.1	6.30 0 0	6.3	1.58	7.88
2	2.7 2.5			6.26	8.96			7.3	1.52	8.82
3	3.0 2.8			6.31	9.31			8.1	1.45	9.55
4	3.5 3.3		B	6.34	9.84			8.3	1.44	9.74
5	5.0 4.8	5.05 0 1	5.1	6.02	11.07			8.9	1.45	10.35
6	5.7 5.5	5.75 1 0	5.8	5.80	11.55			9.8	1.65	11.45
7	5.5 6.3	5.90 4 4	6.3	5.75	11.65			J.P	.	.
8	6.7 6.5	6.70 0 0	6.7	5.53	12.23					
9			7.3	5.44	12.74					
10			7.3	5.44	12.74					
11			7.8	5.45	13.25					
12			8.2	5.48	13.68					
13			8.1	5.47	13.57					
14			8.3	5.50	13.80					
15			8.5	5.51	14.01					
16			8.7	5.54	14.24					
17			9.1	5.61	14.71					
18			9.5	5.73	15.23					
19			9.5	5.73	15.23					
20			9.9	.	.					

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

1915phae.proj.1019L

Carter Cofnid B 10:101

Monday, Jan. 17, 1916

Card.

Ser. 407

Scale m NGC 7300 Carter & Can Min. Y 0 + 10.0 Alt +14

	Sc 1	Sc 2	Cu.		Sc 1	PC	Sc 2	Cu.	Magn
1	1.5 1.3		.	.	6.1 5.9	6.10 00	6.1	1.70	780
2	2.5 2.3		6.22	8.72			7.3	152	8.82
3	3.3 3.1		6.33	9.63			8.1	145	9.55
4	3.3 3.1	B	6.33	9.63			8.5	143	993
5	5.5 5.3	550 00	5.5	5.88	11.38		9.5	1.54	11.04
6	6.7 6.5	680 1.1	6.9	5.50	12.30		9.5	1.54	11.04
7	6.9 6.7	700 1.1	7.1	5.48	12.48		J.P	.	.
8			7.5	5.44	12.94				
9			8.3	5.50	13.80				
10			8.7	5.50	14.20				
11			8.7	5.50	14.20				
12			9.1	5.60	14.70				
13			9.3	5.65	14.95				
14			9.5	5.73	15.23				
15			9.8	5.88	15.68				

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

1915phae.proj.1019L

Card.

Mon. Jan. 17, 1916

+18

Ser. 407

Scale m MC 7301 7 0+20.0

	Sc.1	Sc.2	Cu.	Magn	Sc.1	PC	Sc.2	Cu.	Magn
1.	17 1.5		.	.	70 6.8	695 0 1	6.9	1.57	8.52
2	19 1.7		.	.			7.3	1.52	8.82
3	31 2.9		6.32	9.42			8.1	1.45	9.56
4	31 2.9		6.32	9.42			8.3	1.44	9.74
5	35 3.3	B	6.34	9.84			8.5	1.44	9.94
6	41 3.9 410 0 0	4.1	6.28	10.38			9.1	1.48	10.58
7	45 4.3 465 1 7	4.8	6.15	10.80			9.7	1.59	11.29
8	60 5.8 595 0 1	5.9	5.72	11.67			9.9	1.65	11.58
9	60 5.8 585 2 1	5.7	5.77	11.62					
10.	61 5.9 610 0 0	6.1	5.67	11.77					
11.	70 6.8 695 0 1	6.9	5.49	12.44					
12.		7.3	5.44	12.74					
13		7.8	5.44	13.24					
14		8.3	5.50	13.80					
15		8.3	5.50	13.80					
16		8.3	5.50	13.80					
17		8.5	5.51	14.01					
18		9.3	5.65	14.95					
19		9.5	5.74	15.24					
20		9.7	5.84	15.54					

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

1915phae_proj_10191

Copied B 10:77

Monday, Jan. 17, 1916

Card

Scale m MC 7302 Carte 7 0+25.0 Sec. 407 Alt +19

	Sc.1		Sc.2	Cu	Magn	Sc.1	PC	Sc.2	Cu	Magn
						6.5				
1	1.3			.	.	6.3	640 1 1	6.3	1.68	7.98
2	2.3			6.23	8.73			7.3	1.52	8.82
3	2.8			6.31	9.31			7.5	1.50	9.00
4	3.7		B	6.31	10.21			8.5	1.43	9.93
5	4.3	4.50 0 0	4.5	6.19	10.69			9.3	1.50	10.80
6	4.7	4.90 0 0	4.9	6.07	10.97			9.5	1.53	11.03
7	5.3	5.50 0 0	5.5	5.88	11.38			9.8	1.62	11.42
8	5.7	5.90 0 0	5.9	5.75	11.65					
9	5.8	5.85 2 1	5.7	5.77	11.62					
10	6.5	6.60 1 1	6.5	5.55	12.15					
11	6.9	7.10 0 0	7.1	5.47	12.57					
12	6.9	7.10 0 0	7.1	5.47	12.57					
13			7.3	5.44	12.74					
14			7.3	5.44	12.74					
15			7.7	5.44	13.14					
16			8.3	5.50	13.80					
17			8.3	5.50	13.80					
18			8.7	5.54	14.24					
19			9.5	5.74	15.24					
20			9.7	5.82	15.52					

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

1915phae.proj.1019L

Monday, Jan. 17, 1916

Scale m ~~7303~~ MC 7303 Pole

	Sc.1		Sc 2	Sc.1	P.C.	Sc 2	
5	B			4.5 4.3	4.40 1 1/2	4.3	
6	B			5.3 5.1	5.30 0 0	5.3	
8	2.1 1.9			6.5 6.3	6.40 1 1/2	6.3	
9	2.7 2.5					7.3	
10	2.7 2.5		B			7.7	
11	3.1 2.9					7.1	Assumed to be 8.1
12	3.5 3.3					8.3	
13	4.0 3.8		B			8.9	
14	4.5 4.3	4.40 1 1/2	4.3			9.3	
15	5.1 4.9	4.95 1 1/2	4.8			9.5	
16	5.5 5.3	5.50 0 0	5.5			9.8	
17	5.7 5.5	5.70 0 0	5.7				
18	7.0 6.8	6.90 1 1/2	6.8				
19	7.1 6.9	7.10 0 0	7.1				
20			7.3				
23			7.7				
25			8.5				
26			8.7				
27			9.1				
28			9.3				
29			9.7				

2.05

Sec 116

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

1915phae.proj.1019L

Sheet No. 258

Monday, January 24, 1916

1.40

Scale R R MC 9924 Pole Series mc 596

	Sc.1	Sc.2	mc 9929 p 133	Diff	Sc.1	PC	Sc.2	9929 p 133		Diff
5	1.8 1.5		1.6	1.70 1 1	4.79	8.4 8.1	8.35 0 1	8.3	7.8	8.08 27 28 - 1.59
6	2.4 2.1		2.2	2.30 1 1	4.81	8.8 8.5	8.65 2 1	8.5	8.75	8.70 05 05 - 1.59
8	3.8 3.5		4.1	3.95 2 1	4.28			10.5	10.5	10.50 0 0 - 2.27
9	5.2 4.9 ~~5.9~~		5.2	5.20 0 0	3.63			11.3	10.9	11.10 2 2 - 2.27
10	5.2 4.9		5.2	5.20 0 0	3.82			11.5	11.3	11.40 1 1 - 2.38
11	5.8 5.5		5.6	5.70 1 1	3.85			12.5	12.3	12.40 1 1 - 2.85
12	6.4 6.1		6.1	6.25 2 1	3.61			12.5	12.5	12.50 0 0 - 2.64
13	7.0 6 7.7		7.1	7.05 0 1	3.25			12.7	13.1	12.90 2 2 - 2.60
14	7.6 7.3		7.8	7.70 1 1	2.95			13.3	13.3	13.30 0 0 - 2.65
15	8.1 7.8	B	8.05	8.08 02 03	3.00			13.5	13.8	13.65 1 2 - 2.57
16	8.8 8.5	8.85 0 1	8.9	8.55	8.55 0000	2.85		B	7	, ,
17	9.0 8.7	8.95 0 1	8.9	8.75	8.85 10 10	2.78				
18			9.7	9.8	9.75 1 0	2.31				
19			10.5	10.5	10.50 0 0	1.92				
20			10.9	10.7	10.80 1 1	1.93				
23			11.8	12.1	11.95 2 1	1.39				
25			12.7	12.5	12.60 1 1	1.27				
26			13.3	12.9	13.10 2 2	1.23				
27			13.3	13.3	13.30 0 0	1.39				
28			13.5	13.3	13.40 1 1	1.71				
29			F	,	,					

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

1915phae.proj.1019L

Monday, January 24, 1916

Scale R MC 9924 (Cont.) Diffraction Images

	Sc.1	Sc.2		Sc.1	Sc.2		9929 / 134		Diff.
5	7.3	7.60	00	7.6	7.3		7.60	7.60 00 00	− 1.11
6	7.5	7.80	00	7.8	7.5		7.80	7.80 00 00	− 0.69
8	9.7	9.75	1.0		9.8		9.60	9.68 07 08	− 1.45
9	~~9.5~~ 10.7	10.60	1.1		10.5		10.60	10.60 00 00	− 1.77
10	10.3	10.40	1.1		10.5		10.70	10.55 15 15	− 1.53
11	11.8	11.75	0.1		11.7		12.10	11.92 17 18	− 2.37
12	12.5	12.50	00		12.5		12.10	12.30 20 20	− 2.44
13	13.1	13.10	00		13.1		13.10	13.10 00 00	− 2.80
14	13.1	13.10	00		13.1		13.30	13.20 10 10	− 2.55
15	13.5	13.50	00		13.5		13.50	13.50 00 00	− 2.42
16	13.5			F			13.70	13.60 10 10	− 2.20
17	F			F			13.90	13.90 . 0	− 2.27

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

1915phae.proj.1019L

Copied B 7:103

Monday, Jan. 24, 1916 Ser. 596 Card

Scale R mc9925 100K 8 49 − 0.2 Alt +.06

	Sc.1	Sc.2	Cu.	Magn	Sc.1 P.C	Sc.2	Cu	Magn
1.	42 5.9		4.22	8.42		10.7	−2.26	8.44
2.	55 5.2		3.80	9.30		11.7	−2.41	9.29
3.	50 4.7		3.91	8.91		11.3	−2.37	8.93
4.	56 5.3		3.77	9.37		11.9	−2.45	9.45
5.	65 6.2		3.51	10.01		~~10.5~~	~~−2.20~~	~~8.30~~ *
6	72 6.9		3.27	10.47		13.5	−2.60	10.90
7	76 7.3	B	3.12	10.72		13.5	−2.60	10.90
8	86 8.3 855 01	85	2.80	11.35				
9	90 8.7 905 01	9.1	2.61	11.66				
10		9.5	2.43	11.93				
11		9.9	2.25	12.15				
12		9.9	2.25	12.15 *				
13		10.7	1.88	12.58				
14		11.3	1.63	12.93				
15		12.9	1.49 ~~1.27~~	14.39 ~~14.17~~ *				
16		hazy	.	.				
17		13.1	1.31	14.41				
18		13.5	1.61	15.11				

Remeasured by O. May 8, 1916

	Sc.2		Pc. Sc.2	
14	11.1		4	11.4
* 15	11.7	very poor. assume Wrong unit.	5	10.4 P.C. superposed on bright star. Reject O. May 8, 1916.
16	12.9		6	12.8

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

1915phae.proj.1019L

Monday, Jan. 24, 1916

alt. +.06

Scale R MC 9925 (cont.) Diffraction Images

	Sc.1	Sc.2	Sc.1	Sc.2	Cw.	Magn
1	8.8	9.3	8.7	9.1	-1.16	7.96
2		10.5	10.5	10.5	-1.68	8.82
3		10.5	10.5	10.5	-1.68	8.82
4		10.9	10.9	10.9	-1.88	9.02
5		12.5	12.5	12.5	-2.50	10.00
6		12.9	13.0	13.1	-2.54	10.56
7		J.P		13.5	-2.60	10.90
8		F		F	,	,

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

1915phae.proj.10191

Copied B 10:126

Monday, Jan. 24, 1916 Sav. 596 Cand.

Scale R MC 9926 Carte 9 0 – 2,5 Alt +03

	Sc.1	Sc.2	Cu.	Magn	Sc.1	P C	Sc.2	Cu.	
1	38 3.5		4.33	8.13			9.7	-.198	7.72
2	46 4.3		4.09	8.69			10.7	-.226	8.44
3	54 5.1		3.82	9.22			11.5	-.239	9.11
4	62 5.9		3.61	9.81			12.5	-.252	9.98
5	71 6.8		3.30	10.40			13.1	-.259	10.51
6	8.1 7.8	8.20 L 1	8.3	2.92	11.12		13.7	-.260	11.10
7	97 8.9	9.25 0 1	9.3	2.53	11.83		Fr	.	
8			9.7	2.33	12.03				
9		10.3	~~9.7~~	2.05	12.35				
10			10.5	1.95	12.45				
11			10.5	1.95	12.45				
12			10.9	1.79	12.69				
13			11.3	1.64	12.94				
14			11.5	1.56	13.06				
15			11.3	1.64	12.94				
16			11.9	1.42	13.32				
17			12.5	1.29	13.79				
18			13.3	1.40	14.70				
19			13.5	1.61	15.11	Rejct. Extrapolated. L. May 11, 1916.			
20			13.5	1.61	~~15.11~~	" "	"	"	

Remeas. L.

Remeas. by O. May 11, 1916. May 11, 1916

		Sc2 m				Sc2	
					15	11.6	
17	16	8.1	11.4	11.7	16	11.8	Original measures
	18	9.1	12.3		17	12.4	of Stars 18 and 19
	19	9.2	13.1		18	13.1	not in error. * Original measure of No.
	20	9.9	13.9		19	13.7	20 certainly wrong. Star scarcely seen.
	16		11.4		20	14.1?	Reject.

