KG
11366
002

KG11366 .602

KG 11366.602

HARVARD
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JUL 17 1956

MC Series 776

Sheet no 393

Se V MC 12628 Pole Sept 11, 1917

7:w

	Se1		Se2		Pe
5					5.1 5.0 5.1 5.07^{010} 1.42
6				12639 12633 P14 P	5.6 5.4 5.5 5.50^{110} 1.61
8					7.2 7.1 7.1 7.13^{100} 1.10
9					7.9 7.9 7.9 7.90^{000} 0.93
10	3.0 2.9			2.8 3.0 2.93^{111} 6.09	8.2 8.1 8.1 8.13^{100} 0.89
11	3.4 3.3			3.3 3.5 3.40^{011} 6.15	8.7 8.8 8.8 8.77^{100} 0.78
12	3.6 3.7	3.85^{01}	3.9	3.6 4.00 3.82$^{03\,22\,18}$ 6.04	9.1 9.1 9.2 9.13^{001} 0.73
13	4.4 4.3	4.45^{01}	4.5	4.30 4.6 4.45$^{00\,15\,15}$ 5.85	F 9.40 9.8 9.60^{2020} 0.70
14			4.9	4.9 4.9 4.90^{000} 5.75	
15			5.2	5.1 5.3 5.20^{011} 5.98	
16			5.7	5.5 5.8 5.67^{021} 5.73	
17			6.1	5.8 6.0 5.97^{120} 5.66	
18			6.7	6.7 6.5 6.63^{111} 5.33	
19			7.0	7.0 6.9 6.97^{001} 5.45	
20			7.3	7.3 7.3 7.30^{000} 5.43	
23			7.8	7.9 7.9 7.87^{100} 5.47	
25			8.4	8.7 8.5 8.53^{120} 5.34	
26			9.0	9.1 9.0 9.03^{010} 5.30	
27			9.7	9.9 9.7 9.77^{111} 4.92	
28			F		

MC Series 776

Copied B 38:48

Dev Sept 11, 1917 Card.

MC 12629 DM Ref 16 30 + 2.5 Alt corr +.09

	Sc 1	Sc 2	Curve	Magn.	PC	Curve	Magn.
1	B				6.0	1.42	7.42
2	B				6.4	1.25	7.65
3	B 3.25 -10				7.8	0.96	8.76
4	3.3 3.2 3.2 3.1		6.11	9.36	8.5	0.81	9.31
5	3.4 3.3		6.08	9.48	9.0	0.74	9.74
6	4.0 3.9 4.05 01	4.1	5.98	10.03	9.9	0.66	10.56
7		4.9	5.83	10.73			
8		5.0	5.81	10.81			
9		5.9	5.66	11.56			
10		6.0	5.63	11.63			
11		6.60 21 6.5 6.7	5.53	12.13			
12		6.5	5.55	12.05			
13		7.0	5.49	12.49			
14		7.5	5.42	12.92			
15		7.9	5.38	13.28			
16		8.45 21 8.6 8.3	5.30	13.75			
17		9.20 11 9.1 9.3	5.19	14.39			
18		9.7	5.08	14.78			
19							

MC Series 776

Dct

Sept 11, 1917

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Card

MC 12630	Sc 1	Sc 2	Dm Ref. Curve	Magn.	10 ~~38~~ 48 +~~45~~ 35.0 Alt. corr +.22 pc	Curve	Magn.
1					5.3	1.44	6.74
2					7.7	0.98	8.68
Near edge 3	3.2 3.1		6.11	9.31	8.3 ?	0.86	9.16
4	4.1 4.0	4.15 1.0 4.2	5.96	10.11	9.8	0.67	10.47
5		4.3	5.93	10.23	F		
6		4.9	5.94	10.84			
7		6.0	5.63	11.63			
8		6.1	5.61	11.71			
9		6.3	5.57	11.87			
10		6.5	5.55	12.05			
11		6.5	5.55	12.05			
12		7.1	5.$\overset{4}{5}$7	12.57			
13		7.3	5.$\overset{4}{5}$5	12.75			
14		7.7	5.40	13.10			
15		8.1	5.36	13.46			
16		8.7	5.27	13.97			
17		9.3	5.16	14.46			
18		9.9	? 5.04	14.94			

Sequence does not come in center of plate.

MC Series 776

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SeV

Sept 11, 1917

Overex. 1m Corr +.09

MC 12632 DM Ref. 11 0 +82.5

Ret. corr + .08

.17

	Sc 1		Sc 2	Curve Magn.		PC			
1	B					6.0		1 ~~5~~.42	7.42
2	B					7.3		1.06	8.36
3	B					7.7		0.98	8.68
4	3.5 34			6.06 ~~5.74~~	9.56	9.0		0.74	9.74
5	3.9 3.8	3.90 °°	3.9	6.00	9.90	9.5	9.60±1 9.7	7 0.68	10.27
6			4.1	5.96	10.06	9.8		0.66	10.46
7			4.3	5.93	10.23	F			
8			5.1	5.80	10.90				
9			5.8	5.67	11.47				
10			6.1	5.61	11.71				
11			6.60±1 6.7 6.5	5.53	12.13				
12			6.9	5.50	12.40				
13			7.4	5.43	12.83				
14			7.3	5.44	12.74				
15			7.60±1 7.5 7.7	5.40	13.00				
16			7.7	5.40	13.10				
17			7.9	5.38	13.28				
18			8.3	5.34	13.64				
19			9.5? Scr.	5.12	14.62				
20			9.60±1 9.5 9.7	5.10	14.70				

MC Series 776

SeV

Sept 11, 1917

MC 12633 Pole

	Sc 1		Sc 2	Curve	Magn.	PC	Curve	Magn.
5						5.1	1.47	6.57
6						5.5	1.40	6.90
8						7.1	1.10	8.20
9						7.9	0.94	8.84
10	$\overset{3.0}{2.9}$			6.15	9.15	8.1	0.90	9.00
11	$\overset{3.5}{3.4}$			6.06	9.56	8.8	0.77	9.57
12	$\overset{4.0}{3.9}$	4.00^{00}	4.0	5.99	9.99	9.2	0.70	9.90
13			4.6	5.89	10.49	9.8	0.6~~3~~6	10.46
14			4.9	5.83	10.73			
15			5.3	5.76	11.06			
16			5.8	5.67	11.47			
17			6.0	5.63	11.63			
18			6.5	5.55	12.05			
19			6.9	5.50	12.40			
20			7.3	5.44	12.74			
23			7.9	5.38	13.28			
25			8.5	5.30	13.80			
26			9.0	5.22	14.22			
27			9.7	5.08	14.78			

3 – 20

Mc Series 776

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Card.

DeV Sept 11, 1917

3 30 Mc 12634 DMRij 11 30 − 17.5 Alt. corr −.24

	Sc 1	Sc 2	Curve	Magn.	Pc		Curve	Magn.
1					6.0		1.32	7.32
2	3.5 3.4		6.06	9.56	9.1		0.73	9.83
3	3.6 3.5 3.70±1	3.8	6.03	9.73	9.9	? Im poor –	0.65	10.55
4		4.1	5.97	10.07	9.9		0.65	10.55
5		4.4	5.91	10.31				
6		5.4	5.74	11.14				
7		5.7	5.68	11.38				
8		6.1	5.61	11.71				
9		6.5	5.55	12.05				
10		6.40±1 6.3 6.5	5.57	11.97				
11		6.8	5.51	12.31				
12		7.1	5.47	12.57				
13		7.4	5.43	12.83				
14		7.3	5.44	12.74				
15		7.9	5.38	13.28				
16		8.3	5.33	13.63				
17		8.9	5.24	14.14				
18		9.0	5.21	14.21				
19		9.85±01 9.8 9.9	5.06	14.91				
20		9.9	5.04	14.94				

MC Series 776

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Card

Sc V

Sept 11, 1917

MC 12635 11 30 - 12.5

Alt. corr - 13

	Sc 1	Sc 2	Corr	Magn.	PC	Corr	Magn.
1	B				5.8	1.45	7.35
2	B				6.7	1.20	7.90
3	B				7.3	1.16	8.46
4	3.5 3.4		6.07	9.57	8.9	0.74	9.64
5		4.8	5.84	10.64	9.60±1 9.5 9.7	0.67	10.27
6		5.6	5.70	11.30			
7		6.1	5.61	11.71			
8		7.1	5.47	12.57			
9		7.3	5.44	12.74			
10		7.5	5.43	12.93			
11		7.7	5.40	13.10			
12		8.7	5.27	13.97			
13		8.9	5.24	14.14			
14		9.0	5.21	14.21			
15		9.40 9.3 9.5	5.14	14.54			

Mc Series 776

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Card.

SeV

Sept 11, 1917

Carte.

Mc 12637 12 0 − 10 0 DM Ref.

air corr −.08

	Se1		Se2	Cn	magn	Pc	Cn	magn
1	B					7.8	0.96	8.76
2	B					8.0	0.92	8.92
3	B					8.1	0.90	9.00
4	3.0 2.9			6.16	9.16	8.3	0.86	9.16
5	3.6 3.5			6.04	9.64	9.1	0.73	9.83
6	4.0 3.9	4.05 °1	4.1	5.97	10.02	9.8	0.67	10.47
7	4.2 4.1	4.20 °°	4.2	5.95	10.15	9.9	0.66	10.56
8			4.3	5.94	10.24	9.9	0.66	10.56
9			5.3	5.76	11.06			
10			6.0	5.63	11.63			
11			6.1	5.61	11.71			
12			6.1	5.61	11.71			
13			6.8	5.51	12.31			
14			7.2	5.47	12.67			
15			7.7	5.40	13.10			
16			7.5	5.43	12.93			
17			8.2	5.35	13.55			
18			8.7	5.27	13.97			
19		w.s	~~8.7~~ 9.3	5.16	14.46			
20			9.9?	5.04	14.94			

MC Series 776

Copied B38;53

Card

ScV

Sept 11, 1917

MC 12638 DM Ref 12 30-17.5

Alt. corr. -.24

	Sc 1		Sc 2	Curve	Magn.	Pe		Curve	Magn.
1	B					5.1		1.47	6.57
2	B					6.1		1.30	7.40
3	B					7.7		0.99	8.69
4	B					7.9		0.93	8.83
5	3.1 3.0			6.15	9.25	8.7		0.79	9.49
6	4.0 3.9	4.00	4.0	5.99	9.99	9.8	9.850 9.9	0.66	10.51
7			4.7	5.86	10.56				
8			5.0	5.81	10.81				
9			5.5	5.72	11.22				
10			5.9	5.65	11.55				
11			6.3 6.40!! 6.5	5.57	11.97				
12			6.7	5.52	12.22				
13			7.4	5.43	12.83				
14			7.5	5.42	12.92				
15			8.0	5.38	13.38				
16			8.2	5.35	13.55				
17			8.7	5.27	13.97				
18			9.8	5.07	14.87				
19			9.8	5.07	14.87				
20			F						

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Card

MC Series 776

ScV

Sept 11, 1917

Overexposed 1m Corr +.09

Alt. corr +.02

MC 12636   11 30 - 2.5

	Sc1		Sc2	Curve	Magn.	PC		Curve	Magn.	
1						6.0	5.90'' 5.8	1.34	7.24	+.17
2						5.9		1.34	7.24	
3						7.5		1.02	8.52	
4						7.9		0.94	8.84	
5	3.2 3.1			6.01 ~~5.75~~	9.21	8.5		0.81	9.31	
6	3.9 3.8	3.90°°	3.9	6.00	9.90	9.0		0.74	9.74	
7			4.3	5.93	10.23	9.5	9.60L' 9.7	0.68	10.28	
8			5.1	5.80	10.90					
9			5.4	5.74	11.14					
10			6.3	5.58	11.88					
11			6.7	5.52	12.22					
12			7.1	5.47	12.57					
13			7.3	5.45	12.75					
14			7.7	5.40	13.10					
15			8.0 8.05 01 8.1	5.37	13.42					
16			8.9	5.24	14.14					
17			9.3 9.20'' 9.1	1 5.39	14.39					

Measured out of order by mistake.

Mc Series 776

DeV

Sept 11, 1917

Mc 12639 Pole

	Se 1	Se 2	PC
5			5.0
6			5.4
8			7.1
9			7.9
10	2.8 2.7		8.1
11	3.3 3.2		8.8
12	3.6 3.5		9.1 9.40 1
13	4.3 4.2	4.30^{00} 4.3	9.3-9.5
14		4.9	
15		5.1	
16		5.5	
17		5.8	
18		6.7	
19		7.0	
20		7.3	
23		7.9	
25		8.7	
26		9.1	
27		9.9	

See page 4

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MC Series 779

Sheet no 394

ScV

Sept 13, 1917

12 – 10 MC12673 Pole

	Sc1	Sc2	12678 p21	Pc
5				5.2 5.0 5.10^{11} 1.39
6				5.7 5.7 5.70^{00} 1.41
8				7.2 7.2 7.20^{00} 1.03
9	3.10^{11}			7.8 8.0 7.90^{11} 0.93
10	3.2 30 3.1 2.9		3.3 3.20^{1010} 5.82	8.1 8.1 8.10^{00} 0.92
11	3.6 3.5		3.6 3.60^{00} 5.95	8.7 8.9 8.80^{11} 0.75
12	4.0 3.9 4.00^{00}	4.0	4.10 4.05^{0505} 5.81	9.0 9.2 9.10^{11} 0.76
13		4.7	4.7 4.70^{00} 5.60	9.7 9.7= 0.68
14		5.1	5.00^{11} 4.9 5.1 5.05^{0505} 5.60	
15		5.5	5.3 5.40^{11} 5.68	
16		6.1	6.1 6.10^{00} 5.30	
17		6.3	6.3 6.30^{00} 5.33	
18		6.9	7.0 6.95^{10} 5.11	
19		7.2	7.2 7.20^{00} 5.22	
20		7.3	7.5 7.40^{11} 5.33	
23		7.9	8.0 7.95^{10} 5.39	
25		8.9	8.80 8.85^{0505} 5.02	
26		9.4	9.3 9.35^{01} 4.98	
27		9.8	9.8 9.80^{00} 4.89	
28		7		

Mc Series 779

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Card.

Set

Sept 13, 1917

Alt. corr −45

Mc 12674 Date −8 υ −23.5

	Sc 1	Sc 2	Cu	magn	PC	Cu	magn
1					4.9	1.50	6.40
2					6.5	1.24	7.74
3					7.5	1.03	8.53
4					7.9	0.96	8.86
5	2.8 2.7		6.09	8.89	8.1	0.92	9.02
6	3.4 3.3		5.95	9.35	Non def.		
7	3.3 3.2		5.97	9.27	9.1 ? poor im.	0.71	9.81
8	4.3 4.2	4.35±0 4.4	5.74	10.09	9.9 ft.	0.56	10.46
9		4.9	5.63	10.53			
10		5.6	5.50	11.10			
11		5.9	5.46	11.36			
12		6.7	5.35	12.05			
13		7.3	5.25	12.55			
14		7.3	5.25	12.55			
15		7.6	5.21	12.81			
16		7.9	5.17	13.07			
17		8.40±1 8.3 8.5	5.11	13.51			
18		8.7	5.07	13.77			
19		9.00±1 8.9 9.	15.03	14.03			
20		9.5	4.98	14.48			

Images poor – not circular & hazy –

MC Series 779

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Card.

Sex

Sept 13, 1917

MC 12675 Dm Ref. 8 10-17.5 Alt. corr -.25

	Sc 1		Sc 2		Curve	Magn.	PC	Curve	Magn.
1							6.1	1.41	7.51
2							7.2	1.09	8.29
3							7.9	0.95	8.85
4	3.0 2.9				6.03	9.03	8.3	0.89	9.19
5	3.3 3.2				5.97	9.27	8.7	0.80	9.50
6	3.9 3.8	3.90^{00}	3.9		5.85	9.75	9.2	0.69	9.89
7	4.4 4.3	4.45^{01}	4.5		5.71	10.16	7		
8			5.00^{11} 5.1	4.9	5.61	10.61			
9			5.3		5.56	10.86			
10			6.1		5.43	11.53			
11			6.80^{11} 6.7	6.9	5.32	12.12			
12			7.00^{11} 6.9	7.1	5.30	12.30			
13			7.2		5.28	12.48			
14			7.60^{11} 7.7	7.5	5.21	12.81			
15			7.9		5.17	13.07			
16			8.7		5.07	13.77			
17			8.900^{11} 8.9	9.1	5.05	13.95			

MC Series 779

Copied 38:64

Del

Sept 13, 1917

MC 12676 Eros 8 10 + 25

Alt. corr + .07

		Sc 1		Sc 2	Curve	Magn.	PC		Curve	Magn.
Seq-Apr. 15.	A			4.3	5.76	10.66				
	B	B					5.7		☆1.48	7.18
	D	3.9 3.8	±0 3.95	4.0	5.84	9.79	9.8		0.57	10.37
	E			40	5.82	9.82	9.5		0.62	10.12
	a			6.7	5.34	12.04				
	b			6.5	5.37	11.87				
	c			6.5	5.37	11.87				
	f			7.8	5.19	12.99				
	β			8.5	5.10	13.60				

Copied 38:65

Seq Apr 17										
	a	B					6.1		1.31	7.41
	B	4.0 3.9	4.00 00	4.0	5.82	9.82	9.8		0.57	10.37
	C			3.9	5.85	9.75	9.5	9.60 ±1 9.7	0.51	10.11
	a			7.1	5.29	12.39				
	b			7.7	5.20	12.90				
	c			7.3	5.25	12.55				
	d			7.5	5.23	12.73				
	f			7.7	5.20	12.90				
	g			4.1	$5.\overset{8}{3}0$	9.90	9.8		0.57	10.37
	h			6.5	5.37	11.87				

Copied 38:66

Seq Apr 18	A			47	5.16	9.86	F			
	B			4.9	5.13	10.03				
	D	3.9 3.8	00 3.90	3.9	5.85	9.75	9.3 ~~9.8~~	9.45 ±2 9.6	0.64	10.09
	E	3.8 3.7	±1 3.90	4.0	5.85	9.75	9.7		0.59	10.29
	a			67	5.34	12.04				

MC Series 779

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ScV Sept 13, 1917 Eros 1901

MC 12676 cont

Alt. corr + .07

			Sc 2	Curve	Magn.
	b	w.u.	$\overset{6}{7}.4$	5.39	11.79
	c	w.u.	$\overset{6}{7}.5$	5.37	11.87
	d		7.3	5.25	12.55
	f		7.3	5.25	12.55
Seq. Ap 19	A		4.7	5.67	10.37
	B		4.9	5.63	10.53
	C		4.9	5.63	10.53
	a		6.0	5.45	11.45
	b		6.9	5.31	12.21
	d		7.1	5.29	12.39
	f		6.9	5.31	12.21
	g		7.9	5.17	13.07

Seq. Ap 20

A Off Pl.
B
C
D
E
a
b
c
d
f

Images on edge of plate. Too poor

MC Series 779

S.N

Sept 13, 1917

Copied B 38:56

Card

MC 12677 8 20 - 5.0 Dm Ref

Acc. wr. 0.0

	Sc 1	Sc 2	Curve	Magn.	PC	Curve	Magn.
1	B				5.1	1.47	6.57
2	B				6.9	1.16	8.06
3	B				7.5	1.04	8.54
4	B				8.1	0.9 ~~1.0~~3	9.03
5	3.3 3.2		5.97	9.27	8.6 0.1 8.5 8.7	0.82	9.42
6	3.7 3.5		5.88	9.58	9.1	0.71	9.81
7	4.2 4.1	4.25 01 4.3	5.77	10.02	9.8	0.57	10.37
8		4.9	5.63	10.53			
9		5.3	5.56	10.86			
10		5.5	5.51	11.01			
11		6.3	5.40	11.70			
12		6.7	5.34	12.04			
13		7.1	5.29	12.39			
14		7.7	5.20	12.90			
15		8.5	5.10	13.60			
16		9.1	5.03	14.13			
17		9.5	4.99	14.49			

MC Series 779

Se V

Sept 13, 1917

MC 12678 Pole

	Se 1	Se 2	PC
5			5.0
6			5.7
8			7.2
9			8.0
10	3.3 3.2		8.1
11	3.6 3.5		8.9
12	4.1 4.0 4,10°°	4.1	9.2
13		4.7	7
14		5.1	
15		5.3	
16		6.1	
17		6.3	
18		7.0	
19		7.2	
20		7.5	
23		8.0	
25		8.80'' 8.9 8.7	
26		9.3	
27		98	

See page 15

2 ; 10

10 ; 15

Scv

Mc Series 779

Sheet no394

Sept. 14, 1917

Mc 12678 Sole

	Sc 1		Sc 2 12684 p^{28}				Pc			
5							5.2	5.0	5.10^{11}	1,39
6							5.7	5.7	5.70^{00}	1,41
8							7.2	7.2	7.20^{00}	1.03
9							7.9	8.0	7.95^{10}	0,88
10	3.3 3.2			3.1	3.20^{11}	5,82	8.2	8.2	8.20^{00}	0,82
11	3.8 3.7			3.5	3,65^{21}	5,90	8.8	8.8	8.80^{00}	0,75
12	4.1 4.0	4.10^{00}	4.1	3.9	4.00^{1010}	5,86	9.2	9.3	9.25^{01}	0,61
13			4.7	4.6	4.65^{10}	5,65	F			
14			5.2	5.0	5,10^{11}	5,55				
15			5.5	5.4	5.45^{10}	5,63				
16			6.2	6.0	6.10^{11}	5,30				
17			6.4	6.3	6.35^{01}	5,28				
18			7.0	7.0	7.00^{00}	5.06				
19			7.3	7.2	7.25^{10}	5,17				
20			7.5	7.5	7.50^{00}	5,23				
23			8.0	8.1	8,05^{01}	5,29				
25			8.7	8.9	8,80^{11}	5,07				
26			9.3	9.5	9,40^{11}	4,93				
27			9.9		9.9^{9}	4,79				
~~28~~										

Card.

MC Series 779

Copied B10: 150

DeV

Sept 14, 1917

MC 12679 Date 9 0 − 16.5

QA. corr − .22

	Se1	Se2	Cu	magn	Pc	Cu	magn
1					6.0	1.25	7.25
2					7.2	1.00	8.20
3	3.55±0 3.5 3.6 3.4 3.5		5.87	9.42	8.9	0.67	9.57
4	3.6 3.5		5.86	9.46	8.9	0.67	7 9.59
5	4.1 4.0 4.10°°	4.1 ~~6.4~~ W.S	5.76	9.86	9.5	0.55	10.05
6		4.8	5.61	10.41	10.0		
7		5.7	5.40	11.10			
8		5.9	5.37	11.27			
9		6.4	5.27	11.67			
10		7.0	5.20	12.20			
11		7.2	5.18	12.38			
12		7.9	5.12	13.02			
13		7.9	5.12	13.02			
14		8.3	8.40±1 8.5 5.07	13.47			
15		8.5	5.06	13.56			
16		8.7	5.04	13.74			
17		8.9	5.00	13.90			
18		9.5	4.88	14.38			
19		9.9	4.78	14.68			
20		n.s					

MC Series 779

Copied B.38:57

Card

ScV

Sept 14, 1917

MC 12680 Dm Ref 9 12 + 35

Abs. corr + .22

	Sc 1		Sc 2		Curve	Magn.	PC		ℰ Curve	Magn.
1							4.3			
2							5.1		1.41	6.51
3							6.4		1.17	7.57
4							7.7		0.90	8.60
5	3.5 3.4				5.88	9.38	8.5	8.60 1'1 8.7	0.73	9.33
6	4.4 4.3	4.35 01	4.3		5.71	10.06	9.5		0.55	10.05
7			4.7		5.64	10.34	9.8			
8			5.7		5.40	11.10				
9			6.1		5.32	11.42				
10			6.5	6.60 1'1 6.7	5.24	11.84				
11			6.7		5.23	11.93				
12			7.1		5.19	12.29				
13			7.5		5.16	12.66				
14			7.8		5.14	12.94				
15			8.4		5.08	13.48				
16			9.1		4.98	14.08				
17			9.3	9.40 1'1 9.5	4.90	14.30				

MC Series 779

Sct Sept 14, 1917

Copied B37: 28,30.

Card.

MC 12681 B4 9 20 + 45

Alt-corr + .22

		Sc 1		Sc 2		Curve	Magn.	PC		Curve	Magn.				Curve	Magn.
	1	B						6.2		1.$\overset{2}{8}$1	7.41	29	8.1		5.10	13.20
on edge	2	B						6.4		1.18	7.58	30	8.3		5.09	13.39
	3							6.3		1.20	7.50	31	8.9		5.00	13.90
	4							6.7		1.11	7.81	32	9.3	$\overset{9.40''}{9.5}$	4.90	14.30
Off Pl.	5	.						.		.	.	33	9.9		4.75	14.65
?	6							.		.	.	34	F			
	7							7.5		0.95	8.45					
	8	.						7.8		0.88	8.68					
	9	$\overset{3.0}{2.9}$				6.00	9.60	8.0		0.84	8.84					
	9a	$\overset{3.2}{3.1}$				5.95	9.15	8.1		0.82	8.92					
	10	$\overset{3.4}{3.3}$				5.9~~3~~1	9.31	8.5		~~0.82~~ 0.75	9.25					
	11	$\overset{4.0}{3.9}$	3.95 01	3.9		5.79	9.69	8.7		0.70	9.40					
	12	$\overset{4.1}{4.0}$	4.10 00	4.1		5.76	9.86	9.2	$\overset{9.15\ 01}{9.1}$	0.61	9.76					
	13			3.9		5.80	9.70	8.9		0.67	9.57					
	14			4.7		5.64	10.34	9.5		0.55	10.05					
	15 ←			4.7		5.64	10.34	9.8								
	16			5.1		5.55	10.65	F								
	17			5.9	$\overset{5.80''}{5.7}$	5.38	11.18									
	18			5.4		$\overset{5}{\cancel{4}}$.48	10.88									
	19			5.8		$\overset{5}{\cancel{4}}$.38	11.18									
	19a			6.1		5.32	11.42									
	20			6.5		5.26	11.76									
	21			5.8		5.38	11.18									
	22			6.5	$\overset{6.60''}{6.7}$	5.24	11.84									
	23			6.9		5.21	12.11									
	24			7.0		5.20	12.20									
	25			6.9		5.21	12.11									
	26			7.2		5.19	12.39									
	27			7.7		5.14	12.84									
	28			7.9		5.13	13.03									

MC Series 779

Copied B 38:5-8

Card.

DeV

Sept 14, 1917

MC 12682 9 40 – 17.5

Ab. corr. –.27

	Sc 1		Sc 2	Curve	Magn.	PC	Curve	Magn.
1	B					7.8	0.88	8.68
2	B					8.40!! 8.5 8.3	0.77	9.17
3	B					8.3	0.78	9.08
4	3.5 3.4			5.88	9.38	8.7	0.71	9.41
5	3.9 3.8	3.90°°	3.9	5.80	9.70	9.0	0.65	9.65
6			4.9	5.59	10.49	F		
7			5.2	5.51	10.71			
8			6.3	5.29	11.59			
9			6.5	5.26	11.76			
10			6.3	5.29	11.59			
11			7.1	5.19	12.29			
12			7.3	5.18	12.48			
13			7.7	5.14	12.84			
14			8.1	5.11	13.21			
15			8.4	5.08	13.48			
16			9.0	4.99	13.99			
17			9.4	4.90	14.30			
18			9.5	4.88	14.38			
19			F					

Sequence does not come in center of plate

MC Series 779

Copied B38:59

Card.

DeV

Sept 14, 1917

All corr -.01

MC 12683 9 39 – 5.0

				Curve	Magn.		Curve	Magn.
1	B					6.7	~~Cu~~ 1.11	7.81
2	B					8.0	0.84	8.84
3	4.2 4.1	4.25^{01}	4.3	5.73	9.98	F	.	.
4	4.2 4.1	4.25^{01}	4.3	5.73	9.98	9.9	.	.
5			4.3	5.71	10.01	9.9	.	.
6			4.9	5.59	10.49			
7			5.7	5.60!! 5.5 5.42	11.02			
8			5.3	5.50	10.80			
9	w.s		~~6.7~~ 6.3	5.29	11.59			
10			6.1	5.32	11.42			
11			7.0	5.20	12.20			
11a			7.5	5.16	12.66			
12			7.8	5.13	12.93			
13			8.1	5.10	13.20			
14			8.7	5.04	13.74			
15			8.9	5.00	13.90			
16			9.2	4.96	14.16			
17			9.9	~~4.78~~	14.68			

Mc Series 779

Sc V

Sept 14, 1917

Mc 12684 Pole

	Sc 1	Sc 2	PC
5			5.0
6			5.7
8			7.2
9			8.0
10	3.1 3.0		8.2
11	3.5 3.4		8.8
12		3.9	9.3
13		4.6	F
14		5.0	
15		5.4	
16		6.0	
17		6.3	
18		7.0	
19		7.2	
20		7.5	
23		8.1	
25		8.9	
26		9.5	
27		F	

12 : 20

MC Series 780

Sheet no 393

Sept 17, 1917

10 —

ScV MC 12687 Pole

	Sc 1	Sc 2	12692 12698 P34 p40	Pc	
5				1 1 1 5,3 5.1 5.3 5.23	1,26
6				1 0 1 6,1 6.0 5.9 6.00	1.11
8				1 1 1 7,5 7.3 7.3 7.37	0,86
9				1 0 0 8,1 8.0 8.0 8.03	0,80
10	3.1 3.0		2 0 1 3.3 3.4 3.27 5,75	0 0 1 8,3 8.3 8.2 8.27	0.75
11	3.6 3.5		1 1 1 3.6 3.8 3.67 5,88	2 0 1 8.7 8.9 9.0 8.89	0.66
12	3.9 3.8 3.95 05 05	4.00 1 1 4.1	12 03 08 3.9 4.10 4.15 4.07 5,79	1 1 1 0 0 9,1 9.1 9.3 9.13 7	0.69
13		4,7	0 0 0 4.7 4.7 4.70 5,50	0 2 1 9,7 9.5 9.8 9.67	0,63
14		5,1	0 0 1 5,1 5.2 5.13 5,52	0 0 9,9 9.9 9.90	0.75
15		5,3	1 0 1 5,4 5.5 5.40 5,68		
16		6,1	0 0 0 6.1 6.1 6.10 5,30		
17		6,3	7 1 1 1 6.5 6.3 6.39 5,26		
18		6,9	1 0 0 7.0 7.0 6.97 5,09		
19		7.1	1 0 1 7.2 7.3 7.20 5,22		
20		7,5	0 0 0 7.5 7.5 7.50 5,23		
23		8,1	0 1 0 0 8.1 8.0 8.03 5,31		
25		9.1	8.7 30 10 20 ~~9.3~~ 8.60 8.80 5,07		
26		9,5	2 0 3 9.3 9.0 9.27 5,06		
27		9.9	9.85 1 0 13 02 12 9.8 9.7 9.60 9.72 4.97		
28		7	10.0? * 5.11		

MC Series 780

Dcv

Sept 17, 1917

Copied B10:162

Card.

MC 12688 Scale 8 44 - 23.5

Act cor - 45

	Sc 1		Sc 2	Cn	Magn	PC	Cn	magn
1						5.8	1.16	6.96
2						7.1	0.90	8.00
3						7.7	0.80	8.50
4	3.1 3.0			5.95	9.05	8.1	0.77	8.87
5	3.5 3.4			5.84	9.34	8.6 0'' 8.7 8.5	0.71	9.31
6	4.1 4.0	4.10°°	4.1	5.70	9.80	9.1	0.69	9.79
7	4.0 3.9	4.05°'	4.1	5.71	9.76	9.3	0.69	9.99
8			5.1	5.50	10.60			
9			5.5	5.43	10.93			
10			6.2	5.31	11.51			
11			6.20'' 6.1 6.3	5.31	11.51			
12			7.1	5.20	12.30			
13			7.5	5.16	12.66			
14			7.7	5.13	12.83			
15			7.9	5.12	13.02			
16			8.3	5.10	13.40			
17			8.3	5.10	13.40			
18			9.1	5.07	14.17			
19			9.1	5.07	14.17			
20			9.40'' 9.3 9.5	5.07	14.47			

MC Series 780

Copied B38: ~~60~~ 55

Card

Sc V

Sept 17, 1917

MC 12689   Dm Ref 8   10 - 17.5   Alt. corr. -.25

	Sc 1		Sc 2	Curve	Magn.	PC	Curve	Magn.
1						6.7	0.98	7.68
2						7.3	0.87	8.17
3	3.1 3.0			5.95	9.05	8.1	0.76	8.86
4	3.4 3.3			5.87	9.27	8.3	0.75	9.05
5	3.6 3.5			5.82	9.42	8.5	0.73	9.23
6	4.4 4.3	4.40	4.4	5.63	10.03	9.3	0.68	9.98
7			5.1	5.50	10.60			
8			5.9	5.36	11.26			
9			6.25 01 6.2 6.3	5.31	11.56			
10			7.05 01 7.0 7.1	5.21	12.26			
11			7.5	5.16	12.66			
12			7.60 11 7.7 7.5	5 5.14	12.75			
13			7.7	5.14	12.84			
14			7.9	5.12	13.02			
15			8.4	5.09	13.49			
16			8.8	5.08	13.88			
17			9.3	5.06	14.36			
~~18~~								

MC Series 780

Copied B38:61

Card

ScV

Sept 17, 1917

MC 12690 DM Ref 8 10 +22.5

Alt. corr +.19

	Sc1		Sc2	Curve	Magn.	PC		Curve	Magn.
1	B					7.8		0.80	8.60
2	3.2 3.1			5.91	9.11	8.3		0.75	9.05
3	4.0 3.9	3.95^{01}	3.9	5.74	9.69	9.1		0.69	9.79
4	3.9 3.8	3.90^{00}	3.9	5.75	9.65	9.0	9.15^{31} 9.3	0.69	9.80
5			4.3	5.65	9.95	9.5		0.69	10.19
6			5.1	5.50	10.60				
7			5.2	5.49	10.69				
8			6.1	5.33	11.43				
9			6.70^{22} 6.9 6.5	5.25	11.95				
10			7.1	5.20	12.30				
11			7.7	5.14	12.84				
12			7.7	5.14	12.84				
13			8.0	5.11	13.11				
14			8.2	5.10	13.30				
15			8.7	5.08	13.78				
16			9.2	5.07	14.27				
17			9.75^{01} 9.8 9.7	5.06	14.81				

MC Series 780

Copied B38:56

Se V

Sept 17, 1917

Card

MC 12691 Dm Ref. 8 20-5.0

Alt corr -01

	Sc1	Sc2	Curve	Magn.	Pc	Curve	Magn.
1	B				5.1	1.30	6.40
2					6.8	0.96	7.76
3					7.3	0.87	8.17
4	3.0 2.9 3.55±0		~~5.83~~		8.1	0.76	8.86
5	3.5 3.6 3.4 3.5		5.83	9.38	8.80± 8.9 8.7	0.70	9.50
6	4.0 3.9 3.95 01	3.9	5.74	9.69	8.9	0.70	9.60
7		4.3	5.65	9.95	9.40±1 9.3 9.5	0.69	10.09
8		5.2	5.49	10.69			
9		5.5	5.43	10.93			
10		5.8	5.39	11.19			
11		6.4	5.29	11.69			
12		6.7	5.25	11.95			
13		7.2	5.20	12.40			
14		7.8	5.13	12.93			
15		8.1	5.10	13.20			
16		9.0	5.07	14.07			
17		9.5	5.06	14.56			

Mc Series 780

SeV Sept 17, 1917

Mc 12692 Pole

	Sc 1		Sc 2	pc
5				5.1
6				6.0
8				7.3
9				8.0
10	3.3 3.2			8.3
11	3.6 3.5			8.9
12	4.1 4.0	4.10^{00}	4.1	9.1
13			4.7	9.5
14			5.1	9.9
15			5.4	
16			6.1	
17			6.5	
18			7.0	
19			7.2	
20			7.5	
23			8.0	
25			8.7	
26			9.3	
27			9.7	
28			10.0 ?	