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

1915phae.proj.1019L

Monday, Jan. 24, 1916

Scale R MC 9926 (cont.) Diffraction Images

	Sc.1 Sc.2	Sc1Sc2			
	g		h	Cu.	Magn
1	8.1 8.5	8.80 00 88	8.5	-1.06	7.74
2	10.3	10.20 11/2	10.1	-1.55	8.65
3	~~11.3~~ 10.9	10.90 00	10.9	-1.87	9.03
4	11.8	11.80 00	11.8	-2.30	9.50
5	12.5	12.50 00	12.5	-2.50	10.00
6	13.3	13.40 1/1	13.5	~~-2.46~~ ~~-1.96~~	10.94
7	13.9	F		~~-2.54~~	

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

1915phae.proj.1019L

Monday, Jan. 24, 1916

+.15

Ser. 596 Card

Scale R mc 9927 NGC 2682 8 50 + 12.5

	Sc.1	Sc.2	Cu.	Magn.	Sc.1	P.C	Sc.2	Cu.	Magn.
1.	38 3.5		4.34	8.94 ~~8.86~~			9.7	1.98 ~~1.93~~	7.72 ~~8.35~~
2	41 3.8		4.24	8.34			9.9	2.03 ~~1.44~~	7.87 ~~8.46~~
3	44 4.1		4.14	8.54			10.8	2.29 ~~1.83~~	8.51 ~~8.97~~
4	54 5.1		3.82	9.22			11.8	2.44 ~~2.30~~	9.36 ~~9.50~~
5	~~6~~ 64 5.1		3.55	10.19			12.7	5 2.5X	10.15 ~~10.19~~
6	78 7.5	8.95 ol	3.05	10.85			13.5	60 ~~2.42~~	10.90
7	90 8.7	8.9 —7	2.66	11.61			T	.	.
8	9.9		2.24	12.14					
9	9.9		2.24	12.14					
10	10.9		1.79	12.69					
11	11.3		1.63	12.93					
12	~~12.5~~ 10.7		1.89	12.59					
13	11.9		1.42	13.32					
14	12.1		1.37	13.47					
15	12.5		1.29	13.79					

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

1915phae.proj.1019L

Monday, Jan. 24, 1916

Scale R MC 9927 Cont. Diffraction Images

	Sc.1	Sc.2	Sc.1	Sc.2	h	Cw.	Magw
1	8.5	8.90	1	90	8.7	8	-1.09	7.81
2	8.9	9.25	0	1	9.3		-1.20	8.05
3	10.5	10.40	1	1/	10.3		-1.64	8.76
4	11.1	11.00	1	1/	10.9		-1.93	9.07
5	12.5	12.50	0	0	12.5		-2.50	10.00
6	13.3	13.40	1	1	13.5		-2.46	10.94
7	13.7	13.70	0	0	13.7		-2.24	11.46

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

1915phae.proj.1019L

+21

Monday, Jan 24, 1916

Ser. 596 Card.

Scale R mc 9928 DM 8 50 + 32.5

	Sc.1	Sc.2	Cw.	Magn.	Sc.1 P.C	Sc.2	Cw.	Magn.
1	40 3.7		4.29	8.29		10.3	-2.14	8.16
2	58 5.5		3.71	9.51		12.3	-2.50	9.80
3	68 6.5		3.41	10.21		12.5	-2.52	9.98
4	~~5.7~~ 76 7.3		3.12	10.72		13.1	-2.59	10.51
5	80 7.7 805 01	8.1	2.98	11.03		13.5	-2.60	10.90
6	86 8.3 865 01	8.7	2.76	11.41		13.5	-2.60	10.90
7	86 8.3 855 01	8.5	2.80	11.35		F	.	.
8	92 8.9 925 01	9.3	2.53	11.78				
9		9.9	2.25	12.15				
10		9.8	2.28	12.08				
11		10.5	1.96	12.46				
12		10.5	196	12.46				
13		10.9	1.79	12.69				
14		11.5	1.55	13.05				
15		11.7	1.49	13.19				
16		12.1	13.7	13.47				
17		12.5	1.29	13.79				
18		12.7	1.27	13.97				
19		13.3	1.38	14.68				
20		13.8	.	.				

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

1915phae.proj.1019L

Monday, January 24, 1916

Scale R MC 9928 (cont.) Diffraction Images

	Sc.1 Sc.2 g	Sc.1 Sc.2 h	Cu.	Magn
1	8.8 9.05	8.7	-1.04	8.01
2	11.3		-2.08	9.22
3	12.7 12.60	12.5	-2.51	10.09
4	12.5 12.60	12.7	-2.51	10.09
5	13.1 13.20	13.3	-2.52	10.68
6	13.3 13.50	~~13.5~~ 13.7	-2.40	11.10
7	13.5 13.50	13.5	-2.40	11.10
8	13.8	F	-2.17	11.63

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

1915phae.proj.1010L

Monday, January 24, 1916

Scale R | MC 9929 | Pole

	Sc.1	Sc.2	Sc.1	P.C	Sc.2
5	1.3		7.5		
6	1.9		8.5	875 01	8.7
8	3.8				10.5
9	4.9				10.9
10	4.9				11.3
11	5.3				12.3
12	5.8				12.5
13	6.8				13.1
14	7.5				13.3
15	7.7	805 01 8.1			13.8
16	8.3	855 01 8.7			T.
17	8.5	875 01 8.7			
18		9.8			
19		10.5			
20		10.7			
23		12.1			
25		12.5			
26		12.9			
27		13.3			
28		13.3			

See p 123

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

1915phae.proj.1019L

Monday, January 24, 1916

Scale R MC 9929 (Cont.) Diffraction Images

	Sc.1	Sc.2	Sc.1	Sc.2
	7.6 g			7.6 h
5.	7.3	7.60	00	7.3
	7.8			7.5
6	7.5	7.80	00	7.5
8	9.7	9.60	11	9.5
9	10.7	10.60	11	10.5
10	10.7	10.70	00	10.7
11	12.1	12.10	00	12.1 ~~12.5~~
12	12.1	12.10	0.0	12.1
13	13.1	13.10	00	13.1
14	13.3	13.30	00	13.3
15	13.5	13.50	00	13.5
16	13.7	13.70	00	13.7
17	13.9	13.90	00	13.9

3.50

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

1915phae.proj.1019L

Sheet No 259

11.15 Wednesday, January 26, 1916

Scale m mc 9929 Pole Sex. ~~mc~~ 596

	Sc.1		Sc.2	MC 9935 p147				Diff	Sc.1	P.C.		Sc.2	9935 p147				Diff
5	B			.	.			Diff	4.1 (4.3)	4.40	1 1	4.5	4.30	4.35	05	05	2.14
6	B			.	.				5.3 (5.5)	5.50	0 0	5.5	5.20	5.35	15	15	1.76
8	1.5 (1.7)			2.3	2.00	3	3	6.23	6.7 (6.9)	6.80	1 1	6.7	6.60	6.70	10	10	1.53
9	2.3 (2.5)			2.7	2.60	1	1	6.23				7.5	7.3	7.40	1	1	1.43
10	2.3 (2.5)			2.8	2.65	1	2	6.37				7.7 (8.9)	7.5	7.60	1	1	1.42
11	2.8 (3.0)			3.5	3.25	2	3	6.30				8.3	8.3	8.30	0	0	1.25
12	3.3 (3.5)			3.7	3.60	1	1	6.26				8.5	8.5	8.50	0	0	1.36
13	3.8 (3.7 5)			4.1	3.90	2	2	6.40				9.1	9.1	9.10	0	0	1.20
14	3.8 (4.0)		B	4.60	4.30	30	30	6.35				9.5	9.3	9.40	1	1	1.25
15	4.5 (4.7)	4.70	0 0	4.7	5.40	5.05	35	35	6.03			9.8	9.6	9.70	1	1	1.38
16	4.7 (4.9)	5.10	2 2	5.3	5.50	5.30	20	20	6.10			F	9.5				1.90
17	5.5 (5.7)	5.60	1 1	5.5	5.95	5.78	18	17	5.85				9.8				1.83
18	6.1 (6.3)	6.30	0 0	6.3	6.50	6.40	10	10	5.66				7				.
19	6.5 (6.7)	6.70	0 0	6.7	7.00	6.85	15	15	5.57								
20				7.3	7.5	7.40	1	1	5.33								
23				8.5	7.9	8.20	3	3	5.14								
25				8.5	8.7	8.60	1	1	5.27								
26				9.3	9.1	9.20	1	1	5.13								
27				9.5	9.3	9.40	1	1	5.29								
28				9.6	9.3	9.45	2	1	5.66								

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m

MC 9929 (cont.)

Diffraction Images

	Sc.1 g	Sc.2	Sc.1 h	Sc.2	mc 9935 p.148				Diff.
5	4.0 3.8	4.00	00	4.0 3.8	3.95	3.98	02	03	2.51
6	4.5 4.3	4.50	00	4.5 4.3	4.80	4.65	15	15	2.46
8	6.4 6.5	6.60	1!	6.5 6.3	6.60	6.60	00	00	1.63
9	7.1 6.9	7.10	00	7.1 6.9	7.10	7.10	00	00	1.73
10	7.3	7.30	00	7.3	7.40	7.35	05	05	1.67
11	8.3	8.20	1!	8.1	7.90	8.05	15	15	1.50
12	8.5	8.50	00	8.5	8.00	8.25	25	25	1.61
13	9.1	9.00	1!	8.9	8.60	8.80	20	20	1.50
14	9.5	9.50	00	9.5	9.10	9.30	20	20	1.35
15	9.5	9.50	00	9.5	9.40	9.45	05	05	1.63
16	9.7	9.90	00	9.7	9.50	9.60	10	10	1.80
17	9.8	9.80	00	9.8	9.75	9.78	02	03	1.85

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

1915phae.proj.1019L

Copied B 10; 163

Wednesday, Jan. 26, 1916

Ser. 596. Card.

Scale m MC 9930 Carte 10 0 – 23.5 Alt – 45

	Sc. 1	Sc. 2	Cu.	Magn	Sc. 1	P. C.	Sc. 2	Cu.	Magn
1	B		.	.	4.0 3.8		B	.	.
2	17 1.5		.	.	6.5 6.3	6.50 00	6.5	1.54	8.04
3	25 2.3		6.26	8.76			7.5	1.40	8.90
4	27 2.5		6.29	8.99			7.9	1.35	9.25
5	38 3.6	B	6.32	10.12			9.1	1.25	10.35
6	49 4.7 5.10 22	5.3	6.06	11.16			9.5	1.35	10.85
7	47 4.5 4.70 00	4.7	6.19	10.89			9.7	1.45	11.15
8	55 5.3 5.50 00	5.5	5.95	11.45			9.7	1.45	11.15
9	57 5.5 5.65 10	5.6	5.90	11.55			F	.	.
10	67 6.5 6.60 12	6.5	5.60	12.20					
11	70 6.8 6.95 01	6.9	5.51	12.46					
12	70 6.8 7.05 01	7.1	5.48	12.53					
13		7.3	5.41	12.71					
14		7.9	5.27	13.17					
15		8.5	5.19	13.69					
16		8.9	5.20	14.10					
17		9.3	5.30	14.60					
18		9.5	.	.					
19		9.8	.	.					
20		9.8	.	.					

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

1915phae.proj.1019L

Wednesday. Jan. 26, 1916

Scale m

MC 9930 (cont)

Diffraction Images

	Sc 1	Sc 2	Sc 1	Sc 2		Cu.	Magn
		g		h.			
1	3.5	3.70	0 0	3.5		.	.
2	5.3	5.60	1 1	5.5		2.11	7.71
3	6.7	6.90	0 0	6.7		1.72	8.62
4	7.5	7.50	0 0	7.5		1.62	9.12
5	8.7	8.75	1 0	8.8		1.51	10.26
6	9.5	9.60	1 1	9.7		1.73	11.33
7	9.6	9.55	0 1	9.5		1.70	11.25
8	9.8	9.75	0 1	9.7		1.85	11.60
9	J.P		J.P			.	.

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

1915phae.proj.10191

Wednesday, Jan. 26, 1916

Ser. 596

Scale m — mc 9931 — Dm — 10 0 — 15.0 — Alt. corr. −.18

	Sc.1	Sc.2	Cw.	Magn	Sc.1 P.C.	Sc.2	Cw	
1	25 2.3		6.26	8.76	70 6.8 6.90 1 1	6.8	1.50	8.30
2	29 2.7		6.30	9.20		7.8	1.35	9.15
3	30 2.8		6.31	9.31		8.5	1.26	9.76
4	39 3.7	B	6.31	10.21		9.3	1.29	10.59
5	48 4.6 4.95 01	4.9	6.14	10.99		9.5	1.35	10.85
6	55 5.3 5.50 00	5.5	5.95	11.45		9.8	1.55	11.35
7	59 5.7 5.85 10	5.8	5.84	11.69				
8	61 5.9 6.10 00	6.1	5.75	11.85				
9	67 6.5 6.60 11	6.5	5.60	12.20				
10	69 6.7 7.00 11	7.1	5.50	12.50				
11		7.5	5.36	12.86				
12		7.9	5.28	13.18				
13		8.5	5.19	13.69				
14		8.5	5.19	13.69				
15		8.7	5.19	13.89				
16		8.9	5.20	14.10				
17		9.1	5.23	14.33				
18		9.1	5.23	14.33				
19		9.5	"	"				
20		9.5	"	"				

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

1915phae.proj.10191

Wednesday, Jan. 26, 1916

Scale m

MC 9931 (cont)

Diffraction Images Alt. corr. -18

	Sc 1	Sc 2	g	Sc 1	Sc 2	h	Cu.	Magn.
1	6.3	6.5	6.5	6.3	6.5	6.3	1.81	8.31
2	7.5	7.4	7.4	7.3	7.4	7.3	1.64	9.04
3	8.5	8.3	8.3	8.1	8.2	8.1	1.53	9.83
4	8.7	8.7	8.7	8.7	8.7	8.7	1.51	10.21
5	9.3	9.4	9.4	9.5	9.4	9.5	1.59	10.99
6	9.7	9.7	9.7	9.7	9.7	9.7	1.80	11.50

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

1915phae.proj.1019L

Copied B 10; 115

Wednesday, Jan. 26, 1916

Ser 596

Scale m MC 9932 Carte 10 0 + 5.0 Alt + 11

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu.	Magn
1	1.3	.	.	.	6.3 6.40 1½	6.3	1.58	7.98
2	2.1		6.24	8.54	6.9 7.00 1½	6.9	1.49	8.37
3	2.3		6.27	8.77		7.3	1.42	8.72
4	2.9		6.32	9.42		* 7.3	1.29	9.59
5	3.5		6.32	10.02		9.1	1.38	10.35
6	3.5	B	6.32	10.02		8.9	1.25	10.15
7	4.7 5.00 1½	5.1	6.10	11.10		9.5	1.35	10.85
8	5.7 5.80 1½	5.7	5.85	11.65		F	.	.
9	5.9 6.00 1½	5.9	5.79	11.79				
10		7.5	5.36	12.86				
11		8.3	5.22	13.52				
12		8.3	5.22	13.52				
13		8.7	5.19	13.89				
14		9.1	5.23	14.33				
15		9.1	5.23	14.33				
16		9.3 ~~8.6~~	5.30	1460				
17		9.5	.	.				
18		9.7	.	.				
19		n.s	.	.				
20		hs	.	.				

* Remeasured by O. May 11, 1916

P.C. Sc.7

3 7.1
4 8.2
5 8.9

There is a bright star, sc. reading 7.3, near the P.C. which may have been measured for P.C. or ~~Assume~~ correct image may have been measured and wrong unit recorded.
Assume wrong unit.
H.S.L. May 11, 1916.

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m

MC 9932 (cont.) Diffraction Image alt. cm. till

	Sc.1	Sc.2	Sc.1 Sc.2	Cw.	Magn
	g		h		
1	4.9	5.30	5.5 / 5.3	2.21	7.51
2	6.5	6.80	6.7 / 6.9	1.73	8.53
3	6.9	7.00	7.1 / 6.9	1.68	8.78
4	8.3	8.30	8.3	1.53	9.83
5	8.9	8.90	8.9	1.50	10.40
6	9.1	9.00	8.9	1.51	10.51
7	9.8		F	1.88	11.68
8	F		F	.	.

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

1915phae.proj.10191

Wednesday, Jan. 26, 1916

Ser. 596

Scale m MC 9933 D M 10 0 + 20.0 alt. corr. +.16

	Sc 1	Sc 2	Cu.	Magn	Sc 1	P.C	Sc 2	Cu	
	2.5								
1	2.3		6.27	8.77			7.7	1.37	9.07
	2.9								
2	2.7		6.30	9.20			8.3	1.29	9.59
	3.3								
3	3.1		6.33	9.63			8.5	1.25	9.75
	3.5								
4	3.3		6.32	9.82			8.5	1.25	9.75
	3.9								
5	3.7	B	6.30	10.20			9.3	1.29	10.59
	4.7								
6	4.5	4.80 1 1	4.9	6.15			9.8 F	1.55	11.35
	5.9								
7	5.7	5.80 1 1	5.7	5.85					
	5.7								
8	5.5	5.70 0 0	5.7	5.89					
	6.7								
9	6.5	6.60 1 1	6.5	5.60					
10			7.3	5.40					
11			7.5	5.36					
12			7.3	5.40					
13			7.8	5.30					
14			7.9	5.27					
15			7.8	5.30					
16			8.5	5.19					
17			8.5	5.19					
18			9.1	5.23					
19			9.3	5.30					
20			9.7	,					

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m — MC 9933 (cont) — Diffraction Images — Alt. corr. +16

	Sc 1 g	Sc 2 h	Sc 1 Sc 2 Cu.	Magn
1	7.3	7.3 30 00	7.3 1.64	8.94
2	7.8	7.7 50 01	7.7 1.59	9.34
3	8.1	8.2 0 1	8.3 1.53	9.73
4	8.5	8.5 0 00	8.5 1.52	10.02
5	9.1	9.1 0 00	9.1 1.52	10.62
6	9.8	9.8 5 01	9.9 .	.
7	F	F	.	.

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

1915phae.proj.10191

Cond

Copied B7:105

Wednesday, Jan. 26, 1916

Ser. 596

Scale m MC 9934 10 B 2 K 10 50 0.0 Alt +.06

	Sc 1	Sc 2	Cw.	Magn	Sc 1	P.C.	Sc 2	Cw.	Magn
1	1.1		.	.	5.3	540 1 1	5.3	1.80	7.20
2	1.8		6.19	8.19	6.3	640 1 1	6.3	1.58	7.98
3	2.6		6.30	9.10			7.7	1.37	9.07
4	2.8		6.31	9.31			8.4	1.27	9.67
5	3.3	B	6.32	9.82			8.8	1.26	10.06
6	3.9	B	6.29	10.39			9.1	1.26	10.36
7	4.1	4.40 1 1	4.5 6.24	10.64			9.5	1.35	10.85
8	5.3	5.50 0 0	5.5 5.95	11.45			F		.
9			7.3 5.41	12.71					
10			7.5 5.36	12.86					
11			7.7 5.31	13.01					
12			8.1 5.24	13.34					
13			8.7 5.19	13.89					
14			9.3 5.31	14.61					
15			9.5 5.61	15.11					

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m

MC 9934 (cont.)

~~Proton~~ Diffraction Images Alt. corr. +36

	Sc 1	Sc 2	Sc 1/Sc 2	Cu	magn
	g		h		
1	4.8	4.85	4.5	2.36	7.21
2	5.9	6.05	5.8	1.97	8.02
3	~~5.8~~	7.37	7.5	1.63	9.03
4	7.8	7.80	7.8	1.59	9.39
5	8.5	8.50	8.5	1.52	10.02
6	8.9	9.00	9.1	1.52	10.52
7	9.1	9.10	9.1	1.52	10.62
8	9.8		F		

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m MC 9935 Pole

	Sc.1		Sc.2
5	B		
6	B		
8	2.3 2.1		
9	2.7 2.5		
10	2.8 2.6		
11	3.5 3.3		
12	3.7 3.5		B
13	4.1 3.9		B
14	4.5 4.3	4.60 1 1	4.7
15	5.5 5.3	5.40 1 1	5.3
16	5.5 5.3	5.50 0 0	5.5
17	6.1 5.9	5.95 1 2	5.8
18	6.5 6.3	6.50 0 0	6.5
19	7.1 6.9	7.00 1 1	6.9
20			7.5
23			7.9
25			8.7
26			9.1
27			9.3
28			9.3

Sc.1	P.C.	Sc.2
4.3 4.1	4.30 0 0	4.3
5.1 4.9	5.20 1 1	5.3
6.7 6.5	6.60 1 1	6.5
		7.3
		7.5
		8.3
		8.5
		9.1
		9.3
		9.6
		9.5
		9.8
		F

See p. 135

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

1915phae.proj.1019L

Wednesday, Jan. 26, 1916

Scale m

MC 9935 (cont.) Diffraction Images

	Sc.1 g	Sc.2 g	Sc.1 h	Sc.2 h
1.				
2.				
3.				
4.				
5.	3.7	3.95	1.0	3.8
6.	4.5	4.80	1.1	4.7
7.				
8.	6.5	6.60	1.1	6.3
9.	6.9	7.10	0.0	6.9
10.	7.3	7.40	1.1	7.5
11.	7.9	7.90	0.0	7.9
12.	7.9	8.00	1.1	8.1
13.	8.7	8.60	1.1	8.5
14.	9.1	9.10	0.0	9.1
15.	9.3	9.40	1.1	9.5
16.	9.5	9.50	0.0	9.5
17.	9.7	9.75	1.0	9.8

~~1.35~~ 1.30

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

1915phae.proj.1019L

10.50 Wednesday, Feb. 2, 1916 Sheet No 270

Scale m MC 9953 Pole Series MC 598

	Sc 1	Sc 2	MC 9959 fv161			Diff	Sc 1	P.C	Sc 2	MC 9959 fv161			Diff
5	B		B	.		.	4.7 4.5	4.70 00	4.7	4.70	4.70	00 00	1.79
6	B		1.5	1.50	, a	5.61	5.7 5.5	5.60 11	5.5	5.60	5.60	00 00	1.51
8	19 1.7		2.1	2.00	1 1	6.23	6.9 6.7	6.85 10	6.8	7.10	6.98	13 12	1.25
9	27 2.5		2.7	2.70	0 0	6.13			7.7	7.9	7.80	1 1	1.03
10	27 2.5		2.7	2.70	0 0	6.32			8.1	7.8	7.95	1 2	1.07
11	35 3.3		3.5	3.50	0 0	6.05			8.5	8.5	8.50	0 0	1.05
12	37 3.5	B	3.7	3.70	0 0	6.16			8.7	8.7	8.70	0 0	1.16
13	4.1 3.9	4.10 00	4.1	4.05	4.08	02 03	6.22		9.1	9.1	9.10	0 0	1.20
14	4.5 4.3	4.40 11	4.3	4.70	4.55	15 15	6.10		9.3	9.5	9.40	1 1	1.25
15	5.3 5.1	5.30 00	5.3	5.40	5.35	05 05	5.73		9.8	9.8	9.80	0 0	1.28
16	5.7 5 4.5	5.60 11	5.5	5.60	5.60	00 00	5.80		F	9.9	9.90	, a	1.50
17	5.9 5.7	5.80 11	5.7	5.90	5.85	05 05	5.78			7	.		,
18	6.5 6.3	6.50 00	6.5	6.85	6.68	18 17	5.38						
19			7.3	7.3	7.30	0 0	5.12						
20			7.4	7.5	7.45	0 1	5.28						
23			8.3	8.5	8.40	1 1	4.94						
25			9.1	8.7	8.90	2 2	4.97						
26			9.3	9.1	9.20	1 1	5.13						
27			9.6	9.3	9.45	2 1	5.24						
28			9.7	9.5	9.60	1 1	5.51						
29		F	~~9.9~~	7	.		.						

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m MC 9953 (cont.) Diffraction Images

	Sc.1	Sc.2		Sc.1	Sc.2	MC 9959 p.162			Diff.
	g		h						
5	3.8	4.00	00	4.0	3.8	4.00	4.00	00 00	2.49
6	4.7	4.95	1.0	5.0	4.8	5.00	4.98	03 02	2.13
8	6.5	6.80	1.1	6.9	6.7	6.60	6.70	10 10	1.53
9	7.5	7.60	1.1	7.7	7.5	7.50	7.55	05 05	1.28
10	7.7	7.70	00	7.7		7.50	7.60	10 10	1.42
11	8.5	8.50	00	8.5		8.30	8.40	10 10	1.15
12	8.7	8.70	00	8.7		8.70	8.70	00 00	1.16
13	9.1	9.20	1.2	9.3		9.10	9.15	05 05	1.15
14	9.3	9.30	00	9.3		9.40	9.35	05 05	1.30
15	9.8	9.80	00	9.8		9.65	9.72	08 07	1.36
16	9.9	9.90	00	9.9		9.85	9.88	02 03	1.52

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

1915phae.proj.1019L

Card

Copied B10:172

Wednesday, Feb. 2, 1916

Scale m mc 9954 Carte 3 0 + 55.0 Alt +21

	Sc.1		Sc.2	Cu.	Magn	Sc.1	P.C	Sc.2	Cu.	Magn
	2.5									
1	2.3			6.22	8.72			7.5	1.10	8.60
	3.7									
2	3.5			6.15	9.85			8.7	1.11	981
	3.9									
3	3.7			6.14	10.04			9.3	1.22	10.52
	4.7									
4	4.5	4.70	0 0	4.7	6.02			9.7	1.32	11.02
	4.7									
5	4.5	4.60	! !	4.5	6.04			9.8	1.37	11.17
	5.0									
6	4.8	5.05	0 1	5.1	5.91			9.8	1.37	11.17
	5.5									
7	5.3	5.50	0 0	5.5	5.77			9.7	1.32	11.02
	6.0									
8	5.8	6.15	= !	6.3	5.57			F	.	.
	6.3									
9	6.1	6.20	! !	6.1	5.56					
	6.5									
10	6.3	6.50	0 0	6.5	5.46					
	6.5									
11	6.3	6.40	! !	6.3	5.50					
12				7.3	5.20					
13				7.5	5.13					
14				7.5	5.13					
15				8.3	4.93					
16				8.3	4.93					
17				8.3	4.93					
18				8.5	4.94					
19				9.3	5.19					
20				9.8	5.44					

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m

mc 9954 (cont)

diff. images alt. conv. +21

	Sc 1	Sc 2	Sc 1 Sc 2	Cw.	Magn
	6.9 g		6.7 h		
1	6.7	6.80	6.5	1.52	8.32
2	8.5	8.50	8.5	1.17	9.67
3	8.8	8.85	8.9	1.16	10.01
4	9.5	9.50	9.5	1.29	10.79
5	9.5	9.50	9.5	1.29	10.79
6	9.7	9.75	9.8	1.41	11.16
7	9.7	9.75	9.8	1.41	11.16
8	9.9	9.90	9.9	1.50	11.40
9	F		F	.	.

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

1915phae.proj.1019L

Cancel.