See page 29

11 : 10

MC Series 780

Copied 38:68

Sc V

Sept 17, 1917

Card.

11 – 25 MC 12693 Eros 1893 10 40 – 15 0 QU. corr – 18

	Sc 1		Sc 2	Curve	Magn.	PC	Curve	Magn.
1	B					6.5	1.01	7.51
2	3.5 34			5.84	9.34	8.9	0.70 ~~1.20~~	9.60
3	3.9 3.8	3.85^{10}	3.8	5.75	9.60	9.1	0.69	9.79
4			4.7	5.57	10.27	9.7	0.70	10.40
5			4.8	5.56	10.36	9.7	0.70	10.40
6			5.3	5.47	10.77			
7			6.2	5.31	11.51			
8			6.4	5.29	11.69			
9			6.7	5.25	11.95			
10			7.2	5.19	12.39			
11			7.5	5.16	12.66			
12			7.7	5.14	12.84			
13			7.7	5.14	12.84			
14			8.3	5.10	13.40			
15			8.9	5.07	13.97			
16			9.20±' 9.1 9.3	5.07	14.27			
17			9.8	5.06	14.86			
18								

MC Series 750

Sev Sept 17, 1917

Copied B38:62

Card

alt. corr –.07

MC 12694 DM Ref 10 40–10

	Sc 1		Sc 2	Curve	Magn.		Curve	Magn.
1	B					6.1	1.09	7.19
2	B					7.3	0.87	8.17
3	4.0 39	4.00°°	40	5.72	9.72	9.0	0.20	9.70
4	4.2 4.1	4.20°°	4.2	5.68	9.88	9.3	0.69	9.99
5	4.2 4.1	4.25°1	4.3	5.67	9.92	9.3	0.69	9.99
6			5.1	5.50	10.60			
7			5.8	5.38	11.18			
8			6.1	5.33	11.43			
9			6.4	5.29	11.69			
10			6.95 01 7.0 6.9	5.22	12.17			
11			7.1	5.20	12.30			
12			7.5	5.16	12.66			
13			7.7	5.14	12.84			
14			7.7	5.14	12.84			
15			8.1	5.11	13.21			
16			8.5	5.09	13.59			
17			8.95 01 9.0 8.9	5.07	14.02			
18			8.8	5.08	13.88			
19			9.9	5.06	14.96			
20			10.0	5.06	15.06			

MC Series 780

Copied B37: 120 + 122
Card

Sct

Sept 17, 1917

MC 12695 D6 11 7 — 15.0

Alt. corr -15

	Sc1	Sc2	Curve	Magn.	PC	Curve	Magn.				Curve	Magn.
1	B				6.1	~~Curve~~ 1.19	7.29	29	8.0		5.11	13.11
2	B				6.7	0.99	7.69	30	~~8.3~~	8.1	5.10	13.20
3	B				6.3	1.05	7.35	31	8.0		5.11	13.11
4	B				6.5	1.01	7.51	32	8.40 '1 8.5	8.3	5.09	13.49
5	B				7.2	0.89	8.09	33	8.3		5.10	13.40
6					7.5	0.84	8.34	34	8.7		5.08	13.78
7					7.5	0.84	8.34	35	8.9		5.07	13.97
8					7.9	0.79	8.69	36	9.1		5.07	14.17
9	3.2 3.1		5.92	9.12	8.0	0.78	8.78					
10	3.4 3.3		5.87	9.27	8.3	0.74	9.04					
11	3.3 3.2		5.89	9.19	8.3	0.74	9.04					
12	3.5 3.4		5.84	9.34	8.7	0.70	9.40					
13	3.6 3.5 $3.70^{11'}$	3.8	5.80	9.50	8.9	0.70	9.60					
14	3.6 3.5 $3.75^{21'}$	3.9	5.78	9.53	8.9	0.70	9.60					
15	4.0 3.9 4.00^{00}	4.0	5.72	9.72	9.1	0.69	9.79					
16	4.1 4.0 4.15^{10}	4.2	5.69	9.80	9.2	0.69	9.89					
17		4.7	5.57	10.27	9.3 9,40 2' 9.5	0.69	10.09					
Sm. along 18		5.0	5.52	10.52	9.7 ?	0.70	10.40					
19		5.4	5.44	10.84								
20		5.7	5.40	11.10								
21		5.9	5.36	11.26								
22		6.3	5.30	11.60								
23		6.9	5.23	12.13								
24		6.9	5.23	12.13								
25		7.0	5.21	12.21								
26		7.1	5.20	12.30								
27		7.3	5.18	12.48								
28		7.5	5.16	12.66								

Mc Series 780

Copied B38:63

Card

S c V Sept 17, 1917

Mc 12696 Dm Ref 11 10-75

Alt. corr. -.04

	Sc 1		Sc 2	Curve	Magn	PC	Curve	Magn
1	3.3 3.2			5.89	9.19	8.1	0.74	8.84
2	3.7 3.6	3.75 1°	3.8	5.78	9.53	8.7	0.70	9.40
3	4.0 3.9	4.05 01	4.1	5.71	9.76	8.9	0.70	9.60
4			5.00 11 5.1 4.9	5.52	10.52	9.8	0.70	10.50
5			4.90 1' 4.8 5.0	5.54	10.44	9.8	0.70	10.50
6			5.8	5.38	11.18			
7			6.2	5.32	11.52			
8			6.5	5.27	11.77			
9			6.8	5.24	12.04			
10			7.2	5.20	12.40			
11			7.4	5.17	12.57			
12			7.7	5.14	12.84			
13			7.8	5.13	12.93			
14			8.0	5.11	13.11			
15			8.3	5.10	13.40			
16			8.9	5.07	13.97			
17			9.1	5.07	14.17			
18			9.8	5.06	14.86			

11 — 15

Sc V

MC Series 780

Copied B38:51

Sept 17, 1917

MC 12697 Badly broken 11 30 -17.5 Alt. corr. -24.0

	Sc1	Sc2	Curve	Magn.	PC		Curve	Magn.
1	B				6.3		1.05	7.35
2	3.5 3.4		5.84	9.34	9.1	9.00 11 8.9	0.69	9.69
3	4.1 4.0 4.10°°	4.1	5.70	9.80	9.5	9.60 11 9.7	0.69	9.69
4	Too near crack		~~5.54~~	.				
5		4.9	5.54	10.44				
6		5.4	5.45	10.85				
7		5.9	6.05 12 6.2 5.34	11.39				
8		7.1	5.20	12.30				
9		7.3	5.18	12.48				
10		7.3	5.18	12.48				
11		7.7	5.13	12.83				
12	Too near cr.		.	.				
13		8.1	5.11	13.21				
14	Too near cr.		.	.				
15		8.5	5.09	13.59				
16		8.7	5.08	13.78				
17		9.1	5.07	14.17				
18		9.3	5.06	14.36				
19		9.8	5.06	14.86				
20	near cr.							

Poor Plate. Images poor.

Mc Series 780

Sc V

Sept 17, 1917

Mc 12698 8 ble

	Sc 1		Sc 2		PC
5					5.3
6					5.9
8					7.3
9					8.0
10	3.4 3.3				8.2
11	3.8 3.7				9.0
12	4.2 4.1	4.15^{01}	4.1		9.3
13			4.7		9.8
14			5.2		
15			5.5		
16			6.1		
17			6.3		
18			7.0		
19			7.3		
20			7.5		
23			8.0		
25			8.5	$8.60^{\pm 1}$ 8.7	
26			9.0		
27			9.5	$9.60^{\pm 1}$ 9.7	

See page 29

1/10

B. Series 415

11.45

Shut no 83

Dc N Sept 22, 1917

B 49440 b 4 7 +15

B 2.6 C av. magn. PC n.s

3.0 3.35^{01}

1 3.4 3.3 4.11

2 3.8 3.7 3.86

3.7

3 4.1 3.20^{00} 3.7 3.62

4.3

4 4.7 4.30^{00} 4.3 3.44

4.4 $4.40^{00\,00}$ 4.40

4a 4.8 4.3 4.5 3.55

5 5.1 3.31

6 4.9 3.46

7 5.3 3.44

8 5.5 3.37

9 6.0 3.34

6.5 6.60^{11}

9a w.s ~~7.2~~ 6.7 3.00

7.15^{01}

10 7.2 7.1 2.76

11 7.3 2.65

12 7.5 2.54

7.80^{11}

13 7.7 7.9 2.39

8.40^{11}

14 8.5 8.3 2.34

885^{10}

15 8.9 8.8 2.19

16 8.9 2.20

17 9.4 2.10

9.85^{10}

18 9.9 9.8 2.08

19 n.s

12100

Sc N. B Series 415

Copied B35,132

Sept 22, 1917

~~Mc~~ B 49441 Soupow alt. corr +.03

B 49442 C Cu ~~Curte~~ magn 6 pc 0 − 40 (B 49445 only)

	B		C			pc	Curve	Magn
1	2.6 3.0			4.17	6.77	ns	4.18	6.78
2	3.8 4.6	$4.00^{\pm.2}$	4.2	3.91	7.91		4.02	8.02
3	5.2 5.6	$5.15^{\pm.1}$	5.1	3.64	8.79		3.85	9.00
4			6.1	3.38	9.48		3.60	9.70
5			7.2	3.03	10.23		3.29	10.49
6			7.7	2.84	10.54		3.15	10.85
7			8.0 $8.10^{\pm.1}$ 8.2	2.70	10.80		3.04	11.14
8			9.0	2.41	11.41		2.78	11.78
9			9.5 $9.60^{\pm.1}$ 9.7	2.21	11.81		2.54	12.14
10			9.9	2.12	12.02		2.44	12.34
11			ns					

Curve and
Magn. super-
seded by
curve for
B 49445 only,
and magn.

B Series 415

Copied D 35, 180

Se N

Sept 22, 1917

	B $494\overset{4}{\cancel{3}}3$		Bate - 6		0 -64.5		alt. corr -15	
			e			pc n.s	~~Ceph~~ (B 49445 only)	magn.
1	$\overset{B\,2.6}{30}$			4.17	6.77		4.18	6.78
2	$\overset{2.9}{33}$			4.13	7.03		4.15	7.05
3	$\overset{3.6}{40}$	3.65^{01}	3.7	3.99	7.64		4.07	7.72
4	$\overset{5.4}{5.8}$	5.90^{00}	5.4	3.57	8.97		3.78	9.18
5			6.9	3.13	10.03		3.38	10.28
6			7.3 $\overset{7.40^{11}}{7.5}$	2.96	10.36		3.25	10.65
7			8.9	2.44	11.34		2.80	11.70
8			9.0	2.41	11.41		2.78	11.78
9			9.4	2.27	11.67		2.63	12.03
10			9.5 $\overset{9.60^{21}}{9.7}$	2.21	11.81		2.54	12.14
11			9.9	2.12	12.02		2.44	12.34

Curve and magn. superseded.

B Series 415

Copied B27:26

Sc N

Sept 22. 1917

B 49444 D4 Superseded 01 — 15 (B 49445 only) Alt corr +.18

	B 49444	C	D4			PC	Curve	Magn.
1	B2.6 30			4.17	6.77	n.S	4.18	6.78
2	2.8 32			4.14	6.94	"	4.17	6.97
3	2.8 32			4.14	6.94	"	4.17	6.97
4	3.5 39	3.55 ±1.0	36	4.00	7.55		4.08	7.63
5	3.6 40	3.70 ±1	38	3.97	7.67		4.06	7.76
6	4.1 45	4.15 ±1.0	42	3.87	8.02		4.00	8.15
7			44	3.82	8.22		3.98	8.38
8			4.60 ±1 45 47	3.77	8.37		3.95	8.55
9			4.1	3.89	7.99		4.00	8.10
10			4.7	3.76	8.46		3.93	8.63
11			5.1	3.66	8.76		3.86	8.96
12			5.60 ±1 5.7 5.5	3.52	9.12		3.73	9.33
13			5.5	3.54	9.04		3.75	9.25
14			6.00 ±1 5.9 6.1	3.40	9.40		3.63	9.63
15			6.2	3.36	9.56		3.56	9.76
16			5.7	3.50	9.20		3.70	9.40
17			6.1	3.37	9.47		3.59	9.69
18			6.3	3.32	9.62		3.54	9.84
19			6.5	3.26	9.76		3.49	9.99
20			6.8	3.17	9.97		3.40	10.20
21			7.20 ±1 7.1 7.3	3.03	10.23		3.30	10.50
22			7.9	2.77	10.67		3.10	11.00
23			8.1	2.70	10.80		3.03	11.13
24			8.60 ±1 8.5 8.7	2.56	11.16		2.90	11.50
25			8.90 ±1 9.0 8.8	2.45	11.35		2.80	11.70
26			9.1	2.37	11.47		2.73	11.83
27			9.3	2.31	11.61		2.66	11.96
28			9.85 ±10 9.9 9.8	2.13	11.98		2.48	12.33

B Series 415

ScN Sept 22, 1917

B 49445 b 4 —

			c			Pe
1	3.6 3.0			4.11	6.71	n.s
2	2.30 3.4			4.21	7.21	
3	3.4 3.8			3.92	7.32	
4	3.9 4.8	3.95±10	4.0	3.79	7.74	
4a	3.9 4.3	4.00±1	4.1	3.95	7.95	
5			4.5	3.91	8.41	
6			4.3 4.5	4.40±1 3.96	8.36	
7			4.7	4.04	8.14	
8			5.0	3.87	8.87	
9			5.5	3.84	9.34	
9a			5.9	3.72	9.62	
10			6.5	3.41	9.91	
11			6.5	3.45	9.95	
12			6.8	3.24	10.04	
13			6.9	3.29	10.19	
14			7.5	3.24	10.74	
15			8.0	3.04	11.04	
16			8.1	3.00	11.10	
17			8.5	8.60±1 8.7 2.90	11.50	
18			9.0	2.93	11.93	
19			9.7	2.42	12.12	
20			n.s			

~~Curve and magn. super-seded~~

No Pe's seen—

Diff images elongated—

12.40

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Sheet no 83

B Series 415

Sc N

October 3, 1917

10 – 55

B49445 D4

			C		cu. magn.	PC
1	3.6 3.03			4.11	4.08	6.68
2	3.4 3.7			3.91	4.02	7.32
3	3.5 3.9			3.82	4.01	7.51
4	3.9 4.3	3.95^{-10}	4.0	3.79	3.97	7.92
4a	4.0 4.4	4.10^{11}	4.2	3.85	3.96	8.06
5	4.3 4.7	08 07 4.38	4.45^{01} 4.4 4.5	4.03	3.92	8.30
6			4.5	3.86	3.90	8.40
7			4.7	4.04	3.87	8.57
8			5.0	3.87	3.82	8.82
9			5.5	3.84	3.72	9.22
9a			5.7	3.92	3.67	9.37
10			6.4	3.51	3.50	9.90
11			6.3	3.65	3.53	9.83
12			6.9	3.14	3.35	10.25
13			7.0	3.19	3.33	10.33
14			7.5	3.24	3.19	10.69
15			8.1	2.94	3.01	11.11
16			8.2	2.90	3.00	11.20
17			8.7	2.80	2.85	11.55
18			9.1	2.83	2.74	11.84
19			9.8	2.32	2.55	12.35

B Series 415

Copied 13 35:60

Sc N Oct 3, 1917

B 49446 Carte 4 — 16.5

abs. corr +.07

	B26		c		
1	3.0			4.09	6.69
2	3.7 4.7			3.99	7.69
3	8.9 4.3	3.95 1°	4.0	3.98	7.93
4			5.3	3.76	9.06
5			5.6 ± 1' 5.5 5.7	3.70	9.30
6			5.9	3.64	9.54
7			7.1	3.30	10.40
8			8.2	3.00	11.20
9a			9.0	2.77	11.77
10			9.8	2.56	12.36
11			9.7	2.57	12.27
12			7		
9			8.5	2.91	11.41

B Series 415

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DeN Oct 3, 1917

B 49447 Carte 7 vv − 51,5 Alt. corr −01

	B		C			
1	B.					
2	B					
3	2.4 2.8					
4	2.9 3.3				4.06	6.96
5	3.7 4.1				3.99	7.69
6	4.7 5.1	4.70°°	4.7		3.88	8.58
7	5.9 6.3	5.90°°	5.9		3.64	9.54
8			7.3		3.25	10.55
9			7.9	8.00:1 8.1	3.05	11.05
10			8.3		2.97	11.27
11			9.3		2.70	12.00
12			9.8	9.75 01 9.7	2.56	12.31
13			9.9	?	2.51	12.41

B Series 415

Copied B 34:63

Dec N

Oct 3, 1917

B 49448 171 K 7 — 45 alt. corr +.02

1	$\overset{3\ \mathrm{Bq}}{4.3}$	$4.00^{\pm 1}$	$\overset{C}{4.1}$	3.97	7,97
2	B				
3	$\overset{4.7}{5.1}$	4.70^{00}	4.7	3.87	8,57
4			5.7	3.67	9,37
5			6.1	3,58	9,68
6			7.2	3.27	10,47
7			8,1	3.03	11,13
8			8.7	2.87	11,57
9			8.9	2,80	11,70
10		w.s	9.5 ~~9.0~~	$\overset{9.60^{\pm 1}}{9.7}$ 2.61	12,21
11			F		
12			9.8	$\overset{9.85^{-01}}{9.9}$ 2.54	12,39
13			F		

B Series 415

DeN

Oct 3, 1917

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B 49449 c 148 K 7 59 – 30 alt. corr + .06

1	B 4.3 4.7	4.35±1°	4,4		3.93	8,28
2			5,1		3.80	8,90
3			6.1		3.58	9,68
4			7,0		3.32	10,32
5			7,5	7.60±1 7,7	3.17	10,77
6			8,1		3.03	11,13
7			8,5		2,92	11,42
8			9,0		2.77	11,77
9			9,3	9.40±1 9,5	2,67	12,07
10			9.8		2,56	12,36
11			9.8		2.56	12,36

B Series 415

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ScN

Oct 3, 1917

	B49450	C	124 K	8 — 15	Alt. corr +.08
1	B 5.5 5.9 5.50 °°	5.5	3.71	9,21	
2		7,2	3.27	10,47	
3		7,5	3,20	10,70	
4		5.9	3.64	9,54	
5		8,7	2.87	11,57	
6		8,1	3,03	11,13	
7		9.0	2,77	11,77	
8		9.60 ±.1 9.5 9.7	2.61	12,21	
9		9.8	2.56	12,36	
10		9.9	2.51	12,41	
11		F			

B Series 415

Sc N

Oct 3, 1917

B 49451 b5 9 + 15

	Bz		C			cu.	magn.			cu. magn.
1	3.3 3.7				3.86	4.02	7.32	$9.60^{\pm1}$ 9.5	9.7	
2	4.0 4.4	4.05^{01}	4.1		3.97	3.96	7.96			
3	3.7 4.1	$3.80^{\pm1}$	3.9		4.22	3.98	7.78			
4	4.3 4.7	4.30^{00}	4.3		3.90	3.93	8.23			
5			5.0		3.94	3.81	8.81			
6			5.3		3.86	3.75	9.05			
7			5.5		3.69	3.72	9.22			
8			5.9		3.65	3.63	9.53			
9			6.1		3.62	3.58	9.68			
10			6.5	$6.60^{\pm1}$ 6.7	3.41	3.44	10.04			
11			6.3		3.62	3.52	9.82			
12			6.8		3.41	3.38	10.18			
12a			7.0	6.95^{02} 6.9		3.33	10.28			
13			7.1	$7.20^{\pm1}$ 7.3	3.26	3.27	10.47			
14			7.4		3.16	3.22	10.62			
15			8.0		3.16	3.05	11.05			
16			8.3	$8.40^{\pm1}$ 8.5	2.96	2.95	11.35			
17			9.3	9.15^{12} 9.0	2.60	2.73	11.88			
18			9.3		2.52	2.70	12.00			
19			9.7		2.35	2.58	12.28			
20			9.3		2.92	2.70	12.00			
20a			9.7	$9.60^{\pm1}$ 9.5	2.78	2.62	12.22			
21			9.8		2.89	2.55	12.35			
22			F				7			

1,∞

B Series 441

Sheet no 85

12:30

October 16, 1917

Sc V B 49691 b8 15 + 14.9

	Sc 2			Diff			PC		
				g	h				
1	4.0		~~3.20~~	~~+p~~	7.0	~~0.20~~	8.8		−0.80
2	3.9		$\overset{3}{\cancel{4}}$.34	+p	+p		8.7		−0.76
3	5.0		3.09	7.7	$\overset{7.75\pm0}{7.8}$	0.34	9.5	$\overset{9.60\pm1}{9.7}$	−1.51
4	3.9		3.82	+p	+p		8.8		−1.08
5	4.8		3.12	7.5	+p	0.42	9.2		−1.28
6	4.9		3.21	7.5	$\overset{7.50^{00}}{7.5}$	0.61	9.3	$\overset{9.40\pm1}{9.5}$	1.29
6a	5.2	$\overset{5.35\pm1}{5.5}$	3.44	8.1	+p	0.69	F		
7	5.5		3.31	+p	+p				
8	5.5		3.47	8.5	+p	0.47			
9	5.7		3.52	8.8	+p	0.42			
10	6.1		3.42	9.3	+p	0.22			
11	6.1		3.41	9.2	+p	0.31			
12	6.4		3.35	F					
13	6.5		3.39						
14	6.7		3.27						
15	6.7		3.66						
16	7.0		3.52						
17	7.1		3.54						
18	7.1		3.58						
19	7.1	$\overset{7.15\pm0}{7.2}$	3.58						
20	7.2		3.37						
20a	7.3		$\overset{3}{\cancel{2}}$.92						
? 21	7.8		3.62						
22	8.1		3.72						
23	8.3		3.69						
24	8.1		$\overset{3}{\cancel{2}}$.99						
25	8.5		3.76						
25a	8.9		3.77						
26	9.2		3.53						

St. im.

27	9.3	4.01
27a	9.8	3.88

1: [illegible]

1 ! 45

Del

B Series 441

Copied B35:68

October 16, 1917

B49692 D8 Too poor

B49693 Bartr 15 1 – 16.6 Att. corr + .07

	Sc 1.0		Sc 2			g	h			pc		
1	3.0 2.9			3.48	6.48	tp	tp			7.2		
2	4.0 3.9	4.00°°	4.0	3.48	7.48	6.7	tp	0.60	7.30	8.5	-1.07	7.43
3			5.2	3.50	8.70	8.1	8.10·· 8.1	0.43	8.53	9.8	-1.47	8.33
4			5.4	3.51	8.91	8.3	8.40±1 8.5	0.41	8 ~~9~~.81	10.0?	-1.53	8.47
5			5.5 ~~5.7~~	3.51	9.01	8.7	8.75±0 8.8	0.40	9.15			
6			5.8	3.53	9.33	8.9	8.95±0 9.0	0.~~8~~39	9.34			
7			6.4	3.58	9.98	9.7	7	0.37	10.07			
8			7.00±1 7.1 6.9	3.64	10.66							
9			7.1	3.67	10.77							
10			7.7	3.73	11.43							
11			7.5	3.70	11.20							
12			7.90±1 8.0 7.8	3.75	11.65							
13			8.1	3.76	11.86							
14			8.3	3.77	12.07							
15			8.3	3.77	12.07 –							
16			8.5	3.80	12.30							
17			8.7	3.81	12.51							
18			9.3	3.86	13.16							
19			ns									
20			ns									

B Series 441

Copied B 35, 164

Dev

October 16, 1917

B 49694 Date 15 0 − 51.6 Bel. corr −.02

					g	w			pc		
1	B				5.8	tp			7.0		
2	3.4 (3.5)		3.48	6.98	6.7	tp	0.60	7.30	7.9	8.0 (7.95 10)	
3		4.0	3.48	7.48	7.3	tp (10)	0.51	7.81	8.7	−1.13	7.57
4		5.2	3.50	8.70	8.1	8.0 (8.05)	0.42	8.47	9.7	−1.44	8.26
5		5.3	3.50	8.80	tp	tp			9.9?	−1.50	8.40?
6		6.1	3.56	9.66							
7		6.3	3.58	9.88							
8		6.5	3.60	10.10							
9		6.5	3.60	10.10							
10		7.1	3.67	10.77							
11		7.5	3.70	11.20							
12		7.7	3.73	11.43							
13		7.9	3.75	11.65							
14		8.1	3.76	11.86							
15		8.5	3.80	12.30							
16		8.9	3.83	12.73							
17		9.5	3.87	13.37							

B Series 441

Dell October 16, 1917

	B 49695	Sc 1	b 8 Sc 2		g	h		PC	
	1	~~3.8~~ 3.7		3.40	tp	6.80'' 6.9 6.7	0.40	8.5	-1.30
Too far fr C-	2	3.8 3.7		3.44	tp	tp		8.5	-1.26
	3		4.7	3.39	7.5	7.50°° 7.5	0.59	9.1	-1.01
Too far fr C	4 tp.				tp	tp		8.7 8.60'' 8.5	-0.88
	5		4.3	3.62	7.2	tp	0.72	9.1	-1.18
	6		4.3	3.81	tp	tp		9.1	-0.99
Too far fr C	6a		5.2	3.59	7.9	tp	0.89	9.8	-1.01
" " " "	7		5.1	3.71	8.5	8.50°° 8.5	0.31		
	8		5.3	3.67	8.7	8.25 20 8.8	0.22		
	9		5.4	3.82	8.7	8.80'' 8.9	0.42		
	10		6.0	3.52	9.3	9.30°° 9.3	0.22		
	11		5.9	3.61	9.0	9.05 01 9.1	0.46		
	12		6.2	3.55	9.3	9.40'' 9.5	0.36		
	13		6.3	3.59	9.5	9.50°° 9.5	0.49		
	14		6.5 6.40'' 6.3	3.57	F				
	15		6.7	3.66					
	16		6.7	3.82					
	17		7.1	3.54					
	18		7.0	3.68					
	19		7.0	3.68					
	20		7.2	3.37					
	20 a		7.3	3.92					
	21		7.7	3.72					
	22		8.0	3.82					
	23		8.1	3.89					
	24		8.1	3.99					
	25		8.4	3.86					
	25 a		9.0	3.67					
	26		9.1	3.63					
	27		9.3	4.01					
	27a		F?						

3'15

B Series 441

10; ov

Sheet no 85

Dev

October 18, 1917

B 49695 68

		Se 1		Se 2		g		h		PC	
	1	3.8 3.7			3.40	tp		6.5	0.70	8.3	-1.10
	2	3.6 3.5			3.64	tp		tp		8.3	-1.06
	3	4.6 4.5	4.70''	4.8	3.39	7.3	7.40''	7.5	0.69	9.0	-0.91
Too faint for C	4	tp				tp		tp		8.5	-0.78
	5	4.2 4.1	4.20°°	4.2	3.72	tp ~~8.5~~		tp		9.0	-1.08
	6			4.3	3.81	tp		tp		9.0	-0.89
Too faint for C	6a			5.0	3.79	7.9		tp	0.89	9.8	-1.01
	7			5.1	3.71	tp		tp		n.s	
	8			5.1	3.87	8.3	8.40''	8.5	0.57		
	9			5.3	3.92	8.5		tp	0.72		
	10			6.1	3.42	9.2	9.20°°	9.2	0.32		
	11			5.9	3.61	tp		9.0	0.51		
	12			6.1	3.65	9.5	9.60''	9.7	0.15		
	13			6.3	3.59	9.8	9.80°°	9.8	0.09		
	14			6.1	3.87	9.8	9.85°'	9.9	0.12		
	15			6.5	3.86						
	16			6.8	3.72						
	17			7.1	3.54						
	18			7.1	3.58						
	19			7.1	3.58						
	20			7.1	3.47						
	20a			7.2	4.02						
	21			7.5	3.92						
	22			7.9	3.92						
	23			8.2	3.79						
	24			8.0	4.09						
	25			8.3	3.96						
	25a			8.9	3.77						
	26			8.9	3.83						
	27			9.2	4.11						
	27a			7							

B Series 441

October 18, 1917

Copied B45:198

Se.V

B 49696 Pole 15 26–90 alt. corr. –.93

	Se1 B		Se2			g clong	h clong			pc		
a										7.0		
b	3.2 3.1			3.76	6.96	tp	tp			7.9	-0.90	7.00
c	3.1 3.0			3.76	6.86	tp	tp			8.1	-0.93	7.17
d	3.4 3.3			3.77	7.17	tp	tp			8.3	-0.96	7.34
e	3.4 3.3			3.77	7.17	tp	tp			8.3 $8.40^{\pm 1}$ 8.5	-0.97	7.49
e'	4.0 3.9	4.00^{00}	4.0	3.85	7.85	tp	tp			9.0	-1.03	7.97
f			4.0	3.85	7.85	tp	tp			9.0	-1.03	7.97
g			4.2	3.87	8.07	tp	tp			9.1	-1.04	8.06
h			4.6	3.90	8.50	tp	tp			9.7	-1.09	8.61
k			5.1	3.95	9.05	8.5	clong-	0.50	9.00			
l			5.5	3.97	9.47	8.8	tp	0.41	9.21			
l'			6.0	3.98	9.98	9.0	$9.10^{\pm 1}$ 9.2	0.33	9.43			
m			6.1	3.99	10.09	9.1	9.30^{22} 9.5?	0.27	9.57			
n			6.3	3.98	10.28	9.8	7	0.15	9.95			
n'			6.3	3.98	10.28	9.9	9.90^{00} 9.9	0.01	9.91			
o			6.3	3.98	10.28							
p			6.7	3.98	10.68							
q			6.95^{-01} 7.0 6.9	3.98	10.93							
r			7.25^{+10} 7.3 7.2	3.98	11.23							
s			7.5	3.97	11.47							
t			7.9	3.96	$11.\overset{8}{6}6$							
w			$8.35^{\pm 1}$ 8.2 8.5	3.95	12.30							
x			$9.60^{\pm 1}$ 9.5 9.7	3.90	13.50							

Diff. images very much elongated.

B Series 441

Copied B 34: 23

Sel

October 18, 1917

B 49697 131 K 15 12 −15.3

alt. corr +.06

	Sc 1		Sc 2			g		10h			PC		
1	4.1	4.10^{00}	4.1	3.86	7.96	7.9	7.85	7.8	0.68	8.53	9.2	−1.04	8.16
2			5.9	3.98	9.88	9.0	8.95	$\overset{01}{8.9}$	0.36	9.31	n.s		
3			6.1	3.99	10.09	9.2	9.26	$\overset{01}{9.3}$	0.29	9.54			
4			6.3	3.98	10.28	9.5		+h	0.23	9.73			
5			7.1	3.98	11.08								
6			7.3	3.98	11.28								
7			7.7	3.97	11.67								
8			7.5	3.97	11.47								
9			7.7	3.97	11.67								
10			8.1	3.96	12.06								
11			$\overset{8.60^{\pm1}}{8.5\ 8.7}$	3.94	12.54								
12			8.7	3.94	12.64								
13			$\overset{9.40^{\pm1}}{9.3\ 9.5}$	3.90	13.30								
14			$\overset{9.70^{00}}{9.7\ 9.7}$	3.90	13.60								
15			F										

B Series 441

Copied B58:69

DeV

October 18, 1917

B49698 Eros 1910: 15 30 – 42

Alt corr +.02

	Sc 1		Sc 2			g		h			P.C		
1	B					4.1	4.10^{00}	4.1			6.3		
2	3.0 2.9			3.75	6.75	6.0	6.05^{01}	6.1	1.14	7.19	7.7	-0.87	6.83
3	4.0 3.9	4.00^{00}	4.0	3.85	7.85	7.7	7.75	$^{1.0}$7.8	0.72	8.47	9.0	-1.03	7.97
4			5.1	3.96	9.06	8.3		+f	0.55	8.85	F		
5			5.7	3.98	9.68	9.1		+f	0.33	9.43			
6			6.1	3.99	10.09	9.8		F	0.14	9.94			
7			6.4	3.98	10.38								
8			6.9	3.98	10.88								
9			7.2	3.98	11.18								
10			7.5	3.97	11.47								
11			7.7	3.97	11.67								
12			8.3	3.96	12.26								
13			9.0	3.93	12.93								
14			9.3	3.91	13.21								
15			9.7	3.90	13.60								

B Series 441

Copied B45:61

DeV October 18, 1917

B49699 R Sc 2 Supér 15 48 — 36 adj. corr + .04

a	B					~~Sup.~~ 959	5.90	~~elong~~ 5.9	-1.17	7.07	pc ~~10.0~~	7.7	-0.87	6.83
b	4.0 3.9	4.05 01	4.1	3.86	7.91	8.0	8.00 00	8.0	0.65	8.65	9.5		-1.07	8.43
c			5.6	3.97	9.57	9.1		+p	0.34	9.44	7			
d			5.1	3.96	9.06	Sup. elong					7			
e			5.8	3.98	9.78	9.3	9.40 11	9.5	0.25	9.65				
f			6.1	3.99	10.09	9.7		F	0.16	9.86				
g			7.9	3.96	11.86									
h			8.1	3.96	12.06									
k			8.9	3.93	12.83									
~~m~~ t			9.1	3.91	13.01									
t ~~m~~			9.5	9.40'' 9.3 3.90	13.30									
f1			6.7	3.98	10.68									
f2			7.5	7.40'' 7.3 3.97	11.37									
h'			8.5	3.95	12.45									
n			9.8	3.90	13.70									

B Series 441

Copied B35:94

ScV

October 18, 1917

B 49700 Scale 16 – 23.5 alt. corr +.06

	Sc 1	Sc 2			g		h			pc		
1	B				tp		tp			8.0	-0.92	7.08
2	tp				8.0	8.05 .01	8.1	0.64	8.69	9.5	-1.07	8.43
3		4.1	3.87	7.97	9.7	9.60 .11	9.5	0.19	9.79	7		
4		5.8	3.98	9.78								
5		6.9	3.98	10.88								
6		7.2	3.98	11.18								
7		7.8	3.97	11.77								
8		7.9	3.97	11.87								
9		8.1	3.96	12.06								
10		8.5	3.94	12.44								
11		8.7	3.94	12.64								
12		8.9	3.93	12.83								
13		9.4	3.90	13.30								
14		9.8?	3.90	13.70?								
15		7										

Images of br. stars very poor – not comp with scale images – Reject?