Wednesday, ~~Dec.~~ Feb. 2, 1916

Scale m MC 9955 DM alt. corr. +21

	Sc.1		Sc.2	Cw.	Magn.	Sc.1	PC	Sc.2	Cw.	Magn.
	1.5					5.1				
1	1.3			6.10	7.60	4.9	5.20 1 1	5.3	1.60	6.80
2	3.3 3.1			6.19	9.49			8.3	1.06	9.36
3	2.9 2.7			6.20	9.10			8.1	1.05	9.15
4	2.7 2.5			6.21	8.91			7.8	1.06	8.86
5	3.0 2.8			6.20	9.20			8.3	1.06	9.36
6	3.9 3.7	4.00 1 1	4.1	6.14	10.14			9.1	1.20	10.30
7	3.7 3.5		B	6.16	9.86			8.5	1.09	9.59
8	4.9 4.7	4.86 1 0	4.8	5.98	10.83			9.5	1.27	10.77
9	5.5 5.3	5.50 0 0	5.5	5.78	11.28			9.9	1.41	11.31
10	4.1 3.9	4.10 0 0	4.1	6.11	10.21			9.1	1.20	10.30
11	5.0 4.8	5.05 0 1	5.1	5.91	10.96			9.5	1.27	10.77
12	6.1 5.9	5.95 1 2	5.8	5.64	11.59					
13	6.0 5.8	5.85 2 1	5.7	5.67	11.52					
14			7.5	5.13	12.63					
15			7.7	5.07	12.77					
16			7.9	5.01	12.91					
17			8.5	4.94	13.44					
18			8.8	4.99	13.79					
19			9.1	5.08	14.18					
20			9.9	.	.					
13a	7.1 6.9	7.10 0 0	7.1	5.26	12.36					

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m | MC 9955 (cont.) | diff. images Alt. corr. +21

	Sc 1	Sc 2		Sc 1	Sc 2		Cw.	Magn
	4.9 g					h		
1	4.7	4.90	00	49		4.7	2.15	7.05
2	7.8	7.80	00			7.8	1.29	9.09
3	7.5	7.60	1			7.7	1.32	8.92
4	7.5	7.50	00			7.5	1.35	8.85
5	8.1	8.10	00			8.1	1.23	9.33
6	8.8	8.85	01			8.9	1.16	10.01
7	8.3	8.40	1			8.5	1.17	9.57
8	9.3	9.30	00			9.3	1.24	10.54
9	9.8	9.75	01			9.7	1.41	11.16
10	9.1	9.10	00			9.1	1.20	10.30
11	9.5	9.50	00			9.5	1.29	10.79
12	9.7	9.80	1			9.9	1.45	11.25

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

1915phae.proj.1019L

Sor. 598

Card

Wednesday, Feb. 2, 1916

Scale m mc 9956 D m Alt. corr. +18

	Sc.1	Sc.2	Cu.	Magn	Sc.1	P.C.	Sc.2	Cu.	Magn
	17				6.3				
1	1.5		6.14	7.84	6.1	6.2° 1'	6.1	1.38	7.58
	2.5								
2	2.3		6.22	8.72			7.7	1.07	8.77
	3.7								
3	3.5		6.16	9.86			8.5	1.09	9.59
	4.3								
4	4.1 4.30 ° '	4.3	6.10	10.40			9.3	1.23	10.53
	4.9								
5	4.7 4.90 ° '	4.9	5.96	10.86			9.5	1.26	10.76
	5.7								
6	5.5 5.70 ° '	5.7	5.72	11.42			9.9	1.41	11.31
	7.1						Tr	,	,
7	6.9 7.10 ° '	7.1	5.26	12.36					
	6.7						Tr	,	,
8	6.5 6.75 1.0	6.8	5.38	12.13					
9		7.3	5.20	12.56					
10		7.5	5.13	12.63					
11		7.7	5.07	12.77					
12		7.3	5.20	12.50					
13		7.8	5.03	12.83					
14		8.3	4.98	13.28					
15		8.5	4.94	13.44					
16		8.7	4.96	13.66					
17		8.8	4.98	13.78					
18		9.1	5.08	14.18					
19		9.3	5.20	14.50					
20		9.7	,	,					

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m MC 9956 (cont)

diff. images

Alt. corr. +18

	Sc.1	Sc.2	Sc.1 Sc.2	Cw.	Magn.
	5.1 g		5.6 h		
1	5.5	5.60	5.3	1.91	7.51
2	7.3	7.30 00	7.3	1.39	8.69
3	8.5	8.50 00	8.5	1.17	9.67
4	9.1	9.10 00	9.1	1.20	10.30
5	9.5	9.50 00	9.5	1.29	10.79
6	9.9	9.90 00	9.9	1.50	11.40
7	F		F	,	,

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

1915phae.proj.1019L

Card.

Wednesday, Feb. 2, 1916

Scale m MC 9957 ~~D m~~ 3 16 + 27.5 Eros. Comp. Stars Alt. corr. +.21

	Sc.1	Sc 2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu.	Magn
1	2.7 2.5		6.21	8.91		7.7	1.07	8.77
2	3.3 3.1		6.19	9.49		8.3	1.06	9.36
3	3.7 3.5		6.16	9.86		8.7	1.11	9.81
4	3.9 3.7 3.5	B	6.14	10.04		8.9	1.15	10.05
5	4.5 4.3 4.50 ° °	4.5	6 4.07	10.57		9.1	1.20	10.30
6	4.9 4.7 4.80 ' '	4.7	5 4.99	10.79		9.5	1.26	10.76
7	5.7 5.5 5.70 ° °	5.7	5.71	11.41		9.9	1.41	11.31
8	6.7 6.5 6.60 ' '	6.5	5.42	12.02		T	.	.
9		7.5	5.14	12.64				
10		7.3	5.20	12.50				
11		7.5	5.14	12.64				
12		7.9	5.01	12.91				
13		8.1	4.96	13.06				
14		8.5	4.94	13.44				
15		8.8	4.98	13.78				
16		8.9	5.00	13.90				
17		9.1	5.08	14.18				
18		9.5 T	5.34	14.84				
19		9.8	.	.				
20		9.9	.	.				

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m

MC9957 (cont.)

diff. images

Alt. corr. +.21

	Sc1 Sc.2 g	Sc1 Sc2 m	Cu.	Magn
1	7.5 7.5 0 0	7.5	134	8.84
2	7.8 7.8 0 0	7.8	128	9.08
3	8.5 8.5 0 0	8.5	117	9.67
4	8.7 8.7 0 0	8.7	116	9.86
5	9.1 9.1 0 0	9.1	120	10.30
6.	9.5 9.5 0 0	9.5	129	10.79
7	9.7 9.7 5 1 0	9.8	141	11.16
8	9.9	F	150	11.40

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m MC 9958 Eros, Comp. Stars Alt. corr. +.20

	Sc.1	Sc 2	Cu	Magn	Sc.1	P.C.	Sc 2	Cu	Magn
	1.7				6.0				
1	1.5		6.14	7.84	5.8	6.05 .01	6.1	141	7.46
2	2.5 2.3		6.22	8.72			7.3	1.14	8.44
3	2.7 2.5		6.21	8.91			7.7	1.07	8.77
4	3.1 2.9		6.20	9.30			8.8	113	9.93
5	3.9 3.7	B	6.14	10.04			9.1	120	10.30
6	3.9 3.7	B	6.14	10.04			9.3	122	10.52
7	4.5 4 3 4.50 .00	4.5	6.06	10.56			9.7	132	11.02
8	5.7 5.5 5.75 .10	5.8	5.70	11.45			7	,	,
9	5.7 5.5 5.70 .00	5.7	5.71	11.41					
10	6.5 6.3 6.50 .00	6.5	5.46	11.96					
11		7.5	5.13	12.63					
12		7.7	5.07	12.77					
13		8.3	4.93	13.23					
14		8.3	4.93	13.23					
15		8.5	494	13.44					
16		8.6	495	13.55					
17		9.3	5.20	14.50					
18		9.4	5.25	14.65					
19		9.5	534	14.84					
20		9.8	,	,					

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

1915phae.proj.1019L

Wednesday. Feb. 2, 1916

Scale m

MC 9958 (cont)

diff. images

Alt. corr. +.20

	Sc 1	Sc 2	Sc 1	Sc 2		g	w	Cw.	
1	5.3	5.5	5.0	5.5	5.3	5.5		1.95	7.45
2	6.9	7.1	7.0	7.1	6.9	7.1		1.44	8.54
3	7.7	7.7	7.0	7.0	7.7			1.31	9.01
4	8.3	8.4	0	1.1	8.5			1.18	9.58
5	9.1	9.2	0	1.1	9.3			1.22	10.42
6	9.3	9.3	0	0.0	9.3			1.24	10.54
7	9.5	9.6	5	1.2	9.8			1.34	10.99
8	9.9	9.9	0	0.0	9.9			1.50	11.40

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m MC 9959 Pale

	Sc.1		Sc.2
5	B		
6	1.5 1.3		
8	2.1 1.9		
9	2.7 2.5		
10	2.7 2.5		
11	3.5 3.3		
12	3.7 3.5	B	
13	4.0 3.8	405 01	4.1
14	4.7 4.5	470 00	4.7
15	5.5 5.3	540 11	5.3
16	5.7 5.5	560 11	5.5
17	6.1 5.9 6.3	590 00	5.9
18	6.9 6.7	685 10	6.8
19			7.3
20			7.5
23			8.5
25			8.7
26			9.1
27			9.3
28			9.5
29		F	~~9.5~~

Sc.1	PC	Sc.2
4.7 4.5	470 00	4.7
5.7 5.5	560 11	5.5
7.1 6.9	710 00	7.1
		7.9
		7.8
		8.5
		8.7
		9.1
		9.5
		9.8
		9.9
		F

See p. 149

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

1915phae.proj.1019L

Wednesday, Feb. 2, 1916

Scale m | MC 9959 (cont.) | diff. images

	Sc.1	Sc.2	Sc.1 Sc.2
4	4.0	9	h
5	3.8	4.00 00	4.0 3.8
6	4.8	5.0 5.00 00	5.0 4.8
8	6.5	6.7 6.60 11	6.5 6.3
9	7.5	7.50 00	7
10	7.5	4.50 00	7.5
11	8.5	8.30 22	8.1
12	8.7	8.70 00	8.7
13	9.1	9.10 00	9.1
14	9.3	9.40 11	9 8.5
15	9.6	9.65 01	9.7
16	9.8	9.85 01	9.9

1.10

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

1915phae.proj.1019L

Thursday. Feb. 24, 1916

Variable (?) found by ~~B.~~ on MC 9366

+17° 736 4 21.6 +17 54.1 (1855)

Bright on ~~=~~	Faint on
MC 7836	MC 9366
D 5334	D 28330
D 24339	D 16116
D 12047	~~D 49~~
MC 7125	
MC 7814	
MC 8075	
D 34317	

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

1915phae.proj.1019L

8.30 Friday, Feb. 25, 1916 Sheet No 276.b

Scale m MC 9591 Pole 1 Series 571

	Sc.1		Sc.2	9596 fr 178		Diff		Sc.1	P.C.		Sc.2	9596 fr 178		Diff	
5	B			.	.	.		4.5 4.3	4.5 0 0		4.5	4.40	4.45	05	05 2.04
6	B			.	.	.		5.5 5.3	5.5 1 0		5.6	5.30	5.42	13	12 1.69
8	2.5 2.3			2.3	2.40	1	1 5.83	7.1 6.9	7.1 0 0		7.1	7.10	7.10	00	00 1.13
9	3.0 2.8			2.7	2.85	2	1 5.98				7.9	7.9	7.90	0	0 0.93
10	3.1 2.9			2.7	2.90	2	2 6.12				8.1	8.3	8.20	1	1 0.82
11	3.7 3.5			3.5	3.60	1	1 5.95				8.7	8.9	8.80	1	1 0.75
12	3.9 3.7	4.00 1	4.1	3.9	3.95	05	05 5.91				9.3	9.1	9.20	1	1 0.66
13	4.7 4.5	4.60 1	4.5	4.60	4.60	00	00 5.70				9.8	9.7	9.75	0	1 0.55
14	5.5 5.3	5.50 0	5.5	5.15	5.32	18	17 5.33				9.9	9.9	9.90	0	0 0.75
15	5.9 5.7	5.80 1	5.7	5.60	5.70	10	10 5.38				J	f	.		.
16	6.5 6.3	6.40 1	6.3	6.40	6.40	00	00 5.00								
17	6.9 6.7	6.80 1	6.7	6.90	6.85	05	05 4.78								
18			7.5	7.10	7.30	20	20 4.76								
19			7.5	7.7	7.60	1	1 4.82								
20			8.1	7.9	8.00	1	1 4.73								
23			8.7	8.6	8.65	1	0 4.69								
25			9.1	9.1	9.10	0	0 4.77								
26			9.5	9.5	9.50	0	0 4.83								
27			9.8	9.8	9.80	0	0 4.89								
				J	.	.									

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

1915phae.proj.10191

Friday, Feb. 25, 1916

Scale m ~~Sc1~~ Mc 9591 (cont.) diff. images

Sc.1 Sc.2 Sc.1 Sc.2

	g	h	9596 fr 179			Diff
5	4.0 3.8 4.1	4.3 4.1	395	405	10 10	2.44
6	5.0 4.8 5.0	5.1 4.9	570	538	33 32	1.73
8	6.9 6.7 6.8	6.7 6.5	685	682	02 03	1.41
9	7.7 7.75	7.8	775	775	00 00	1.08
10	8.1 8.10	8.1	790	800	10 10	1.02
11	8.5 8.60	8.7	870	865	05 05	0.90
12	8.8 8.80	8.8	885	882	02 03	1.04
13	9.5 9.50	9.5	950	950	00 00	0.80
14	9.8 9.75	9.7	965	970	05 05	0.95
15	9.9 9.80	9.7	990	985	05 05	1.23
16	9.9	了	.	990	~ .	1.50

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

1915phae.proj.1019L

Copied B 9:93

Card.

Friday, Feb. 25, 1916

Scale m MC 9592 DM 6 50 −7.5 alt. corr. −.05

	Sc.1	Sc.2	Qu.	Magn.	Sc. Ld 51:06 mc9550 alt −.05	P.C. Qu	Sc.2	Qu	Magn	Magn
1	25 2.3		5.96	8.46	.	0.96	7.7	1.48	8.66	8.78
2	28 2.6		5.99	8.79	.	0.84	8.3	0.95	9.14	9.27
2a	29 2.7		5.99	8.89	.	0.90	8.1	1.00 8.23	9.00	9.10
3	37 3.5		5.92	9.62	9.52	0.73	8.8	0.91	9.53	9.71
4	38 3.6		5.90	9.70	9.52	0.68	9.1	0.90	9.78	10.00
5	39 3.7		5.89	9.79	980	0.65	9.3	0.92	9.95	10.22
5a	6.7 6.5	6.9	4.86	10.66	10.7					
6	47 4.5	4.7	5.64	10.34	10.34	0.66	9.9	1.50	10.56	11.40
7	5.1 4.9	5.3	5.44	10.64	1061					
8	59 5.7	5.7	5.21	11.01	11.27					
9	67 6.5	6.7	4.90	11.60	11.65					
10	67 6.5	6.8	4.88	11.63	11.84					
11	7.1 6.9	6.9	4.83	11.83	11.84					
12	6.9 6.7	6.8	4.85	11.70	12.03					
13	7.1 6.9	7.1	4.81	11.91	12.03					
14		7.7	4.74	12.44	12.51					
15		8.3	4.71	13.01	12.80 ~~13.00~~					
16		8.9	4.74	13.64	13.00					
17		8.9	4.74	13.64	13.39					
18		9.3	4.79	14.09	13.78					
19		9.5	4.83	14.33	13.97					
20		9.8	4.88	14.68	14.62					
2	B				3.7	4.00 1 1	4.1	2.18 e	6.18 e	
B	29 2.7		5.99	8.89			8.3	0.84	9.14	

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

1915phae..proj..1019L

Friday, Feb. 25, 1916

Scale m mc 9592 (cont.) diff. mags Alt. corr. −.05

	Sc 1	Sc 2	Sc 1 − Sc 2	Cu	magn	Ld 57:156 mc 9550 P.C. alt. −0.05 Diff.		mean 9592 plus 9550 : 9592 Pc. 9550 : 9592 diff	−.005
	g	h							
1	7.37	7.30	7.3	1.18	8.48	8.79	1	8.64 .. 02 15 16	8.59
2	7.9	7.90	7.9	1.03	8.93	9.35	2	9.14 (35) . 00 21 21	9.09
2a	8.1	8.00	7.9	1.02	9.02	a	2a	9.01 .. 01 . 01	8.96
3	8.8	8.75	8.7	0.92	9.67	9.59	3	9.59 03 07 06 00 08	9.54
4	8.7	8.75	8.8	0.92	9.67	9.75	4	9.74 02 16 10 04 9 01	9.69
5	9.1	9.20	9.3	0.91	10.11	10.23?	5	9.91 12 11 04 (32) 20	9.86
6	9.7	9.75	9.8	1.10	10.85	.	6	10.34 00 00 (32) . (51)	10.29
7	9.8	9.80	9.8	1.15	10.95	.	7	10.62 02 01 . . (33)	10.57
α	4.5	4.70	4.5	2.13	6.83	6.62	α	6.72 (54) . (54) 10 11	667
β	7.7	7.70	7.7	1.08	8.48	8.95	β	8.96 . . 18 01 18	8.91

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

1915phae.proj.1019L

Copied B 9:97

Friday, Feb. 25, 1916

Card.

Alt. corr: +.08

Scale m MC9593 RR Monoc. Variable Sequence 7 10 +2.5

	Sc.1		Sc.2	Ch	magn	Sc.1	P.C.	Sc.2	Ch	magn
a	2.9 2.7			5.99	8.89			8.1	0.90	9.00
b	2.5 2.3			5.98	8.48			7.5	1.03	8.53
c	3.3 3.1			5.96	9.26			8.9	0.72	9.62
d	3.9 3.7			5.89	9.79			9.3	0.65	9.95
e	4.7 4.5	4.90 22	5.1	5.55	10.45			J.P.		
f	4.5 4.3	4.50 00	4.5	5.71	10.21			J.P.		
g	4.9 4.7	5.10 22	5.3	5.49	10.59					
h	4.3 4.1	4.30 00	4.3	5.77	10.07			9.7	0.65	10.35
k	6.3 6.1	6.40 11	6.5	4.99	11.39					
l	5.7 5.5	5.70 00	5.7	5.25	10.95					
m	6.5 6.3	6.50 00	6.5	4.95	11.45					
n	6.7 6.5	6.70 00	6.7	4.90	11.60					
o	6.7 6.5	6.75 10	6.8	4.88	11.63					
p			7.7	4.74	12.44					
q			8.1 7.7	4.72	12.82					
r			8.5	4.70	13.20					
s			7.7	4.74	12.44					
T			8.5	4.73	13.23					
u			9.8	4.88	14.68					

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

1915phae.proj.10191

Friday, Feb. 25, 1916

Scale m mc 9593 (cont.) diff images alt. corr. +.08

	Sc1	Sc2	Sc1 Sc2		
	g		h		
a	7.7	7.80	1' 7.9	1.06	8.86
b	7.3	7.30	0° 7.3	1.18	8.48
c	8.5	8.65	1' 8.8	0.92	9.57
d	9.3	9.35	1° 9.4	0.91	10.26
e	9.7	J.P.		1.09	10.79
f	9.7	9.75	1° 9.8	1.10	10.85
g	9.8	J.P.		1.15	10.95
h	9.1	9.40	3.3 9.7	0.92	10.32
k	n.s		n.s		
l	9.9	9.90	0° 9.9	1.45	11.35

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

1915phae.proj.1019L

Friday, Feb. 25, 1916

Scale m MC9593 RR Monoc Ref. seq. Alt. corr. +.08

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	27 2.5		5.99	8.69			7.5	1.03	8.53
2	29 2.7		5.99	8.89			7.9	0.95	8.85
3	29 2.7		5.99	8.89			8.5	0.80	9.30
4	40 3.8	B	5.87	9.87			9.5	0.63	10.13
5	40 3.8 4.05 0	4.1	5.86	9.91			9.5	0.63	10.13
6	53 5.1 5.30 0 0	5.3	5.41	10.71			J.P.		
7	57 5.5 5.60 1 L	5.5	5.29	10.89			9.8	0.64	10.44
8	63 6.1 6.20 1 L	6.1	5.04	11.24			J		
9	X	7.3	4.77	12.07					
10	71 6.9 7.20 L	7.3	4.79	11.99					
11		7.5	4.75	12.25					
12		7.8	4.73	12.53					
13		7.7	4.74	12.44					
14		7.9	4.72	12.62					
15		8.1	4.72	12.82					
16		8.5	4.73	13.23					
17		8.9	4.74	13.64					
18		9.3	4.79	14.09					
19		9.5	4.83	14.33					
20		9.9	4.90	14.80					

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

1915phae.proj.10191

Friday, Feb. 25, 1916

Scale m mc 9593 (cont.) diff. images Alt. corr. +.08

	Sc 1	Sc 2	Sc 1 − Sc 2	Cu	Magn
	7! g		7! h		
1	6.9	7!0 00	6.9	1.25	8.35
2	7.7	7!5 1.0	7.8	1.05	8.83
3	8.3	8.30 00	8.3	0.97	9.27
4	8.9	9.00 1.1	9.1	0.90	9.90
5	9.1	9.20 1.1	9.3	0.91	10.11
6	9.7	9.80 1.1	9.9	1.15	10.95
7	9.5	9.50 00	9.5	0.95	10.45
8	9.9	7	7	1.45	11.35
9	7	7			

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

1915phae.proj.1019L

Copied B 9:98

Friday, Feb. 25, 1916

Card.

alt. corr. +.21

Scale m

MC 9594 — RR Gemin. — Variable Seq. — 7 20 +30.0

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
	27								
a	2.5		5.99	8.69			8.8	0.73	9.53
	29								
β	2.7		5.99	8.89			8.3	0.84	9.14
	33								
γ	3.1		5.96	9.26			8.7	0.76	9.46
	43								
a	4.1 4201	4.1	5.82	10.02			9.5	0.63	10.13
	45								
b	4.3 4601	4.7	5.67	10.27			9.7	0.65	10.35
	55								
c	5.3 5500	5.5	5.34	10.84					
c'		7.5	4.75	12.25					
	63								
d	6.1 6300	6.3	5.02	11.32					
	71								
d'	6.9 7100	7.1	4.81	11.91					
e		7.5	4.75	12.25					
e'		7.7	4.74	12.44					
f		8.5	4.73	13.23					
g		8.5	4.73	13.23					
h		9.1	4.78	13.88					
k		9.3	4.79	14.09					
l		9.6	4.84	14.44					
m		9.P.							
n		7							

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

1915phae.proj.10191

Friday, Feb. 25, 1916

alt. corr. +.21

Scale m mc 9594 (cont.) diff. images

	Sc.1	Sc.2	Sc1Sc2	Cu.	Magn
	g		h		
α	7.5	75 00	7.5	1.14	8.64
β	7.8	77 50 L1	7.7	1.08	8.83
γ	8.1	82 00 L1	8.3	0.98	9.18
a	9.1	91 00 00	9.1	0.90	10.00
b	9.3	94 00 L1	9.5	0.93	10.33
c	9.8	98 00 00	9.8	1.15	10.95
d	7		7		

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

1915phae.proj.1019L

Friday, Feb. 25, 1916

Alt. corr. +.21

Scale m

MC 9594 — RR Gemin. — Ref. Reg.

	Sc.1	Sc.2	Ch	Magn	Sc.1	P.C.	Sc.2	Ch	Magn
	1.5				6.3				
1	1.3				6.1	6.30 00	6.3	1.40	7.70
	2.3				6.9				
2	2.1		5.97	8.27	6.7	7.00 1.1	7.1	1.15	8.25
3	2.3 / 2.1		5.97	8.27			7.5	1.03	8.53
	3.0						8.3	0.84	9.14
4	2.8		5.99	8.99					
	3.5						8.5	0.80	9.30
5	3.3		5.94	9.44					
	3.9						9.1	0.68	9.78
6	3.7		5.89	9.79					
	3.9						9.8	0.64	10.44
7	3.7 4.10 2.7	4.3	5.85	9.95					
	5.5						9.9	0.66	10.56
8	5.3 5.50 00	5.5	5.34	10.84					
	5.9						7		
9	5.7 5.85 10	5.8	5.18	11.03					
	6.7								
10	6.5 6.70 00	6.7	4.90	11.60					
	6.9								
11	6.7 4.00 1.1	7.1	4.83	11.83					
12		7.3	4.78	12.08					
13		7.7	4.74	12.44					
14		7.5	4.75	12.25					
15		8.3	4.72	13.02					
16		8.5	4.70	13.20					
17		9.1	4.78	13.88					
18		8.9	4.74	13.64					
19		9.5	4.83	14.33					
20		9.7	4.87	14.57					

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

1915phae.proj.10191

Friday, Feb. 25, 1916

Alt. corr. +2!

Scale m mc 9594 (cont.) diff. images

	Sc.1	Sc.2	Sc.1 Sc.2	Cu.	Magnitude
	5.7	9	h		
1	4.5	57° 00'	5.5	1.74	7.44
2	6.7 6.5	67° 00'	6.7 6.5	1.37	8.07
3	7.1 6.9	71° 00'	7.1 6.9	1.25	8.35
4	7.8	785° 01'	7.9	1.04	8.89
5	8	3830° 00'	8.3	0.97	9.27
6	8.6	87° 1'	8.8	0.92	9.62
7	9.1	920° 1'	9.3	0.91	10.11
8	9.8	975° 01'	9.7	1.10	10.85
9	9.9	990° 00'	9.9	1.45	11.35
10	9.9		7		
11	7		7		

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

1915phae.proj.1019L

Copied B 10: 18

Friday, Feb. 25, 1916

Card.

Scale m mC 9595 Carte 8 0 +65.0 alt. corr. +.18

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn.
1	3.5 3.3		5.44	9,44			8.5	0.80	9,30
2	3.5 3.3		5.94	9.44			8.5	0.80	9,30
3	4.7 4.5 4.80 L'	4.9	5.60	10,40			9.7	0.65	10,35
4	4.1 3.9 4.30 2'	4.5	5.77	10,07			9.8	0.68	9,78
5	4.5 4.3 4.50 00	4.5	5.71	10,21			9.5	0,63	10,13
6	5.5 5.3 5.50 00	5.5	5.34	10,84			J		
7	6.1 5.9 6.00 1'	5.9	5.13	11.13					
8	4.P ~~6.5~~								
9	JP.								
10		7.5	4.75	12,25					
11		7.8	4.73	12,53					
12		7.8	4.73	12,53					
13		8.3	4.72	13,02					
14		8.5	4.70	13,20					
15		8.9	4.74	13,64					
16		9.1	4.78	13,88					
17		9.3	4.79	14.09					
18		9.3	4.79	14.09					
19		9.9	4.90	14,80					
20		J							

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

1915phae.proj.1019L

Friday, Feb. 25, 1916

Scale m MC 9595 (cont.) diff. images Alt. corr. +.18

	Sc 1 Sc 2		Sc 1 Sc 2	Cu	Magn
	g	h			
1	8.38	20 11	8.1	0.98	9.18
2	8.38	30 00	8.3	0.97	9.27
3	9.39	30 00	9.3	0.91	10.21
4	9.39	20 11	9.1	0.91	10.11
5	9.39	40 11	9.5	0.93	10.33
6	9.8	98 0 00	9.8	1.15	10.95
7	9.9	99 0 00	9.9	1.45	11.35
8	N.S				

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

1915phae.proj.1019L

Friday, Feb. 25, 1916

Scale m MC 9596 Pole

	Sc.1	Sc.2
5	B	
6	B	
8	2.3 2.1	
9	2.7 2.5	
10	2.7 2.5	
11	3.5 3.3	
12	3.9 3.7	B
13	4.7 4.5 460 1'	4.5
14	5.0 4.8 515 2'	5.3
15	5.5 5.3 560 2'	5.7
16	6.5 6.3 640 1'	6.3
17	6.9 6.7 690 00	6.9
18	7.1 6.9 710 00	7.1
19		7.7
20		7.9
23		8.6
25		9.1
26		9.5
27		9.8
28		J

Sc.1	P.C.	Sc.2
4.3 4.1	440 1'	4.5
5.1 4.9	530 2	5.5
7.1 6.9	710 00	7.1
		7.9
		8.3
		8.9
		9.1
		9.7
		9.9
		J

South 164

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

1915phae.proj.1019L

Friday, Feb. 25, 1916

Scale m mc 9596 (cont.) diff. images

	Sc.1	Sc.2	Sc.1 − Sc.2	
	g			h
5	3.8	3.95	0.1	3.9
6	5.5	5.70	0.0	5.7
8	6.5	6.85	0.2	7.0
9	7.7	7.75	1.0	7.8
10	7.9	7.90	0.0	7.9
11	8.6	8.70	0.1	8.8
12	8.8	8.85	0.1	8.9
13	9.5	9.50	0.0	9.5
14	9.5	9.65	0.2	9.8
15	9.9	9.90	0.0	9.9
16	7			7

10.55

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

1915phae.proj.1019L

1.35

Monday, Feb. 28, 1916

Sheet No 276 b

Scale m

MC 9358 Pole

	Sc.1		Sc.2	9363 fv 192		Diff	
5	B			.	.	.	
6	1.5 1.3			.	1.50	a=	.561
8	2.3 2.1			2.3	2.30	0	0593
9	2.9 2.7			2.7	2.80	1	1 .603
10	3.3 3.1			3.1	3.20	1	1 .582
11	3.9 3.7		B	3.5	3.70	2	2 .585
12	4.5 4.3	4.50 00	4.5	3.9	4.20	30	30 .566
13	4.7 4.5	4.70 00	4.7	4.90	4.80	10	10 .550
14	5.7 5.5	5.70 00	5.7	5.30	5.50	20	20 .515
15	6.5 6.3	6.50 00	6.5	5.70	6.10	60	60 .498
16	6.7 6.5	6.70 00	6.7	6.50	6.60	10	10 .480
17	7.1 6.9	7.10 00	7.1 7.7	7.00	7.05	05	05 .458
18			7.7	7.3	7.50	2	2 .456
19			7.9	7.9	7.90	0	0 .452
20			8.5	8.5	8.50	0	0 .423
23			9.1	8.9	9.00	1	1 .434
25			9.3	9.8	9.55	3	2 .432
26			9.7	9.8	9.75	1	0 .458
27			9.8	9.9	9.85	0	1 .484
28			7	.	.		.