B Series 441

Copied 13 35? 190

ScV

October 18, 1917

B 49701 Carte - 16 1 _ 64.5

acc. corr -15

	Sc1		Sc2			g	h			PC		
1	3.5	3.70''	3.8	3.79	7.49	tp	tp			8.1	-0.93	7.17
2			4.3	3.87	8.17	tp	tp			9.0	-1.03	8.7.97
3			5.0	3.94	8.94	8.0	tp	0.64	8.64	Sup?		
4			5.3	3.97	9.27	8.5	tp	0.49	8.99			
5			5.8 5.6 5.70''	3.98	9.68	9.1	tp	0.33	9.43			
6			6.1	3.99	10.09							
7			6.5	3.98	10.48							
8			7.3	3.97	11.27							
9			7.7	3.97	11.67							
10			7.9	3.96	11.86							
11			8.1	3.96	12.06							
12			8.7	3.94	12.64							
13			9.0	3.92	12.92							
14			9.3	3.90	13.20							
15			9.7	3.90	13.60							

B Series 441

Sc4 October 18, 1917

B49702 bg 17 vw +15

	Sc1	Sc2	g	h		PC	
1	B		tp	tp		7.9	-0.72
2	tp		tp	tp		8.5	-1.27
3	B		5.9 $^{5.90}$	^{00} 5.9	1.14	8.0	-0.96
3a	tp		tp	tp		8.7 $^{8.60\ 11}$	8.5 -1.25
4		4.0 3.82	~~6.7~~ tp	tp		9.0	-1.18
5		4.1 3.96	tp	tp		9.3	-1.24
6		43 4.17	7.8 7.85	^{01} 7.9	0.62	9.7	-1.23
6a		tp	tp	8.1	0.54	9.8	-1.16
7		4.9 $^{5.00\ 11}$ 5.1 4.04	8.7 8.88	^{11} 8.9	0.24		
8		5.1 4.43	tp	9.1	0.43		
8a		5.4 4.28					
9		5.8 4.29					
10		6.2 4.46					
11		6.5 4.00					
12		6.3 4.27					
13		6.3 4.42					
14		6.7 4.09					
14a		7.2					
14b		8.8					
14c		7.5					
15		7.3 3.83					
16		7.5 4.10					
17		7.8 4.03					
18		8.2 4.21					
19		8.5 3.98					
20		8.9 3.86					
21		9.1 9.60 ^{10} 3.46					
22		9.5 9.7 3.80					
23		ns				12:45	
24							

25 All Images poor -

B Series 444

12.45

Sc V

Sheet no 129

October 25, 1917

B 49720 b 7 13 0 + 14.9

	Sc1		Sc2			g	h			Pc	
1	B					elong	elong			7.7	−0.85
2	B					+p	+p			8.2	−0.49
3	4.21 ~~4.0~~	4.25^{01}	4.3	3.86	3.95	elong	elong			8.9	−0.89
4	4.2 4.1	4.15^{01}	4.1	4.05		elong	elong			9.0	−0.80
5	4.6 4.5	4.65^{01}	4.7	3.91		〃		7.5	1.06	9.5	−0.94 near def
6	5.1 5.0	5.10^{00}	5.1	3.84 ~~3.46~~		〃		8.1	0.84	9.7	? −0.76
7			5.1	4.10		〃		8.3	0.90	9.9	−0.70
8			5.7	3.90		9.0 9.00^{00}		9.0	0.60	ns	
Im not in C – 9			3.3?	4.51		9.5 9.50^{00}		9.5	0.31	ns	
10			6.0	4.09							
11			6.4	3.71							
12			6.7	3.66							
13			6.9	3.76							
14			7.1	3.72							
15			7.3	3.69							
16			7.3	3.93							
17			7.5	4.06							
18			7.8	3.89							
19			8.0	4.01							
20			8.1	4.16							
21			8.9	3.91							
22			9.1	4.16 ~~3.16~~							
23			9.3 9.40^{21} 9.5	4.00							
24			9.8	4.10							
25			9.9 9.80^{11} 9.7	4.27							
26			ns								
27			9.9?	4.68							

B Series 444

Copied B 35:44

ScV

October 25, 1917

B 49721 Bante 14 0 – 9.6

Act. corr +.07

	Sc1		Sc2				g		h			PC		
1	B						F/p		+/p			6.5 .		
2	3.0 2.9						+/p		5.9			7.3	-0.97	6.33
3	4.0 3.9	4.00°°	4.0		4.04	8.04	6.9	6.95±10	7.0 .			8.7	-0.90	7.80
4			4.9		3.95	8.85	8.0		+/p	0.80	8.80	9.4	-0.82	8.58
5			5.9		3.80	9.70	9.1	9.10°°	9.1	0.40	9.50	n.s		
6			6.1	6.20±1 6.3	3.79	9.99	97		F	0.23	9.93			
7			6.9		3.80	10.70								
8			7.1		3.82	10.92								
9			7.3		3.84	11.14								
10			7.5		3.85	11.35								
11			7.9		87 3.~~43~~	11.77								
12			8.5	8.60±1 8.7	3.90	12.50 .								
13			8.5		3.90	12.40								
14			8.7		3.91	12.61								
15			9.0		3.92	12.92								
16			9.7	9.75±0 9.8	3.94	13.69								

B Series 444.

ScV October 25, 1917 Copied 13 35:92

B49722 Carte 14 0 −23.6 alt. corr +.07

	Sc1	Sc2			g	h			PC
1		5.1	3.90	9.00	elong	elong			n.s.
2		5.3	3.87	9.17	8.3 8.20	8.2	0.71	8.91	
3		5.5	3.86	9.36	elong	elong			
4		6.0	3.80	9.80					
5		7.1	3.81	10.91					
6		7.3	3.84	11.14					
7		7.5	3.86	11.36					
8		7.8	3.87	11.67					
9		8.1	3.89	11.99					
10		8.3	3.90	12.20					
11		8.5	3.90	12.40					
12		8.7	3.93	12.63					
13		8.5	3.90	12.40					
14		8.9	3.93	12.83					
15		9.3	3.93	13.23					
16		9.60 ±.1 9.5 9.7	3.93	13.53					

B Series 444

Copied B35:140

ScV

October 25, 1917

B 49723 Dante 14 y − 406

	Sc 1	Sc 2			g	h			att. corr +.04 p c
1	B				+p	+p			6.7
2	B				6.4	+p			8.0 −0.95 7.05
3	B				8.1	8.10 00 8.1	0.76	8.86	9.60 L1 9.5 9.7 −0.80 8.80
4		4.0	4.04	8.04	+p	+p			9.60 L1 9.5 9.7 −0.80 8.80
5		5.1	3.90	9.00	9.1	+p	0.40	9.50	n.s.
6		5.9	3.81	9.71	9.8	7	0.18	9.98	
7		6.5	3.79	10.29					
8		7.60 L1 7.5 7.7	3.87	11.47					
9		8.1	3.89	11.99					
10		8.7	3.91	12.61					
11		8.9	3.93	12.83					
12		9.1	3.93	13.03					
13		9.8	3.94	13.74					
14		n.s.							
15		9.9?	3.95	13.85?					

B Series 444

Copied 13 35, 186

ScV

October 25, 1917

B49724 Vaste 14 0 − 64.6

ext. corr − .15

	Sc1		Sc2	e		g	h			PC		
1	3 3.0					5.9	elong ·			7.5	−0.98 ~~1.01~~	8.51 6.52
2	4.1 4.0	4.10°°	4.1	4.03	8.13	7.1	+/p ·			8.7	−0.90 ~~0.53~~	9.23 7.80
3			9.80'' 4.9 4.7	3.96	8.76	01 8.0 8.08 8.1	0.78		8.83	9.8	−0.77 ~~0.18~~	9.98 9.03
4			5.3	3.87	9.17	8.3	+p	0.67	8.97	ns		
5			6.2	3.80	10.00	9.1 9.20'' 9.3	0.37		9.57			
6			6.3	3.80	10.10							
7			6.7	3.80	10.50							
8			7.3	3.84	11.14							
9			7.5	3.86	11.36							
10			8.40'' 8.3 8.5	3.90	12.30							
11			8.5	3.90	12.40							
12			9.15 01 9.2 9.1	3.93	13.08							
13			9.75 10 9.7 9.8	3.94	13.69							
14			9.60'' 9.5 9.7 scr.	3.94	13.54							

B Series 444

Sc Y

October 25, 1917

B 49725 b8 15 U + 14.9

	Sc1	Sc2	g	h	pc
1	B		+p	+p	8.3 − 1.10
2	B		+p	+p	8.3 − 1.06
3		4.3 3.79	+p	+p	9.2 − 1.11
Too faint c. 4	+p		+p	+p	8.9 −1.18
5	+p		+p	+p	9.2 −1.28
6	+p		+p	+p	9.0 − 0.89
6a	+p		+p	+p	9.7 −0.91
7	+p		+p	+p	n.S
8		5.3 3.67	8.9 9.00	9.1 −0.03	
9		5.2 4.02	8.9 8.95	9.0 0.27	
10		5.8 3.72	+p ~~9.7?~~	9.7 − 0.18	
11		5.9 3.61			
12		6.1 3.65			
13		6.1 3.79			
14		6.5 3.47			
15		6.5 3.87			
16		6.9 3.62			
17		7.00 7.1 6.9 3.64			
18		6.9 3.78			
19		7.0 3.68			
20		7.1 3.47			
20a		7.5 3.72			
21		7.5 3.92			
22		7.5 4.32			
23		8.1 3.89			
24		8.1 3.99			
25		8.3 3.96			
25a		9.1 3.57			
26		9.0 3.73			
27		9.8 3.51			

3' 00

B Series 444

9:55

Dev

Sheet no 129

October 29, 1917

B 49725 b8 15 +14.9

	Sc	Sc2	g	h	PC
1	B				8.5 −1.30
2	B				8.7 $\overset{8.60''}{}$ 8.5−1.36
3	~~tp~~	4.6 3.49			9.3 − 1.21
4	tp				8.9 −1.18
5	tp				9.3 −1.$\overset{4}{8}$2
6	tp				9.5 −1.$\overset{4}{9}$1
6a	tp				9.8 −1.01
7		5.1 3.71			
8		5.3 3.67			
9		5.3 3.92			
10		5.7 3.82			
11		5.9 3.61			
12		6.1 3.65			
13		6.2 3.69			
14		6.4 3.57			
15		6.7 3.66			
16		7.0 3.52			
17		7.2 3.44			
18		7.1 3.58			
19		7.1 3.58			
20		7.0 3.57			
20a		7.4 3.82			
21		7.7 3.72			
22		7.7 4.12			
23		8.0 3.99			
24		8.2 3.89			
25		8.7 3.56			
25a		9.1 3.57			
26		9.3 3.43			
27		9.7 3.61			

Diff images elongated and very poor.

B Series 444

Copied B27:60

Sct

October 29, 1917

B 49726 D8 15 — 15

Reject diffr. images

ad. corr +.08

		Se 1	Se 2			g		h			pc		
	1	tp				tp		tp			8.9	−1.04	7.86
	2	tp				tp		tp			9.1	−1.06	8.04
	3		4.3	4.03	8.33	tp		6.9	0.79	7.69	9.1	−1.06	8.04
Too far fr c	4	tp				tp		tp			9.3	−1.09	8.21
	5		4.3	4.03	8.33	tp		7.3	0.72	8.02	9.20'' 9.3 ~~9.5~~ 9.7	−1.08	8.12
	6		4.4	4.02	8.42	tp		7.5	0.69	8.19	9.40'' 9.3 9.5	−1.10	8.30
	7		4.4	4.02	8.42	tp		tp			9.5	−1.11	3 8.49
	8		4.4	4.02	8.42	7.7	7.70	7.7	0.66	8.36	9.5	−1.11	8.39
	9		4.9	3.97	8.87	tp		tp			9.9	−1.14	8.76
	10		5.1	3.96	9.06	8.7		tp	0.51	9.21			
	11		5.1	3.96	9.06	tp		tp					
	12		5.80'' 5.9 5.7	3.91	9.71								
	13		6.1	3.90	10.00								
	14		6.4	3.88	10.28								
	15		6.5	3.87	10.37								
	16		6.7	3.86	10.56								
	17		7.1	3.84	10.94								
	18		7.5	3.82	11.32								
	19		7.7	3.81	11.51								
	20		7.8	3.80	11.60								
	21		8.0	3.79	11.79								
	22		8.1	3.79	11.89								
	23		8.1	3.79	11.89								
	24		8.5	3.76	12.26								
	25		9.0	3.74	12.74								
	26		9.3	3.71	13.01	Diffr images elongated							
	27		9.7	3.67	13.37								
	28		9.9	3.66	13.56								

B Series 444

Copied B45:198

ScV

October 29, 1917

B49727 Pole

ad. corr -.92

	Sc1	Sc2			g	h		PC		
a	B				tp	tp		7.8	-0.88	6.92
b	tp				tp	tp		8.2	-0.94	7.26
c	tp				tp	tp		9.1	-1.06	8.04
d	tp				tp	tp		9.3	-1.09	8.21
e		4.0	4.06	8.06	tp	tp		9.5	-1.11	8.39
e'		4.2	4.04	8.24	tp	tp		F		
f		4.4	4.01	8.41	tp	tp		9.8	-1.13	8.67
g		4.9	3.98	8.88	tp	tp				
h		5.3	3.95	9.25	8.7	8.70^{00}	8.7 0.51 9.21			
k		5.7	$\overset{3}{4}$.92	9.62						
l		5.9	3.91	9.81						
l'		5.9	3.91	9.81						
m		6.3	$\overset{6.20\pm1}{6.1}$ 3.89	10.09						
n		6.2	3.89	10.09						
n'		6.3	3.88	10.18						
o		6.3	3.88	10.18						
p		7.1	3.84	10.94						
q		~~7.7~~ 7.5	w.s 3.82	11.32						
r		7.7	3.81	11.51						
s		8.1	3.79	11.89						
t		8.1	3.79	11.89						
w		8.7	3.76	12.46						
x		9.5	$\overset{9.60\pm1}{97}$ 3.69	13.29						

— Diffr images too poor

B Series 444

Copied B35:164

Sct

October 29, 1917

B 49728 Bache 15 0 −51.6

Alt. corr −.01

	Sc 1	Sc 2			g		h			pc		
1	B				5.3	$5.30^{\circ\circ}$	5.3	·		7.0	−0.73	6.27
2	B				6.2	$6.25^{\circ 1}$	6.3	0.92	7.17	7.9	−0.90	7.00
3		4.0	4.06	8.06	7.1	$7.15^{1\circ}$	7.2	0.74	7.89	8.9	−1.04	7.86
4		5.1	3.96	9.06	8.1	$8.10^{\circ\circ}$	8.1	0.60	8.70	9.5 9.60^{21} 9.7	−1.11	8.49
5		5.1 5.20^{21} 5.3	3.95	9.15	8.3	$8.30^{\circ\circ}$	8.3	0.57	8.87	~~9.8~~? 7		
6		5.8	3.91	9.71	9.1	9.20^{11}	9.3	0.45	9.65			
7		6.5	3.87	10.37	9.7	·	7					
8		7.0	3.85	10.85								
9		7.2	3.84	11.04								
10		7.5	3.83	11.33								
11		7.7	3.81	11.51								
12		8.0	3.80	11.80								
13		8.1	3.79	11.89								
14		8.4	3.77	12.17								
15		8.7	3.76	12.46								
16		9.0	3.73	12.73								
17		9.7 9.60^{11} 9.5	3.69	13.29								

B Series 444

ScY

October 29, 1917

Copied B 34:23

B 49729 131 K 15 12 - 15.3

act. corr +.07

	Sc1	Sc2			g		h			PC			
1	B				7.7	7.80^{21}	7.9	0.64	8,44	9.40^{21} 9.3	9.5	-1.10	8.30
2		5.3	3.94	9.24	9.7	9.70^{08}	9.7	0.39	10,09	~~9.8~~ n.s			
3		5.3	3.94	9,24									
4		6,0	3,90	9,90									
5		7.0	3,85	10,85									
6		7.4	3.82	11, 22									
7		8.1	3.79	11,89									
8		7.8 7.65^{21} 7.5	3.81	11,46									
9		8.0	3.80	11,80									
10		8.7	3.75	12,45									
11		9.1	3.73	12,83									
12		9.3	3.71	13,01									
13		9.7	3.67	13,37									
14		ns											
15													

B Series 444

Copied B35:94

Dev

October 29, 1917

B49730 Dante 16 0 – 23.5

Ast. corr +.07

	Se 1		Se 2			g		h			Pc	7
1	3.9 3.8	3.90^{00}	3.9	·		6.9	6.90^{00}	6.9	0.78	7.68	8.1 −0.93	~~6~~ 7
2			4.8	3.99	8.79	7.5	7.60^{11}	7.7	0.67	8.27	9.1 −1.06	7.94
3			5.4	3.94	9.34	8.3	8.40^{11}	8.5	0.56	8.96	F	
4			6.2	3.89	10.09	9.3	9.40^{11}	9.5	0.43	9.83		
5			7.1	3.84	10.94							
6			7.6 7.60^{11}	3.84	10.94							
7			7.5 ~~4.8~~	7.7 3.81 ws	11.41							
8			7.7	3.81	11.51							
9			7.7	3.81	11.51							
10			8.0	3.80	11.80							
11			8.2	3.78	11.98							
12			8.5	3.76	12.26							
13			8.9	3.74	12.64							
14			9.1	3.73	12.83							
15			9.5	3.70	13.20							

B Series 444

ScX

October 29, 1917

B 49731 bq 17 0-15 0

	Sc 1	Sc 2	g	h	PC
1	B		tp	tp	8.1 -0.92
2	B		tp	tp	8.1 - 0.87
3	B		6.1	tp 0.94	8.0 - 0.96
3a	tp		6.4	tp 0.95	8.3 -0.95
4	B		7.0	tp 0.82	8.7 -0.88
5			7.3 7.30 00	7.3 0.76	9.0 - 0.94
6		4.1 4.37	7.7	tp 0.77	9.5 -1.03
6a		4.15 21 4.0 4.3 4.49	8.1 8.20 11	8.3 0.44	9.9 -1.26
7		5.0 4.04	8.7	tp 0.34	
8		5.4 4.13	9.1 9.10 00	9.1 0.43	
8a		5.4 4.28	9.1 9.15 10	9.2 0.53	
9		6.00 21 5.9 6.1 4.09			
10		6.5 4.16			
11		6.25 01 6.2 6.3 4.25			
12		6.3 4.27			
13		6.3 4.42			
14		6.7 4.09			
14a		7.60 11 7.7 7.5			
14b		8.3			
14c		7.65 21 7.8 7.5			
15		7.2 3.93			
16		7.60 11 7.5 7.7 4.00			
17		7.7 4.13			
18		8.20 11 8.1 8.3 4.21			
19		8.60 11 8.7 8.5 3.88			
20		8.80 11 8.9 8.7 3.96			
21		9.25 01 9.2 9.3 3.81			1,' 05
22		9.8 3.60			

Discordant not to be Reduced Jan 11, 1918

B Series 462

12:00 Sheet 146

ScV

Nov 5, 1917

B ~~MW~~ 49909 b4 7 + 15.0

		Sc1	Sc2	g h δ	Pc
	1	~~4.5~~	4.5 $^{4.60\pm1}$ 4.7 2.11	7.5 $7.60^{\pm1}$ 7.7 −0.89	9.1 $^{9.20\pm1}$ 9.3 −2.49
	2		5.5 1.71	8.3 8.30^{00} 8.3 −1.09	9.8 − 2.59
	3		5.5 $^{5.60\pm1}$ 5.7 1.72	tp tp	9.8 − 2.48
	4		6.0 1.74	8.7 $8.75^{\pm0}$ 8.8 − 1.01	
	4a		6.2 1.75	elong elong	
	5		6.5 1.91		
	6		6.7 1.66		
	7		7.0 1.74		
	8		7.1 1.77		
	9		7.4 1.94		7
	9a		7.5 2.12		
	10		7.9 $^{7.80\pm1}$ 7.7 2.11		
	11		7.5 2.45		
	12		7.9 2.14		
	13		ws ~~8.9~~ 8.2 1.99		
	14		8.3 2.44		
	15		8.7 $^{8.60\pm1}$ 8.5 2.44		
	16		8.5 2.60		
	17		8.9 2.60		
	18		9.1 2.83		
Seems ft	19		9.7 2.42		
	20		9.8 2.70		
	21		9.7 2.76		
	22		9.9 2.88		
	23				
	24				
	25				
	26				

Plate poor - fogged -
Diff. images - all elongated

B Series 462

Sct Nov 5, 1917

B49910 145 K 5 vo — 29.9 alt. corr ÷ 10

		Se1	Se2	g		pc
	1		5.7	8,3 8.30 8,3		9.9
	2		6,5	9.0	+/ν	
	3		7.0			
	4		7.1			
	5		7,3 7.5 7.40 ±1			
	6		7.7 7.5 7.60 ±1			
	7		7.8			
	8		8,0			
	9		8,2			
	10		8,2			
	11		8.8			
	12		8,9			
	13		9.1			
	14		9.5			
	15		9.8			
Carte.	1		4.0	6.7	+/ν	8.1
	2		5.0 4.8 4.9 ±	7.5	+/ν	9.0
	3		5.6	8.0	elong	9.7
	4		6.0	8.7	"	
	5		6.7	9.3	"	
	6		7.0			
	7		7.3			
	8		~~6.5~~ 7.5			
	9		7.8			
	10		8.0			
	11		8.5			
	12		8.7 8.9 8.90 ±1			
	13		9.1			

B Ser. 462

DeV

Nov 5, 1917

	B 49911	Seq. Mag. Cl.	5	22 – 69 3	att. ovr. – 32
			g	h	pc
Seq I	a	3.9	4p	+p	7.8
	f	5.1	+p	8.1	+ ~~9.2~~ uncertain
	g	5.0 p.	tp	tp	
	h'	5.8	tp	tp	
	k	6.1	tp	tp	
	m	6.7	f		
	n	7.3			
	p	7.9			
	s	9.3			
21Ks	1	6.3			
	2	6.7			
	3	7.2			
	4	7.5			
	5	7.5			
	6	7.8			
	7	8.0			
	8	8.7			
	9	8.9			
	10	9.1			
	11	9.7			
	12	9.9			
	13				
	14				
	15				

B Ser. 462

Se V.

Nov 5, 1917

		B 49912 Se 1	Se 2	22 Ks Range Mag	Cl. 5 38–70 q	h	alt. corr ³⁄ₚ pc
Seq V =	A		5.3		8.1	tp	9.9 ?
22Ks =	B		6.2		9.1	tp	
	h		5.7		tp	tp	
	h'		6.5	6.60 L1 6.7	tp	tp	
	K		6.2		tp	tp	
	m		7.1				
	n		7.5	7.40 12 7.3			
	o		7.7				
	p		8.1	9.00 12 7.9			
	q		8.8				
	q'		8.3	8.20 12 8.1			
	r		8.9				
	s		9.3				
	t		9.8				
	l		6.3				

B Ser 462

Dev

Nov 5, 1917

B49913 169K S 39-45

all. cor -14

PC

	Se 1	Se 2		
1		5.9	g 9.1 9.20'' h 9.3	
2		6.4 6.30'' 6.2		
3		6.5		
4		7.1		
5		7.5		
6		7.8		
7		8.1 8.00'' 7.9		
8		8.5 8.40'' 8.3		
9		8.5		
10		8.8		
11		8.9		
12		9.2		
13		9.5		
14		9.5		
15		9.9		

Sheet 146

B Sc 462

Sc V

Nov 5, 1917

B 49915 b5 9 1 + 14.9

Sc 1	Sc 2		g	h	Pc
1	4.0	3.16	tp	tp	8.1 -0.94
2	4.9	3.12	tp	7.3 0.72	9.1 - 1.08
3	tp		tp	tp	9.1 -1.08
4	4.9	3.30	tp	tp	9.1 - 0.90
4a	5.1	3.27	tp	tp	9.3 9.40±1 9.5 -1.03
5	5.3	3.64	tp	tp	
6	5.3 5.50±2 5.7	3.66	8.9 8.90 00	8.9 0.26	
7	5.9	3.29	9.0 9.00 00	9.0 0.19	
8	6.1	3.45	tp	tp	
9	6.2	3.52			
10	6.5	3.51			
11	6.7 6.55-12 6.4	3.37			
12	6.5 6.60±1 6.7	3.61			
12a	6.5				
13	6.8	3.66			
14	7.1	3.46			
15	7.5	3.66			
16	7.7	3.66			
17	8.1	3.65 ~~3.72~~			
18	8.3	3.57			
19	8.3	3.75			
20	8.5	3.72			
20a	8.7 8.80±1 8.9	3.58			
21	8.9	3.79			
22	9.5	3.51			
23	9.8	3.39	—		
24	ns				2:00

B Ser. 462

Shut no 83

DeV

November 6, 1917

11 : 30 : : B 49915 b5 9 + 14.9

Sc 1	Sc 2		g	h		Pc
1	4.0	3.16	tp	tp		8.2 -1.04
2	5.0	3.02	tp	7.4		9.1 -1.08
3	tp		tp	tp		9.2 -1.18
4	5.0	3.20	7.7	tp		9.3 -1.10
4a	5.1	3.27	tp	tp		9.3 -0.93
5	5.4	3.54	tp	tp		
6	5.5	3.66	8.9 8.95±1	9.0	0.21	
7	5.7	3.49	9.0 9.00	9.0	0.19	
8	6.1	3.45	9.3 9.40±1	9.5	0.32	
9	6.1	3.62				
10	6.3	3.71				
11	6.5	3.42				
12	6.5	3.71				
12a	6.5					
13	6.8	3.66				
14	7.1	3.46				
15	7.5	3.66				
16	7.5 7.7 (7.60±1)	3.76				
17	8.0	3.75				
18	8.2	3.62				
19	8.3	3.75				
20	8.3	3.92				
20a	8.7	3.68				
21	8.9	3.79				
22	9.3	3.71				
23	9.7	3.49				
24	n.s					

B Series 462

Oct

November 6, 1917

From B49915 only

B 49916 Pole 9 0 – 90

Alt. corr –.92

See left hand margin

In Magn.	P.C. corr mag.				Sc 1	Sc 2			g	h		PC		
.	e .			a	B				tp	tp		7.5 .		
.		-1.02	$7.\overset{08}{40}$	b	B				tp	tp		8.1	-1.13	6.97
e		-1.07	7.43	c		4.0	3.91	7.91	tp	7.1		8.5	-1.19	7.31
e		-1.09	7.81	d		4.1 $\overset{4.20\ 01}{4.3}$	3.89	8.09	tp	tp		8.9	-1.24	7.66
e		-1.10	7.90	e		4.4 ~~4.7~~	3.87	8.27	tp	tp		9.0	-1.25	7.75
3.20	8.20	-1.10	880	e'		5.0	3.81	8.81	tp	tp		9.9	-1.36	8.54
3.20	8.15	-1.10	8.60	f		5.0 $\overset{4.95\ 01}{4.9}$	3.81	8.76	7.7 7.70 00 7.7	0.33	8.03	9.7	-1.33	8.37
3.33	8.63	. .		g		5.3	3.77	9.07	8.0 8.00 00 8.0	0.26	8.26			
3.47	9.17	. .		h		5.7	3.73	9.43	8.5 8.50 00 8.5	0.20	8.70			
3.53	9.63			k		6.1	3.67	9.77	9.1 9.10 00 9.1	0.19	9.29			
3.53	9.73			l		6.2	3.66	9.86						
3.53	9.63			l'		6.1	3.67	9.77						
3.58	10.08			m		6.5	3.63	10.13						
3.60	10.30			n		6.7	3.60	10.30						
3.60	10.30			n'		6.7	3.60	10.30						
3.62	10.57			o		7.0 $\overset{6.95\ 01}{6.9}$	3.56	10.51						
3.64	10.94			p		7.3	3.51	10.81						
3.66	11.16			q		7.5 $\overset{7.50\ 00}{7.5}$	3.49	10.99						
3.68	11.43			r		7.8 $\overset{7.75\ 01}{7.7}$	3.45	11.20						
3.76	11.70			s		8.0	3.43	11.43						
3.70	11.80			t		8.1	3.41	11.51						
3.70	12.20			w		8.5	3.36	11.86						
3.70	12.80			x		9.1	3.27	12.37						

B Series 462

Copied B 34: 41

November 6, 1917

Copied BK34 p.41

From B49915 only

B 49917 149K 9 – 30 alt. corr. +.06

cu	mags	P.C. cu mags		Sc1	Sc2			g	h			Pc		
3.22	8.22	-1.10 8.60			5.0	3.81	8.81	tp	8.0	0.27	8.27	9.7	-1.33	8.37
3.52	9.52		2		6.0	3.69	9.69	8.9	8.95 10 9.0	0.19	9.14	F		
3.57	9.97		3		6.4	3.63	10.03	9.5	9.40 11 9.3	0.21	9.61			
3.62	10.72		4		7.1	3.54	10.64							
3.64	11.04		5		7.5 7.40 12 7.3	3.50	10.90							
3.64	10.94		6		7.3	3.51	10.81							
3.65	11.15		7		7.5	3.50	11.00							
3.68	11.48		8		7.8	3.46	11.26							
3.70	11.60		9		7.9	3.43	11.33							
3.70	11.80		10		8.1	3.41	11.51							
3.70	12.00		11		8.3	3.37	11.67							
3.70	12.70		12		9.0	3.27	12.27							
3.69	12.94		13		9.2 9.25 01 9.3	3.26	12.51							
3.64	13.44		14		9.8	3.17	12.97							
			15		F									

Copied BK35 p.110

Copied B35: 110

3.10	Carter 7.80 -1.10 8.10	1	4.7	3.84	8.54	7.7	tp	0.33	8.03	9.2	-1.28	? 8.92
3.22	8.22 -1.10 8.80	2	5.0	3.81	8.81	8.0	tp	0.27	8.27	9.9	-1.36	8.54
3.34	8.64	3	5.3	3.77	9.07	8.5	tp	0.20	8.70			
3.52	9.62	4	6.1	3.67	9.77	9.1	tp	0.19	9.29			
3.60	10.30	5	6.7	3.60	10.30							
3.64	10.94	6	7.3	3.52	10.82							
3.65	11.15	7	7.5	3.50	11.00							
3.70	11.60	8	7.9	3.44	11.34							
3.70	11.80	9	8.1	3.40	11.50							
3.70	12.00	10	8.3	3.38	11.68							
3.70	12.50	11	8.8	3.31	12.11							
3.70	12.40	12	8.7 9.20 01	3.32	12.02							
3.69	12.89	13	9.1 9.3	3.25	12.45							
3.64	13.54	14	9.9	3.16	13.66							
	F	15	F									

1.00

B Series 462

Copied B34:17

ScV

November 6, 1917

From B49915 only Cu	magn.	Copied	B49918 Sc 1	Sc 2	125 K	9	13–15 g		h			alt. corr. +.07 pc
1145												
3.38	8.78	1		5.4	3.76	9.16	9.0	9.00	9.0	0.19	9.19	
3.52	~~7.19~~ 9.62	2		6.1	3.67	9.77	9.7	9.75	9.8 10	0.27	10.02	
3.52	~~7.19~~ 9.62	3		6.1	3.67	9.77						
3.62	10.62	4		7.0	3.56	10.56						
3.63	10.73	5		7.1	3.54	10.64						
3.63	10.83	6		7.2	3.53	10.73						
3.64	11.14	7		7.5	3.49	10.99						
3.64	11.14	8		7.5	3.49	10.99						
3.69	11.49	9		7.8	3.45	11.25						
3.70	12.05	10		8.35 8.2	3.31 8.5 3.37	11.72						
3.64	13.44	11		9.8	3.17	12.97						
3.63	13.53	12		9.9	3.16	13.06						

Poor Plate images poor

B Series 462

Copied B 34:65

Ld.

November 6, 1917

From B 49915 only Copied

B 49919 173 K 9 36–45

alt corr +.02

cu	magn.	P.L. cu magn		Se1	Se2			g	h			PC		
3.~~7~~20	8.20	-1.10 8.80?	1		5.0	3.81	8.81	8.3	tp	0.21	8.51	9.9?	-1.36 8.54	
3.~~7~~26	8.36		2		5.1	3.80	8.90	8.5	elong	0.19	8.69			
3.51	9.51		3		6.0	3.69	9.69							
3.52	9.62		4		6.1	3.68	9.78							
3.53	9.72		5		6.2	3.67	9.87							
3.58	10.08		6		6.5	3.63	10.13							
3.62	10.62		7		7.0	3.55	10.55							
3.66	11.16		8		7.5	3.50	11.00							
3.69	11.59 Remeas. by Ld. apr. 4, 1918		9		7.9	3.44	11.34							
3.70	11.70	8.1	10		8.0	3.43	11.43							
3.69	11.59	~~7.8~~	11		~~7.9~~	~~3.44~~	~~11.34~~							wrong star measured. Confirmed by Ld. The n. brighter of 2 stars was measured.
3.70	12.40	8.7	12		8.7	3.~~8~~33	~~12.53~~ 12.03							13 is O.K.
3.70	12.50	8.8	13		8.8	3.30	12.10							
3.70	13.10	9.5	14		9.4	3.23	12.63							
3.67	13.42		15		9.7 9.8 9.75 ±0	3.17	12.92							

Star 13 – magns discordant in Bk 34 – ~~Ro~~ Examined with regard to Stars 12 and 14, and ~~think~~ discordance is due is accidental ~~meas~~ errors of meas. April 5, 1918.