MC 554

Sc.1	P.C.	Sc.2	9693 fv 192		Diff	
5.5 5.3	5.50 00	5.5	500	525	25	25 .124
6.5 6.3	6.60 11	6.7	5.90	6.25	35	35 .086
		7.9	7.8	7.85	1	0 .038
		8.8	8.7	8.75	0	1 .008
		9.1	8.9	9.00	1	1 .002
		9.3	9.5	9.40	1	1 .015
		9.8	9.9	9.85	0	1 .001
		7	.	.		.

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scale m MC 9358 (cont.) diff. images

	Sc 1 Sc 2	Sc 1 Sc 2	9363 m 193				Diff
	g	h					
5	4.5 4.60 1½ 4.5	4.3	4.05	4.32	28	27	2.17
6	5.5 5.35 5.50 00 5.5	5.3	4.60	5.05	45	45	2.06
8	7.1 6.9 7.10 00 7.1	6.9	6.70	6.90	20	20	1.33
9	8.3 8.20 1½	8.1	7.90	8.05	15	15	0.78
10	8.5 8.50 00	8.5	8.10	8.30	20	20	0.72
11	8.9 8.85 10	8.8	8.75	8.80	05	05	0.75
12	9.3 9.40 1½	9.5	9.20	9.30	10	10	0.56
13	9.8 9.75 0½	9.7	9.80	9.78	03	02	0.52
14	9.9	7	9.90	9.90	0	.	0.75
15	7		.	.			.

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scale m | MC 9359 | Gros. Comp. S. | 2 50 +30.0 | Alt. corr. +.21

	Sc.1		Sc.2	Qu	magn	Sc.1	P.C.	Sc.2	Qu	magn
1	2.7 2.5			5.90	8.60			8.5	0.76	8.66
2	2.9 2.7			5.90	8.80			9.1	0.08	9.18
3	4.3 4.1	4.30 00	4.3	5.63	9.93			9.3	0.06	9.38
4	4.5 4.3	4.50 00	4.5	5.55	10.05			9.9	0.08	9.98
5	5.7 5.5	5.70 00	5.7	5.08	10.78			7		
6	6.5 6.3	6.50 00	6.5	4.80	11.30					
7	6.9 6.7	6.80 11	6.7	4.70	11.50					
8			7.7	4.48	12.18					
9			8.3	4.37	12.67					
10			8.5	4.33	12.83					
11			8.8	4.30	13.10					
12			9.1	4.30	13.40					
13			9.3	4.32	13.62					
14			9.5	4.35	13.85					
15			9.6	4.38	13.98					

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scale m mc9359 (cont.) diff. images Alt. corr. +.21

	Sc.1 Sc.2	Sc.1 Sc.2	Cu	magn
	g	n		
1	7.7 7.70 00	7.7	0.97	8.67
2	8.3 8.40 01	8.5	0.70	9.10
3	9.6 9.55 01	9.5	0.54	10.09
4	9.5 9.50 00	9.5	0.54	10.04
5	9.9	7	0.70	10.60
6	9.9	7	0.70	10.60

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scale m | MC 9360 | Enos C. S. | 2 50 +32.5 | alt. corr. +.21

	Sc. 1	Sc. 2	Ru	magn	Sc. 1	P.C.	Sc. 2	Ru	magn
1	1.7 1.5		5.75	7.45			7.5	0.45	7.95
2	2.5 2.3		5.90	8.40			8.1	0.27	8.37
3	2.7 2.5		5.90	8.60			8.6	0.14	8.74
4	3.3 3.1		5.87	9.17			9.1	0.08	9.18
5	3.9 3.7		5.74	9.64			9.6	0.06	9.66
6	4.5 4.3	4.5 00	5.55	10.05			9.9	0.08	9.98
7	5.7 5.5	5.6 11	5.12	10.72			7		
8	6.1 5.9	6.0 11	4.96	10.96					
9	6.9 6.7	6.8 11	4.70	11.50					
10	7.1 6.9	7.0 00	4.61	11.71					
11		7.8	4.48	12.18					
12		7.7	4.45	12.18					
13		8.5	4.33	12.83					
14		8.7	4.31	13.01					
15		9.3	4.32	13.62					
16		9.8	4.46	14.26					

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

scale m inc 9360 (cont.) diff. images Alt. cor. +.21

	Sc.1	Sc.2	Sc.1 Sc.2	Cu	Magn
	6.9 g		6.9 h		
1	6.7	6.90	00 6.7	0.31	8.21
2	7.7	7.70	00 7.7	0.97	8.67
3	7.9	7.90	00 7.9	0.90	8.80
4	8.5	8.50	00 8.5	0.68	9.18
5	9.3	9.30	00 9.3	0.56	9.86
6	9.8	9.80	00 9.8	0.61	10.41
7	7		7		

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

1915phae.proj.1019L

Copied B 9a: 156.

Monday, Feb. 28, 1916

Cancel.

Scale m MC 9361 JW Cars. 2 39.8 +65.0 alt. corr. +.18

	Sc 1		Sc 2	Cu	magn	Sc 1	PC	Sc 2	Cu	magn
	1.5					6.0				
a	1.3					5.8	60.5 0'	6.1	0.93	6.98
	1.7					7.1				
b	1.5			5.75	7.45	6.9	71.0 0.0	7.1	0.57	7.69
c	dbl.									
	2.7									
d	2.5			5.90	8,60			8.8	0.11	8,91
	3.6		B	5.93	9,53			9.5	0.56	10,06
	3.8			5.88	9,83			9.9	0.08	9.98
f	3.6	395 2"	4.1							
	5.3			5.41	10,71					
g	5.1	530 0 0	5.3							
	5.9			5.20	11.00					
h	5.7	580 1'	5.7							
	6.5			4.88	11,63					
k	6.6	675 0'	6.7							
k'			7.5	4.75	12,25					
l			8.1	4.72	12,82					
m			8.3	4.37	12,67					
m'			8.3	4.37	12,67					
m^2			8.5	4.33	12,83					
n			9.1	4.30	13,40					
o			9.3	4.32	13,62					
p			9.8	4.46	14.26					

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scalem MC 9361 (cont.) diff. images alt. corr. +18

	Sc.1	Sc.2	Sc.1	Sc.2	Δm	Magn
	g			m		
a	4.7	4.70	00	4.7	2.12	6.82
	4.5			4.5		
b	6.0	5.95	01	5.9	1.70	7.65
	5.8			5.7		
c						
d	8.1	8.20	11	8.3	0.70	8.90
e	8.9	8.85	10	8.8	0.51	9.36
f	9.5	9.40	11	9.3	0.55	9.95
g	9.9	9.85	10	9.8	0.65	10.50
h	J			J		

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

1915phae.proj.1019L

Monday, Feb. 28, 1916 Card

Scale m MC9362 JX Carr. Ref. Seq. 3 00 +62.5 Alt. corr. +.19

	Sc.1		Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B					6.3 6.1	630 00	6.3	0.83	7.13
2	1.7 1.5			5.75	7.45			7.3	0.50	7.80
3	2.7 2.5			5.90	8.60			8.5	0.16	8.66
4	3.5 3.3			5.83	9.33			9.5	0.56	9.56 10.06
5	4.1 3.9	410 00	4.1	5.69	9.79			9.9	0.08	9.98
6	5.1 4.9	530 22	5.5	5.41 54	10.71			~~9.9~~		
7	5.7 5.5	570 00	5.7	5.08	10.78					
8	6.5 6.3	640 12	6.3	4.82	11.22					
9	6.9 6.7	690 00	6.9	4.68	11.58					
10	7.1 6.9	710 00	7.1	4.61	11.71					
11			7.5	4.76 51	12.25 01					
12			8.2	4.39	12.59					
13			8.5	4.33	12.83					
14			8.9	4.30	13.20					
15			9.3	4.32	13.62					

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

1915phae.proj.1010L

Monday, Feb. 28, 1916

Scale m MC 9362 (cont.) diff. images Alt. corr. +19

	Sc. 1 Sc. 2	Sc. 1 Sc. 2	Cu magn	
	5.7 g		5.7 m	
1	5.5	5.70 00	5.5	1.79	7.49
2	6.5	6.50 00	6.5	1.46	7.96
3	7.5	7.60 1'	7.7	1.01	8.61
4	8.5	8.65 1"	8.8	0.65	9.30
5	9.5	9.60 1'	9.7	0.55	10.15
6	9.9	9.90 00	9.9	0.70	10.60
7	9.9	9.90 00	9.9	0.70	10.60
8	J		J		

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

1915phae.proj.1019L

Monday. Feb. 28, 1916

Copied 139a: 15T

Scale m MC-9362 JX Cass. Var. eq. alt. corr. +.19

	Sc.1		Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
a	J.P.							8.7	0.13	8.83
b	3.5 3.3			5.83	9.33			89	0.10	9.00
c	3.5 3.3			5.83	9.33			9.5	0.56	10.06
d	3.7 3.5			5.79	9.49		J.P.	~~8.5~~		
e	4.5 4.3	45° 00′	4.5	5.55	10.05			M		
f	5.0 4.8	51° 21′	5.1	5.30	10.45					
f1	5.7 5.5	56° 11′	5.5	5.12	10.72					
f2	6.1 5.9	61° 00′	6.1	4.94	11.04					
g	6.5 6.3	65° 00′	6.5	4.80	11.30					
h	6.9 6.7	69° 00′	6.9	4.68	11.58					

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

1915phae.proj.1010L

Monday, Feb. 28, 1916

Scale m mc 9362 (cont) diff. images alt. corr. +.19

		Sc 1 Sc 2 g	Sc 1 Sc 2 n	Cu	Magn
a	7.7	7.70	00 7.7	0.98	8.68
b	J.P.		8.5	0.67	9.17
c	8.7	8.70	00 8.7	0.65	9.35
d	8.5	8.60	1/ 8.7	0.66	9.26
e	9.5	9.50	00 9.5	0.54	10.04
f	9.9	9.90	00 9.9	0.70	10.60
g	∓		∓		

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

1915phae.proj.1019L

Monday, Feb. 28, 1916

Scale m MC9363 Pole

	Sc.1	Sc.2		Sc.1	P.C.	Sc.2
5	B			4.9 4.7 5.1	5.00 L 1	5.1
6	B			5.7	5.90 0 0	5.9
8	2.3 2.1					7.8
9	2.7 2.5					8.7
10	3.1 2.9					8.9
11	3.5 3 3.6					9.5
12	3.9 3.7	B				9.9
13	4.9 4.7	4.90 0 0	4.9			
14	5.3 5.1	5.30 0 0	5.3			
15	5.7 5.5	5.70 0 0	5.7			
16	6.5 6.3	6.50 0 0	6.5			
17	7.1 6.9	7.00 1 L	6.9			
18			7.3			
19			7.9			
20			8.5			
23			8.9			
25			9.8			
26			9.8			
27			9.9			

See p. 180

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

1915phae.proj.1010L

Monday. Feb. 28, 1916

Scale m MC 9363 (cont) diff. images

	Sc 1 Sc 2	Sc 1 Sc 2
	g	h
5	3.8 4.0 4.05 0	4.1 3.9
6	4.7 4.5 4.60 1	4.5 4.3
8	6.5 6.7 6.70 00	6.7 6.5
9	7.9 7.90 00	7.9
10	8.1 8.10 00	8.1
11	8.7 8.75 0	8.8
12	9.3 9.20 4	9.1
13	9.8 9.80 00	9.8
14	9.9 9.90 00	9.9

3.25

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

1915phae.proj.1019L

8.55

Tuesday, Feb. 29, 1916

Sheet No 277 b

Scale m MC 9363 Pole Series MC 554

	Sc.1		Sc.2	9369 fw207		Diff	Sc.1	P.C.		Sc.2	9369 fw207	Obs.		Diff
5	B			.	.	.	4.7 4.5	490		5.1	5.15	502	12 13	147
6	B			.	.	.	5.7 5.7	600	1 1	6.1	6.30	6.20	10 10	091
8	2.3 2.1			1.9	2.10	2 2	613			7.9	7.8	785	1 0	038
9	2.7 2.5			2.7	2.70	0 0	613			8.9	8.8	8.85	1 0	-002
10	2.9 2.7			2.9	2.90	0 0	612			9.1	9.1	9.10	0 0	-008
11	3.7 3.5			3.7	3.70	0 0	585			9.5	9.7	960	1 1	-005
12	3.9 3.7	400	1 1	4.1	3.9	3.95	05 05	591		9.8	9.9	988	0 1	001
13	4.7 4.5	475	1 0	4.8	460	468	07 08	562		9.9	7	990	a .	040
14	5.5 5.3	540	1 1	5.3	5.20	5.30	10 10	535						
15	5.7 5.5	570	0 0	5.7	5.80	5.75	05 05	533						
16	6.5 6.3	640	1 1	6.3	6.50	6.45	05 05	495						
17	6.7 6.5	660	1 1	6.5	6.70	6.65	05 05	498						
18				7.3	7.20	7.25	05 05	481						
19				7.7	7.9	7.80	1 1	462						
20				8.3	8.3	8.30	0 0	443						
~~21~~														
~~22~~				8.7	8.9	8.80	1 1	454						
25				9.5	9.5	9.50	0 0	437						
26				9.7	9.9	9.80	1 1	453						
27				9.9	7	990	a .	479						