FA

B Series 462

SeV

November 6, 1917

B49920 Se1 Se2 B6 11 + 14.9

		g	h	pc
1		tp	tp	8.0 −1.24
2		tp	tp	8.0 −1.12
3		tp	7.0 0.51	9.1 −1.59
4		tp	7.1 0.46	8.9 −1.34
5	4.0 p 3.77	7.3 7.40 1	7.5 0.37	9.3 −1.53
6	tp			9.8 − 1.59
7	tp			
8	tp	8.7 8.70 0	8.7 −0.11	
9	4.6 4.49			
10	4.9 4.00			
10a	5.0 4.06			
11	5.40±1 5.3 5.5 4.01			
12	5.40±1 5.3 5.5 3.94			
13	5.9 3.79			
14	6.2 3.86			
14a	07.05 01 7.8 7.1			
15	6.1 3.96			
16	7.05 10 7.1 7.0 3.47			
17	7 7.10 00 wr u? 8.1 7.1 3.68			
18	7 7.75 10 wru 6.7 7.8 3.36			
19	7.75 10 7.7 7.8 3.18			
20	8.0 3.11			
21	8.2 3.06			
22	8.5 3.04			
23	8.60±1 8.5 8.7 3.23			
24	9.2 2.96			
25	9.60 12 9.7 9.5 2.73			

2.45

Poor plate - br images double; all images poor - diff images along.
Whole series poor

12:45

Sc V

B Series 474

Shut no 89

4 Nov ~~9~~ 10, 1917

B 50047 b 7. 13 +14.9

	Sc' B	Sc2		g	h	Pc
1				tp	tp	7.7 -0.85
2		4.1	3.61	clong	-7.2	8.85 01 8.8 8.9 -1.14
3		4.7	3.41	clong	clong	9.65 21 9.8 9.5 -1.54
4		4.2	4.00	clong	clong	9.40±1 9.3 9.5 -1.20
5		4.7	3.86	clong	clong	F
6		5.1	3.84	8.9 8.70 8.7	0.24	
7		5.4	3.80	9.2 tp	0.00	
8		5.95 10 5.9 6.0	3.65			
9		6.0	3.80			
10		6.3	3.79			
11		6.7	3.41			
12		6.9	3.46			
13		7.1	3.56			
14		7.3	3.52			
15		7.5	3.49			
16		7.60±1 7.5 7.7	3.63			
17		7.9	3.66			
18		8.0	3.69			
19		8.3	3.71			
20		8.5	3.76			
21		8.9	3.91			
22		9.20±1 9.1 9.3	~~4~~3.06			
23		9.7	3.70			
24		F				
25		F				
26		n.s				
27		n.s				

B Series 474

Copied B27:52

Nov ~~9~~ 10, 1917

B50048 D7 13 vu − 15.1 alt. corr +.08.

	Se1	Se2			g		h			pc		
1	B				tp		tp			7.9	−0.94	6.96
2					tp		tp			8.0	−0.97	7.03
3					tp		tp			8.7	−1.07	7.63
4					7.4		tp			9.0	−1.24	7.76
5		3.8	3.77	7.57	7.2	7.25^{01}	7.3 .			8.8	−1.20	7.60
6		3.9	3.76	7.66	7.1	7.15^{10}	7.2 p'			~~8.2~~ sup.		
7		4.4	3.74	8.14	tp		tp			9.8	−1.44	8.36
8		4.7	3.73	8.43	tp		7.8	0.37	8.17	9.8	−1.44	8.36
9		4.9	3.72	8.62	tp		tp			9.8	−1.44	8.36
10		4.4	3.74	8.14	7.9		tp	0.36	8.26	9.9	−1.44	8.46
11		4.5 4.7 $^{4.60\ 11}$	3.73	8.33	7.9		tp	0.36	8.26			
12		5.3	3.70	9.00	9.0	9.00^{0}	9.0	0.16	9.16			
13		5.5	3.70	9.20	9.1	9.20^{11}	9.3	0.13	9.33			
14		5.7	3.70	9.40	9.3		tp	0.12	9.42			
15		6.0	3.70	9.70	9.5		tp	0.08	9.58			
16		6.0	3.70	9.70	9.7		tp .					
17		6.3	3.70	10.00	9.8	9.85^{01}	9.9 .					
18		6.7	3.71	10.41								
19		7.1	3.72	10.82								
20		7.4 7.3 $^{7.35\ 01}$	3.73	11.08								
21		7.5	3.74	11.24								
22		7.7	3.76	11.46								
23		8.2	3.80	12.00								
24		8.5 8.7 $^{8.60\ 11}$	3.85	12.45								
25		8.9 8.7 $^{8.80\ 12}$	3.88	12.68								
26		8.9	3.90	12.80								
27		8.9	3.90	12.80								
28		9.2	3.97	13.19								
29		9.3	3.99	13.29								
30		9.7	4.07	13.77								
			4.13	14.03								

B Series 474

ScV

Nov ~~9~~ 10, 1917

Copied B 35:162

B 50449 Dante 13 0 − 51.5

act. corr −.01

	Sc 1	Sc 2			g		w				PC		
1		4.1	3.76	7.86	6.9	6.90°°	6.9				8.7	−1.17	7.53
2		4.3	3.75	8.05	7.1	7.10°°	7.1				9.0	−1.24	7.76
3		5.2	3.70	8.90	8.0	8.05°'	8.1	0.33		8.38	9.8	−1.44	8.36
4		5.8	3.70	9.50	8.7		tp	0.20		8.90			
5		6.2	3.70	9.90	tp		tp						
6		6.2	3.70	9.90									
7		6.5	3.70	10.20									
8		7.0	3.72	10.72									
9		7.7	3.76	11.46									
10		7.9	3.77	11.67									
11		8.2	3.80	12.00									
12		8.7	3.87	12.57									
13		9.1	3.95	13.05									
14		9.8	4.11	13.91									
15		ns											

B Series 474

Copied B35:18

Ser

Nov 10, 1917

B 50050 Date 13 u −2.5

ult. corr +.06.

	Sc1	Sc2				g		h			pc		
1		4.0		3.77	7.77	6.9		tp			8.7	−1.17	7.53
2		4.5		3.73	8.23	tp		7.3			9.1	−1.27	7.83
3		5.1		3.71	8.81	7.9	$7.95^{1.0}$	8.0	0.35	8.30	9.8	−1.44	8.36
4		5.65 21 5.8	5.5	3.70	~~8~~9.35	8.5	$8.50^{0.0}$	8.5	0.23	8.73			
5		5.9		3.70	9.60	9.0		tp	0.16	9.16			
6		6.1		3.70	9.80	9.3	$9.30^{2.0}$	9.3	0.11	9.41			
7		6.3		~~4~~3.70	~~8~~10.00								
8		6.7		3.70	10.40								
9		6.9		3.71	10.61								
10		7.7		3.76	11.46								
11		8.0		3.78	11.78								
12		8.2		3.80	12.00								
13		8.3		3.81	12.11								
14		8.8		3.89	12.69								
15		9.40 11 9.3	9.5	4.01	13.41								

Images not circular—

B Series 474

Copied B35: 140

ScV

Nov 10, 1917

B 50051 Dante 14 u − 40.6

	Sc1	Sc2			g	h			alt. corr + .04 pc		
1	B				~~t~~p	tp			6.5		
2	B				6.9	tp			8.0	-0.97	7.03
3					tp	tp			9.5	-1.37 ~~-0.73~~	8.13
4		5.0	3.71	8.71	8.5 8.50	8.5	0.24	8.74	9.8	-1.44	8 ~~7~~.36
5		5.4	3.70	9.10	8.9 8.95 1.0	9.0	0.17	9.12			
6		6.1	3.70	9.80							
7		6.9	3.72	10.62							
8		7.5	3.74	11.24							
9		7.8	3.77	11.57							
10		7.9	3.78	11.68							
11		8.2	3.80	12.00							
12		8.5	3.84	12.34							
13		9.0	3.93	12.93							
14		9.5	4.04	13.54							
15		9.8	4.10	13.90							

B Series 474

Copied B35:188

SeV

Nov 10, 1917

B 50052 Barte 14 0 −64.6

alt. corr −.12

	Sc 1	Sc 2			g	h			PC		
1	B				6.1 6.10°	6.1			7.2		
2	B				7.5	tp			8.9	−1.22	7.68
3		3.9	3.77	7.67	clong	clong			9.7	−1.41	8.29
4		4.1	3.76	7.86	8.5 8.50°	8.8	0.24	8.74	9.8	−1.44	8.36
5		5.0	3.71	8.71	9.1 9.20°	9.3	0.13	9.33			
6		6.1	3.70	9.80							
7		6.5	3.70	10.20							
8		7.3	3.73	11.03							
9		7.5	3.74	11.24							
10		8.2	3.80	12.00							
11		8.5	3.84	12.34							
12		9.3	3.99	13.29							
13		9.7	4.07	13.77							
14		9.8	4.11	13.91							
15		7.									
~~16~~											

B Series 474

Sel

Nov 10, 1917

B 50053 b8 15 + 14.9

	Sc1	Sc2	g	h	pc	
1	~~4.0~~		tp	tp	w.5' ~~8.7~~ 8.5	-1.30
2	B		tp	tp	8.3	-1.06
3		4.8 4.93.24 4.85 .01	7.7 7.75 1.0	78 0.34	9.3	-1.21
4	B		tp	tp	9.0	-1.28
5	~~tp~~	~~5.9~~	tp	tp	9.5	-1.58
6		4.4 3.71	~~tp~~	~~tp~~	9.0	- 0.89
6a		4.7 4.09	tp	tp	n.s	
7		5.0 3.81	tp	tp		
8		5.2 3.77				
9		5.3 3.92				
10		5.9 3.62				
11		5.9 3.61				
12		6.1 3.65				
13		6.2 3.69				
14		6.3 3.67				
15		6.5 3.86				
16		6.7 3.81				
17		7.0 3.64				
18		6.8 3.88				
19		6.7 3.98				
20		6.9 3.67				
20a		7.2 7.40 .1 4.02				
21		7.3 7.5 4.02				
22		7.9 3.92				
23		8.1 3.89				
24		7.9 4.19				
25		8.4 3.86				
26		8.9 3.83				
27		9.2 9.3 4.06 9.25 .01				
28		9.8 4.06				
25a		8.9 3.77				

Diff images elong.

3100

~~Discordant not to be reduced. Jan 11, 1918~~

B Series 47x

11-30

SeV

Nov 12, 1917

Sheet no 89

B 50053 Se1	Se2	b8	pc
1			8.3 −1.10
2			8.3 −1.06
3			9.1 −1.01
4	~~4.3~~		8.8 −1.08
5			9.0 −1.08
6	4.3	3.81	9.0 −0.89
6a	4.7	4.09	
7	4.9	3.91	
8	5.1	3.87	
9	5.3	3.92	
10	5.8	3.72	
11	5.9	3.61	
12	6.1	3.65	
13	6.1	3.79	
14	6.3	3.67	
15	6.5	3.86	
16	6.7	3.82	
17	7.0	3.64	
18	6.7	3.98	
19	6.7	3.98	
20	6.9	3.67	
20a	7.2	4.02	
21	7.5	3.92	
22	7.7	4.12	
23	8.0	3.99	
24	7.9	4.19	
25	8.7	3.56	
25a	8.9	3.77	
26	9.1	3.63	
27	9.3	4.01	
28	9.8	4.06	

B Series 474

Copied B245:198

*Conn 2.7

δ c V

Nov 12, 1917

B50054 Pole

Ext. corr -.92

	Sc 1	Sc 2			g	h			pc		
a	B				6.1 6.10	6.1 ·			7.2	'	
b	B				tp	tp			8.0	-1.07	6.93
c					tp	7.0	0.25	7.25	8.7	-1.12	7* 8.58
d		4.2	4.06	8.26	elong	7.2	0.27	7.47	8.8	-1.12	7.68
e		4.4	4.02	8.42	elong	elong			9.0	-1.13	7.87
e'		4.8	3.96	8.76	elong	elong			9.60'' 9.7 9.5	-1.13	8.47
f		4.9	3.95	8.85	7.7 7.75	7.8	0.36	8.11	9.5	-1.13	8.37
g		5.3	3.90	9.20	8.0 8.05	8.1	0.40	8.45	9.8	-1.13	8.67
h		5.5	3.88	9.38	8.3 8.40''	8.5	0.47	8.87			
k		5.9	3.83	9.73	9.1 9.10	9.1 ·					
l		6.3	3.80	10.10	dup	—					
l'		6.2	3.81	10.01							
m		6.7	3.77	10.47							
n		6.80'' 6.7 6.9	3.77	10.57							
n'		6.9	3.77	10.67							
o		7.0	3.77	10.77							
p		7.3	3.76	11.06							
q		7.5	3.75	11.25							
r		7.7	3.74	11.44							
s		8.0	3.71	11.71							
t		8.1	3.69	11.79							
w		8.6	3.63	12.23							
x		9.3	3.50	12.80							

B Series 474

Copied B34:22

ScY

Nov 12, 1917

B 50055 | 130 K 14 8 – 15.2

ac. corr +.07.

	Sc1	Sc2			g	h	pc
1		5.3	3.90	9.20	Htp	tp	9.9 ? -1.13 8.77
2		5.5	3.87	9.37	clong	clong	
3		6.1	3.82	9.92			
4		6.5 ~~6.7~~	3.79	10.29			
5		6.3	3.80	10.10			
6		6.5	3.79	10.29			
7		7.5	3.74	11.24			
8		7.60±1 7.5 7.7	3.74	11.34			
9		7.3	3.75	11.05			
10		7.7	3.73	11.43			
11		8.3	3.67	11.97			
12		8.5	3.65	12.15			
13		8.5	3.65	12.15			
14		9.15±0 9.1 9.2	3.52	12.67			
15		9.5	3.46	12.96			

B Series 474

Copied B34:46

ScV

Nov 12, 1917

B 50056 154 K 14 23-30 att. cor. 7.06

	Sc 1	Sc 2			g	h	PC
1		5.6	3.87	9,47	90	9.05 $\overset{.01}{9.1}$.	
2		6,2	3.81	10,01			
3		7,5	3.75	11,25			
4		7.5	3.75	11,25			
5		7,8	3.73	11,53			
6		8,5	3.65	12,15			
7		8,8	3.58	12,38			
8		9.0	3.55	12.55			
9		9.5	3.46	12,96			
10		9.3	3.50	12,80			
11		9.8	3.40	13,20			
12		F					

B Series 474

Copied B 34''.111

ScV

Nov 12, 1917

B 56.057 Sc2 33 Ks 14 27 — 60.5

all corr −.08

	Sc1	Sc2			g h		pc
1	B				7.3 7.40'' 7.5	0.30 7.70	9.1 9.00'' 8.9 −1.13 7.87
2		5.0	3.94	8.94	8.3 elong	0.45 8.75	
3		~~6.7~~ 5.7	w.s 3.86	9.56	9.1 9.10'' 9.1		
4		6.7	3.78	10.48			
5		6.7	3.78	10.48			
6		7.3	~~7.5~~ 3.76	11.06			
7		7.3	3.76	11.06			
8		7.5	3.75	11.25			
9		7.7 7.60'' 7.5	3.74	11.34			
10		7.9	3.73	11.63			
11		8.1	3.70	11.80			
12		8.1	3.70	11.80			
13		8.5	3.65	12.15			
14		9.1	3.54	12.64			
15		9.5	3.46	12.96			

Images poor - not circular

B Series 474

Set

Nov 12, 1917

B 50058 D 8

	Se 1	Se 2	g		h		pc	
1	B		tp		7.1	0.10	8.5	-1.30
2			6.9		tp	0.34	8.5	-1.26
3			7.8	7.80°	7.8	0.29	9.3	-1.21
4			tp		tp		9.0	-1.28
5			7.5		tp	0.42	9.3	-1.38
6		4.1 4.01	tp		tp		9.5	-1.39
6a		4.7 4.09	8.1	8.20"	8.3	0.59	9.9 fe	-1.69
7		5.0 3.81	8.5	8.50°	8.5	-0.31		
8		4.9 4.07						
9		5.1 4.12						
10		5.9 3.62						
11		5.9 3.61						
12		6.1 3.65						
13		6.3 3.59						
14		6.3 3.67						
15		6.7 3.66						
16		6.9 3.62						
17		7.2 3.44						
18		7.0 3.68						
19		7.2 3.48						
20		7.2 3.37						
20a		7.5 3.72						
21		7.7 3.72						
22		8.3 3.52						
23		8.5 3.49						
24		8.5 3.59						
25		9.2 3.06						
25a		9.3 9.750 3.37						
26		9.8 9.7 2.98						
27		9.9 3.41						
28		F						

Images poor - not circular

2 - ∞

B. Series 404

Copied Bk 52:20

Sheet no 130

Sc V

Nov 15, 1917

10; 20

B 49332 b 3 5 + 15

	Sc 1	Sc 2		cu.	magn	g		ch			cu. magn	PC		cu.	magn
1		4.0	2.63	2.11	6.11	7.1	7.15	$\overset{20}{7.2}$	-0.52	+0.04	7.19	8.1	-1.47	-1.36	6.74
2		4.9	2.04	2.57	7.47	tp		tp			q	8.7	-1.76	-1.41	7.29
3		5.0	2.22	2.62	7.62	tp		tp			q	8.9	-1.68	-1.42	7.48
4		5.1	2.35	2.67	7.77	7.9	7.90	$\overset{00}{7.9}$	-0.45	-0.01	7.89	9.0	-1.55	$-1.\overset{4}{5}3$	7.57
5		5.1	2.49	2.67	7.77	7.9	7.85	$\overset{10}{7.8}$	-0.26	-0.01	7.84	9.1	-1.51	-1.43	7.67
6		5.1 $\overset{5.15\ 10}{5.2}$	2.56	2.70	7.85	8.0	8.00	$\overset{00}{8.0}$	-0.29	-0.01	7.99	9.1	-1.39	-1.43	7.67
7		5.3	2.75	2.75	8.05	tp		tp			q	9.5 $\overset{9.60''}{9.7}$	-1.55	-1.45	8.15
8		5.3	2.93	2.75	8.05	tp		tp			q	9.7	-1.47	-1.44	8.26
9		6.1	2.87	3.06	9.16										
10		6.1 $\overset{6.00''}{5.9}$	2.69	3.03	9.03										
11		6.1	2.95	3.06	9.16										
12		6.4	2.90	3.16	9.56										
13		6.3	3.13	3.13	9.43										
14		6.7	3.15	3.25	9.95										
15		6.9	3.24	3.31	10.21										
16		7.2	3.11	3.40	10.60										
17		7.5	2.91	3.49	10.99										
18		7.3	3.27	3.42	10.72										
19		7.7 $\overset{7.60''}{7.5}$	3.08	3.50	11.10										
20		7.7	3.35	3.52	11.22										
21		7.8	3.25	3.54	11.34										
22		7.7	3.50	3.52	11.22										
23		7.9	3.71	3.55	11.45										
24		7.7	$\overset{4}{3}.12$	3.52	11.22	Diff images elongated									
25		8.2	3.68	3.61	11.81										
26		8.5	~~8.8~~ 3.64	$3.\overset{6}{7}4$	12.14										
26a		8.3	4.00	3.63	11.93										
27		9.1	3.68	3.71	12.81										
28		9.5	3.71	3.74	13.24										
29		9.9	3.92	3.79	13.69 ?										
[illegible]		[illegible]	[illegible]	3.67	12.57										

B Ser 404

Copied B 34:102

ScV

Nov 15, 1917

*B 49333 Orion 5 31 — 5.5

Alt. corr + .07

		Sc 2				
20 Ks	1	5.9	3.00	8.90	g h	Pc
	2	6.3	3.13	9.43		
	3	6.7	3.26	9.96		
	4	7.3	3.43	10.73		
	5	7.1				
	6	8.5 8.60 ± 1 8.7	3.66	12.26		
	7	9.1	3.71	12.81		
	8	8.9	3.69	12.59		
	9	9.3	3.73	13.03		
	10	9.5 9.60 ± 1 9.7	3.77	13.37		
	11	9.7	3.78	13.48		
	12	9.8	3.78	13.58		
	4a	7.5	3.49	10.99		
	13	7				
	a	8.7	3.67	12.37		
	b	9.1	3.70	12.80		
	c	9.5	3.76	13.26		
	d	9.8	3.78	13.58		

B Ser 404

ScV

Nov 15, 1917

* B 49333 cont. Orion

alt corr + 0.7

	Sc 2		-	g	h	PC		
1	5.3	2.75	8.05	tp	tp	9.7	-1.44	8.26
2	5.3	2.75	8.05	tp	tp	9.8	-1.43	8.37
3	5.4	2.80	8.20	tp	tp			
4	6.3	3.13	9.43					
5	7.1	3.37	10.47					
6	7.3	3.44	10.74					
6a	7.90' 8.0 7.8	3.56	11.46					
6b	8.1	3.60	11.70					
7	8.1	3.60	11.70					
8	8.3	3.63	11.93					
9	8.9	3.68	12.58					
10	9.0	3.69	12.69					
11	9.3	3.73	13.03					
12	9.7	3.77	13.47					
13	9.7	3.77	13.47					
14	9.9 fc	3.79	13.69					

* Images on this plate are not circular. Elongated from right to left. Diffr images very poor

B Ser 404

Copied B 44 : ~~102~~ 90

ScV

Nov 15, 1917

		B 49334			Large mag. Cld.					ait. avg -.17		
		Sc 2			g		h			pc.		
	A	5.4	2.80	8.20	8.0	7.95	7.9	-0.01	7.94	9.7	-1.44	8.26
Seg. III	B	5.9	3.00	8.90	8.5	8.50	8.5	0.00	8.50	7		
	H	6.4	3.17	9.57	9.0	9.05	9.1	0.05	9.10			
	K	6.9	3.32	10.22								
	l	7.3	3.44	10.74								
	m	7.5	3.49	10.99								
	n	7.7	3.53	11.23								
	o	8.0	3.57	11.57								
	p	7.9	3.56	11.46								
	q	8.7	3.67	12.37								
	r	9.0	3.69	12.69								
	s	9.5 9.7 9.60 .11	3.77	13.37								
	t	9.8	3.79	13.59								
	u	9.8	3.79	13.59								

Diff. images along —

B Ser. 404

Copied B 44: ~~106~~ 92

22KS copied Bk 34:130

Sc V

Nov 15, 1917

B 49335 Large Mag Cl. 5 40-68.9

ast. corr -19

		Sc 2				g	h	Ac
Sq V	A	6.0		3.04	9.04	9.0 9.05^{01}	9.1 0.05 9.10	9.9 ·
	B	6.2	6.1 (6.15^{01})	3.08	9.23	tp	tp	
	h	6.2		3.10	9.30	8.9	tp 0.03 8.93	
	h'	6.5	6.7 (6.60$^{\pm 1}$)	3.23	9.43	9.5	~~9.5~~ ft.	
	k	6.5	6.3 (6.40$^{\pm 1}$)	3.17	9.57			
	l	6.8		3.28	10.08			
	m	7.2		3.40	10.60			
	n	7.5	7.7 (7.60$^{\pm 1}$)	3.50	11.10			
	o	8.0		3.57	11.57			
	p	8.3		3.63	11.93			
	q	9.1		3.70	12.80			
	q'	8.9		3.68	12.58			
	r	9.2		3.73	12.93			
	s	9.7		3.77	13.47			
	t	9.9		3.79	13.69			

B Ser 404

Copied B 44:110

22KS Copied Bla 34:130

ScV Nov 15, 1917 This is 22KS on Seq. V

act. corr -20

B 49336 Large Mag. Cl. 5 38-70

		Sc 2			g	h	PC
Seq V	A	5.9	3.00	8.90			9.8 − 1.43 8.37
22Ks =	B	6.1	3.06	9.16			
	h	6.1	3.06	9.16			
	h′	6.5	3.20	9.70			
	k	6.2	3.10	9.30			
	l	6.5	3.20	9.70			
	m	7.0	3.35	10.35			
	n	7.2	3.40	10.60			
	o	7.5	3.49	10.99			
	p	8.0	3.57	11.57			
	q	8.5 8.7 8.60±	3.66	12.26			
	q′	8.5	3.66	12.16			
	r	8.7	3.67	12.37			
	s	9.0	3.69	12.69			
	t	9.7	3.77	13.47			

B Ser. 404

Scv

Nov 15, 1917

B 49337 b4 7 +15.0

	Se 2 B			g		h		pc	
1				6.1	6.15^{10}	6.2	±0.56	7.9	-1.19
2	4.2		~~2.51~~ ~~2.74~~ 3.01	6.6		tp	±0.61	8.3	-1.09
3	4.7		~~2.58~~ 2.64	tp		tp		8.8	-1.48
4	4.9		~~2.65~~ 2.84	7.1	7.15^{10}	7.2	0.59	9.1	-1.36
4a	5.2		2.75	7.7	7.60^{11}	7.5	0.35	9.3	-1.35
5	5.5	5.3 5.40^{11}	3.01	8.1	8.05^{10}	8.0	0.36	9.7	-1.29
6	5.3		3.06	8.1	8.00^{12}	7.9	0.36		
7	5.7		3.04	8.5	8.50^{00}	8.5	0.24		
8	5.7		3.17	8.5	8.60^{11}	8.7	0.27		
9	6.1		3.24	9.0		tp.	0.34		
9a	6.3		3.32						
10	6.5		3.41	9.3	9.30^{00}	9.3	0.32		
11	6.5		3.45						
12	6.7	~~6.5~~	3.34						
13	6.9	6.7 6.80^{11}	3.39						
14	7.1		3.64						
15	7.4		3.64						
16	7.5		3.60						
17	7.9		3.60						
18	8.2		3.73						
19	8.7		3.42	21 a		9.0			
20	~~w.s~~ 9.0	9.1 9.05^{01}	3.45	21 b		9.5			
21	8.8		3.66						
22	9.3		3.48						
23	9.3		3.70						
24	9.8	f	3.77						
25	f								
26									
27									
28									
29									

Diffr images poor —

1; 00

10–45

Sc V

B Ser. 404

Copied Bk 52: 28

Shunt no. ~~87~~ 130

Nov ~~17~~ 19 1917

B 49337 C4

	Sc1	Sc2		cu.	magn	g		h		cu.	magn	Pc		cu.	magn
1		4.0	2.71	2.60	6.60	6.1	6.10°°	6.1	0.61	0.60	6.70	8.0	−1.29	−1.29	6.71
2		4.3	2.91	2.67	6.97	6.7	6.70°°	6.7	0.51	0.49	7.19	8.5	−1.29	−1.33	7.17
3		4.7	2.62	2.78	7.48	tp		7.1	0.22	0.44	7.54	9.0	−1.68	−1.35	7.65
4		5.0	2.74	2.85	7.85	tp		7.3	0.44	0.41	7.71	9.2	−1.46	−1.36	7.84
4a		5.1	2.85	2.89	7.99	tp		7.5	0.45	0.38	7.88	9.3	−1.35	−1.36	7.94
5		5.4	3.01	2.96	8.36	tp		8.0	0.41	0.35	8.35	9.7	−1.29	−1.36	8.34
6		5.5	2.86	3.00	8.50	8.1	8.10°°	8.1	0.26	0.34	8.44				
7		5.8	2.94	3.06	8.86	8.3	8.00°°	8.3	0.44	0.32	8.62				
8		5.9	2.97	3.07	8.97	8.5		tp	0.37	0.30	8.80				
9		6.1	3.24	3.13	9.23	8.9		tp	0.44	0.28	9.18				
9a		6.3	3.32	3.18	9.48	9.5		f	0.12	0.26	9.76				
10		6.7	3.21	3.27	9.97										
11		6.7	3.25	3.27	9.97										
12		6.7	3.34	3.27	9.97										
13		6.8	3.39	3.29	10.09										
14		7.1	3.64	3.35	10.45										
15		7.5	3.54	3.44	10.94										
16		7.5	3.60	3.44	10.94										
17		8.0	3.50	3.52	11.52										
18		8.2	3.73	3.54	11.74										
19		8.5	3.62	3.57	12.07										
20		9.1	3.40	3.60	12.70										
21 b		9.5		3.59	13.09										
21		8.7	3.76	3.57	12.27										
21 a		8.9		3.58	12.48										
22		9.5	3.28	3.58	13.08										
23		9.3	3.70	3.59	12.89										
24		F			f										
25		F			f										
25a		~~10.0?~~													

B Series 404

copied B27:28

Dc V

Nov 19, 1917

B 49338 D4

alt. corr +0.7

	Sc2				g		h			PC		
1	4.0		2.60	6.60	tp		tp			8.0	-1.29	6.71
2	4.7		2.77	7.47	tp		tp			8.8	-1.34	7.46
3	4.7		2.77	7.47	tp		tp			8.7	-1.33	7.37
4	4.7		2.77	7.47	7.5	7.60^{21}	7.7	0.37	7.97	8.9	-1.34	7.56
5	4.9		2.83	7.73	7.5	7.50^{00}	7.5	0.38	7.88	9.0	-1.35	7.65
6	5.2		2.90	8.10	8.0	8.00^{00}	8.0	0.34	8.34	9.7	-1.36	8.34
7	5.2		2.90	8.10	7.9	7.95^{20}	8.0	0.35	8.30	9.7	-1.36	8.34
8	5.4		2.96	8.36	8.1	8.10^{00}	8.1	0.33	8.43	9.8 ?	-1.36	8.44
9	5.3	5.20^{11} 5.1	2.90	8.10	8.0		along	0.34	8.34	10.0 ÷		
10	5.4		2.96	8.36	8.1	8.10^{00}	8.1	0.33	8.43	9.8	-1.36	8.44
11	5.7		3.04	8.74	tp		8.5	0.30	8.80			
12	6.1		3.13	9.23	9.3	9.30^{00}	9.3	0.27	9.57			
13	6.0		3.11	9.11	9.1	9.15^{20}	9.2	0.27	9.42			
14	6.3		3.17	9.47	9.5	9.60^{11}	9.7	0.26	9.86			
15	6.5	6.60^{21} 6.7	3.25	9.85								
16	6.5		3.23	9.73								
17	6.7		3.27	9.97								
18	6.7		3.27	9.97								
19	6.9		3.31	10.21								
20	7.1		3.35	10.45								
21	7.5		3.44	10.94								
22	7.7		3.47	11.17								
23	8.0	7.85^{21} 7.7	3.50	11.35								
24	8.3		3.56	11.86								
25	8.5		3.57	12.07								
26	8.3	8.40^{11} 8.5	3.56	11.96								
27	8.8		3.58	12.38								
28	9.0		3.59	12.59								
29	9.3	9.40^{11} 9.5	3.59	12.99								
30	9.9		3.58 2	13.48 2								

B Series 404

8cV

Nov 19, 1917

Copied Bk 35:156

B49339 Carte- 7 — 51.5

act. corr = .01

	Sc 2 B		Curve	Magn.	g		h			pc		
1					6.2		tp	0.58	6.78	7.7	−1.26 ε	6.44 ε
2	4.0		2.59	6.59	6.7	6.70°°	6.7	0.49	7.19	8.2	−1.30	6.90
3	5.0		2.85	7.85	7.5	7.60''	7.7.	0.37	7.97	9.3	−1.36	7.94
4	5.3	5.40±1 5.5	2.96	8.36	8.1	8.20''	8.3	0.33	8.53	F		
5	5.8		3.06	8.86	8.5		clouds	0.30	8.80			
6	6.3	6.40±1 6.5	3.20	9.60	9.5?			0.25	9.75?			
7	6.9		3.31	10.21								
8	7.3		3.39	10.69								
9	7.5		3.44	10.94								
10	7.7		3.48	11.18								
11	8.0		3.52	11.52								
12	8.7	8.60±1 8.5	3.57	12.17								
13	9.1		3.60	12.70								
14	9.4		3.60	13.00								
15	9.8		3.58 ε	13.38 ε								

B Series 404

Copied B 34:39

DcV

Nov 19, 1917

B49340 Darte 7 – 31.5							alt. corr +.06			
147K	1	5.2	2.91	8.11	8.1 8.05±1 8.0	0.34	8.39	9.7	−1.36	8.34
	2	5.7	3.04	8.74	8.5 8.60±1 8.7	0.30	8.90			
	3	6.3	3.18	9.48	9.3 9.30 0 9.3	0.27	9.57			
	4	6.5 6.60±1 6.7	3.25	9.85	F					
	5	6.9	3.31	10.21						
	6	7.2	3.37	10.57						
	7	7.5	3.44	10.94						
	8	8.0	3.53	11.53						
	9	8.3	3.56	11.86						
	10	8.7	3.57	12.27						
	11	8.5	3.56	12.06						
	12	9.3 9.40±1 9.5	3.60	13.00						
	13	F								
Darte	A	4.0	2.59	6.59	6.9 6.95±0 7.0	0.46	7.41	8.7 8.60±1 8.5	−1.33	~~9.93~~ 7.27
	B	4.6	2.75	7.35	7.5 elong	0.39	7.89	9.3	−1.36	7.94
	C	4.9	2.83	7.73	8.0 8.05 01 8.1	0.34	8.39	9.7	−1.36	8.34
	D	5.5	3.00	8.50	8.9 8.95±0 9.0	0.28	9.23			
	E	6.4	3.20	9.60	9.8 9.80 00 9.8	0.26	10.06			
	F	6.8	3.29	10.09						
	G	7.0	3.33	10.33						
	H	7.7 7.60±1 7.5	3.45	11.05						
	K	7.7	3.48	11.18						
	L	8.1	3.54	11.64						
	M	9.2	3.60	12.80						
	N	9.7	3.58	13.28						
	O	F								

Copied Bk 35:108

B Series 404

Copied: B34:15

Sct

Nov 19, 1917

B 49341 123K 7 16–15

alt. corr +.08

	Sc2			g		h			pc		
1	4.9	2.84	7.74	7.5	7.50°°	7.5	0.38	7.88	9.3	-1.36	7.94
2	5.5	2.98	8.48	tp		tp			9.9	-1.34	~~7~~8.56
3	6.3	3.17	9.47	9.7	9.70°	9.7°	0.26	9.96			
4	6.9	3.31	10.21								
5	7.2	3.37	10.57								
6	7.7	3.47	11.17								
7	7.9	3.50	11.40								
8	8.0	3.53	11.53								
9	8.2	3.55	11.75								
10	8.60±' 8.5 8.7	3.57	12.17								
11	9.00±' 8.9 9.1	3.59	12.59								
12	9.0	3.59	12.59								
13	9.3	3.60	12.90								
14	F										

B Series 404

copied B 34:83

Set

Nov 19, 1917

B 49342 191K 7 23-60 alt. corr -.05

	Sc2				g		h			Pc
1	5.4		2,96	8,36	9.1	9.10	9.1	0.26	9.36	7?
2	6,2	6.10±1 6,0	3.14	9,24	9,8	9.80	9.8	0.26	10.06 e	
3	* 6,5	6.40±1 6,3	3.20	9,60						
4	6.7 wtl ~~7.8~~	~~7.7~~	3,27	9,97						
5	7 8,2	7.25 8,3	3.38	10.63 ~~11,13~~						
6	7 ~~8.5~~	7.60±1 7.7	3,46	11,06						
7	8,5	~~8.7~~	3.57	12,07						
8	8,7	~~8.5~~	3,58	12,28						
9	8,7	8.60±1 8,5	3,58	12,18						
10	8,8		3,58	1$\overset{2}{3}$,38						
11	9,0		3,59	12,59						
12	9,3		3,60	$\overset{12}{9}$,90						
13	9,8		3,58	1$\overset{3}{2}$,38						

* Wrong unit for 4, 5 & 6

Last plate 49343 - too poor to measure -

1,15

B Series 458

Se V

Nov 20, 1917

Sheet no 88

11:30 B 49862 b5

Se 1	Se 2		g	h		PC	
1	B		~~tp~~	6.1	1.06	7.9	−0.74
2	4.1	3.92	tp	7.0	1.02	9.0	−0.98
3	tp		tp	tp		8.5	−0.48
4	4.2	4.00	7.1	tp	1.10	9.0	−0.80
4a	4.4	3.97	tp	tp		9.3	−0.93
5	5.2	3.74	tp	tp		F	
6	5.2	3.96	8.2	tp	0.96		
7	5.1	4.09	8.3	tp	0.89		
8	5.7	3.85	tp	tp			
9	5.9	3.82	9.0	tp	0.72		
10	6.1	3.91	tp	tp			
11	6.1	3.82	9.3	tp	0.62		
12	6.3	3.91					
12a	6.3						
13	6.7	3.76					
14	7.0	3.56					
14a	7.1	3.85					
15	7.2	3.96					
16	7.1	4.26					
17	7.7	4.05					
18	7.7	4.12					
19	7.9	4.15					
20	8.0	4.22	~~Stamina~~				
20a	8.1	4.28	26				
21	8.5	4.19	27				
22	8.9	4.11	28	Images not circular			
23	8.9	4.29	29 ~~9.0~~				
24	9.20 9.1 9.3	4.28	30				
25	F						

Remark June 11, 1921

~~Sequence~~ series re-reduced to scale of B 49862 only, for primary and diff. P.C. requires no correction.

B Series 45-8 Copied B44:98
Copied B34:103 also 140 Bo stars.

DeV Nov 20, 1917

B49863 Se 2 Large Mag. Old

Alt. corr – .35

Seq I			B			g	h	pe		
B 49862 only curve mags		a				4.7 4.70	4.7 ?	7.1	-0.58	6.52
3.92	8.02	γ	4.1	4.31	8.41	tp	tp	9.1	-1.01	8.09
3.91	8.11	g	4.2	4.28	8.48	tp	tp	9.1	-1.01	8.09
3.88	8.98	h'	5.1	4.07	9.17	tp	tp			
3.87	9.17	k	5.3	4.03	9.33					
3.83	10.13	m	6.3	3.87	10.17					
3.85	10.45	n	6.5	3.86	10.36					
3.98	11.48	p	7.5	3.78	11.28					
4.22	13.22	s	9.0	3.78	12.78					

3.83	9.83 21 Ks	1	6.0	3.92	9.92
3.83	10.03	2	6.2	3.88	10.08
3.85	10.35	3	6.5	3.86	10.36
3.87	10.77	4	6.9	3.81	10.71
3.92	11.22	5	7.3	3.79	11.09
3.92	11.22	6	7.3	3.79	11.09
4.00	11.60	7	7.60 7.7 7.5	3.77	11.37
4.09	12.19	8	8.1	3.77	11.87
4.17	12.87	9	8.7	3.77	12.47
4.20	13.10	10	8.9	3.78	12.68
4.30	13.60	11	9.3	3.79	13.09
4.37^{e}	14.07^{e}	12	9.7	3.80	13.50

Old seq not in center. All images poor.

B Series 458

Copied B 34:82

Scl

Nov 20, 1917

B 49862 only B 49864 190 K 5 23−60 act. corr −.27

B 49862 only Curve	Mag.		Sa2		
3.93	7.93	1	4.0	4.36	8.36
3.88	8.89	2	5.1	4.07	9.17
3.87	9.17	3	5.3	4.03	9.33
3.87	10.77	4	6.9	3.81	10.71
3.87	10.77	5	6.9	3.81	10.71
3.90	11.12	6	7.2	3.80	11.00
3.98	11.48	7	7.5	3.78	11.28
4.01	11.71	8	7.7	3.78	11.48
4.05	12.05	9	8.0	3.77	11.77
4.10	12.30	10	8.2	3.77	11.97
4.14	12.64	11	8.5	3.77	12.27
4.17	12.87	12	8.7	3.77	12.47
4.20	13.10	13	8.9	3.78	12.68
4.28	13.48	14	9.2	3.78	12.98
4.37 e	14.07 e	15	9.7	3.80	13.50

g ~~tp~~ h tp B 49862 only Curve Mag. Pc

8.98 9.83 − 0.86 7.44

7.5 7.60 ±.11 7.7 0.88 0.99 8.38 9.5 − 1.09 8.41

8.0 7.95 −.02 7.9 0.75 0.94 8.70 8.89 n.s

Diff. images elongated,

B Series 458

Copied B34:61

ScV

Nov 20, 1917

B49865

B498$\overset{6}{\cancel{7}}$2 only Curve	mag		B49872 only corr	mag	Sc 2	169 K		5
4.40	9.50	1	3.88	8.98	5.1		4.07	9.17
4.01	10.01	2	3.83	983	6.0		3.91	9.91
3.89	10.29	3	3.82	1022	6.4		3.87	10.27
3.75	10.65	4	3.86	10.76	69		3.81	10.71
3.71	10.76	5	3.89 ~~4.00~~	1094	7.0	7.1 7.65 .01	3.80	10.85
3.60	11.10	6	3.97	11.47	7.5		3.78	11.28
3.59	11.19	7	4.00	11.60	7.5	7.7 7.60 .11	3.78	11.39
3.51	11.41	8	4.03	11.93	7.9		3.77	11.67
3.47	11.57	9	4.08	12.18	8.1		3.77	11.97
3.40	11.90	10	4.13	12.53	8.5		3.77	12.27
3.$\overset{3}{8}$6	12.$\overset{1}{6}$6	11	4.19	12.99	8.8		3.77	12.57
3.$\overset{3}{8}$4	12.$\overset{2}{7}$4	12	4.20	13.10	8.9		3.78	12.68
3.31	12.41	13	4.24	13.34	9.1		3.78	12.88
3.27	12.77	14	4.32	13.82	9.5		3.80	13.30
3.24	13.04	15	4.40	14.20	9.8		3.81	13.61

39–45 B49872 only alt. corr -.14

$\overset{9}{8}$.9 8.90 och 8.9 ~~0.59~~ 0.37 ~~9.49~~ 9.12 pc

9.7 tp

Diff. from 4986 2 only

0.74 9.64

B. Series 458

Copied B34:41

Sc V

Nov 20 1917

B49866 149 K 9 — 30.9

act. corr + .06

P.C.

B49862 only curve e	magn.		Se2			g		h		curve	B49862 only magn.				
3.94	7.84	1	3.9	4.37	8.27	elong		7.7	0.76	0.98	8.46	8.68	89	-0.98	7.92
3.89	8.89	2	5.0	4.10	9.10	8.7	8.70°°	8.7	0.64	0.80	9.34	9.50	F		
3.86	9.26	3	5.4	4.01	9.41	9.1	9.10°°	9.1	0.56	0.70	9.66	9.80			
3.83	10.13	4	6.3	3.87	10.17										
3.87	10.77	5	6.9	3.81	10.71										
3.85	10.55	6	6.7	3.83	10.53										
3.89	10.99	7	7.1	3.81	10.91										
3.98	11.48	8	7.5	3.78	11.28										
3.98	11.48	9	7.5	3.78	11.28										
4.04	11.94	10	7.9	3.77	11.67										
4.09	12.19	11	8.1	3.77	11.87										
4.15	12.75	12	8.5 8.7 8.60±.1	3.76	12.36										
4.23	13.23	13	9.0	3.78	12.78										
4.29	13.59	14	9.3	3.79	13.09										
4.40	**14.20**	15	9.8	3.81	13.61										

Copied B35:110

Carte 9h, -30°.5		1	3.4 3.3			7.2	7.20°°	7.2	0.81	1.02	8.01	8.22	90	-1.00	8.00
3.93	7.93	2	4.0	4.35	8.35	7.9	elong		0.76	1.02	8.66	8.88	98	-1.14	8.66
3.91	8.21	3	4.3	4.26	8.56	8.2	elong		0.72	0.90	8.92	9.10	F		
3.88	8.98	4	5.1	4.07	9.17	8.9	8.90°°	8.9	0.59	0.75	9.29	9.65			
3.83	10.03	5	6.2	3.88	10.08										
3.87	10.87	6	7.0	3.80	10.80 Star in										
3.95	11.35	7	7.4	3.78	11.18	13	8.9	3.78	12.68	4.21	13.11				
4.04	11.94	8	7.9	3.77	11.67	14	9.8 9.7 9.75±.01	3.80	13.55 ~~1?.55~~	4.38	14.13				
4.05	12.05	9	8.0	3.77	11.77	15	9.9			4.41	14.31				
4.05	12.05	10	8.0	3.77	11.77										
4.16	12.76	11	8.5 8.7 8.60±.1	3.77	12.37										
4.21	13.11	12	8.9	3.78	12.64										

B Series 458

ScV Nov 20, 1917

B49872 B6 11 + 14.9

	Sc 2				g		h		pc			
1	B				6.1		long	0.66	7.7			-0.94
2	B				tp		tp		7.5			-0.62
3	B				tp		6.9		8.5	8.60^{21}	8.7	-1.09
4	B				7.0	7.85^{01}	7.1	0.51	8.7			-1.14
5	B				tp		tp		8.9			-1.13
6	B				7.5		tp	0.71	8.9			-0.69
7	4.1			4.52	8.0	8.00^{00}	8.0	0.62	9.5	9.60^{21}	9.7	-0.98
8	4.0			4.51	8.0		tp	0.51	9.7			-1.19
9	tp				8.1	8.10^{00}	8.1	0.49	9.8			-1.21
10	4.0			4.90	8.1	8.20^{11}	8.3	0.70	F			
10a	4.3			4.76	8.7	8.60^{11}	8.5	0.46				
11	4.9			4.51	9.2		tp	0.21				
12	5.0			4.34	9.2	9.25^{01}	9.3	0.07				
13	5.1			4.59								
14	6.0			4.06								
14a	7.1											
15	6.0			4.06								
16	6.8	6.85^{01}	6.9	3.67								
17	7.0			3.78								
18	7.4			3.71								
19	7.3			3.63								
20	7.5			3.61								
21	7.9			3.36								
22	8.1			3.44								
23	8.1	8.20^{11}	8.3	3.63								
24	9.0			3.16								
25	9.1			3.23								
26	9.3			3.38								
27	9.7			3.41								

Images poor — 1:30

11, 20
~~11, 20~~

DeV

B Series 458

Sheet no 88

Nov. 21, 1917

B 49862 b5 9 +14.9

	Se 2		g	h		PC	
1	B		tp	6.0	1.16	8.0	−0.84
2	4.1	3.9,8	tp	7.1	0.92	9.0	−0.98
3	B		tp	tp		8.3	−0.28
4	4.3	3.90	7.2	tp ~~7.3~~	1.00	9.1	−0.90
4a	4.5	3.87	tp	tp		9.3	−0.97
5	5.1	3.84	tp	tp		9.9 ?	−0.96
6	5.3	3.86	8.3	tp	0.86		
7	5.3	3.89	8.3	tp	0.89		
8	5.7	3.85	8.9	tp	0.65		
9	6.0	3.72	9.1 9.10°°	9.1	0.62		
10	6.1	3.91	tp	tp			
11	6.2	3.72	tp	tp			
12	6.3	3.91					
12a	6.5						
13	6.5	3.96					
14	6.9	3.66					
14a	7.0	3.95					
15	7.2	3.96					
16	7.3	4.06					
17	7.7	4.05					
18	7.7	4.12					
19	7.9	4.15					
20	8.0	4.22					
20 a	8.2	4.18					
21	8.7	3.99					
22	8.9	4.11					
23	9.0	4.19					
24	9.3	4.18					
25	n.s						

B Series 458

Copied B27:127 5

δ c V

Nov 21, 1917

B49862 only Curve magn. B49868 E4 9 20–45 B49862 Ret. only Curve magn pe corr +.02

Curve	magn.		Sc 2				g		h	Curve	magn	pe		
		1	B				tp		tp			7.3	-0.54	6.76
		2	B				5.9	5.90 00	5.9	0.92 1.16	6.82 7.06	7.9	-0.67	7.23
		3	B				6.2	6.20 00	6.2	0.90 1.18	7.10 7.38	8.1	-0.70	7.40
		4	B				tp		tp			8.0	-0.68	7.32
		5	B				6.3		tp	0.90 1.10	7.20 7.40	8.3	-0.74	7.56
3.9~~3~~1	7.9~~3~~1	6		4.0	4.26	8.26	tp		tp			8.9	-0.89	8.01
3.9~~3~~1	7.9~~3~~1	7		4.0	4.26	8.26	tp		tp			8.9	-0.89	8.01
3.90	8.30	8		4.4	4.17	8.57	tp		tp			9.3	-0.94	8.36
3.89	8.84	9		5.0 4.9 4.95 01	4.09	9.04	8.3		tp	0.58 0.89 0	8.88 9.19	F		
3.88	8.98	10		5.1	4.07	9.17	8.3	8.30 00	8.3	0.5~~7~~8 0.89	8.88 9.19			
3.88	8.98	11		5.1	4.07	9.17	8.7		tp	0.50 0.80 72	9.20 9.50 43			
3.87	9.17	12		5.3	4.04	9.34	8.9	8.90 00	8.9	0.47 0.77 69	9.37 9.65 59			
3.87	9.17	13		5.3	4.04	9.34	9.1	9.10 0	9.1	0.42 0.72 64	9.52 9.80 74			
3.87	9.17	14		5.3	4.04	9.34	9.0		tp	0.44 0.74 67	9.44 9.74 67			
3.87	9.17	15		5.3	4.04	9.34	9.1	9.15 10	9.2	0.40 0.70 62	9.55 9.85 77			
3.8~~4~~8	9.7~~4~~8	16		5.9	3.95 1	9.85	F							
3.8~~4~~9	9.9~~4~~9	17		6.1	3.91	10.01								
3.8~~4~~9	9.9~~4~~9	18		6.1	3.91	10.01								
3.8~~4~~9	10.0~~4~~9	19		6.2	3.90	10.10								
3.~~85~~90	10.~~36~~40	20		6.5	3.87	10.37								
3.~~86~~90	10.~~66~~70	21		6.8	3.86	10.66								
3.9~~3~~9	11.2~~3~~9	22		7.3	3.82	11.12								
3.9~~2~~6	11.1~~2~~6	23		7.2	3.83	11.03								
3.9~~2~~6	11.1~~2~~6	24		7.2	3.83	11.03								
~~3.98~~ 4.01	11.~~48~~51	25		7.5	3.81	11.31	29 8.9	3.80	12.70			4.~~20~~18		13.~~10~~08
4.0~~1~~5	11.7~~4~~5	26		7.7	3.80	11.50	~~30~~ 9.7	3.83	13.53			~~4.28~~ e ~~4.37~~		~~14.07~~ e
4.0~~5~~8	12.0~~5~~8	27		8.0	3.80	11.80	31 9.8	3.84	13.64			~~4.38~~ e		~~14.18~~ e
4.1~~8~~5	12.8~~8~~5	28		8.7	3.80	12.50	32 F							

B Series 458

Copied B45: ~~196~~ 212

ScV

Nov 21, 1917

B49869 Sde.

alt. corr -9 2

B49872 only curve	magn.		Sc 2			g	h	B49872 only curve	magn.	PC		
.	.	a	B			5.9	tp	$0.93^{0.78}$	$6.83^{6.68}$	7.0	·	
.	.	b	B			tp	tp			7.8	-0.66	7.14
.	.	c	B			6.7	tp	$0.86^{0.65}$	$7.56^{7.35}$	8.5	-0.80	7.70
4.68	8.88	d	4.2	4.21	8.41	69	elong	$0.83^{0.62}$	$7.73^{7.52}$	8.7 8.5 8.60''	-0.82	7.78
4.70	8.80	e	4.1	4.24	8.34	tp	tp			defective		
4.52	9.22	e'	4.7	4.13	8.83	7.5	tp	$0.75^{0.57}$	$8.25^{8.02}$	9.3	-0.95	8.35
4.50	9.30	f	4.8	4.11	8.91	7.8 7.80°° 7.8		$0.70^{0.50}$	$8.50^{8.30}$	9.3	-0.95	8.35
4.39	9.49	g	5.1	4.07	9.17	tp	tp			9.8	-1.02	8.78
4.32	9.62	h	5.3	4.05	9.35	8.1 8.10°° 8.1		$0.65^{0.45}$	$8.75^{8.55}$			
4.19	9.89	k	5.7	3.98	9.68	8.5 8.50°° 8.5		$0.55^{0.37}$	$9.05^{8.87}$			
4.04	10.14	l	6.1	3.91	10.01	tp	tp					
4.10	10.00	l'	5.9	3.96	9.86	9.1	tp	$0.42^{0.21}$	$9.52^{9.31}$			
$3.9\overset{0}{8}$	10.40	m	6.5	3.87	10.37							
$3.9\overset{0}{8}$	10.40	n	6.5	3.87	10.37							
3.80	10.50	n'	6.7	3.86	10.56							
3.80	10.50	o	6.7	3.86	10.56							
3.68	10.78	p	7.1	3.84	10.94							
3.64	10.84	q	7.2	3.83	11.03							
3.53	11.03	r	7.5	3.81	11.31							
3.49	11.29	s	7.8	3.80	11.60							
3.50	11.20	t	7.7	3.80	11.50							
3.40	11.70	w	8.3	3.80	12.10							
3.31	12.61	x	9.3	3.80	13.10							

Diff images elong

B Series 458

ScV　Nov 21, 1917　Copied 35:136

B49870 Dart 10 0-40.6　alt. corr +.04

B49862 only Curve magns.			Sc 2			g	h
3.88	8.68	1	4.8	4.11	8.91	elong	elong
3.87	8.97	2	5.1	4.07	9.17	elong	elong
3.88	9.88	3	6.0	3.93	9.93	elong	elong
3.89	10.09	4	6.2	3.90	10.10	elong	elong.
3.91	10.61	5	6.7	3.86	10.56		
3.90	10.40	6	6.5	3.88	10.38.		
3.93	10.93	7	7.0	3.85	10.85		
4.02	11.62	8	7.5 7.60±1 7.7	3.81	11.41		
4.05	11.75	9	7.7	3.80	11.50		
4.09	12.19	10	8.1	3.80	11.90		
4.10	12.40	11	8.3	3.80	12.10		
4.15	12.85	12	8.7	3.80	12.50		
4.22	13.52	13	9.3	3.80	$1\overset{3}{2}.10$		
4.28	13.98	14	9.7	3.83	13.53		

PC 9.40±1			
9.3	9.5	−0.96	8.44
9.8		−1.02	8.78

B Series 458

Copied 35,184

S. C. V. Nov 21, 1917

From B49872 only

B49871 Date 10 0−64 6 Alt. corr. −13

Corr Magn		Diff Cu	magn.		Sc 2			g	h			Pc		from 49872 only		magn
.		0.73	6.83	1	B	.	.	6.1 6.10 6.1	p	0.90	7.00	7.8	−0.65	0.95	7.15	6.85
.		0.68	7.18	2	B	.	.	6.5	tp	0.88	7.38	8.1	−0.70	1.00	7.40	7.10
.		.	.	3	B	.	.	elong	elong	.	.	8.7	−0.84	1.08	7.86	7.62 ~~7.75~~
.		0.52	8.02	4	B	.	.	7.5	tp	0.75	8.25	9.1	−0.91	1.12	8.19	7.98 ~~8.15~~
4.72	8.82	.	.	5	4.1	4.24	8.34	tp	tp	.	.	9.8?	−1.01	1.22	8.79?	8.5?
4.40	9.50	0.26	9.21	6	5.1	4.07	9.17	9.0 8.95 8.9		0.45	9.40					
4.12	9.92			7	5.8	3.96	9.76									
3.88	10.38			8	6.5	3.88	10.38									
3.75	10.65			9	6.9	3.85	10.75									
3.60	10.90			10	7.3	3.83	11.13									
3.48	11.28			11	7.8	3.80	11.60									
3.37	11.87			12	8.5	3.80	12.30									
3.32	12.12			13	8.8	3.80	12.60									
3.31	12.31			14	9.0	3.80	12.80									
3.30	12.90			15	9.5 9.60 9.7	3.82	13.42									

B Series 458

Se V Nov 21, 1917

B 49872 Db

	Se 2		g	h		PC	
1	B		60	tp	0.76	7.7	−0.94
2	B		tp	tp		7.7	−0.82
3	B		tp	6.9	0.61	8.7	−1.19
4	B		7.0	tp	0.56	8.7	−1.14
5	B		tp	tp		8.9	−1.13
6	B		7.3	tp	0.91	9.0	−0.79
7	4.1	4.52	80	tp	0.62	9.7	−1.08
8	4.1	4.41	80	tp	0.51	9.7	−1.19
9	tp		8 18.10 8.1		0.49	9.8	−1.21
10	4.0	4.90	8.18.28 8.3		0.70	7	
10a	4.2	4.86	87	tp	0.36		
11	4.9	4.51	9.3	tp	0.11		
12	4.8	4.54	9.2	tp	0.04		
13	5.4	4.29					
14	6.1	3.96					
14a	7.1	5.88					
15	5.7 5.9	4.26					
16	6.8	3.72					
17	7.0	3.78					
18	7.5	3.61					
19	7.3	3.63					
20	7.7	3.41					
21	7.9	3.36					
22	8.1	3.44					
23	8.2	3.63					
24	8.9	3.26					
25	9.1	3.23					
26	9.3	3.38					
27	9.7	3.42					

2 : 05

B Series 463

Dcr

Nov 27, 1917

B49921 Db 11 0 +14.9

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14a
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23 8.7 ~~90~~
24 90
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Plate too poor-
images elongated-
Did not notice plate
was marked "B"

B Series 463

Slide no 93

Copied B 27144

11 ; w

DeV

Nov 27, 1917

B 49922 D6 11 v − 15

alt. corr + .07

	Sc2				g	h			Pc		
1	B				tp	tp			7.9	−0.98	6.92
2	B				tp	tp			8.3	− 1.06	7.24
3	B				tp	tp			8.3 8.20'' 8.1	−1.04	7.16
4	3.9	4.52	8.42		tp	tp			8.5	−1.10	7.40
5	4.2	4.46	8.66		elong	elong			8.9	−1.18	7.72
6	4.3	4.41	8.71		7.3	tp	0.57	7.87	9.1	−1.20	7.90
7	4.4	4.39	8.79		7.3	tp	0.57	7.87	9.1	−1.20	7.90
8	4.9	4.26	9.16		tp	tp			9.8	−1.29	8.51
9	5.0	4.22	9.22		7.8	tp	0.49	8.29	9.8	−1.29	8.51
10	5.1	4.20	9.30		tp	8.0	0.46	8.46			
11	5.1	4.20	9.30		8.1	tp	0.45	8.55			
12	5.4	4.13	9.53		8.3	tp	0.43	8.73			
13	5.5	4.10	9.60		tp	tp					
14	5.5	4.10	9.60		tp	tp					
15	5.9	4.02	9.92		8.9	8.95 9.0	0.35	9.30			
16	6.0	4.00	10.00		9.3	tp	0.32e	9.62e			
17	6.3	3.93	10.23								
18	6.5	3.90	10.40								
19	6.8	3.83	10.63								
20	7.1	3.77	10.87								
21	7.4	3.70	11.10	29	8.9		3.37	12.27			
22	7.7	3.66	11.36	30	8.9		3.37	12.27			
23	7.9	3.60	11.50	31	9.2		3.31	12.51			
24	7.8	3.63	11.43	32	9.3		3.29	12.59			
25	8.0	3.58	11.58	33	9.5		3.25	12.75			
26	8.0	3.58	11.58	34	9.8		3.18	12.98			
27	8.2	3.54	11.74	35	9.9		3.17	13.07			
28	8.5	3.47	11.97	36	ms						

Diffs images elong—

B Series 463

copied B34:18

Sc V

Nov 27, 1917

B49923 126K 10 17 – 15 alt. corr +.07

	Sc 2				g		h			pc		
1	3,9		4.52	8,42	6,1	6.10	6,1	0.76	6,86	8,3	-1.07	7.23
2	5,0		4.23	9,23	elong		elong			9,8	-1.30	9.50
3	5,9		4.01	9,91								
4	6,1		3.97	10,07								
5	6,3		3.95	10,25								
6	6,7		3.86	10,56								
7	7,3	7.40±1 7,5	3.70	11,10								
8	7,5		3.68	11,18								
9	8,1		3.56	11,66								
10	8,3	8.40±1 8,5	3.49	11,89								
11	9,0		3.34	12,34								
12	9,5	9.60±1 9.7	3.22	12,82								
13	f											

Images poor

B Series 463

Copied B 44:188

ScV

Nov 27, 1917

B49924 η Carinae 10 41 - 59.4

alt. corr -.07

		Sc2	29Ks		g	h			pc			
	a	3.9	4.51	8.41	tp	7.0	0.59	7.59	8.5		-1.10	7.40
	b	4.9	4.25	9.15	Sup							
	c	4.8	4.28	9.08	tp	7.9	0.48	8.38	9.7	9.60±1 9.5	-1.27	8.33
	d	4.9	4.25	9.15								
	e	5.1	4.20	9.30								
	f	5.0	4.23	9.23								
	g	6.2	3.96	10.16								
	g'	5.4	4.13	9.53								
Dbl?	a'	5.3	4.15	9.45								
Dbl	f'	5.1?	4.20	9.30								
	a^2	4.2	4.44	8.64								
	a^3	4.7	4.30	9.00								
	a^4	4.9	4.25	9.15								
	a^5	4.9	4.25	9.15					9.8?		-1.29	8.51
	α	3.7	4.57?	8.27?								

Copied B 34:108

29Ks	1	4.9	4.25	9.15					9.3	-1.23	8.07
	2	5.0	4.23	9.23							
	3	5.4 5.5 5.45±1	4.12	9.57							
	4	5.7	4.07	9.77							
	5	6.1	3.97	10.07							
	6	6.3	3.94	10.24							
	7	6.5	3.90	10.40							
	8	6.9 7! 7.00±1	3.78	10.78							
	9	7.5	3.68	11.18							
	10	7.8	3.63	11.42	16	9.1 9.3 9.20±1	3.31	12.51			
	11	8.0	3.57	11.57							
	12	8.3	3.52	11.82	17	9.7	3.20	12.90	Reg. thick - PCs uncertain -		
	13	8.5	3.48	11.98	18	9.8	3.18	12.98			
	14	8.7 8.65±1	3.41	12.11							
	15	[illegible]	3.35	12.23							

B Series 463

Copied B 45:198

Sc4

Nov 27, 1917

B49925 Pole

Alt. corr. 92

	Sc 2			g	h			pc		
a	B			5.3	elong			7.3	-0.84	6.46
b	B			tp	6.3	0.72	7.02	8.1	-1.03	7.07
c	B			tp	tp			8.5	-1.10	7.40
d	4.0	4.50	8.50	tp	tp			8.7	-1.14	7.56
e	4.0	4.50	8.50	elong	elong			8.8	-1.17	7.63
e'	4.4	4.37	8.77	8.0	tp	0.46	8.46	9.5	-1.26	8.24
f	4.3	4.41	8.71	tp	tp			9.5	-1.26	8.24
g	4.9	4.26	9.16	8.0 7.95	$\overset{02}{7.9}$	0.47	8.42~~7~~	9.9	-1.30	8.60
h	5.1	4.20	9.30	tp	tp					
k	5.7	4.06	9.76	9.1 9.10^{00}	9.1	0.04	9.44			
l	6.2	3.97	10.17							
l'	6.3	3.94	10.24							
m	6.5	3.90	10.40							
n	6.7	3.85	10.55							
n'	6.9	3.81	10.71							
o	7.0	3.78	10.78							
p	$\overset{7.30^{12}}{~~7.4~~}$ 7.2	3.73	11.03							
q	7.5	3.68	11.18							
r	7.5	3.68	11.18							
s	7.8	3.63	11.43							
t	8.0	3.58	11.58							
w	8.5	3.47	11.97							
x	9.5	3.26	12.76							

Images not circular

B Series 463

Sc V

Nov 27, 1917

~~Oct~~

B49926 b 6

	sc2		g	h		pc	
1	B		6.0	tp	0.76	7.8	-1.04
2	B		tp	tp		7.7	-0.82
3	B		tp	7.0	0.51	8.9 8.80^{11} 8.7	-1.29
4	B		6.9 6.90^{00}	6.9	0.66	8.5	-0.94
5	B		7.1	tp	0.67	9.0	-1.23
6	B		7.7 7.70^{00}	7.7	0.51	9.5	-1.29
7	B		~~5.8~~	~~5.8~~		~~7.5~~? Star sup	
8	4.0	4.51	8.1 8.10^{00}	8.1	0.41	9.9	-1.39
9	4.1	4.49	8.1 8.10^{00}	8.1	0.49	9.8	-1.21
10	4.7	4.20	8.7 8.60^{11}	8.5	0.30		
10a	5.0	4.06	8.7 8.60^{11}	8.5	0.46		
11	5.2	4.21	9.0 9.00^{00}	9.0	0.41		
12	5.0	4.34	8.9 8.95^{10}	9.0	0.39		
13	5.5	4.19					
14	6.1	3.96					
14a	7.1						
15	6.0	4.06					
16	6.7	3.82					
17	6.9	3.88					
18	7.3	3.81					
19	9.7	?1.23?					
20	7.3	3.81					
21	7.9	3.36					
22	8.0	3.54					
23	8.1	3.73					
24	8.9	3.16					
25	8.9	3.43					
26	9.3	3.38					
27	9.9	?3.12					

1; 30

10:45

ScV

B Series 463

Dec 1, 1917

B49926 b6

Se 1	Se 2		g	h		Pc	
1	B		5.9 5.95^{20} 6.0		0.81	7.8	−1.04
2	B		tp	tp		7.7	−0.82
3	B		tp	6.9.	0.61	8.7	−1.19
4	B		7.0	tp	0.56	8.7	−1.14
5	B		7.2	tp	0.57	8.9	−1.13
6	3.9	4.31	7.6	tp	0.61	9.5	−1.29
7	tp		tp	tp		sup-	
8	4.2	4.31	8.1	elong-	0.41	9.9 ? [illegible]	−1.39
9	4.1	4.49	8.3 8.20^{11}	8.1	0.39	9.8	−1.21
10	4.4	4.50	8.7 8.70^{00}	8.7	0.20		
10a	4.9	4.16	8.9 8.90^{00}	8.9	0.16		
11	5.2	4.21	9.0	tp	0.41		
12	5.1	4.24	9.2	tp	0.14		
13	5.4	4.29	F	9.8	−0.11		
14	6.1	3.96					
14a	7.2						
15	6.0	4.06					
16	6.9	3.62					
17	7.0	3.78					
18	7.3	3.81					
19	7.5	3.43					
20	7.5 $\overset{7.40^{11}}{7.3}$	3.71					
21	7.7	3.57					
22	7.9	3.64					
23	8.2	3.63					
24	8.8	3.36					
25	9.0	3.33					
26	9.3	3.38					
27	9.8	3.32					

B Series 463

Sc V

Dec 1, 1917

Copied 1334:85

B49927 193K 11 28-60

Alt. corr -.08

	Sc 1	Sc 2			g	h			pc		
1		B			6.1	tp	0.77	6.87	7.9	-1.00	6.90
2		5.1	4.12	9.22							
3		5.7	3.96	9.66							
4		6.3	3.80	10.10							
5		6.5	3.77	10.27							
6		7.1	3.63	10.73							
7		7.1	3.63	10.73							
8		7.5	3.56	11.06							
9		7.5	3.56	11.06							
10		7.9	3.51	11.41							
11		8.1	3.50	11.60							
12	ws	8.5 ~~9.0~~	3.50	12.00							
13	w.s	8.9 ~~9.2~~	3.50	12.40							
14		9.2	3.50	12.70							
15		9.60 11 9.5 9.7	3.51	13.11							

Diff images too poor.

B Series 463

Copied B 34:67

ScV

Dec 1, 1917

B+49928 175K 11 38—45 ext. corr + .2

	Sc1	Sc2			g		h			PC	
1		4.3	4.31	8.61	7.3			0.54	7.84	8,9 −1.16	7,74
2		5.4	4.03	9.43	8.1	8.10°°	8.1	0.40	8.50	9.8 −1.30	8,50
3		·6.4	3.77	10,17	tp		tp				
4		·7.1	3.63	10,73							
5		7.3	3.59	10,89							
6		7.5	3.57	11,07							
7		7.5	3.57	11,07							
8		7.7	3.54	11,24							
9		8.3	3.50	11,80							
10		8.5	3.50	12,00							
11		8.5	3.50	12,00							
12		8.9	3.50	12,40							
13		8.7	3.50	$1\overset{2}{3}$,20							
14		9.8	3.53	13,33							
15		F									

B Series 463

Copied B44:208

Dcv

Dec 1, 1917

B49929$_{Sc.2}$ W Centauri 11 51 - 58 Alt. cor -.06

	B			g	h				
a				6.0 $6.10^{\pm 1}$	6.2	p	0.77	6.87	83 ? −1.08 7.22 Line Almost Sup. on diff.
a′	4.8	4.19	8,99	7.1	tp	0.58		7,68	9.3 −1.22 $8.\overset{0}{1}8$
a^2	5.1	4.12	9,22	tp	tp	.			Sup.
c	4.7	4.20	8.90	tp	tp	.			9.3 −1.22 8.08
d	5.3	4.07	9,37	8.3 $8.30^{\pm 0}$	8.3	p	0.34	8,64	
e	5.7	3.96	9,66	tp	tp	.			
f	6.1	3.85	9.95						
h	6.5	3.75	10.25						
h′	6.7	3.72	10.42						
k	7.1	3.62	10,72						
k′	7.3	3.59	10,89						
l	$\overset{7.95^{\pm 01}}{8.0\ 7.9}$	3.50	11,45						
m	8.1	3.50	11,60						
m′	$\overset{8.60^{\pm 1}}{8.5\ 8.7}$	3.50	12,10						
n	$\overset{9.20^{\pm 1}}{9.3\ 9.1}$	3.50	12,70						
o	$\overset{9.75^{\pm 0}}{9.7\ 9.8}$	3.52	13,27						
p	10.0 ? ft.	3.04	13,04						

Images slightly elongated.