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

1915phae.proj.10101

Tuesday, Feb. 29, 1916

Scale m MC 9363 (cont.) diff. images

	Sc1 Sc2	g	h	Sc1 Sc2	9369 +205				Diff
5	3.9	4.1 4100	4.1	3.9	4.10	4.10	00	00	2.39
6	4.9	5.1 5105	5.0	4.8	4.95	5.00	05	05	2.11
8	6.7	6.9 6905	7.0	6.8	7.05	7.00	05	05	1.23
9	8.1	8.2 8205	8.3		8.30	8.25	05	05	0.58
10	8.3	8.3 8300	8.3		8.50	8.40	10	10	0.62
11	9.1	9.0 9005	8.9		8.95	8.98	02	03	0.57
12	9.3	9.3 9300	9.3		9.40	9.35	05	05	0.51
13	9.7	9.7 9700	9.7		9.85	9.78	08	07	0.52
14	9.9	9.9 9900	9.9		8	9.90	≈	.	0.75

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916

Scale m MC 9364 ~~NG~~ DM 3 59.8 +50 Alt. corr. +.22

	Sc.1		Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
	23									
1	2.1			6.15	8.45			8.5	0.10	8.60
	27									
2	2.5			6.12	8.92			8.5	0.10	8.60
	29									
3	2.7			6.10	9.08			8.8	0.00	8.80
	33									
4	3.1		B	6.03	9.39			9.3	−0.05	9.22
	43									
5	4.1	470 1 L	4.1	5.76	9.96			9.9	0.18	1.08
	49									
6	4.7	500 L 1	5.1	5.50	10.50					
	65									
7	6.3	640 1 L	6.3	5.01	11.41					
	67									
8	6.5	675 L 0	6.8	4.90	11.65					
	X									
9	7.3	⟶		4.75	12.05					
10	r		7.4	4.72	12.12					
11			7.5	4.69	12.19					
12			7.7	4.64	12.34					
13			7.9	4.60	12.50					
14			8.5	4.48	12.98					
15			8.9	4.45	13.35					
16			9.5	4.48	13.98					
17			9.8	4.60	14.40					
18			9.8	4.60	14.46					
19			9.8	4.60	14.40					
20										

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

1915phae.proj.10191

Thursday, Feb. 29, 1916

Scale m mc 9364 (cont.) diff. images Alt. corr. +2.2

	Sc. 1	Sc. 2	Sc 1 − Sc 2	An	Magn.
	6.9 g		6.9 h		
1	6.7	6.9 00	6.7	1.25	8.15
2	7.7	7.7 00	7.7	0.88	8.58
3	8.3	8.3 00	8.3	0.66	8.96
4	8.7	8.7 10	8.8	0.55	9.30
5	9.5	9.5 00	9.5	0.50	10.00
6	9.8	9.8 00	9.8	0.59	10.39
7	9.9	7			

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916 Copied B 10: 112

Card.

Scale m MC 9365 Carte 4 00 +15.0 Alt. corr. +10

	Sc.1	Sc.2	Cu	Imagn	Sc.1	P.C.	Sc.2	Cu	Imagn
	1.7				7.1				
1	1.5				6.9	7 20 L1	7.3	0.55	7.75
	2.3								
2	2.1		6.15	8,45			7.7	0.36	8,06
	2.7								
3	2.5		6.12	8,82			8.6	0.06	8.66
	2.8								
4	2.6		6.11	8,91			8.6	0.06	8.66
	3.5								
5	3.3		5.97	9,47			9.7	-0.03	9.67
	3.8						↓		
6	3.6	B	5.89	9.69					
	4.7								
7	4.7 4.90 00	4.9	5.54	10,44					
	5.0								
8	4.8 5.05 01	5.1	5.49	10,54					
	5.9								
9	5.7 5.85 10	5.8	5.23	11,08					
	6.9								
10	6.7 6.90 00	6.9	4.86	11.76					
	7.1								
11	6.9 7.10 00	7.1	4.80	11.90					
12		7.8	4.62	12,42					
13		7.9	4.60	12.50					
14		8.3	4.51	12.81					
15		9.1	4.44	13,54					
16		8.9	4.46	13.35					
17		9.5	4.48	13.98					
18		9.5	4.48	13.98					
19		9.9	4.70	14.60					
20		↓							

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916

Scale m mc 9365 (cont.) diff. images Alt. corr. +10

	Sc 1	Sc 2	Sc 1	Sc 2	Int	Imagn
	6.5 g			h		
1	6.3	66.0	1'	6.7	1.40	8,00
2		7.3	1.30	00	1.05	8,35
3	7.8	7.95	2'	8.1	0,78	8,73
4	8.3	8.30	00	8.3	0.66	8.96
5	8.9	9.10	2'	9.3	0.54	9,60
6	9.6	9.70	1'	9.8	0.54	10,24
7	9.9	9.90	00	9.9	0.65	10,55
8	9.9	9.90	00	9.9	0.65	10.55
9	J			J		

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

1915phae.proj.1019L

Copied B 9a: 132

Tuesday, Feb. 29, 1916

Scale m MC 9366 Hyades 4 24 +17.5 Alt. corr. +.18

	Sc 1		Sc 2	Cu	magn	Sc 1	P. C.	Sc 2	Cu	magn
1	1.3 (1.5)					6.3 (6.5)	6.50 0 0	6.5	0.80	7.30
2	1.5 (1.7)					6.5 (6.7)	6.75 1 0	6.8	0.72	7.47
3	1.9 (2.1)			6.15	8.25			7.7	0.36	8.06
4	3.3 (3.5)			5.97	9.47			9.5	-0.07	9.43
5	3.3 (3.5)		~~3.~~	5.97	9.47			9.3	-0.08	9.22
6	3.9 (4.1)	4.10 0 0	4.1	5.79	9.89			9.9	0.18	10.08
7	5.3 (5.5)	5.40 1 1	5.3	5.36	10.76			7		
8			8.8	4.46	13.26					
8a	6.3 (6.5)	6.40 1 1	6.3	5.01	11.41					
9			7.3	4.74	12.04					
10			7.5	4.69	12.19					
11			8.3	4.51	12.81					
12			8.5	4.48	12.98					
13			8.7	4.47	13.17					
14			8.3	4.51	12.81					
15			9.1	4.44	13.54					
16			9.3	4.45	13.75					
17			~~8.8~~ (9.1)	4.44	13.54					
18			9.5	4.46	13.98					
19			9.8	4.60	14.40					
20			7							

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916

Scale m mc 9366 (cont.) diff. images alt. corr. +.18

	g Sc 1	Sc 2	h Sc 1	Sc 2	Cu	Magn
1	5.7	5.90	00	5.9 5.7	1.93	7,63
2	6.7 6.5	6.70	00	6.7 6.5	1.35	8,05
3	7.1 6.9	7.10	00	7.1 6.9	1.17	8,27
4		8.5	8.60	1 1	8.7	0.58	9,18
5		8.8	8.80	00	8.8	0.54	9.34
6		9.5	9.40	1 1	9.3	0.50	9,90
7		9.9	9.90	00	9.9	0.65	10,55
8a	F		F			

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

1915phae.proj.1019L

Copied B 37: 60

Tuesday, Feb 29, 1916

Card.

Scale m | MC 9367 | C 3 | 5 00 +15.0 | alt. corr. +.17

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B				5.8 (5.5)	5.50 0 0	5.5	1.22	6.72
2	1.3 (1.5)				5.6 (5.8)	5.75 0 1	5.7	1.11	6.81
3	1.3 (1.5)				5.8 (6.0)	5.95 0 1	5.9	1.02	6.92
4	1.5 (1.7)				6.7 (6.9)	6.85 1 0	6.8	0.68	7.48
5	1.7 (1.9)						7.3	0.50	7.80
6	1.8 (2.0)		6.15	8.15			7.3	0.50	7.80
7	2.1 (2.3)		6.15	8.45			7.7	0.36	8.06
8	1.9 (2.1)		6.15	8.25			7.9	0.29	8.19
9	2.6 (2.8)		6.11	8.91			8.5	0.10	8.60
9b	2.3 (2.5)		6.14	8.64			8.1	0.23	8.33
10	2.4 (2.6)		6.12	8.72			8.3	0.14	8.44
11	2.5 (2.7)		6.12	8.82			8.5	0.10	8.60
12	3.3 (3.5)		5.97	9.47			~~9.9~~ 9.1	-0.06	9.04
13	3.3 (3.5)		5.97	9.47			9.3	-0.08	9.22
14	4.1 (4.3)	4.20 1 1 4.1	5.76	9.96			9.8	0.05	9.85
15	4.5 (4.7)	4.70 0 0 4.7	5.59	10.29			9.9	0.18	10.08
16	4.5 (4.7)	4.60 1 1 4.5	5.62	10.22			9.9	0.18	10.08
17	4.6 (4.8)	4.95 2 1 5.1	6.52	10.47			MJ		
18	4.8 (5.0)	5.15 2 1 5.3	5.44	10.59			MJ		
19	4.7 (4.9)	5.10 2 2 5.3	5.46	10.56					
20	5.7 (5.9)	5.80 1 1 5.7	5.22	11.02					
21	~~6.1~~ 5.7 (5.9)	5.90 0 0 5.9	5.18	11.08					
22	6.1 (6.3)	6.30 0 0 6.3	5.05	11.35					
23	6.5 (6.7)	6.80 2 1 6.9	4.89	11.69					
24	6.7 (6.9)	6.85 1 0 6.8	4.88	11.73					
25	6.9 (7.1)	7.10 0 0 7.1	4.80	11.90					
26			7.7	4.64	12.34				
26a			7.6	4.67	12.27				

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916

Scale m mc 9367 (cont.) diff. images Alt. corr. +17

	Sc.1	Sc.2	Sc1-Sc2	Cu magn	
	g		h		
1	4.7 4.34	70	4.7 4.0	2.20	6.90
2	5.0 4.8	495	4.9 4.7	2.12	7.07
3	5.5 5.3	560	5.7 5.5	1.86	7.46
4	6.3 6.1	620	6.1 5.9	1.59	7.79
5	6.3 6.1	640	6.5 6.3	1.50	7.90
6	6.5 6.3	650	6.5 6.3	1.45	7.95
7	6.9 6.7	690	6.9 6.7	1.25	8.15
8	7.0 6.8	705	7.1 6.9	1.19	8.24
9	7.8	775	7.7	0.86	8.61
9b	7.5	750	7.5	0.97	8.47
10	7.3	740	7.5	1.01	8.41
11	7.7	775	7.8	0.86	8.61
12	8.5	850	8.5	0.60	9.10
13	8.7	875	8.8	0.55	9.30
14	8.8	885	8.9	0.54	9.39
15	9.5	960	9.7	0.52	10.12
16	9.8	965	9.5	0.53	10.18
17	9.8	965	9.5	0.53	10.18
18	9.5	966	9.8	0.53	10.18
19	9.9	990	9.9	0.65	10.55
20	9.9		7		

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916

Scale m mc 9367 (cont.) Abb. corr. +.17

	Sc.1	Sc.2		
26b		7.6	4.67	12,27
26c		8.6	4.48	13,08
27		8.3	4.51	12.81
28		8.5	4.48	12,98
28a		8.7	4.47	13,17
28b		9.1	4.44	13,54
29		9.1	4.44	13,54
29a		9.5	4.48	13,98
29b		9.3	4.45	13,75
29c		9.3	4.45	13,75
30		9.8	4.60	14,40
31		7		

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

1915phae.proj.1019L

Tuesday, Feb. 29, 1916 Copied B 10:124 Card.

Scale m | MC 9368 | Carte | 5 00 −2.5 | Alt. corr. +03

	Sc 1	Sc 2	Cu	Amagn	Sc 1	P.C	Sc 2		
1	3.0 2.8		6.09	9.09			9.3	−0.05	9.22
2	4.3 4.1	4.4° 1′	4.5 5.69	10.09			7		
3	5.5 5.3	5.6° 1′	5.7 5.29	10.89					
4	6.8 6.6	6.8° 0°	6.8 4.89	11.69					
5			7.5 4.69	12.19					
6			7.9 4.60	12.50					
7			8.3 4.51	12.81					
8			8.5 4.48	12.98					
9			9.1 4.44	13.54					
10			9.9 4.70	14.60					
11	7								
2	1.7 1.5				6.9 6.7	6.9° 0°	6.9	0.66	7.56
β	2.9 2.7		6.10	9.00			8.8	0.00	8.80
12	7								
13	7								
14	n.s								
15	n.s								

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

1915phae.proj.1019L

Tuesday. Feb. 29, 1916

Cepid B10: 124

Scale m | MC 9368 (cont.) | diff. images abt. cor. +.08

	Sc.1	Sc.2	Sc1Sc2	Cu	magn
	6h 9m				
2	6.3	6h 50m 00s	6.3	1.45	7.95
B	8	36h 30m 00s	8.3	0.66	8.96
1	8.5	86h 5m 12s	8.8	0.58	9.23
2	9.8	98h 50m 01s	9.9	0.63	10.45
3	〃		〃		

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

1915phae.proj.10191

Tuesday, Feb. 29, 1916

Scale m mc9369 Pole

	Sc.1		Sc.2
5	B		
6	B		
8	19 1.7		
9	27 2.5		
10	29 2.7		
11	34 3.5		
12	39 3.7	B	
13	47 4.5	4.60 1 1	4.5
14	51 4.9	5.20 2 1	5.3
15	57 5.7	5.80 1 1	5.7
16	65 6.3	6.50 0 0	6.5
17	67 6.5	6.70 0 0	6.7
18	71 6.9	7.20 2 1	7.3
19			7.9
20			8.3
23			8.9
25			9.5
26			9.9
27			7

Sc.1	P.C.	Sc.2
50 4.8	5.15 2 1	5.3
63 6.1	6.30 0 0	6.3
		7.8
		8.8
		9.1
		9.7
		9.9
		7

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

1915phae.proj.1019L

Tuesday. Feb. 29, 1916

Scale m MC 9369 (cont) diff. images

	Sc.1	Sc.2		Sc.1	Sc.2
	g			h	
5	4.1 3.9	4.10	00	4.1 3.9	
6	5.0 4.8	4.95	0.5	4.9 4.7	
8	7.1 6.9	7.05	1.0	7.0 6.8	
9	8.3	8.30	00	8.3	
10	8.5	8.50	00	8.5	
11	8.8	8.95	2.1	9.1	
12	9.5	9.40	1.2	9.3	
13	9.8	9.85	0.1	9.9	
14	5			5	

11.05

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

1915phae.proj.1019L

YELLOW

June
Thursday, ~~May~~ 8, 1916

Copied B23:202

Card.