B Series 463

Copied 35: 138

Sct

Dec 1, 1917

B 49930 Carte 12 0 − 40.6 alt. corr +.04

	sec z			g	h			pc		
1	4.4	4.29	8.69	7.3	tp	0.54	7.84	8.8	−1.15	7.65
2	5.4	4.04	9.44	8.3	tp	0.34	8.64	9.9	−1.30	8.60
3	6.1	3.86	9.96	9.0 8.95	$\overset{0.1}{8.9}$	0.15	9.10			
4	6.2	3.83	10.03							
5	6.7	3.72	10.42							
6	7.0	3.65	10.65							
7	7.2	3.60	10.80							
8	7.5	3.56	11.06							
9	7.7	3.53	11.23							
10	8.0	3.50	11.50							
11	$\overset{8.20 \pm .1}{8.1 \ 8.3}$	3.50	11.70							
12	$\overset{8.80 \pm .1}{8.9 \ 8.7}$	3.50	12.30							
13	9.0	3.50	12.50							
14	9.3	3.50	12.80							
15	9.8	3.52	13.32							

B Series 463

Copied 35:186

SeV Dec 1, 1917

B49931 Dante 12 0 −64.6 alt. corr −19

	Se2			g	h			PC		
1	B	.	.	6.7 6.75^{10}	6.8	0.65	7.40	8.0	−1.02	6.98
2	4.0	4.39	8.39	7.7 7.60^{12}	7.5	0.50	8.10	9.1	−1.20	7.90
5 ~~3~~	5.2	4.10	9.30	8.8 8.85^{01}	8.9	0.19	9.04			
4	4.7	4.20	8.90	8.1 8.20^{11}	8.3	0.37	8.57			
3 ~~5~~	4.3	4.31	8.61	7.8	sup	0.45	8.25	9.5 ?	$^{-1.25}$	$^{8.25?}$ close to another d!-
6	5.9 $^{5.70\,22}$ 5.5	3.96	9.66	9.1	tp	0.10	9.20			
7	6.5	3.76	10.26							
8	7.2 $^{7.25\,01}$ 7.3	3.60	10.85							
9	7.5	3.56	11.06							
10	7.9	3.51	11.41							
11	8.2 $^{8.18\,11}$ 8.0	3.50	11.60							
12	8.3 $^{8.40\,11}$ 8.5	3.50	11.90							
13	8.7	3.50	12.20							
14	8.9	3.50	12.40							
15	9.3	3.50	12.80							
15a	n.s.?		n.s.?							
16	9.8	3.52	13.32							

B Series 463

Sel

Dec 1, 1917

B+49932 B7 13 +14.9

	Sc2		g		h		PC	
1	B		tp		tp		7.9	−1.05
2	B		tp		tp		8.9	−1.19
3	B		7.7		tp	0.41	9.2	−1.09
4	B		tp		8.0	0.20	9.3	−1.10
5	4.3	4.26	8.3	8.40^{-1}	8.5 p	0.16	9.8	−1.24
6	4.7	4.24	8.7	8.70^{0}	8.7	0.24		
7	5.3	3.90	9.0	9.05^{+1}	9.1	0.15		
8	5.7	3.90	9.5 ~~F~~	9.60^{-1}	9.7	0.00		
9	6.1	3.71						
10	6.1	3.99						
11	6.4	3.71						
12	6.8	3.56						
13	7.1	3.56						
14	7.3	3.52						
15	7.4	3.59						
16	7.7	3.53						
17	7.9	3.66						
18	8.3	3.39						
19	8.7	3.31						
20	8.9	3.36						
21	9.2	3.61						
22	9.5	3.76						
23	9.8	3.60						
24	F							
25	F							
26	W.S ~~8.9 9.1~~							
27							1', 30	
28								

Diff. images very poor along

B Series 465

10 – 30

Dcx

Shut n 131

Dec 4. 1917

B49945 b8 15 + 14.9

	Se2		g	h		Pc	
1	4.0	3.20	tp	6.5	0.70	$8.8\ 8.65^{21}\ 8.5$	−1.45
2	B		tp	tp		$8.1\ 8.20^{11}\ 8.3$	−0.96
3	5.0	3.09	tp	7.7	0.39	$9.3\ 9.40^{11}\ 9.5$	−1.31
4	B		tp	tp		8.3	−0.58
5	tp		tp	tp		9.0	−1.08
6	4.7	3.41	tp	tp		9.3	−1.19
6a	5.1	3.69	tp	tp		$9.7\ ^{9.75\,10}\ 9.8$	−0.96
7	5.3	3.51	tp	tp		98	−0.99
8	5.3	3.67	$8.7\ 8.70^{00}\ 8.7$		0.27		
9	5.4	3.82	$8.9\ 8.95^{10}\ 9.0$		0.27		
10	6.0	3.52	clouy	clouy			
11	$5.9\ ^{5.95\,10}\ 6.0$	3.56	$9.3\ 9.30^{00}\ 9.3$		0.21		
12	6.1	3.65	9.5	tp	0.25		
13	6.4	3.49	$9.7\ 9.75^{10}\ 9.8$		0.14		
14	6.5	3.47	98	F	0.17		
15	6.9	3.46					
16	7.1	3.42					
17	7.1	3.54					
18	7.1	3.58					
19	7.1	3.58					
20	7.3	3.27					
20a	7.5	3.72					
20b	7.5	3.87					
21	7.5	3.92	26 9.0	3.73			
22	8.0	3.82	27 $9.5\ ^{9.60\,21}\ 97$	3.71			
23	8.1	3.89	–28 F				
24	8.3	3.79					
25	8.7	3.56					
25a	8.9	3.77					

B Series 465

Copied Bx7:60

δ Cy

Dec 4, 1917

B 49946 D8 - 15 - 15 alt. corr + .07

	Sc 1		Sc 2			g	h			Pc		
1												
2												
3	4.0 3.9 .1	$4.00^{\circ\circ}$	4.0	3.64	7,64	tp	6.7	0.67	7,37	8.8	-1.20	7,60
4			tp			tp	tp			8,3	-1,13	7,17
5	4.1 4.0	$4.10^{\circ\circ}$	4.1	3.65	7.75	tp	7,0	0,63	7,63	9.0	-1.20	7,80
6	4.4 4.3	$4.40^{\circ\circ\circ\circ}$	4.3 4.40^{11} 4.5	3.67	8,07	tp	7.2	0.60	7.80	8.9	-1.20	7.70
7	4.4 4.3	4.45^{-01}	4.5	3.67	8,12	tp	tp			9.0	-1.20	7.80
8	4.6 4.5	4.65^{-01}	4.7	3.68	8,33	tp	tp			9.0	-1.20	7.80
9			4.9	3.70	8.60	tp	tp			9.1	-1.20	7.90
10			5.0	3.70	8,70	tp	tp			9.8	-1.10	8,70
11			5.1	3.70	8,80	tp	tp			9.8	-1.10	8.70
12			5.4 5.45^{01} 5.5	3.71	9,16	tp	8.4	0.42	8,82			
13			5.8	3.71	9,51	8.9	tp	0.34	9,24			
14			6.0	3.70	9,70	tp	tp					
15			6.1	3.70	9,80							
16			6.4	3.70	10,10							
17			6.7	3.70	10,40							
18			7.0 6.95^{01} 6.9	3.70	10,65							
19			7.2	3.72	10,92							
20			7.5	3.74	11,24							
21			7.7	3.74	11,44							
22			7.8	3.74	11,54							
23			7.8	3.74	11,54							
24			8.2	3.73	11,93							
25			8.7	3,68	12,38	29	9.8	3.54	13,34			
26			8.9	3.66	12,56	30	9.8	3.54	13,34			
27			9.3 9.20^{11} 9.1	3.62	12,82							
28			9.8 9.40^{11} 9.5	3,60	13,00							

See diff images
from - along -

B Series 465

Copied 38:20

ScV

Dec 4, 1917

B 49947 Sc 2 Eros 15 −50

Q.O. corr −.01

						g	h			pc		
1			B			5.7	tp	·	·	7.3	·	
2	3.9 3.8	$3.95^{1.0}$	4.0	3.64	7,59	tp	tp			8.1	8.20^{21} 8.3 −1.07	7.13
3	4.2 4.1	4.25^{01}	4.3	3.66	7,91	6.9	tp	0.65	7.55	8.8	−1.20	7.60
4			5.2	3.70	8,90	tp	tp			9.8	−1.10	8.70
5			5.4	3.71	9.11	tp	tp					
6			6.0	3.70	9.70	tp	tp					
7			6.5	3.70	10.20							
8			6.9	3.70	10.60	/						
9			7.1	3.70	10.80							
10			7.4	3.73	11,13							
11			7.7	3.74	11,44							
12			7.9	3.74	11,64							
13			8.1	3.73	11,83							
14			8.5	8.40^{12} 8.3 3.73	12,13							
15			9.1	3.63	12,73							
16			9.3	3.60	12,90							
17			9.5	9.60^{11} 97 3.57	13.17							

B Series 465

Sc V

Dec 4, 1917

Copied B45:196

B+49948 Pole

alt. corr -.93

	Sc1	Sc2			g	h			pc		
a		B			5.9	tp			7.2		
b		B			tp	tp			7.8	-0.95	6.85
c		4.1	3.65	7.75	tp	tp			8.2	-1.08	7.12
d		4.3 4.20!! 4.1	3.66	7.86	tp	tp			8.5 8.60!! 8.7	-1.18	~~8~~ 7.42
e		4.3	3.67	7.97	tp	tp			8.9	-1.20	7.10
e′		4.7 4.8!! 4.9	3.69	8.49	7.7	tp	0.53	8.23	9.3	-1.19	8.11
f		5.0 4.95′01 4.9	3.70	8.65	tp	tp			9.2	-1.20	8.00
g		5.0	3.70	8.70	tp	tp			9.2 9.25 01 9.3	-1.19	8.06
h		5.4	3.71	9.11	8.5	tp	0.40	8.90			
k		5.9	3.70	9.60	tp	tp					
l		5.9	3.70	9.60							
l′		6.2	3.70	9.90							
m		6.3	3.70	10.00							
n		6.5	3.70	10.20							
n′		6.7	3.70	10.40							
o		6.9	3.70	10.60							
p		7.2	3.71	10.91							
q		7.5	3.74	11.24							
r		7.5	3.74	11.24							
s		8.0	3.74	11.74							
t		8.0	3.74	11.74							
w		8.3	3.73	12.03							
x		9.9 ?									

See diff images along.

B Series 465

ScV Dec 4, 1917

B 49949 b 8 15 f 14.9 ~~Alt. ove~~

1	B		6.5 6.50^{00h} 6.5 0.70	8.5 −1.30
2	B		tp tp	8.5 −1.26
3	4.0	4.09	7.7 7.75^{10} 7.8 0.34	9.2 −1.11
4	tp		tp tp	8.5 −0.78
5	tp		tp tp	9.1 −1.18
6	4.3	3.81	7.8 7.80^{20} 7.8 0.31	9.3 −1.19
6a	4.9	3.89	8.2 tp 0.59	9.8 −1.01
7	5.0	3.81	tp tp	
8	4.9	4.07	8.3 tp 0.67	
9	5.3	3.92	8.8 tp 0.42	
10	5.5	4.02	9.0 9.05^{01} 9.1 0.47	
11	Scr.		Scr.	
12	5.9	3.85	tp tp	
13	6.1	3.79		
14	6.1	3.87		
15	6.6	3.76		
16	6.9	3.62		
17	7.1	3.54		
18	7.1	3.56		
19	7.1	3.58		
20	7.1	3.47		
20a	7.3	3.72		
20b	7.5	3.87		
21	7.7	3.72		
22	7.9	3.92	26 9.3 3.43	1 : 30
23	8.2	3.79	27 9.7 3.61	
24	near scr.		—28 f	
25	8.8	3.46		
25a	9.0	3.67	Plate scratched thro' center	

B Series 465

12:00

Sc

Dec 10, 1917

Shut no 86

B49949 Sc8 15 + 14.9

	Sc1	Sc2		g	h		pc	
1		B		tp	61	1.10	8.3	-1.10
2		tp		tp	tp		8.5	-1.26
3		B		7.7 7.70	7.7.	0.39	9.2	-1.11
4		tp		tp	tp		8.8	-1.08
5		4.1	3.82	tp	tp		9.1	-1.18
6		4.3	3.81	tp	tp		9.1	-0.99
6a		4.9	3.89	81	tp	0.69	9.8	-1.01
7		5.1	3.71	tp	tp			
8		4.9	4.07	83	tp	0.27		
9		5.4	3.82	8.9	tp	0.32		
10		5.7	3.82	91	tp	0.42		
11		Scr.		Scr.				
12		5.9	3.85	near Scr –				
13		6.1	3.79	F				
14		61	3.87					
15		6.5	3.86					
16		6.8	3.72					
17		7.2	3.44					
18		7.1	3.58					
19		7.1	3.58					
20		7.1	3.47					
20a		7.3	3.92					
20b		7.5	3.87					
21		7.7	3.72					
22		8.0	3.82	26 9.3	3.43			
23		8.3	3.69	27 9.7	3.61			
24		near Scr.		28 F				
25		8.8	3.46					
25a		9.0	3.67					

B Series 465

SeV

Dec 10, 1917

Copied B45:65

B49950 χ Scorpii 16 2 − 21.4

Alt. corr +.06

		g	''		g	h		pc	
χ − b =	a°	4.6	3.82	8.42	tp	tp		97 −1.10	8.60
l	a°'	5.1	3.80	8.90	tp	tp		F	
d =	b°	B			7.5 7.60 ±1	7.7 0.62	8.22	89 −1.05	7.85
	c°	6.2	3.75	9.95	F				
	e°	7.1	3.70	10.80					
	d°	7.7	3.70	11.40					
	d°'	8.1	3.70	11.80					
k =	f°	8.3	3.70	12.00					
	g°	8.5	3.70	12.20					
	k°	8.8	3.71	12.51					
	h°	9.8	3.86	13.66					
	m°	8.5 8.60 ±1 8.7	3.70	12.30					
	l°	9.8	3.86	13.66					
	n°	9.9	3.88	13.78					

Over

B Series 465

Copied B45:64

Sc 4

Dec 10, 1917

B 49950 δ Scorpii

Act. corr +.06

	Sc 1	Sc 2			g	h			pc		
a		B			7.3	elong	0.69	7.99	8.9	-1.04	7.86
b		4.3	3.85	8.15	8.3	tp	0.51	8.81	9.8	-1.10	8.70
c		5.2	3.80	9.00	tp	tp			8.7	-1.03	7.67
d		B			7.7	elong	0.60	8.30	8.9	-1.04	7.86
e		6.0	3.75	9.75	tp	tp					
f		6.1 6.3 6.20±'	3.75	9.95	tp	tp					
f'		6.5	3.73	10.23							
f²		7.4	3.7$\overset{0}{4}$	11.10							
g		8.1	3.70	11.80							
h		7.5	3.70	11.20							
k		8.3	3.70	12.00							
l		8.0 8.2 8.10±'	3.70	11.80							
l'		8.9	3.72	12.62							
m		9.1	3.74	12.84							
n		9.4	3.77	13.17							
o		9.8	3.86	13.66							
p		9.5	3.79	13.$\overset{3}{29}$							

B Series 465

Copied B 34:24

Sct

Dec 10, 1917

B49951 132K 16 12 – 15.1

Alt. corr + .7

	Sc1	Sc2			g	h			pc		
1		4.0	3.85	7.85	tp	6.7	0.84	7.54	8.3	-0.98	7.32
2		4.2	3.84	8.04	tp	tp			8.5	- 1.01	7.49
3		4.9	3.83	8.73	7.7	tp	0.60	8.30	9.3	- 1.07	8.23
4		6.0	3.76	9.76	tp	tp					
5		6.2	3.74	9.94							
6		6.7	3.73	10.43							
7		7.5	3.70	11.20							
8		7.7	3.70	11.40							
9		7.9	3.70	11.60							
10		8.3	3.70	12.00							
11		8.3	3.70	12.00							
12		9.1	3.74	12.84							
13		9.5	3.79	13.29							
14		9.8	3.80	13.60							
15		9.9	3.88	13.78							

Images not circular

B Series 465

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Del

Dec 10, 1917

B49952 g Oph 16 29 – 16.5 Alt. corr +.07

							pc
g Oph –	a	S B	"		tp	tp	8.2 -0.97 7.23
	b	5.1	3.80	8.90	tp	tp	Sup –
	b¹	5.7 55 5.60!!	3.77	9.37	tp	tp	9.9? -1.10 8.80
	b²	6.1	3.74	9.84			
	c	6.1	3.74	9.84			
	d	7.0	3.71	10.71			
	e	7.7	3.70	11.40			
	f	8.7	3.70	12.40			
	g	8.5	3.70	12.20			
	h	9.7	3.84	13.54			
	k	9.1	3.74	12.84			
	l	9.5 9.7 9.60!!	3.80	13.40			

B Series 465

Copied B45:87

DeV

Dec 10, 1917

B49952 S Oph

alt. corr + .07

		Sc 2			g	h	PC		
	a	B			tp	tp	9.0	-1.06	7.94
	b	4.9	3.81	8,71	tp	tp	9.8	-1.10	8.70
	b'	5.4	3.78	9,18	tp	tp	f		
	b2	6.0	3.74	9,74					
	c	6.3	3.74	10,04					
	d	7.5	3.70	11.20					
	e	7.1	3.70	10,80					
	f	7.3	3.70	11,00					
	g	8.1	3.70	11,80					
	h	8.4	3.69	12,09					
	k	9.0	3.73	12,73					
	l	9.1	3.74	12,84					
	m	9.0	3.73	12,73					
	n	9.5	3.79	13,29					
?	o	9.5	3.79	13,29					
	p →								
?	q								

All images poor

1:30

2:00 Del

B Series 465

Copied B34:114

Dec 10, 1917

Adj. corr +.06

B 49953 Sc2 36 Ks 16 29 — 241

	Sc2			g					pc		
1	5.5	3.78	9.28	8.1	8.10 h	8.1	0.54	8.64	97	-1.10	8.60
2	6.5	3.74	10.24	9.3		tp	0.52	9.82			
3	6.7	3.73	10.43	tp		tp					
4	7.1	3.70	10.80								
5	7.7	3.70	11.40								
6	7.9	3.70	11.60								
7	8.0	3.70	11.70								
8	8.7	3.70	12.40								
9	8.9	3.72	12.62								
10	8.9	3.72	12.62								
10a	9.3	3.77	13.07								
11	9.3	3.77	13.07								
12	9.5	3.79	13.29			var					

B Series 465

Copied 35:70

DeV

Dec 10, 1917

B49954 Date 17 v − 16.5

alt. corr + .07

	Sc 2			g	h			pc		
1	4.1	3.85	7.95	7.1	tp	0.74	7.84	8.9	-1.05	7.85
2	5.3	3.80	9.10	elong	elong	.	.	9.8	-1.10	8.70
3	5.7	3.77	9.47	8.7	elong	0.50	9.20			
4	5.9	3.76	9.66	9.0 8.95	01 8.9	0.50	9.45			
5	6.2	3.74	9.94	9.1 9.10	00 9.1	0.50	9.60			
6	6.4	3.74	10.14	tp	tp		.			
7	6.7	3.72	10.42							
8	7.0	3.70	10.70							
9	7.2	3.70	10.90							
10	7.5	3.70	11.20							
11	7.8	3.70	11.50							
12	7.5	3.70	11.20							
13	7.90 4 7.8 8.0	3.70	11.60							
14	8.1	3.69	11.79							
15	8.3	3.69	11.99							
16	8.5	3.69	12.19							
17	9.3	3.76	13.06							
18	9.5	7 3.69	13.29							
19	9.8	3.85	13.65							

Sct

B Series 465

copied 35:22

Dec 10, 1917

B 4995 ~~4~~ 5 Dante 17 −2.5 Alt. corr +.05

	5c2			g	h			pc
1	4.4	3.84	8.24	7.5 7.60!	7.7	0.61	8.21	9.3 −1.08 8.22
2	5.8	3.76	9.56	9.0 9.05	9.1 .01	0.50	9.55	F
3	5.9	3.76	9.66	9.0 9.05	9.1 .01	0.50	9.55	
4	6.7 6.5 6.60!!	3.73	10.33	tp tp				
5	6.5 6.7 6.60!!	3.73	10.33					
6	7.1	3.70	10.80					
7	7.3	3.70	11.00					
8	7.3	3.70	11.00					
9	7.8	3.70	11.50					
10	7.9	3.70	11.60					
11	8.1	3.69	11.79					
12	8.3	3.69	11.99					
13	8.9	3.71	12.61					
14	8.9	3.71	12.61					
15	9.3 9.5 9.40!!	3.77	13.17					
16	9.1	3.74	12.84					
17	9.3	3.76	13.06					
18	9.8	3.86	13.66					
19	9.8	3.86	13.66					

B Series 465

DeV

Dec 10, 1917

6
B49955 Dg 17 +15

	Se2		g	p		pe	
1	B		tp	6.2	0.98	8.0	-0.82
2	B		tp	tp		8.1	-0.87
3	B		tp	tp		8.0	-0.96
3a	B		tp	tp		8.3 8.20 1:1 8.1	-0.85
4	B		tp	tp		8.9	-1.08
5	4.0	4.06	elong	elong		9.0	-0.94
6	4.7	3.77	7.9 7.90 00	7.9	0.57	9.5	-1.03
6a	4.9	3.74	8.2 8.25 01	8.3	0.39	9.8	-1.16
7	5.2	3.84	8.5 8.60 11	8.7	0.44		
8	5.7	3.83	9.0	tp	0.53		
8a	5.9	3.78	9.0 9.05 01	9.1	0.63		
9	6.3 scr	3.79	9.5	tp	0.59		
10	7.0 6.95 01 6.9	3.71					
11	6.9	3.60					
12	6.9	3.67					
13	7.1	3.62					
14	7.2	3.59					
~~14a~~	7.7						
15	7.9	3.23					
16	8.0	3.60					
17	8.0	3.83					
18	8.7	3.71					
20 ~~19~~	9.0	3.76					
19 ~~20~~	8.9	3.58					
21	9.3	3.76					
22	9.7	3.70					
23	9.7	4.04					
24	9.9	4.03					
25	f						
14a	8.0						

3,30

9ʰ.45

Dc V

B Series 467

Shelf no 90

Dec 12, 1917

B 49963 b5 9 ∘ +14.9

Sc1	Sc2		g	h		pc	
1	4.8	2.36	tp	tp		9.0	−1.84
2	5.3	2.72	tp	8.0	0.02	9.4	−1.38
3	4.7	3.32	7.8	tp	0.22	9.0	−0.98
4	5.3	2.90	tp	tp		9.5	−1.30
4a	5.5	2.87	tp	8.1	0.27	9.8	−1.43
5	5.8	3.14	8.6 · 8.75^{01}	8.7	0.19		
6	6.1	3.06	8.7	tp	0.46		
7	defective.		tp	tp			
8	6.3	3.25	9.0 9.00^{00}	9.0	0.55		
9	6.7	3.02	9.3	tp	0.42		
10	7.0	3.01	tp	tp			
11	6.9	3.02					
12	6.9	3.31					
12a	7.1						
13	7.2	3.26					
14	7.5	3.06					
14a	7.7	3.25					
15	8.0 7.8 7.90^{11}	3.26					
16	7.8	3.56					
17	8.1	3.65					
18	8.3	3.52					
19	8.5	3.55					
20	8.8	3.42					
20a	8.9	3.48					
21	9.1	3.59					
22	9.3 9.5 9.40^{14}	3.61					
23	9.5	3.69					
24	9.7	3.78					
25	9.9	4.19					

Plate fogged - images poor

B Series 467.

Copied B34:37

Dev

Dec 12, 1917.

B 49964 145 K 5 — 29.9 alt. corr -.1

	Sc2			g	h			PC 9.60''			
1	4.8	3.16	7,96	8,3	long	0,24	8,54	9.7	9.5	-1.37	8.23
2	5,5	3.20	8,70	9.0	tp	0.44	9.44				
3	6,1	3.23	9,33	tp	tp						
4	6,3	3.25	9,55								
5	6,5	3.27	9,77								
6	7,2	7.15 01 7.1 3.33	10,48								
7	7,5	3,37	10,87								
8	8,8	7.95 01 7.9 3.44	11,39								
9	8,0	3.44	11,44								
10	8,0	3.44	11,44								
11	8,1	3.46	11.56 ~~12,06~~								
12	8,5	3.49	11,99								
13	8.7	3.52	12,22								
14	9.2	3.63	12,83								
15	9.8	3.93	13,73								

Images not circular

B Series 467

Copied B 44:98

Sq IV copied Bb 44:86

Dc 4

Dec 12, 1917

Alt. corr. -.39 3

B49965 Sc2 Lang. Mag. Cl. 21 15 9/8 h5 22-69.3

									pc		
Seq I.	a	B			tp	tp			7.5	1	
	b	tp			tp	tp			7.8	1	
	c	tp			tp	tp.			8.2	-1.01	7.19
	d	tp			tp	tp			8.9	-1.22	7.68
	f	4.9	3.17	8.07	tp	tp			9.0	-1.35	7.75
	g	4.9	3.17	8.07	tp	7.9	0.13	8.03	9.3	-1.82	7.98
	h'	5.7	3.21	8.91	tp	tp			f		
*Too near edge; reject Sq IV	h⁴	~~4.4~~ 4.8 4.60=2	3.14	7.74	tp	tp					
	k'	5.9	3.23	9.13	tp	tp					
*Too near edge; reject. Sq IV	k⁴	4.8	3.16	7.96	f						
	l	* ~~7~~ 6 .2	3.~~33~~ 25	~~10.53~~ 9.45							
*Too near edge; reject. Sq IV	l⁴	5.9	3.23	9.13							
	m	6.5	3.27	9.77							
	n	7.1	3.32	10.42							
	o	7.5 7.7 7.60=11	3.37	10.97							
	p	7.9	3.43	11.33							
	q	8.1	3.46	11.56							
	s	6.5	3.27	9.77 R	Reject. Some mistake made. wrong star marked						
	e	tp			tp	tp			8.9	-1.22	7.68

* Assume l wrong unit. Should be 6.2

* March 25, 1919.

Images poor Diffr images very poor

B Series 467

Copied B 34; 103

Se V

Dec 12, 1917

B 49965 cont.

Alt. corr − 3 3/8

		Se 2			g		h			Pe
21 Ks	1	6.4	3.26	9.66	9.0	9.05°	9.1	0.45	9.50	
	2	6.9	3.30	10.20	9.7		F			
	3	7.1	3.31	10.41						
	4	7.5	3.37	10.87						
	5	7.7	3.39	11.09						
	6	7.7	3.39	11.09						
	7	7.9	3.43	11.33						
	8	8.1	3.46	11.56						
	9	8.8	8.70'' 8.6 3.51	12.21						
	10	9.0	3.57	12.57						
	11	9.0	3.57	12.57						
	12	9.7	3.85	13.55						

B Series 467

Copied B 34:82

Sal

Dec 12, 1917

B 49966 190K 5 —60

Alt. corr. -2 8
6

			Sc 2			g	h			pc		
1	3.9 3.8	3.95 1.0	4.0	3.12	7.07	7.0	elong			8.5	-1.13	7.37
2			5.1	3.18	8.28	7.9	elong	0.13	8.03	9.7	-1.38	8.32
3			5.3	3.19	8.49	8.0	t p	0.15	8.15	9.9	-1.42	8.48
4			7.2	3.33	10.53	7						
5			7.3	3.34	10.64							
6			7.5	3.37	10.87							
7			7.5	3.37	10.87							
8			8.1 8.00½ 7.9	3.43	11.43							
9			8.3	3.47	11.77							
10			8.5	3.50	12.00							
11			8.7	3.51	12.21							
12			8.9	3.57	12.47							
13			8.9	3.57	12.47							
14			9.0	3.58	12.58							
15			9.7	3.82	13.52							

B Series 467

Copied B 34:38

Sc V

Dec 12, 1917

B 49967 146 K 6 — 30 Alt. corr – 0? ?

	Sec z			g	h			Pc
1	5.0	3.17	8.17	8.1	elong	0.17	8.27	7
2	5.7	3.21	8.91	9.0 8.95	01 8.9	0.42	9.37	
3	6.1	3.23	9.33	tp	tp			
4	6.7 6.60 12 6.5	3.27	9.87	98	tp			
5	7.1	3.31	10.41					
6	7.3	3.34	10.64					
7	7.5	3.37	10.87					
8	7.5	3.37	10.87					
9	7.8	3.41	11.21					
10	8.1	3.46	11.56					
11	8.5	3.50	12.00					
12	8.8	3.55	12.35					
13	9.0	3.57	12.57					
14	9.3	3.65	12.95					
15	9.8	3.92	13.72					

B Series 467

DeV

Dec 12, 1917

B49968 DS 9 0 +149

	Sc 2		g	h		PC 8.35 3'	
1	3.95 01 4.0 3.9	3.21	tp	tp		8.2 85	-1.19
2	4.7	3.3 2	tp	tp		9.0	- 0.98
4 ~~2~~	4.90 11 5.0 4.8	3.30	tp	tp		9.2	- 1.00
3 ~~4~~	4.0	4.02	tp	tp		9.0	- 0.98
4a	5.0	3.37	8.0	tp	0.37	9.8	- 1.43
5	5.5	3.44	8.3	elong	0.64		
6	5.9	3.26	8.7	tp	0.46		
7	5.7	3.49	9.0	tp	0.19		
8	6.0	3.55	elong	elong			
9	6.3	3.42					
10	6.5	3.51					
11	6.7	3.22					
12	6.9	3.31					
12a	6.9						
13	7.0	3.46					
14	7.3	3.26					
14a	7.46 7.3 7.5	3.56					
15	7.7	3.46					
16	7.7	3.66					
17	8.0	3.75					
18	8.1	3.72					
19	8.3	3.75					
20	8.5	3.72					
20a	8.9	3.48					
21	9.0	3.69					
22	9.3	3.71					
23	9.5	3.69					
24	9.7	3.78					
25	f						

All diff images elongated
not comp with scale

1.2
9.15

B Series 467

11-55

ScV

Shot no 90

Dec 13, 1917

B 49968 D5.

Sc1	Sc2		g	h		pc	
1	3.9	3.26	tp	tp		8.3	-1.14
2	4.5	3.52	tp	7.3	0.72	9.0	-0.98
3	4.0	4.02	tp	tp		9.0	-0.98
4	4.7	3.50	7.7	tp	0.50	9.3	-1.10
4a	49	3.47	tp	tp		9.8	-1.43
5	5.5	3.44	8 3	tp	0.64		
6	5.7	3.46	8.7	tp	0.46		
7	5.5	3.69	90	tp	0.19		
8	6.1	3.45	95	tp	0.05		
9	6.2	3.52					
10	67	3.31					
11	6.5	3.42					
12	6.9	3.31					
13	6.9	3.56					
14	7.1	3.46					
14 a	7.5	3.45					
15	7.5	3.66					
16	7.5	3.86					
17	8.0	3.75					
18	8.1	3.72					
19	8.3	3.75					
20	8.3	3.92					
20a	8.7	3.68					
21	8.9	3.79					
22	9.3	3.71					
23	9.7	3.49					
24	99	3.58					
25	7						

B Series 467

Copied B27:124

DeV

Dec 13, 1917

B 49969 ε 4 9 20 – 45 • Alt. corr +.01²

	Sc 2	g	h	pc
1	5.3	3.47	8.77	
2	5.1	3.49	8.59	
3	6.1	3.49	9.59	
4	5.1	3.49	8.59	
5	6.5	3.50	10.00	
6	5.20 1/1 5.1 5.3	3.49	8.69	
7	5.9	3.48	9.38	
8	6.1	3.49	9.59	
9	7.1	3.57	10.67	
10	7.3	3.62	10.92	
11	7.3	3.62	10.92	
12	8.1	3.76	11.86	
13	7.9	3.74	11.64	
14	7.7	3.70	11.40	
15	8.60 1/1 8.7 8.5	3.78	12.38	
16	8.0	3.76	11.76	
17	8.8	3.78	12.58	
18	8.9	3.77	12.67	
19	9.8	3.62	13.42	
20	Ser?			
21	n.s.			

Very poor images – Very discordant

B Series 467

Copied 1345:196

DeV

Dec 13, 1917

Alt. corr –9 $\overset{2}{\$}$

B 49970 Pole

	Sc1	Sc2			g	h			pg			
a		B			5.7	elong	1.27	6.97 ~~4.43~~	7.5	7.40'' 7.3	-0.56	6.84
b		B			tp	tp			7.7	7.75±0 7.8	-0.68	7.07
c		3.9	3.66	7.56	6.5	tp	1.00	7.50	8.1		-0.79	7.31
d		4.2	3.58	7.78	7.1	tp	0.84	7.94	8.7		-0.98	7.72
e		4.1	3.61	7.71	tp	tp			8.5	?	-0.93	7.57
e'		4.7	3.52	8.22	7.7	tp	0.67	8.37	9.3		-1.15	8.15
f		5.0	3.49	8.49	tp	tp			9.1		-1.10	8.00
g		5.2	3.47	8.67	tp	tp			9.7		-1.25	8.45
h		5.4	3.47	8.87	8.5	tp	0.46	8.96				
k		6.1	3.49	9.59	tp	tp						
l		6.2	3.49	9.69	9.1	tp	0.33	9.43				
l'		6.3	3.50	9.80	tp	tp						
m		6.40'' 6.5 6.3	3.50	9.90	tp	tp						
n		6.5	3.50	10.00								
n'		6.7	3.53	10.23								
o		6.9	3.54	10.44								
p		7.40'' 7.5 7.3	3.64	11.04								
q		7.5	3.65	11.15								
r		7.5	3.65	11.15								
s		7.90'' 8.0 7.8	3.73	11.63								
t		7.8	3.72	11.52								
w		8.3	3.77	12.07								
x		9.60'' 9.5 9.7	3.67	13.27								

B Series 467

Sc V

Dec 13, 1917

Copied 35:16

B 49971 Dark 11 o - 2.6

Alt. corr $+.0\overset{6}{5}$

Sc1	Sc2				g		h			PC		
1	B		·	·	6.7		tp	0.95	7.65	8.1	-0.79	7.31
2	B		·	·	7.5		tp	0.73	8.23	8.9	-1.04	7.86
3	4.0		3.63	7.63	8.1		tp	0.58	8.68	9.8	-1.28	8.52
4	4.2		3.59	7.79	8.5	8.50°°	8.5	0.46	8.96	F		
5	4.9	4.85-10 4.8	3.50	8.35	8.9	8.90°°	8.9	0.37	9.27			
6	5.0		3.49	8.49	9.1		tp	0.32	9.42			
7	5.2		3.48	8.68	9.3	9.30°°	9.3	0.29	9.59			
8	7.5	7.40± 7.3	3.63	11.03								
9	6.9		3.55	10.45.								
10	7.2		3.60	10.80								
11	7.7		3.70	11.40								
12	7.8		3.72	11.52								
13	8.9		3.78	12.68								
14	9.0		3.77	12.77								
15	9.5	9.60± 9.7	3.67	13.27								

Images poor 1:45

B Series 467

Copied B34:43

δ C V
2:30

Dec 13, 1917

B49972 Date - 11 u - 31 Alt. corr + ag^{6}

		sec 2 151 K			g	h		p c	
151 K	1	B			tp	tp		9.3 - 1.15	8.15
	2	B			8.0 $^{8.05\pm1}$ 8.1	0.58	8.63	9.7 - 1.25	8.45
	3	4.7	3.51	8.21	9.1 $^{9.10}$ 9.1	0.32	9.42		
	4	5.7	3.47 ·	9.17	F				
	5	5.9	3.48	9.38					
	6	6.9	3.56	10.46					
	7	7.2	3.60	10.80					
	8	7.5	3.65	11.15					
	9	7.9 $\overset{7.80\pm1}{7.7}$	3.71	11.51					
	10	8.1	3.76	11.86					
	11	8.3 $\overset{8.20\pm1}{8.1}$	3.77	11.97					
	12	8.8 $\overset{8.65-2\pm}{8.5}$	3.78	12.43					
	13	8.9	3.77	12.67					
	14	9.5 $\overset{9.60\pm1}{9.7}$	3.66	13.26					
	15	9.9? ft =	3.58	13.48					

Images poor

Over

B Series 467

Sc V

Dec 13, 1917

Copied 35:112

B 49972 (cont)

att. corr +.0$\overset{6}{5}$

		Sc1	Sc2			g	h			pc		
Carter	1		B	.	.	7.5	tp	0.74	8.24	8.9	-1.03	7.87
	2		B	.	.	7.5	tp	0.74	8.24	9.0	-1.07	7.93
	3		4.2	3.59	7.79	8.5	tp	0.47	8.97	F		
	4		5.0	3.49	8.49	9.0	tp	0.34	9.34			
	5		5.8	3.48	9.28	9.7	tp	0.20	9.90			
	6		6.1	3.49	9.59							
	7		7.1	3.59	10.69							
	8		7.1	3.59	10.69							
	9		7.8	3.72	11.52							
	10		7.7	3.70	11.40							
	11		8.0	3.75	11.75							
	12		8.20!! 8.1 8.3	3.77	11.97							
	13		8.9	3.77	12.67							
	14		9.5	3.70	13.20							
	15		F									

Images poor

B Series 467

Copied B34:43

Sct

Dec 13, 1917

Alt. corr. + 0.5 6

B49973 ✓ 151 K 11 y - 30

10 10 Sc 2 Carte

						g	p	PC		
151 K · · 1	4.0 3.9	4.10	4.20 4.1 4.3	3.61	7.71	elong	elong	9.3	-1.15	8.15
· · 2			4.40±1 4.3 4.5	3.56	7.96	elong	elong	9.8	-1.27	8.53
3			5.8	3.48	9.28	tp	tp			
4			6.0	3.48	9.48					
5			· · 6.2	3.49	9.69					
6			7.2	3.60	10.80					
7			7.40±1 7.3 7.5	3.64	11.04					
8			7.40±1 7.3 7.5	~~dif~~ 3.64	11.04					
9			7.60±1 7.5 7.7	3.67	11.27					
10			7.9	3.72	11.62					
11			8.00±1 8.1 7.9	3.75	11.75					
12			7.9	3.75	11.65					
13			8.5	3.78	12.28					
14			9.05±01 9.0 9.1	3.77	12.82					
15			9.8	3.62	13.42					

Diffs images elong —

Over

B Series 467

Sel

Dec 13, 1917

Copied 35!!112

B49973 (cont)

alt. corr $+.0\overset{6}{5}$

		Sc ≥			g	h			PC		
Carte	1	3.9	3.66	7.56	7.2	tp 0.80	8.00		9.0	-1.06	7.94
	2	4.1	3.60	7.70	7.3	tp 0.78	8.08		9.1	-1.10	8.00
	3	5.3	3.48	8.78	8.5	tp 0.46	8.96				
	4	5.7	3.48	9.18	87	tp 0.42	9.12				
	5	6.1	3.49	9.59	9.0	tp 0.84	9.84				
	6	6.4	3.50	9.90	tp	tp					
	7	6.9	3.55	10.45							
	8	7.0	3.56	10.56							
	9	7.5 7.3 7.40''	3.63	11.03							
	10	7.7 7.5 7.60''	3.67	11.27							
	11	7.9	3.73	11.63							
	12	8.0	3.75	11.75							
	13	8.1	3.76	11.86							
	14	8.9	3.77	12.67							
	15	9.3	3.74	13.04							
	16 0	9.8	3.61	13.41							

Images not circular

B Series 467

Sel Dec 13, 1917

B 49974 B 6

		g	h	
1	B	tp	tp	7.3 7.40±1 7.5 −0.64
2	B	tp	tp	7.7 7.60±1 7.5 −0.72
3	4.0 3.51	tp	6.7 0.81	8.3 8.40±1 8.5 −0.89
4	4.0 3.56 ~~4.0 4.2~~	6.5	tp 1.06	8.5 8.60±1 8.7 −1.04
5	~~4.9~~ 2.87	tp	tp	8.9 −1.13
6	4.8 4.65±1 4.5 3.56	tp	tp	9.2 −0.99
7	4.9 5.00±1 5.1 3.62	tp	tp	9.5 −0.88
8	5.0 3.51	7.7	tp 0.81	9.8 −1.29
9	5.2 3.39	8.1	8.05 10 8.0 0.54	9.8 −1.21
10	5.1 5.20±1 5.3 3.70	8.1	8.10 8.1 0.80	
10a	5.3 5.40±1 5.5 3.66	tp	tp	
11	5.8 5.65±1 5.5 3.76	8.5	tp 0.91	
12	5.9 3.44			
13	6.1 3.59			
14	6.5 3.56			
14a	7.2			
15	6.7 3.36			
16	6.9 3.62			
17	7.1 3.68			
18	7.3 3.81			
19	7.3 3.63			
20	7.3 7.40±1 7.5 3.71			
21	7.5 3.76			
22	7.5 4.04			
23	8.0 3.83			
24	8.3 3.86			Growing dark
25	8.5 3.43	26a 8.8		Diffu images poor
26	8.9 3.78	~~26b~~ 9.0		
27	9.0 4.12	26c 9.5?		
28	9.3 9.40±1 9.5 3.88			3 : 50
29	9.5 3.78			

Discordant

B Series 497

Sheet no 91

S. M

Dec 17, 1917

11 – 10 B 50312 b5 9 0 +14.9

	Sc a		Curve	magn	g	h	cu. magn	PG			cu magn
1	5.5	1.66	1.71 ~~3.10~~	7.21	tp	tp	.	9.1 9.20²¹ 9.3	–2.04	–1.68	7.52
2	6.3	1.72	1.93 ~~3.20~~	8.23	tp	8.7	.	9.7	–1.68	–1.60	8.10
3	tp		.	9	tp	tp	.	9.5	–1.48	–1.63	7.87
4	6.3	1.90	1.93 ~~3.20~~	8.23	tp	tp	.	9.8	–1.60	–1.58	8.22
4a	6.3	2.07	~~3.20~~ 1.93	8.23							
5	6.8	2.14	~~3.25~~ 2.07	8.87	tp	tp	.				
6	7.0	2.16	2.13 ~~3.30~~	9.13	9.7	tp	–0.54 .				
7	7.1	2.09	2.17 ~~3.31~~	9.27	9.7	tp	–0.51 .				
8	7.3	2.25	2.23 ~~3.35~~	9.53							
9	7.5	2.22	2.32 ~~3.40~~	9.82							
10	7.5	2.51	2.32 ~~3.40~~	9.82							
11	7.7	2.22	2.37 ~~3.44~~	10.07							
12	7.8	2.41	2.40 ~~3.49~~	10.20							
12a	7.9	——	2.45	10.35							
13	8.0	2.46	~~3.52~~ 2.49	10.49							
14	8.0 8.20¹¹	2.56	2.49 ~~3.54~~	10.49							
14a	8.1	8.3 2.75	~~3.61~~ 2.55	10.75							
15	8.5	2.66	~~3.72~~ 2.68	11.18							
16	8.7	2.66	~~3.29~~ 2.75	11.45							
17	8.9	2.85	2.84 ~~3.86~~	11.74							
18	8.9	2.92	2.84 ~~3.86~~	11.74							
19	9.1	2.95	2.92 ~~3.93~~	12.02							
20	9.1	9.20¹¹ 3.12 3.18	2.92 ~~3.93~~	12.02							
20a	9.1	9.3	2.97	12.17							
21	9.7	2.99	3.17	12.87							
22	9.8	3.21	3.20	13.00							
23	9.9	3.29	3.25	13.15							
24											
25											
26											
27											
28											
29											

Diff images from - long

All images from

Copied BK35

Adopt

~~No correction for~~
~~alt. of [illegible]~~

alt. -.04

S.C.M.

B Series 497

Dec 17, 1917

See Plot 168

B 50313 Carter 7 1 – 2.5

alt. corr – .05

–.04 from B 50314, 50315

Curve 123K, 8h -23°5	Magn.		Sc 2	Curve 50312	12 50373			g.	PC	23 50312	12 50373			
e	e	1	4.0	e	e	e	e	7.1 p 7.05 ^{10h} 7a. ..	8.1		-118	·	6.92	·
e	e	2	4.3	e	e	e	e	7.5 tp.	8.5	8h60±1' 8.7	-116	·	7.50	·
3.28	7.98	3	4.7	e	e	e	e	elong elong	9.0		-104	·	7.96	·
3.37	8.87	4	5.5	3.16	1.71	8.60	7.21		9.8		-087	-159	8.93	7.21
3.40	9.27	5	5.8	3.13	1.80	8.93	7.60							
3.45	10.65	6	7.2	3.32	2.20	10.42 ~~9.40~~	9.40							
3.47	10.97	7	7.5	3.39	2.32	10.89 ~~9.82~~	9.82							
3.48	11.18	8	7.7	3.44	2.38	11.14 ~~10.08~~	10.08							
3.49	11.79	9	8.3	3.64	2.59	11.94	10.89							
3.50	12.00	10	8.5	3.72	2.67	12.22	11.17							
3.50	12.00	11	8.5	3.72	2.67	12.22	11.17							
3.51	12.31	12	8.8	3.82	2.80	12.62	11.60							
3.51	12.51	13	9.0	3.90	2.88	12.90	11.88							
3.52	12.82	14	9.3	4.03	3.00	13.33	12.30							
3.52	13.02	15	9.5	4.10	3.08	13.60	12.58							
3.52	13.22	16	9.7	4.17	3.17	13.87	12.87							
-		17	F											

	123k 8h -23°5		
1	8.1	~~1~~ -1.15	6.95
2	8.60	-1.18	7.42
3	9.0	-1.19	7.81
4	9.8	-1.25	8.55

All diff images elong – not comp with sc

C Regina discordant. Reduced separately above, but neither curve gives accordant results.

Adopted magnitudes depend on Plates 50314, 50315, for 123 K + Carte Reg.
No correction for altitude required.

B Series 497

Dcm

Dec 17, 1917

B50314 123 K 7 16-15 Alt. corr. −.03

	Sc 2	cu35 50312	50323	g	h	PC 50312	50323
1	5.1	e	e	tp	tp	9.5 −1.63	−0.93
2	5.5	1.70	3.11	7.20	8.62	9.8 −1.69	−0.87
3	6.1	1.88	3.18	7.98	9.28		
4	7.1	2.17	3.31	9.27	10.41		
5	7.5	2.31	3.40	9.81	10.90		
6	7.7	2.38	3.44	10.08	11.14		
7	8.1	2.52	3.57	10.62	11.67		
8	8.40$^{1.1}$ 8.3 8 5	2.63	3.67	11.03	12.07		
9	8.3	2.61	3.65	10.91	11.95		
10	8.8	2.80	3.82	11.60	12.62		
11	9.2	2.96	3.98	12.16	13.18		
12	8.95$^{0.1}$ 9.0 8 9	2.86	3.88	11.81	12.83		
13	9.60$^{1.1}$ 9.5 9.7	3.12	4.13	12.72	13.76		
14	9.9	3.27	$\overset{e}{4.23}$	$\underline{13.17}$	$\underline{14.13}$		
15	F						

All diff images too poor

B Series 497

DeM Dec 17, 1917

B 50315 Darts 8 v − 23.5 Red. corr. +.01

	Sc2	g	h	PC
1	B	tp	tp	7.7
2	4.3	tp	tp	8.60 col 1 8.5 8.7
3	4.45$^{2-3}$ 4.2 4.7	tp	tp	9.0
4	5.10$^{1-1}$ 5.0 5.2	tp	tp	9.7
5	5.4	tp	tp	9.9
6	6.1			
7	6.25$^{2-1}$ 6.4 6.1			
8	6.5			
9	6.9			
10	7.5			
11	7.8			
12	8.2			
13	8.5			
14	8.7			
15	8.7			
16	8.9			
17	9.40$^{1-1}$ 9.3 9.5			
18	9.8			

Diff images too poor

B Series 497

Scm Dec 17, 1917 Copied BK 35

+.01 from B50314, 50315

B 50316 Date 8 h - 9.5 Alt. corr. .00

	Sc 2	Curv Plt 168		g	h	pc		
1	5.1	3.32	8.42	tp	tp	9.8	-1.26	8.54
2	5.3	3.34	8.64					
3	5.5	3.37	8.87					
4	6.0	3.40	9.40					
5	6.7	3.42	10.12					
6	7.7	3.47	11.17					
7	7.9	3.48	11.38					
8	8.7	3.50	12.20					
9	8.9	3.51	12.41					
10	9.0	3.51	12.51					
11	9.2	3.51	12.71					
12	9.5	3.52	13.02					
13	9.5	3.52	13.02					
14	9.8	3.52	13.32					

Poor plate - images too poor to be meas-

B Series 497

Copied BK 34

Dem Dec 17, 1917

B 50317 124 K 8 14 – 15

Ads. corr. 00 +.01 from B 50314, 50315

		Sc2	Cum	Plt 168	g	h	P F c
1		5.4	3.36	8.76	tp	tp	
2		7.1	3.4~~4~~ 3	10.53			
3		7.2	3.44	10.64			
4		5. 7.7	3.4~~7~~ 38	~~11.17~~ 9.08			
5		7.8	3.47	11.27			
6	W.S	~~8.3~~ 7.5	3.46 2	10.96			
7		8.1	3.48	11.58			
8		8.5	3.50	12.08			
9	W.S	~~7.7~~ 9.0	3.50	12.50			
10		9.0	3.50	12.50			
11		9.3	3.51	12.81			
12		9.7	3.52	13.22			
13		9.8	3.52	13.32			
14		9.8	3.52	13.32			
15		F	.				

Unit for Plate of Sensitivity wrong. H.S.L. Dec. 3, 1918.

Very poor plate – images large & hazy

B Series 497

~~Shut~~ no 91

ScM

Dec 17, 1917

B 50318 b6 Too poor

B 50323 b6

		curve magn.	l				curve magn.
1	B	.	tp	tp	8.0	−1,24	−1.29
2	tp	.	tp	tp	7.9	−1,02	−1.30
3	B	.	tp	tp	8.9	−1.39	−1.12
4	5.1 2,46	2.94			8.9	−1,34	−1.12
5	tp	.			8.9	−1.13	−1.12
6	5.3 2,91	2.98			9.1	−0.89	−1.07
7	tp	.			9.7	−1.08	−0.90
8	5.3 3.21	2.98			9.3	−0,79	−1.01
9	5.7 2,89	3.04			9.5	−0.91	−0.96
10	5.7 3.20	3.04			9.7	−0.80	−0.90
10a	5.9 3,16	3.06			9.9	−0.84	−0.84
11	6.1 3.31	3.10					
12	6.1 3,24	3.10					
13	6.4 3.29	3.16					
14	6.7 3,36	3.22					
14a	7.5 ~~7.7~~	3.37					
15	6.8 3,26	3.34					
16	7.5 3.02	3.37					
17	7.5 3.28	3.37					
18	7.7 3,41	3.43					
19	7.7 3,23	3.43					
20	7.7 3.41	3.43					
21	7.8 8.0 3,36 7.90 21	3.47					
22	7.9 3,64	3.47					
23	81 3.73	3.53					

magn. curve							
3.64	24	3.66	8.5	28	9.3	3,98	3.91
					9.5	3,78	3.98
3.64	25	3.83	8.5	29	~~8.5~~	w.s	
				29a	9.7	3,87	4.04
3.76	26	3.78	8.9	30	9.7	4,17	4.04
3.80	26b		9.0				
3.80	27	4.12	9.0	31	f		
3.73	26a		8.8				

Diff images too poor

1 — 30

Discordant.

B Series 497

Shut no 91

Dec 19, 1917

Se M

9ʰ 20 B 503 ~~22~~ 12 b5 -

	Se 2		g	h	pc
1	5.7	1.46			9.0 −1.84
2	6.4	1.62			9.8 − 1.78
3	tp				9.5 −1.48
4	6.2	2.00			9.8 − 1.60
4a	6.5	1.87			
5	6.9	2.04			
6	7.1	2.06			
7	7.1	3.09			
8	7.3	2.25			
9	7.5	2.22			
10	7.7	2.31			
11	7.7	2.22			
12	8.0	2.21			
12a	7.9				
13	8.1	2.36			
14	8.3	2.26			
14a	8.3	2.65			
15	8.7	2.46			
16	8.7	2.66			
17	9.0	2.75			
18	9.1	2.72			
19	9.3	2.75			
20	9.3	2.92			
20a	9.3	3.08			
21	9.7	2.99			
22	9.8	3.21			
23	10.0	3.19	— Diff images too poor		
24	F				

B Series 497

ScM

Dec 19, 1917

B 50319   11 0 — 15   D 6   Alt. corr + .08

					g	h	pc
1			B		tp	tp	
2	4.~~1~~ 2 4.0	~~4.10~~ 00	4.1		tp	tp	8.5
3	4.~~7~~ 3 4.1	~~4.15~~ 01	4.1		7.1	tp	8.5
4	4.~~3~~ 4 4.2	~~4.30~~ 00	4.3		7.2	tp	8.7
5			4.7		7.7	tp	9.0
6			5.0		8.0	tp	9.3
7			5.0		7.9	tp	9.1
8			5.3		tp	tp	9.5
9			5.3		tp	8.3	9.5
10			5.5		elong	8.5	9.7
11			5.5		8.5	tp	9.8
12			5.8		8.7	elong	F
13			6.1		8.9	8.9	
14			6.0		9.0	tp	
15			6.1		9.2	tp	
16			6.3		9.5	9.60 11 9.7	
17			6.5 6.60 11 6.7		F		
18			7.3 7.20 11 7.1				
19			7.3				
20			7.5				
21			7.7				
22			7.8 7.90 11 8.0				
23			8.1				
24			8.1	29	9.0		
25			8.5	30	9.3		
26			8.5	31	9.5		
27			8.7	32	9.5		
28			8.7	33	9.7 ~~7.7~~ maybe wr ident		
				34	9.7		

B Series 497

DcM Dec 19, 1917

B 50320 Pole - Too poor

B 50321 Nova Velorum - 10 59 - 53.9 g h :kc

alt. corr − .02
Overexposure + 17
+ .15

	Scz	
a	5.1	
b	5.9	
c	6.9	
d	7.1	
e	7.3	
f	7.7	
g	8.0	
h	8.5	8.60±.1 8.7
k	8.7	
l	9.3	
m	F	
n		
o		
p		
q		
r		

Images very poor - not comp with scale -

B Series 497

Seth

Dec 19, 1917

B 50322 151 K Cart 11$^{0}_{g}$ – 31$^{0}_{h}$ Alt. corr +.06

			PC
151 K	1	5.4	9.60 11 9.7 9.5
	2	5.8	9.8
	3	6.1	F
	4	6.7	
	5	6.7	
	6	7.3	
	7	7.5	
	8	7.7	
	9	7.8	
	10	8.0	
	11	8.1	
	12	8.5	
	13	8.7	
	14	9.0	
	15	9.8	

Diff images along-

B Series 497

DeM

Dec 19, 1917

B 50322 Bart. 11 0 - 31 0

Alt. corr +.06

		Se 2	g	h	Pc
1		5.1			8.9
2	w.s	5.1 ~~4.2~~			9.0
3		6.0			F
4		6.1			
5		6.4			
6		7.00 11 7.1 6.9			
7		7.3			
8		7.3			
9		7.5			
10		8.0			
11		8.3			
12		8.3			
13		8.7			
14		9.0			
15		9.40 L' 9.3 9.5			
16		F			

Diff images too poor

B Series 497

SeM Dec 19, 1917

B 50323	b 6	11	+14.9			
						PC
1	B					8.0 −1.24
2	B					8.0 − 1.12
3	B					8.8 − 1.29
4	5.0	2.56				8.8 − 1.24
5	tp					9.0 − 1.23
6	5.3	2.91				9.1 − 0.89
7	5.4	3.22				9.5 9.7 −0.98 9,60±1'
8	5.5	3.01				9.5 − 0.99
9	5.7	2.89				9.5 − 0.91
10	5.8	3.10				9.8 − 0.90
10a	5.7	3.36				9.8 − 0.74
11	6.1	3.31				
12	6.2	3.14				
13	6.5	3.19				
14	6.9	3.16				
15	6.9	3.16				
14a	7.5					
16	7.3	3.22				
17	7.5	3.28				
18	7.7	3.41				
19	7.5	3.43				
20	7.5	3.61				
21	7.9	3.36				
22	8.0	3.54	27	9.1	4.02	
23	8.1	3.73	28	9.4	3.88	
24	8.7	3.46	29	9.5	3.78	
25	8.7	3.63	30	9.7	4.17	
26	9.0	3.68	31	F		

Diff images two from

12 – 10

B Series 398

Shut no 92

copied B27:28

De V

Dec 20, 1917

11:50 B49273 D4 Isopan

Alt. corr + 07

B49274 D4. 7 U-15

	Sc2			g	h			Pc		
1	B			tp	tp			8.1	-1.03	7.07
2	4.3	3.77	8.07	tp	tp			8.8	-1.13	7.67
3	4.3	3.77	8.07	tp	tp			8.9	-1.14	7.76
4	4.7 $\overset{4.50\ 23}{4.3}$	3.76	8.26	7.5	tp	0.36	7.86	9.1	-1.16	7.94
5	4.7	3.75	8.45	7.7	tp	0.38	8.68	9.3	-1.18	8.12
6	4.9	3.74	8.64	8.0	tp	0.41	8.41	9.7	-1.23	$\overset{8.}{7}$47
7	5.1	3.73	8.83	8.3	tp	0.46	8.76	9.8	-1.24	$\overset{8}{7}$.56
8	5.2	3.72	8.92	tp	tp					
9	5.1	3.73	8.83	tp	tp					
10	5.3	3.71	9.01	8.5	tp	0.49	8.99			
11	5.7	3.70	9.40	tp	9.0	0.56	9.56			
12	6.0	3.69	9.69	9.3	tp	0.60	9.90			
13	6.1	3.68	9.78	9.3	tp	0.60	9.90			
14	6.5	3.68	10.18	9 tp	tp					
15	6.7 $\overset{6.60\ 11}{6.5}$	3.67	10.27							
16	6.5	3.68	10.18							
17	6.8 $\overset{6.75\ 01}{6.7}$	3.67	10.42							
18	6.5	3.68	10.18							
19	7.0	3.67	10.67							
20	7.3	3.68	10.$\overset{9}{2}$8							
21	7.5	3.68	11.18							
22	7.7	3.69	11.39							
23	7.9	3.69	11.59							
24	8.0	3.70	11.70							
25	8.1	3.70	11.80							
Cor L.H 26	8.5	3.70	$\overset{2}{11}$.20							
27	9.0 $\overset{8.95\ 01}{8.9}$	3.70	12.65							
28	9.0	3.70	12.70							
29	9.3	3.70	13.00							
30	9.8	3.70	12.50							

All diff images elongated

B Series 398

ScV

Dec 20, 1917

Copied B27:116

B 49275 E3 6 40-45 alt. corr +.01

	Sc2 Im	Sup		g	h			Pc		
1				tp	tp			8.1 8.3 (8.20±)	-1.05	7.15
2	4.3	3.77	8.07	tp	tp			8.5	-1.09	7.41
3	4.3	3.77	8.07	tp	tp			8.5	-1.09	7.41
4	4.5	3.76	8.26	tp	tp			8.8	-1.12	7.68
5	4.5	3.76	8.26	7.2	tp	0.33	7.53	8.9	-1.13	7.77
6	4.9	3.74	8.64					9.2	-1.17	8.03
7	5.0	3.73	8.73					9.3	-1.18	8.12
8	5.3	3.71	9.01					9.8	-1.24	8.56
9	5.5 5.7 (5.60±1)	3.70	9.30					9.9	-1.25	8.65
10	5.7	3.70	9.40							
11	6.0	3.69	9.69							
12	6.2	3.68	9.88							
13	6.2?	3.68 Poo. shape	9.88							
14	6.5	3.67	10.17							
15	6.4	3.68	10.08							
16	6.1	3.68	9.78							
17	6.9	3.67	10.57							
18	6.8	3.67	10.47							
19	7.5	3.68	11.18							
20	7.5	3.68	11.18							
21	7.2	3.67	10.87							
22	7.3	3.67	10.97							
23	7.9	3.69	11.59							
24	8.3	3.69	11.99	30 9.3	3.70	13.00				
25	8.1 8.2 (8.15±0)	3.69	11.84	31 9.8	3.70	13.50				
27	8.8 8.7 (8.75±1)	3.69	12.44	32 F						
26	8.5	3.69	12.19							
28	9.0	3.70	12.70							
29	9.1	3.70	12.80							

Diffr images along tp.

B Series 398

Copied B34:83

Set

Dec 20, 1917

B 49276 191 K 7 23-60 Alt. corr. -.09

	Sec z			g	h			pe
1	5.8	3.69	9.49	8.5 ?	tp	0.49	8.99?	2.5
2	6.1	3.68	9.78	8.9	tp	0.54	9.44	
3	6.4	3.68	10.08	tp	9.3	0.60	9.90	
4	6.7	3.67	10.37					
5	7.0	3.67	10.67					
6	7.5	3.68	11.18					
7	7.7	3.69	11.39					
8	7.95 .01 8.6 7.9	3.69	1 4 12.69					
9	8.0	3.69	11.69					
10	8.1	3.70	11.80					
11	8.7	3.70	12.40					
12	9.0	3.70	12.70					
13	9.5	3.70	13.20					
14	9.7	3.70	13.40					
15	9.8	3.70	13.50					

1:15

B Series 398

Copied B34;68

SeV

Dec 20, 1917

2 ; w B 49277 171 K 7 37-45

alt. corr +.01

	Sc 2			g	n	PG
1	4.7	3.75	8.45			9.60±1 9.5 9.7 -1.21 8.39
2	5.1	3.71	8.81			
3	5.7	3.70	9.40			
4	6.7	3.67	10.37			
5	7.0	3.67	10.67			
6	7.5	3.68	11.18			
7	7.8	3.69	11.49			
8	8.1	3.70	11.80			
9	8.5	3.70	12.20			
10	9.0	3.70	12.70			
11	9.1	3.70	12.80			
12	9.3	3.70	13.00			
13	9.60±1 9.5 9.7	3.70	13.30			
14	~~4~~ ~~9.9~~					
~~15~~	7					

Images from diff in long.

B Series 398

Copied Bk 52:28

Sec 4

Dec 20, 1917

B 49278 D 4

		Sec z		cu.	magn.	g	h		cu.	magn.	P C		cu.	magn.
	1	B		.	B	tp	tp		.	q	7.7	−0,99	−0.97	6.73
	2	B		.	B	tp	6.9	0,31	0.32	7.22	8.1	W.S? −0,89	−1.03	7.07
	3	B		.	B	tp	7.1	0,22	0.33	7.43	8.3	−0.98	−1.06	7.24
	4	4.0	3.74	3.80	7.80	elong	elong		. w.s		9.0 ~~8.9~~	−1.26	−1.15	7.85
	4a	4.2	3.75	3.77	7.97	elong	elong				9.5	−1.55	−1.20	8.30
	5	4.7	3.71	3.74	8.44	tp	7.9	0,51	0.40 ~~[illegible]~~	8.30	Sup		.	q
omit	~~6~~	~~4.7~~				tp	tp		.	q	?		.	?
	7	5.0	3.74	3.72	8.72	8 1 8.10	$\overset{00}{8.1}$	0,64	0.43	8.53	9.8	−1.06	−1.23	8.57
	8	5.1	3.77	3.72	8.82	tp	tp		.	q				
	9	5.8	3.54	3.69	9.49	9 0 9.00	$\overset{00}{9.0}$	0,34	0.55	9.55				
	9a	5.9	3.72	3.69	9.59	9.0 9.00	9.0	0,62	0.55	9.55				
omit	~~10~~	~~6.3~~				F			.	7				
	11	6.3	3.65	3.68	9.98									
omit	~~12~~	~~6.5~~												
	13	6.5	3.69	3.68	10.18									
	14	8.5	3.62 ~~3.24~~	3.70	12.20									
omit	~~15~~	7.40±1 ~~7.5~~	7.3	~~3.67~~	~~11.07~~									
	16	7.3	3.80	3.67	10.97									
	17	7.8	3.70	3.69	11.49									
	18	7.9	4.03	3.69	11.59									
	14 ~~19~~	7.1	3.64	3.67	10.77									
	20	8.2	4.30	3.70	11.90									
omit	~~21~~	~~8.3~~				21 ~~a~~ b 9.8								
	21 a	8.5	.	3.70	12.20									
	22	9.0	3.78	3.70	~~21a~~ 12.70									
	23	9.40±1 9.3 9.5	3.60	3.70	13.10									
	24	9.9	3.67	3.70	13.60									
	~~25~~	F		.	7									
	~~25 a~~	F		.	7									
	26													
	27													
	28													

Light-poor

2:20

12 – 15

ScV

B Ser 398

Jan 8, 1918

B 49278 D4

	Sc1	Sc2			cu. magn.	g	h			cu. magn	Pc			cu. magn.
	1	B		.	B						7.7	−0.99	−0.90	6.80
	2	B		.	B						8.2	−0.99	−1.06	7.14
	3	B		.	B						8.5	−1.18	−1.15	7.35
	4	4.1	3.64	3.68	7.78						9.0	−1.26	−1.26	7.74
	4a	4.3	3.65	3.66	7.96						9.3	−1.35	−1.35	7.95
	5	4.7	3.71	3.66	8.36									
omit	~~6~~	~~4.9~~		.	.									
	7	5.2	3.54	3.64	8.84									
	8	5.2	3.67	3.64	8.84									
	9	5.9	3.44	3.62	9.52	9.0	9.05 01 9.1	0.29	0.39	9.44				
	9a	6.0	3.62	3.62	9.62	9.1	9.10 00 9.1	0.52	0.37	9.47				
omit	~~10~~	~~6.5~~			.	9.8	9.75 91 9.7	0.16	0.20	9.95				
	11	6.5	3.45	3.62	10.12									
omit	~~12~~	~~6.7~~ 65												
	13	6.7	3.49	3.62	10.32									
	14	7.1	3.64	3.63	10.73									
omit	~~15~~	~~7.5~~		.	.									
	16	7.5	3.60	3.65	11.15									
	17	7.7	3.80	3.66	11.36									
	18	7.9	4.03	3.67	11.57									
	19	8.7	3.42	3.73	12.43									
	20	9.1	3.40	3.76	12.86									
omit	~~21~~	~~9.3~~												
	21a	8.5		3.72										
	21b	9.8		3.82	13.62									
	22	9.20 11 9.3 9.1	3.58	3.81										
	23	9.1	3.90	3.76	12.86									
	24	9.8	3.77	3.82	13.62									
	~~25~~	~~F~~		~~f~~	~~f~~									

Diff images long

B Series 398

Copied B 34:40

Sc V

Jan 8, 1918

alt. corr + .05

B 49279 148 K 7 59 – 30.2

g h

P.C

	Sc 2			
1	5.1	3.65	8.75	tp tp
2	5.4	3.64	9.04	elong elong
3	6.0	3.62	9.62	9.5 9.50 9.5 +0.27 ~~-1.38~~ ~~8.12~~ 9.77
4	6.9	3.63	10.53	F
5	7.3	3.64	10.94	
6	7.3	3.64	10.94	
7	7.8	3.67	11.47	
8	8.0	3.68	11.68	
9	8.2	3.70	11.90	
10	8.5	3.71	12.21	
11	8.9	3.75	12.65	
12	9.3	3.77	13.07	
13	9.8 9.50 9.8	3.82	13.62	
~~14~~				

B Ser 398

Copied B34:106

ScV

Jan 8, 1918

B 49280 27 Kd 8 22 – 40.5

Alt. corr +.03

Sc1	Sc2			g / 60	h / tp	pc		
1	4.0	3.68	7.68			7.7	-0.90	6.80
2	4.8	3.65	8.45			9.0	-1.26	7.74
3	5.1	3.64	8.74			9.65 12 9.5 9.8	-1.41	8.24
4	6.0	3.62	9.62					
5	6.7	3.61	10.31					
6	7.15 10 7.1 7.2	3.64	10.79					
7	7.3	3.65	10.95					
8	7.8	3.67	11.47					
9	8.0	3.68	11.68					
10	8.7	3.73	12.43					
11	9.0	3.76	12.76					
12	9.1	3.77	12.87					
13	9.5	3.79	13.29					
14	9.9?	3.83	13.73					

Images poor – not circular –

B Ser 398

Copied B34:94

DeV

Jan 8, 1918

B 49281 202K 8 29-75.1

	Ser 1	Ser 2			g	h
1		4.1	3.68	7.78	elong	elong
2		4.7	3.65	8.35		
3		5.7	3.63	9.33		
4		6.1	3.62	9.72		
5		6.8 6.7 6.75-01	3.62	10.37		
6		7.1	3.63	10.73		
7		7.7	3.67	11.37		
8		7.9	3.68	11.58		
9		8.1	3.69	11.79		
10		8.3	3.70	12.00		
11		8.7	3.73	12.43		
12		9.1	3.76	12.86		
13		9.8 9.7 9.75-01	3.81	13.56		

alt corr -.~~29~~ 31

PC

7.9	-0.96	6.94
8.7	-1.20	7.50
9.8	-1.44e	8.36e

Diff images elongated.
B 48282 - last plate in ser - too poor. Whole series poor -