2.20

Series MC 575

Scale m | MC 9656 | D_{10} | 19 00 − 15.0 | Corr. −.24

	Sc.1	Sc.2	Cu	magn	Sc.1 P.C.	Sc.2	Cu	magn	
1	B					8.8	−2.10	6.70	
2	B					7.9	−1.90	6.00	
3	3.9 3.7		3.65	7.55		9.5	−2.06	7.44	
4	3.9 3.7p		3.65	7.55		9.4	−2.08	7.32	
5	3.9 3.7		3.65	7.55		9.5	−2.06	7.44	
6	4.9 4.7		3.14	8.04		9.7	.		
7	4.9 4.7		3.14	8.04		9.7	.		Remeas by O. July 9.17.
8	5.9 5.7		2.54	8.44		7			5.6
9	~~5.6~~ 6.6 5.4		2.18 ~~2.70~~	8.78 ~~8.37~~					6.1 assume wr. unit in prev. meas.
10	B								
11	3.7 3.5		3.74	7.44		9.3	−2.10	7.20	
12	5.9 5.7		2.54	8.44					
13	3.9 3.7		3.65	7.55		9.7	.		
14	3.8 3.6	7	3.69	7.49		9.6	−2.02	7.58	
15		8.9	1.42	10.32					
16	4.7 4.5 4.80 +1	4.9	3.19	7.99	P.C. remeas. by O. July 7.17.				
17	5.8	8.5	1.46	9.96	+	1 8.5			
18	5.6 5.75 +1	5.7	2.63	8.38		2 7.7			no error in orig. meas.
19		8.7	1.43	10.13		3 9.2			
20		8.9	1.42	10.32					
21		8.4	1.48	9.88					
22		8.6	1.44	10.04	Remeas. by O. July 9.17.				
23		7.8	1.67	9.47	21 8.3				
24		9.5	1.47	10.97	22 8.6				No error in orig. meas.
25		9.9	1.62	11.52	24 7.9				
26		7.7	1.71	9.41					
27		8.6 8.7	1.43	10.08					
28		9.8 9.7	1.54	11.31					

8.65−01

9.75 01

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

1915phae.proj.1019L

YELLOW

Thursday. ~~May~~ June 8, 1916

Scale m

mc9657 Pole

	Sc.1	Sc.2	9661 p214	Sc.1 P.C.	Sc 2	
1					e	
4					7.7	7.6 7.65 10 −1.79
5	B				8.5	8.6 8.55 10 −2.12
6	B 3.8				9.1	9.2 9.15 10 −2.17
7	3.6		3.8 3.80 00 3.66		9.4	9.6 9.50 11 −2.04
8	4.7 4.9		4.9 4.90 00 3.13		F	
9	6.4 6.6	6.55 01 6.5	6.65 6.60 05 05 2.14			
10	6.6 6.8	6.75 01 6.7	6.70 6.72 03 02 2.16			
11		7.7	7.7 7.70 00 1.66			
12		7.8	8.1 7.95 31 1.63			
13		8.6	8.7 8.65 01 1.43			
14		8.8	8.9 8.85 01 1.39			
15		9.3	9.3 9.30 00 1.34			
16		9.5	9.4 9.45 10 1.49			
17	9.7 9.65 10	9.6	9.60 9.62 03 02 1.42			
18	9.9 9.90 00	9.9	9.90 9.90 00 1.66			

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

1915phae.proj.1019L

Thursday, ~~May~~ June 8, 1916

YELLOW

Copied B23:214 Card.

Scale m mc 9658 D 12 23 00 – 15.0 alt. corr -.10

	Sc.1	Sc.2	Qu	Magn	Sc.1 P.C.	Sc.2	Qu	Magn
1	3.6 (3.8)		3.69	7.49		9.7	.	
2	B					8.3	-2.02	6.28
3	B					9.4	-2.08	7.32
4	4.6 (4.8)		3.19	7.99		J		
5	B					9.4	-2.08	7.32
6	4.3 (4.5)		3.36	7.86		J		
7	4.5 (4.7)		3.25	7.95				
8	5.7 (5.9)		2.54	8.44				
9	6.4 (6.6)		2.18	8.78				
10	5.7 (5.9)		2.54	8.44				
11	6.7 (6.9)	6.90 00	6.9 2.03	8.93				
12	6.7 (6.9)	6.80 11	6.7 2.08	8.88				
13	5.6 (5.8)	5.70 11	5.6 2.64	8.34				
14			8.3 1.50	9.80				
15			7.7 1.71	9.41				
16			7.7 1.71	9.41				
16a			9.3 1.42	10.72				
17			9.4 1.44	10.84				
18			8.7 1.43	10.13				
19			9.7 1.53	11.23				
20			9.6 1.50	11.10				
21			9.3 1.42	10.72				
22	9.9 (9.8 10)	(9.90 00)	9.8 1.60	11.45				
23	9.9	9.9	1.62	11.52				

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

1915phae.proj.1019L

212

YELLOW

Thursday. ~~May~~ June 8, 1916

Copied B 21 : 104

Card.

Scale m MC 9659 S Aquarii 20 50 - 20.0 Att. corr -.19

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu	Magn
a	B					8.7	-2.09	6.61
b	B					8.8	-2.10	6.70
c	3.6 ~~3.4~~		.			9.5	-2.06	7.44
d	3.6 3.4		.			9.7	.	
e	4.3 4.1		3.45	7,75		H		
f	4.9 4.1		3.14	8,04				
g	5.7 5.5		2.64	8,34				
h	5.8 5.6		2.58	8,38				
k	6.0 5.8	5.85 21	5.7	2.57	8,42			
l	7.0 6.8	6.85 21	6.7	2.06	8,91			
m			7.7	1.71	9,41			
n			8.4	1.48	9,88			
n'			8.3	1.50	9,80			
o			9.3	1.42	10,72			
p			8.9	1.42	10,32			
q			9.1	1.40	10,50			
r		9.6 9.55 01	9.5	1.48	11,03			
s		9.9 9.900 00	9.9	1.62	11,52			

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

1915phae.proj.1019L

Thursday, June 8, 1916

YELLOW

Rapid B23:142 Card.

Scale m mc 96 60/59 C 12 23 00 +15.0 alt. corr. +.10

		Sc.1	Sc.2	Lu	Magn	Sc.1	P.C.	Sc.2	Lu	Magn
1	a	B						8.5	-2.06	6.44
2	b	B						8.3	-2.02	6.28
3	c	B						9.4	-2.08	7.32
4	d							8.4	-2.04	6.36
5	e	B						8.7	-2.09	6.61
6	f	4.0 3.8		3.60	7.60			9.9	.	
7	g	4.7 4.5		3.25	7.95			∅ 7		
8	h	5.5 5.6		2.58	8.38					
9	k	5.9 5.7		2.54	8.44					
10	l	3.8 3.6		3.69	7.49			9.8	.	
11	m	6.4 6.4		2.18	8.78					
12	n	4.8 4.6		3.19	7.99					
13	n'		7.6	1.74	9.34					
14	o	6.5 6.3		2.22	8.72					
15	p	6.3 6.1	6.40 21 6.5	2.28	8.68					
16	q	6.9 6.7	6.80 11 6.7	2.07	8.87					
17	r		7.4	1.83	9.23					
17a	s		7.7	1.71	9.41					
18			9.4	1.44	10.84					
19			9.8	1.57	11.37					
19a			9.6	1.50	11.10					
20			9.75 10 9.7 9.8	1.56	11.31					
21			9.85 01 9.8 9.9	1.60	11.45					
21a			∅ 7							
22										

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

1915phae.proj.1019L

214

YELLOW ..

Thursday, June 8, 1916

Scale w

MC 9661 Pole

	Sc.1	Sc.2	Sc.1 P.C.	Sc.2
1	off Plate			
4				7.6p
5	B			8.6
6	B			9.2
7	3.8 3.6			9.6
8	4.9 4.7			
9	6.7 6.5	6.65 10		6.6
10	6.9 6.1	6.40 22		6.5
11		7.7		
12		8.1		
13		8.7		
14		8.9		
15		9.3		
16		9.4		
17		9.60 00 9.6		9.6
18		9.90 00 9.9		9.9

See page 210.

3.40

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

1915phae.proj.1019L

Wednesday, Aug 30, 1916

Shut no 928 YELLOW

1.30 Series MC463

Scale m MC 7995 Pole

	Sc.1	Sc.2	MC 8000 P 219		Sc.1 P.C.	Sc.2		
1	off plate							
4						7.1	a	−1.24
5	B				8.1	7.8	7.95 (3)	−1.52
6	B				8.6	8.5	8.55 (01)	−1.57
7	3.7 3.5		a.	3.76 ~~3.61~~	8.9	9.2	9.05 (11)	−1.59
8	3.9 3.7		3.8 3.85 (10)	2 4.58	9.5	9.8	9.65 (12)	−1.62
9	5.7 5.5		5.3 5.50 (22)	3.24 ~~3.23~~				
10	5.9 5.7	6.00 (11) 6.1	5.7 5.85 (15 15)	3.03 ~~3.17~~				
11	~~7.0~~ 6.8	6.85 (21) 6.7	6.60 6.72 (13 12)	2.64 ~~2.83~~				
12		7.3	6.80 7.05 (25 25)	2.53 ~~2.81~~				
13		7.9	7.6 7.75 (13)	2.33 ~~2.55~~				
14		8.1	7.8 7.95 (12)	2.29 ~~2.70~~				
15		8.7	8.5 8.60 (11)	2.04 ~~2.46~~				
16		9.1	8.9 9.00 (11)	1.94 ~~2.40~~				
17	9.30 (00) 9.3	9.3	9.10 9.20 (10 10)	1.84 ~~2.42~~				
18	9.75 (01) 9.8	9.7	9.65 9.70 (05 05)	1.86 ~~2.36~~				

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

1915phae.proj.1019L

Wednesday. August. 30, 1916 Cand

Spr 463 Copied B23:160 YELLOW

Scale m MC7996 D3 5 00 −15.0 Ref. corr −.18

	Sc 1	Sc 2	Cu	Magn	Sc 1 PC.	Sc 2	Cu	Magn
1	B					8.8	−1.58	7.22
2	B					7.7	−1.44	6.26
3	B					8.6	−1.56	7.04
4	B					8.3	−1.53	6.77
5	3.7 3.5		4.22	7.92		9.2	−1.60	7.60
6	B					9.4	−1.61	7.79
7	4.0 3.8		4.07	8.07		9.5	−1.62	7.88
8	B					8.7	−1.59	7.10
9	3.5 3.3		4.30	7.80		9.3	−1.60	7.70
10	5.7 5.5		3.14	8.84		7		
10a	5.8 5.6		3.08	8.88				
10b	6.8 6.6		2.64	9.44				
11	4.7 4.5		3.68	8.38		9.7	−1.62	8.08
12	3.6 3.3		4.30	7.80		9.3	−1.60	7.70
13	4.8 4.6	5.05 23 5.3	3.47	8.52		9.9	−162	8.38
14	7.1 6.9	7.00 11 6.9	2.56	9.56				
15		7.5	2.37	9.87				
16		7.3	2.44	9.74				
17		7.5	2.37	9.87				
18		8.6	2.03	10.63				
19		7.5	2.37	9.87				
20		7.8	2.28	10.08				
21		8.3	2.14	10.44				
22		9.50 9.9	1.80	11.70				
23		9.5 9.5	1.85	11.35				
24		9.15 01 9.2 9.1	1.90	11.05				
25		7						
		9.9	1.80	11.70				

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

1915pmae.proj.1019L

Wednesday, August. 30, 1916

WOLBY

YELLOW

old corr -.03

Scale m MC 7997 Kapt. ref. eqs. Nebula in Orion $5^h 31^m - 5.5$

	Sc. 1	Sc 2	Cu	Magn	Sc. 1 P.C.	Sc. 2
1	5.6 (5.8)	5.75 (.0)	5.7	3.10	8.85	
2		7.5	2.37	9.87		
3		7.7	2.32	10.02		
4		8.1	2.20	10.30		
5		7.5	2.37	9.87		
6		9.3	1.88	11.18		
7		9.8	1.82	11.62		
8		9.5	1.85	11.35		
9		9.8	1.82	11.62		
10		9.9	1.80	11.70		
11		9.8	1.82	11.62		
a		9.7	+1.82	11.52		
b		9.9	1.80	11.70		
c		7				

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

1915phae.proj.1019L

Wednesday, August 30, 1916

YELLOW

Scale m MC7997 Nebulae in Orion Ref. sequence Add cor -.03

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	
1	5.1 (5.3)		3.35	8.65		9.9	→162 8.28
2	5.3 (5.5)		3.25	8.75		47	
3	5.7 (5.9)	5.80 11 5.7	3.08	8.88			
4	7.5	→	2.37	9.87			
5		8.3	2.13	10.43			
6		8.3	2.13	10.43			
7		7.8	2.28	10.08			
8		9.7	1.82	11.52			
9		9.9	1.80	11.70			
10		7					
11		4					
12		9.8 9.9 (9.85-01)	.181	11.65			

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

1915phae.proj.1019L

Wednesday, August 30, 1916

YELLOW

Scale m MC 8000 Pole.

	Sc. 1	Sc. 2		
1	off plate			
4			7.1 6.9	
5	B			7.8
6	B			8.5
7	B			9.2
8	3.8 3.6			9.8
9	5.3 5.1			
10	5.7 5.5			
11	6.7 6.5	6.60 11	6.5	
12	6.9 6.7	6.80 11	6.7	
13			7.6	
14			7.8	
15			8.5	
16			8.9	
17		9.10 00 9.1	9.1	
18	9.7	9.65 10	9.6	

See page 215

2.20

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

1915phae.proj.1019L

Wednesday, March 6, 1918

12.30

S Ursae majoris

J18367

h, 1, V = 10.30
V, 3, l = 10.34
} 10.32

J20170

m, 2, V = 11.6
V, 1, h = 11.5
} 11.55

aC 7403

g², 2, V = 10.12
V, 2, h = 10.00
} 10.06

aC 2340

f V=n p 11.6

J18367

~~10.3~~ 10.3

J20170

11.5

aC 7403

10.0

aC 2340

p 11.6

12.50

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

1915phae.proj.1019L

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

1915phae.proj.1019L

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

1915phae.proj.1019L

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

1915phae.proj.1019L

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

1915phae.proj.1019L

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

1915phae..proj.1019L

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