1;30

9;35

DeV

B Series 397

Copied Bb52:20

Sheet no. 98

Jan 28, 1918

B 49261 C3

	Sc2			Cu. magn	g	h			Cu. magn	PC			Cu. magn
1 ~~2~~	B	.	.	B	6.0	tp	0.63	0.57	6.57	8.0	-1.37	-1.22	6.78
2	tp	.	.	q	tp	tp	.	.	q	8.1	scr -1.26	-1.25	6.85
3	tp	.	.	q	tp	tp	.	.	q	8.7	-1.48	-1.45	7.25
4	3.9	3.55	3.40	7.30	tp	tp	.	.	q	9.0	-1.55	-1.54	7.46
6	4.1	3.61	3.42	7.52	tp	tp	.	.	q	9.5	-1.79	-1.69	7.81
7	4.6	3.45	3.46	8.06	7.7	tp	0.35	0.33	8.03	9.9	-1.85	-1.77	8.13
8	4.9	3.33	3.46	8.36	8.0	tp	0.23	0.29	8.29	F			7
9b	5.2		3.47	8.67	8.4	tp		0.24	8.64				
10	5.3	3.39	3.47	8.77	8.4	tp	0.29	0.24	8.64				
11	5.5	3.55	3.47	8.97	8.9	tp	0.15	0.24	9.14				
13	5.8	3.63	3.48	9.28	F				7				
14	6.5	3.35	3.48	9.98									
15	6.9	3.24	3.48	10.38									
16	7.0	3.31	3.48	10.48									
19	7.2	3.48	3.48	10.68									
21	7.5	3.55	3.48	10.98									
22	7.6	3.60	3.47	11.07									
23	8.0	3.61	3.46	11.46									
24	8.3	3.52	3.44	11.74									
25~~a~~	8.5	3.38	3.42	11.92									
26	8.9	3.24	3.36	12.26									
26a	9.1	3.20	3.33	12.43									
27	9.5	3.28	3.28	12.78									
28	9.8	3.41	3.23	13.03									
29	F		.	7									

B Series 397

copied B27: 20

Sct

Jan 28, 1918

Alt. corr. +.07

B 49262 D3 5 0 – 15

	Sc 2			g	h			PC		
1	B			6.1	along	0.56	6.66	7.9	-1.20	6.70
2	tp			tp	tp			7.9	-1.20	6.70
3	tp			tp	tp			7.8	-1.17	6.63
4	B			6.9	tp	0.45	7.35	8.3	-1.31	6.99
5	4.0	3.41	7.41	7.0	tp	0.44	7.44	Sup		
6	tp			7.0	tp	0.44	7.44	8.4	-1.34	7.06
7	tp			tp	tp			8.8	-1.49	7.31
8	tp			tp	tp			9.0	-1.54	7.46
9	4.1	3.42	7.52	8.20±1 8.1	8.3	0.26	8.46	9.60±1 9.5 9.7	-1.72	7.88
10	4.3	3.43	7.73	8.15±0 8.1	8.2	0.27	8.42 w.s	9.1 ~~9.8~~	-1.57	~~7.53~~
10a	6.8	3.48	10.28							
11	4.8	3.46	8.26	8.60±1 8.5	8.7	0.24	8.84	F		
12	4.8	3.46	8.26	8.8	tp	0.23	9.03			
13	5.1	3.47	8.57	9.3	tp	0.23	9.53			
14	5.85±10 5.9 5.8	3.48	9.33							
15	6.0	3.48	9.48							
16	6.2	3.48	9.68							
17	6.7	3.48	10.18							
18	w.s ~~7.5~~ 7.1	3.49	10.59							
19	7.4	3.49	10.89							
20	7.7	3.48	11.18							
21	7.9	3.47	11.37							
22	9 8.0	3.34	12.34							
23	8.1	3.46	11.56							
24	8.60±1 8.5 8.7	3.40	12.60							
25	9.50±2 9.3 9.7	3.27	12.77							
26	9.75±0 9.7 9.8	3.24	12.99							
27	9.8	3.23	13.03							
28	F									
10b	5.1	3.47	8.57							

Star 10 pc
Reject reading.
Probably 9.8 (Crossed out)
was the correct reading
H. S. L. May 2, 1918

B Series 397

Copied B27:108

Sc V

Jan 28, 1918

B49263 Ɛ 2 + 0 – 45

Alt. corr. +.02

	Sc 2				g	ν			Pc		
1	tp				tp	tp			8.8	-1.48	7.32
2	4.9	$3.4\overset{7}{6}$	8,37		tp	tp			9.0	-1.55	7.45
3	4.8	3.46	8,26		7.3	tp	0.37	7.67	9.0	-1.55	7.45
4	4.8	3.46	8,26		7.2	tp	0.40	7.60	9.0	-1.55	7.45
5	4,9	3.47	8,37		7.5	tp	0.36	7,86	9.3	-1.64	7.66
6	4.9	3.47	8,37		7.7	tp	0.33	8,03	9.20 ±1 ~~9.5~~ 9.3	-1.60	7.60
7	5,1	3.47	8,57		tp	tp			9.7	-1.24	8.46
8	5,1	3.47	8.57		8.3	tp	0.26	8.56			
9	5.3	3.48	8.78		8.1	tp	0.27	8,37			
10	5.2	3.48	8,68		tp	tp					
11	5.3	3.48	8.78		8.1	tp	0.27	8.37			
12	5.5	3.48	8,98		8.3	tp	0.26	8.56			
13	5.5	3.48	8,98		Sup						
14	5.8	3.48	9.28								
15	6.1	3.48	9,58								
16	6.1	3.48	9,58								
17	6.3	3.49	9,79								
18	6.3	3.49	9,79								
19	6.5	3.48	9,98								
20	6.7	3.48	10,18								
21	7.1	3.48	10,58								
22	7.2	3.48	10,68								
23	7.3	3.48	10.78 ~~11,18~~								
24	7.5	3.48	10,98	30	8.2	8,35 21 8.5	3.43	11,78			
25	7.7	3.48	11,18	31	8.7	3.38		12,08			
26	7.8	3.47	11,27	32	9.0	3.34		12.34			
27	8.0	3.46	11,46	33	9.1	3.34		12.44			
28	8.1	3.46	11,56	34	9.5	3.27		12.77			
29	8.2	3.45	11.65	35	7						

Images from

B Series 397

Copied B27:174

Dc V

Jan 28, 1918

B49264 Sf1 4 – 75

alt. corr.: –.30

	Sc 2			g				h	Pc		
1	4.1	3.42	7.52						8.3	–1.30	7.00
2	tp								8.8	–1.47	7.33
3	B tp								8.9	–1.50	7.40
4	4.3	3.44	7.74						8.9	–1.50	7.40
5	4.3	3.44	7.74						9.0	–1.55	7.45
6	5 4.60±.1 ~~4.9~~ 4.7	3.46	8.06						9.0	–1.55	7.45
7	4.3	3.44	7.74						9.3	?–1.64	7.66?
8	5.2	3.47	8.67								
9	5.2	3.47	8.67								
10	5.4	3.48	8.88								
11	5.6	3.48	9.08								
12	6.20±.1 6.1 6.3	3.48	9.68								
13	6.1	3.48	9.58								
14	5.85±10 5.9 5.8	3.48	9.33								
15	6.3	3.49	9.79								
16	6.1	3.48	9.58								
17	6.80±.1 6.9 6.7	3.48	10.28								
18	7.1	3.48	10.58								
19	7.1	3.48	10.58								
20	7.2	3.48	10.68								
21	7.5	3.48	10.98								
22	7.3	3.48	10.78								
23	7.9	3.47	11.37								
24	7.9	3.47	11.37	30	9.3	3.30	12.60				
25	8.0	3.46	11.46	31	9.3	3.30	12.60				
26	8.3	3.44	11.74	32	9.8	3.23	13.03				
27	8.1	3.46	11.56	33	9.8	3.23	13.03				
28	8.7	3.38	12.08	34	f						
29	9.0	3.35	12.35								

Diff images too poor

B Series 397

Copied B27:20

SeV

Jan 28, 1918

B 49265 D3

alt. corr. +.08

				g	h			p	c		
1	Sc 2 B			6.0	tp	0.57	6.57	7.9	-1.20	6.70	
2	tp			tp	tp			7.9	-1.20	6.70	
3	tp			tp	tp			7.9	-1.20	6.70	
4	B			6.9		0.46	7.36	8.3	-1.30	7.00	
5	tp			tp	tp			8.9	-1.50	~~6~~ 7.40	
6	tp			tp	tp			8.8 8.65 21 8.5	-1.42	7.23	
7	tp			tp	tp			9.3	-1.64	7.66	
8	4.0	3.40	7.40	tp	tp			9.1 9.20 21 9.3	-1.60	7.60	
9	4.9 4.60 33	~~4.3~~ 3.46	8.06	8.1	tp	0.27	8.37				
10	5.00 11 5.1	4.9 3.47	8.47	8.1	tp	0.27	8.37				
10a	7.0	3.48	10.48								
11	5.3	3.47	8.77	8.3	tp	0.26	8.56				
12	5.3	3.47	8.77	8.7	8.60 11 8.5	0.24	8.84				
13	5.5	3.48	8.98	9.0	9.05 01 9.1	0.23	9.28				
14	6.1	3.48	9.58								
15	6.3	3.49	9.79								
16	6.5	3.48	9.98								
17	6.7	3.48	10.18								
18	7.0	3.48	10.48								
19	7.3	3.48	10.78								
20	7.7	3.48	11.18								
21	7.8	3.47	11.27								
22	8.9	3.37	12.27								
23	8.0	3.46	11.46								
24	8.5	3.41	~~8~~ 11.91	30							
25	9.5	3.27	12.77	31							
26	9.3	3.31	12.61	32							
27	9.7	3.26	12.96	33							
28	9.8	3.13	13.03								
29	f										

B Series 397

DeV

Jan 28, 1918

B49266 b 3

	Sc2		g	h		pc	
1	B		6.1	tp	0.53	8.0	-1.37
2	4.0	2.94	tp	tp		8.0	-1.06
3	4.0	3.22	tp	tp		8.8	-1.58
4	3.9	3.55	7.1	tp	0.35	9.0	-1.55
6	4.1	3.61	7.3	tp	0.41	9.3	-1.59
7	4.7	3.35	7.7	tp	0.35	9.60 9.5 9.7	-1.55
8	4.9	3.33	7.9	tp	0.33		
9+	5.2		8.1	tp			
10	5.2	3.49	8.5	tp	0.19		
11	5.3	3.75	8.7	tp	0.35		
13	5.9	3.53	9.3		0.13		
14	6.35 6.2 6.5	3.50	f				
15	6.8	3.34					
16	7.1	3.21					
19	7.3	3.38					
21	7.5	3.55					
22	7.5	3.70					
23	8.1	3.51					
24	8.5	3.32					
26	8.8	3.34					
26a	9.0	3.30					
27	9.5	3.28					
28	9.8	3.41					
29	f						

10 —
S.V

B Series 397

Sheet no. 98

Jan 30, 1918

B 49266 b3

	Sc 2		g	h		pc	
1	B	.	6.3	tp	0.33	8.1	-1.47
2	tp	.	tp	tp	.	8.2	-1.26
3	4.0	3.22	6.9	tp	0.32	8.7	-1.48
4	4.0	3.45	7.1	tp	0.35	9.0	-1.55
6	4.2	3.51	7.3	tp	0.41	9.3	-1.59
7	4.7	3.35	7.7	tp	0.35	9.8	-1.75
8	4.9	3.33	8.0	tp	0.23		
9b	5.3		tp	tp	.		
10	5.2	3.49	8.7	tp	-0.01		
11	5.5	3.55	9.0	tp	0.05		
13	6.0	3.43	9.7	tp	-0.27		
14	6.3	3.55	F				
15	6.7	3.44					
16	7.0	3.31					
19	7.3	3.38					
21	7.5	3.55					
22	7.5	3.70					
23	8.2	3.41					
24	8.5	3.32					
26	8.8	3.34					
26a	8.9	3.40					
27	9.7	3.08					
28	9.9	3.31					
29	F						

B Series 397

Copied 35:154.

Del

Jan 30, 1918

B 49267 Dart 5 0 – 51.5

Alt. corr. –.01

	Sec z				g				PC		
1	5.3		3.22	8.52	8.1 $^{8.10\,0\,0\,h}$	8.1	0.21	8.31	9.9	-1.49	8.41
2	5.8		3.29	9.09	8.7 $^{8.70\,0\,0}$	8.7	0.06	8.76			
3	6.1		3.33	9.43	9.0 $^{9.05\,0\,1}$	9.1	-0.02	9.03			
4	6.3		3.36	9.66	tp	tp	g	g.			
5	7.1 $^{7.15\,1\,0}$	7.2	3.48	10.63							
6	7.3		3.50	10.80							
7	7.7 $^{7.60\,1\,1}$	7.5	3.51	11.11							
8	7.5		3.50	11.00							
9	7.8		3.51	11.31							
10	8.2		3.50	11.70							
11	8.8 $^{8.90\,1\,1}$	9.0	3.45	12.35							
12	9.9		3.38	13.28							
13	n.s			n.s.							
~~14~~											

B Series 397

Copied 35:10

Dc Y

Jan 30, 1918

B+9268 Carte 5 0 - 25′

Alt. corr. +.06

	Sc 2			q	h			PC		
1	5.9	3.30	9.20							
2	6.5 6.40 1/2 6.3	3.37	9.77							
3	7 ~~6.5~~	3.~~39~~ 48	~~9.89~~ 10.98							
4	7.9	3.52	11.42							
5	8.7	3.47	12.17							
6	8.9	3.46	12.36							
7	9.5	3.41	12.91							
8	9.8	3.39	13.19							
9	n.s	.	.							
10	n.s	.	.							
11	n.s	.	.							
β	5.8	3.29	9.09	9.0	9.00 00 9.0	-0.01	8.99			
α γ	4.6	3.11	7.71	7.5	tp	0.31	7.81	8.9	-1.48	7.42

Star 3 examined by H.S.L. Assume that reading was 7.5 instead of 6.5.

B Series 397

Sc V Jan 30, 1918 Copied 35:106

B 49269 145K 5 0 - 30.7 Alt corr. +06

		Sc 2	Corr		g	h			PC		
Cart. -	1	4.0	3.00	7.00	7.0	tp	0.38	7.38	90	-1.49	$7.\overset{5}{4}1$
	2	5.2	3.20	8.40	8.0	tp	0.23	8.23			
	3	5.4	3.24	8.64	8.5	tp	0.12	8.62			
	4	6.1	3.34	9.44							
	5	6.5	3.39	9.89							
	6	7.0	3.46	10.46							
	7	7.3	3.49	10.79							
	8	7.5	3.50	11.00							
	9	8.0	3.51	11.51							
	10	8.2	3.50	11.70							
	11	8.5 $\overset{8.60:}{}$ 8.7	3.48	12.08							
	12	9.1	3.45	12.55							
	13	9.7 $\overset{9.60:}{}$ 9.5	3.40	13.00							

Copied 34:37

145K	1	5.7 $\overset{5.60:}{}$ 55	3.26	8.86	90	$\overset{8.95:}{8.9}$	0.00	8.95
	2	6.1	3.33	9.43	7			
	3	6.5 $\overset{6.60:}{}$ 6.7	3.40	10.00				
	4	7.0	3.46	10.46				
	5	7.1	3.47	10.57				
	6	7.4	3.50	10.90				
	7	7.7	3.51	11.21				
	8	8.3	3.50	11.80				
	9	8.5	3.48	11.98				
	10	8.7	3.46	12.16				
	11	8.8	3.46	12.26				
	12	9.3	3.43	12.73				
	13	9.5 $\overset{9.40:}{}$ 9.3	3.42	12.82				
	14	9.8	3.39	13.19				
	15	7						

Images on this plate not circular - rather poor -

B Series 397

Copied B44!!16a

ScV

Jan 30, 1918

B49270 T Pictoris 5 11 - 49,8

Alt. corr. -.01

	Sc2			g	h		pc		
a	4.1	3.03	7,13	elong	elong		9.0	-1.50	7.50
a'	4.9	3.16	8.06	7.9	tp 0.25	8.15	9.8	-1.50	8.30
b	5,4	3.24	8.64	tp	tp.				
c	6.3	3.37	9.67						
d	6.7	3.41	10.11						
d'	7.2	3.49	10,69						
e	7.5	3.50	11.00						
f	7.8	3.51	11.31						
g	7.9	3.51	11.41						
h	8.5	3.48	11.98						
k	8.9	3.46	12.36						
l	9.5	3.41	12.91						
l'	9.8	3.39	13.19						

B Series 397

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Seg IV copied B6. 44:86

Sc V

Jan 30, 1918

B 49271 Large Cl'd 5 g 22 h − 69

Alt. corr. −.20

		Se2	21 Ks		PC		
21 Ks	1	6.3	3.36	9.66			
	2	6.8	3.43	10.23			
	3	7.1	3.47	10.57			
	4	7.4	3.50	10.90			
	5	~~7.7~~ 8.0 7.8 7.90''	3.51	11.41			
	6	8.0	3.51	11.51			
	7	8.1	3.50	11.60			
	8	8.9	3.46	12.36			
	9	9.2	3.44	12.64			
	10	9.7	3.40	13.10			
	11	F					
Large Cl'd Seg I	a	3.9	3.00	6.90	7.8		
	b	tp			8.0	−1.30	6.70
	c	tp			9.3 9.1 9.20''	−1.51	7.69
	d	tp			9.5	−1.53	7.97
	g	4.9	3.16	8.06			
	h'	5.5	3.25	8.75			
	K'	5.9	3.30	9.20			
	l	6.3	3.36	9.66			
	m	6.5 6.7 6.40''	3.40	10.00			
	n	7.1	3.47	10.57			
	o	7.5	3.50	11.00			
	p	8.0	3.51	11.51			
	q	8.3 8.5 8.40''	3.49	11.89			
	s	9.5?	3.42	12.92 r.			
Seg. IV	l4 ~~t~~	6.0	3.32	9.32			
	h4	5.0	3.17	8.17			
	K4	tp					

Copied B44:98
" " 34; 140
Bv stars

Copied B44:112

Seg IV Copied to Bb 44;86

Images very poor. especially for Cloud - Large - hazy and slightly elong-

B Series 397

Copied BCS2:28

Sheet no. 98

Sc V

Jan 30, 1918

B49272 b4 7 0 + 15

	Sc 2		cu.	magn	g	h		cu. magn		pc			cu magn
1	4.0	2.71	3.01	7.01	6.2	tp	0.51	0.42	6.62	8.1	-1.39	-1.30	6.80
2	4.4	2.81	3.07	7.47	tp	tp	'	.	q	8.40:: 8.3 8.5	-1.19	-1.38	7.02
3	4.7	2.62	3.13	7.83	tp	tp	.	.	q	8.95:: 9.0 8.9	-1.63	-1.48	7.47
4	4.9	2.84	3.15	8.05						9.1	-1.36	-1.50	7.60
5	5.3	3.11	3.23	8.53						9.7 ?	-1.29	-1.57	8.192
7	5.5	3.24	3.25	8.75									
8	5.7	3.17	3.28	8.98									
9	6.20:: 6.3 6.1	3.14	3.35	9.55									
9a	6.2	3.42	3.34	9.54									
11	6.5	3.45	3.39	9.89									
13	6.9	3.29	3.44	10.34									
14	7.3	3.44	3.50	10.80									
16	7.5	3.60	3.51	11.01									
17	7.95:: 8.0 7.9	3.55	3.52	11.47									
18	8.2	3.73	3.50	11.70									
19	8.7	3.42	3.46	12.16									
20	9.1	3.40	3.44	12.54									
22	9.5	3.28	3.42	12.92									
23	9.3	3.70	3.43	12.73									
24	F	.	.	F									
25a	10.0?	3.79	3.36	13.36?									
26	F	.	.	F									
27	ns	.	.										
21a	9.0	.	3.44	12.44									
21b	9.3	.	3.43	12.73									

Images not circular
Diff images too from
elong. ~~and hazy~~

12:30

M15

Sc V Measures to determine magn's for a, b + c selected by Prof B- for comp- with var No49

x8780 Mch 15, 1918

Adopted March 18, 1918

	Sc 2	Diff	Cu.		x8920	x8869	x8912	Mean	
f	6.3	8.30 -	8.32						
h	6.8	8.30 -	8.18						
k	7.2	8.00 -	8.00						
n	8.0 7.9 7.95	7.65 -	7.66						
o	8.5	7.50 -							
a	6.7		8.23	14.93	14.96	15.08	15.00	14.99	06 03 09 00
b	7.7 7.5 76.0 1 L		7.82	15.42	15.42	15.53	15.38	15.44	02 02 09 06
c	7.9		7.70	15.60	15.83	15.80	15.66	15.72	12 11 08 06

x8920

f	5.1	9.50		
h	5.5	9.60		
k	5.9	9.30		
n	6.7	8.90		
o	7.1	8.90		
a	5.5		9.46	14.96
b	6.3		9.12	15.42
c	7.0 6.9 6.95 01		8.88	15.83

M 15

Measures cont- from preceding page

Sc V

Mch 15, 1918

X8869

	Sc 2		Cu		
f	5.3	9.30			
h	5.6	9.50			
k	5.9	9.30			
n	6.9	8.70			
o	7.3	8.70			
a	5.7		9.38	~~9~~	15.08
b	6.5		9.03	~~9.39~~	15.53
c	6.9		8.90	~~9.22~~	15.80

X8912

f	5.2	9.40		
h	5.7	9.40		
k	5.9	9.30		
n	7.0	8.60		
o	7.5	8.50		
a	5.7		9.30	15.00
b	6.4		8.98	15.38
c	7.0		8.66	15.66

Images on 8912 elongated.

Plate.		Q			Q			Q
X 8869	✓	5	MW 2598	✓	3	MW 2624		5
8014	✓	3	2632	✓	3	2613	✓	4
7985	✓	4	2582	✓	4	3396	✓	5
7986	✓	4	3432	✓	5	2616	✓	4
10897	✓	3	3437	✓	5	34~~3~~4	✓	5
7767	✓	4	2602	✓	5	2608	✓	4
12162	✓	3	2587	✓	4	3446	✓	4
8920	✓	4	2610	✓	4	2620	✓	4
8780	✓	4	2596	✓	4	3429	✓	5
10893	✓	3	2609 4?	✓ ?	4	2629	✓	3
8~~8~~64 6?	✓	3	2580	✓	4	3439	✓	5
8912	✓	4	2590	✓	3	3444	✓	4
H1725	✓	4	2614	✓	4	2606	✓	4
1722	✓	3	2584	✓	4	2612	✓	4
1715	✓	3	2593	✓	4	3401	✓	5
1728	✓	3	2588	✓	4	2621	✓	4
1720	✓	4	2595	✓	5	2607	✓	4
1745	✓	3	3395	✓	4	2623	✓	5
1732	✓	3	2585	✓	4	3395		4
1737	✓	3	2600	✓	5			
1746	✓	4	2618	✓	4			
1716	✓	4	2619	✓	5?			
1733	✓	3	2631	✓	4			
1724	✓	3	2628	✓	3			
1719	✓	4	2592	✓	4			
1726	✓	3	3394	✓	4			
MW 2604	✓	5	3447	✓	4			
2597	✓	4	3441	✓	4			
2626	)	5	3428	✓	4			

B Series 460

Sheet no 110

Dev

Mch 20, 1918

11 15 B49885 b7

		Se2		g	h	pc	
	1	tp		tp	tp	7.3	−0.45
	2	tp		tp	tp	7.7 ?	+0.01
	3	4.3	3.81	tp	tp	8.5	−0.39
	4	4.3	3.90	tp	tp	8.65 21 8.8 8.5	−0.45
	5	4.7	3.86	tp	tp	9.0	−0.44
	6	4.9	4.04	tp	tp	9.3	−0.36
	7	5.1	4.10	tp	7.8 1.40	9.7	−0.50
	8	5.5	4.10	tp	8.1 1.50		
	9	tp ~~6.3~~		tp	tp		
omit	~~10~~	~~5.7~~		tp	tp		
	11	6.1	4.01	tp	tp		
	12	6.2	4.16				
	13	6.5	4.16				
omit	~~14~~	~~6.5~~					
	15	6.9	4.09				
	16	7.0	4.23				
	17	7.3	4.26				
omit	~~18~~	~~7.3~~					
	19	7.60 !! 7.5 7.7	4.41				
	20	7.9	4.36				
	21	8.7	4.18				
	22	8.9	4.34				
	23	9.0	4.40				
	24	9.5	4.40				
	25	9.7	4.38				
	26	9.8	4.51				

B Series 460

D.V. Mch 20, 1918

Copied B 27:52

~~#115~~ B 49886 D 7

alt corr +.01

	Se 1/4	Se 2			q	h			PC		
1	3.4 33		'		tp	tp			7.7	-0.37	7.33
2	3.4 33		'		tp	tp			7.8	-0.39	7.41
3	tp				tp	tp			8.1	-0.39	7.71
4		4.0	4.00	8.00	6.9	tp	1.36	8.26	8.3	-0.40	7.90
5		3.8	3.98	7.78	tp	tp			8.2	-0.40	7.80
6		4.1 3.9	4.00 11 4.00	8.00	tp	tp			8.0	-0.39	7.61
7		4.1	4.00	8.10	tp	tp			8.8	-0.40	8.40
8		4.3	4.03	8.33	tp	tp			9.0	-0.40	8.60
9		4.7 4.4	4.55 11 4.06	8.61	tp	tp			9.0	-0.40	8.60
10		4.7	4.06	8.76	tp	tp			9.1	-0.40	8.70
11		4.7	4.06	8.76	7.7	tp	1.43	9.13	9.1	-0.40	8.70
12		5.3	4.12	9.42	tp	tp			9.8	-0.36	9.44
13		5.5	4.14	9.64	tp	tp			9.8	-0.36	9.44
14		5.5	4.14	9.64					9.9	-0.35	9.55
15		5.5	4.14	9.64							
16		5.7	4.16	9.86							
17		6.2	4.20	10.40							
18		6.8 6.7	6.75 01 4.26	11.01							
19		6.8	4.26	11.06							
20		7.2	4.27	11.47							
21		7.3	4.28	11.58							
22		7.4	4.29	11.69							
23		7.5	4.30	11.80							
24		~~7~~.8	4.31	12.11							
25		7.8	4.32	12.12							
26		8.1	4.35	12.45	30	9.0	4.43	13.43			
27		8.3	4.36	12.66	31	9.1	4.44	13.54			
28		8.8	4.41	13.21	32	9.5	4.50	14.00			
29		8.7	4.40	13.10	33	9.7	4.53	14.23			

B Series 460

Dev

Copied B35:162

Mch 20, 1918

B 49887 Dante 13 — 51.5

Ast. corr -.01

		Se2			g	h			pc		
1	3.2 3.1	,			tp	tp			8.0	-0.39	7.61
2	3.5 3.4	,			7.0	tp	1.37	8.37	8.5	-0.40	8.10
3		4.2	4.02	8.22	tp	tp.			9.0	-0.40	8.60
4		5.0	4.10	9.10	8.3	tp	1.50	9.80	9.9	÷0.35	9.55
5		5.3	4.12	9.42	8.7	tp.					
6		5.7	4.16	9.86	9.0 9.00	9.0 ,					
7		6.00±1 5.9 6.1	4.19	10.19	tp	9.3.					
8		6.60±1 6.5 6.7	4.25	10.85							
9		7.1	4.27	11.37							
10		7.3	4.29	11.59							
11		7.7	4.30	12.00							
12		8.3	4.36	12.66							
13		8.7	4.40	13.10							
14		9.0	4.43	13.43							
15		9.7	4.53	14.23							

B Series 460

Copied B45:20

Sc 1

Mch 20, 1918

B49888 W Centauri 13 22-47

Act. corr +.01

		Sc 1 B			g	h	PC		
A					tp	tp	6.9		
B	2.1 2.0				tp	tp	7.3	-0.34	6.96
C	2.4 2.3				tp	tp	7.60±1 7.5 7.7	-0.37	7.23
D	3.3 3.2				tp	tp	8.80±1 8.9 8.7	-0.40	8.40
a′		5.1	4.10	9.20					
b′		5.3	4.12	9.42					
~~b²~~									
d′		7.2	4.27	11.47					
e′		7.60±1 7.5 7.7	4.30	11.90					
f′		8.1	4.34	12.44					
g′		8.7?	4.40	13.10					
h′		9.0	4.42	13.42					
k′		9.3	4.47	13.77					
l′		9.5	4.50	14.00					
l²		tp							
l³		9.7?	4.53	14.23					
m′		9.7	4.53	14.23					
m³		t.p							

Images poor - not circular - and hazy on edge

B Series 460

Copied B45122

Sc V

Mch 20, 1918

B49889 RV Centauri 13 32-56

Alt. corr. -.04

	Sc2			g	h			pe	
a	4.1	4.01	8.11	6.9	6.801 6.7	1.34	8.14	8.3 -0.40	7.90
b	4.7	4.06	8.76	tp	tp			8.8 -0.40	8.40
c	4.7	4.06	8.76	tp	tp.			8.9 -0.40	8.50
c'	6.1	4.20	10.30	tp	tp			ns	
c²	5.0	4.09	9.09	8.1	tp	1.48	9.58	9.2 -0.39	8.81
c³	5.7	4.16	9.86					9.8 -0.37	9.43
c⁴	5.9	4.18	10.08						
d	5.8	4.17	9.97						
e	6.5	4.24	10.74						
f	7.3	4.28	11.58						
g	7.5	4.29	11.79						
Close to fl. st h	7.9	4.33	12.23						
k	8.1	4.34	12.44						
l	8.5	4.38	12.88						
m	9.1	9.201' 9.3 4.46	13.66						
e'	7.2	4.27	11.47						

B Series 460

Sc V Mch 20, 1918

B 49890 CY

	Se2		g	h		pc	
1	tp		tp	tp		7.3	−0.45
2	tp		tp	tp		tp	
3	tp		tp	tp		8.7	8,60!! 8.5 −0.49
4	4.0	4.20	tp	6.9	1.30	8.8	−0.60
5	4.3	4.26	tp	7.1	1.46	9.0	−0.44
6	4.7	4.24	tp	tp		9.1	−0.16
7	5.1	4.10	tp	7.8	1.40	9.3	−0.10
8	5.3	4.30	tp	tp		98	? −0.20
9	5.7	4.11					
11	6.1	4.01					
12	6.3	4.06					
13	6.3	4.36					
15	6.7	4.29					
16	6.9	4.33					
17	7.3	4.26					
19	7.5	4.~~4~~51					
20	8.0	4.26					
21	8.5	4.38					
22	8.7	4.54					
23	9.0	4.40					
24	9.5	4.40					
25	9.5	4.58					
26	9.8	4.51					
27	9.8	4.82				1 ; 30	

M15

Estimates of No 49 with a b + c (sel by S.I.B)

10 – 25

Feb 6, 1918

Magns.
(see p. 207.)
a = ~~15.0~~ 14.99
b = 15.44
c = 15.72
(use hundredths)

MW 2632 v 1 a	~~14.9~~ 14.89	MW 2606 b 1, 1 b c	15.33	MW 2628 v 1 a	14.89
MW 2593 a 2, 1 b	$15.\cancel{2}^{19}$ 15.3^{4} = $15.2\cancel{5}^{6}$	MW 2596 a 2, 1 b	15.26	MW 2604 a 4, 1 8 b	15.36
MW 2612 a 2, 1 b	15.26	MW 3401 a 2, 1 b	15.26	MW 2616 b 1, 1 b c	15.33
MW 2602 b 1, 4 c	15.54; 15.32 = 15.43	MW 2590 v 1 a ?	14.89	MW 2582 v 2 a	14.79
MW 2620 b 1, 5 c	15.54 15.22 = 15.38	MW 2610 a 3, 1 b	15.29 15.34 = 15.32	MW 2598 ~~v 1~~ a 2, 3 b	15.19 15.14 = 15.16
MW 2607 b 1, 6 c	15.54 15.12 = 15.33	MW 2629 v 2 a	14.79	MW 2619 b 1, 5 c	15.38
MW 2587 ~~b~~ v 1 a ?	14.89	MW 2584 v 1 a	14.89	MW 3394 a 3, 1 b	15.32
MW 2624 v 1 a	14.89	MW 2618 a 4, 1 b	15.39 15.34 = 15.36	MW 2585 ~~a~~ + v 1 a	14.89
MW 2592 a 2, 1 b	15.26	MW 2600 a 3, 1 b	15.32	MW 3395 a 2, 1 b	15.26
MW 2623 v 1 a	14.89	MW 2588 v 1 a	14.89	MW 2595 ~~a 5, 1 b~~ a 1, 5 b =	15.09 14.94 15.02

M15

Estimates of No 49 cont-
Feb 8, 1918

MW 2614 a 4, 1 b	15.36	#1722 a 2, 3 b	15.19 15.14= 15.16	#1724 v 1 a	14.89
MW 2608 a 3, 1 b	15.32	#1715 a 3, 1 b	15.32	#1719 tp	
MW 3396 b 0, 6 c	15.44 15.12= 15.28	#1728 a 3, 1 b	15.32	#1726 a 3, 1 b	15.32
MW 2613 a 3, 1 b	15.32	#1720 v 2 a	14.79	X8912 a 3, 1 b	15.32
MW 2597 a 3, 1 b	15.32	#1745 tp		X8869 v 1 a	14.89
MW 2580 v 3 a	14.69	#1732 b 1, 5 c ?	15.38	X8920 a 3, 1 b	15.32
MW 2621 b 1, 4 c	15.54 15.32= 15.43	#1737 a 2, 1 b	15.26	X12162 a 1, 3 b	15.09 15.14 15.12
MW 2626 v 2 a	14.79	#1746 v 1 a	14.89	X7767 a 3, 1 b	15.32
MW 2631 v 1 a	14.89	#1716 a 3, 1 b	15.32	X10897 b 1, 5 c	15.38
#1725 ~~a 3, 2 b~~ v 1 a ?	14.89	#1733 tp		X7986 a 3, 2 b	15.29 15.24=15.26

M 15

Prof B- Estimates of Nu 49 with a, b, c - selected by Jan 31, 1918

MW 3439
a 3, 1 b 15.32

MW 3432
a 3, 1 b 15,32

MW 3447
a 3, 1 b 15,32

MW 3441
a 1 2 b 15.09 15.24 =
15.16

MW 3428
a 3 0 b, 4 c
15.29, 15.44, 15.32 = 15.35

MW 3446
a 3. 1 b 15.32

MW 3444
a 1, 3 b 15.09 15.14 =
15.12

MW 3434
b 1, 3 c 15.54, 15.42 = 15.48

+ 7985
b 1, 6 c 15.33

+ 8014
- a 1, 5 b 15.09 14.94 = 15.02

MW 3429
b 1 3 c 15.54 15.42 = 15.48

MW 3437
a 4, 0 b. 15.39 15.34 = 15.36

+ 8664
a 3, 1 b 15.32

+ 8780
a 3, 1 b 15.32

+ 10893
a 4, 1 b 15.39 15.34 = 15.36

12 : 10