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Music Book. 28.
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Wednesday November 7, 1917.

Scale 2. "North Polar Sequence." YELLOW Reduction on paper

10:50 mc 9 8 16.

	pc.1	pc.2			Q.C. pc.1	pc.2
1	B				ff	
2					ff	
3					7.4	7.7
4					7.5	7.8
5					8.3 8.6	8.5 8.55 0 2
6					9.4	
7					9.7	
8					10.5	
9	B				11.8	
10	5.0	5.3			11.5	
11	5.8	6.1			12.4	
12	6.1	6.4			12.5	
13	7.2	7.5			13.4 poor.	
14	7.4	7.7	B.		13.4	
15	8.4	8.7	8.4	8.55 1 2	13.4? poor.	
16	8.7	9.0	9.1	9.05 0 1	f.	
17			9.2			
18			10.2			
19			10.7			
20			11.7	11.55 1 2 11.4		
23 ~~21~~			12.1	12.10 0 0 12.1		
25 ~~22~~			12.5	12.50 0 0 12.5		
26 ~~23~~			13.1	13.10 0 0 13.1		
27 ~~25~~			13.4	13.40 0 0 13.4		
28 ~~26~~			13.5	13.50 0 0 13.5		
29			f.	f.		
30			11.2			

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Wednesday November 7, 1917.

Scale R North Polar Sequence. YELLOW

Mc 9816- Diff. Images.

	g		h		
	sc.1	sc 2	sc.1	sc 2	Mean
1	.		.		.
2	.		.		.
3	g		.		.
4	g		.		.
5	7.4	7.7	7.8	8.1	7.90 ± 2
6	8.4	8.7	8.4	8.7	8.70 00
7		9.7		9.6	9.65 10
8		10.21		10.6	10.40 ± 2
9		11.5		11.7	11.60 ± 1
10		11.8		11.7	11.75 0!
11		12.4		12.4	12.40 00
12		12.4		12.7	12.55 ± 1
13		13.4		13.1	13.25 2!
14		13.3.		13.3 ~~13.9~~	13.30 00
15		13.7		13.7	13.70 00
16		14.0?		f.	14.0? @.
17		n.s.		n.s.	
18		ns			
19		ns.			
20					
21					
22					
23					
24					
25					

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Wednesday November 7, 1917.

Scale R North Polar Sequence. YELLOW Reduction on paper

Mc 9816 -

	sc.1	sc.2		Q.C. sc.1	sc.2
2r	B			8.3	8.6
3r	B.				10.0
4r	B.				11.2
5r	B				11.4
6r	5.4	5.7			12.1
7r	6.3	6.6			13.1
8r	7.6	7.9 B.			13.7
9r	8.4	8.7 8.4	8.55 12		?.
10r		10.7			ns
11r		10.7			ns.
12r		11.5			ns.
+87 12	B.				10.4
15	B.				10.8
+88 2	B.				10.7
80	B.				12.1
86	B				12.1
105	B.				11.2
115	5.3	5.6			12.2
90	5.4	5.7			12.1
4a	6.4	6.7			12.6
5a	6.8	7.1			t.p.
6a	7.9	8.2			?. + pron.
7a		11.1			ns
8a		13.1			ns

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Wednesday November 7, 1917.

Scale R North Polar Sequence. YELLOW

mc 9816.

	g sc.1	g sc.2	h sc.1	h sc.2	Mean
2N	7.4	7.7	7.1	7.4	7.55 ± 2
3N		9.3		9.4	9.35 ± 0
4N		10.7		10.7	10.70 00
5N		11.4		11.3	11.35 0±
6N		12.1		12.1	12.10 00
7N		12.4		12.6	12.50 ± 1
8N		13.3		13.1	13.20 1±
9N		†		†	.
10N		n.s.		n.s.	.
11N		n.s.		n.s.	.
12N		n.s.		n.s.	.
+87 12		10.2		10.1	10.15 0±
+87 15		10.4		10.4	10.40 00
+88 21		10.4		10.6	10.50 ± 1
80		11.5		12.1	11.95 ± 1
86		12.1		11.9	12.00 1±
105		10.6		10.6	10.60 00
115		12.1		12.1	12.10 00
90.		12.3		12.2	12.25 10
4S		12.7		12.6	12.65 10
5S		12.8?		13.1?	12.95? ± 1
6S		13.4		13.3	13.35 0±
7S					
8S					

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Wednesday November 7, 1917.

Scale R. North Polar Sequence. YELLOW Reduction on paper
Mc 9816–

	sc.1	sc.2	P.C. sc.2
9a		13.1	
10a		†	
11a		ns.	
12a		ns.	
13a		†?	
14a		ns.	
014	7.5	7.8	13.4
~~015~~	7.8	8.1	
017		9.8	
018		9.6	
019		9.5	
020		10.8	
021		11.4	
022		11.7	
023		11.8	
024		9	
025		12.4	
026		13.3	
027		13.4	
028		13.6	
029		ns.	
030		ns.	

q	h diff
9.	13.5

faint stars very poor.

12

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Sheet 10

Thursday November 8, 1917.

Scale M Arc plates. H.S. Region D 4 YELLOW Copied 23:170

Ao 15666.

	RC.1	RC.2	RC.3	Diff	Cw.	Magn.
1	5.7 5.5	5.8	575	1 0 1.23	1.13	6.88
2	6.5 6.3	6.5	6.50	00 0.95	1.00	7.50
3	6.7 6.5	6.7	6.70	00 1.12	0.98	7.68
4	6.3 6.1	6.2	625	1 0 0.79	1.04	7.29
5	6.8 6.6	6.9 6.7	7.3 7.1	7.02 2 3 1 1.10	0.92	7.94
6		7.5	7.5	7.50 00 0.93	0.87	8.37
7	6.7 6.5	6.6	665	1 0 0.90	0.99	7.64
8		8.1	7.8	795 1 2 0.98	0.82	8.77
9	6.0 5.8	6.2		610 1 1 0.95	1.07	7.17
10		8.1	7.9	795 1 1 0.97	0.82	8.77
11		8.1	8.1	8.10 00 1.02	0.81	8.91
12		7.9	8.2	805 1 2 0.73	0.82	8.87
13		7.7	7.6	765 1 0 0.77	0.86	8.51
14		9.1	8.9	905 1 1 0.81	0.79	9.84
15		8.8	8.8	880 00 0.76	0.76	9.56
16		8.4	8.3	8.35 0 1 0.53	0.79	9.14
17		9.4	9.4	9.40 00 0.84	0.87	10.27
18		9.4	9.3	935 0 1 0.81	0.86	10.21
19		9.3	9.4	9.35 1 0 0.67	0.86	10.21
20		9.5	9.5	9.50 00 0.90	0.90	10.40
21		9.8	9.6	970 1 1 1.08	0.95	10.65
22		1	1.	9.90 00 ,	.	,
23		9.9	9.9	1.62	1.05	10.95
24		ms.	ms.	,	,	,
25		ms	ms	.	,	,

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Scale N Ac Plates. H.S. Region. D4 - YELLOW Copied 23.170

Ac 15686

	B sc	B sc	C sc	Diff	Lin.	Magn
1	5.9 6.3	5.75 12	5.6	1.23	1.02	6.77
2	6.5 6.9	6.45 10	6.4	1.00	1.00	7.45
3			6.2	1.62	1.01	7.21
4	6.2 6.6	6.15 01	6.1	0.89	1.01	7.16
5	7.0 7.4	6.90 11	6.8	1.22	1.00	7.90
6	7.3 7.7	7.35 10	7.4	1.08	1.02	8.37
7	6.8 7.2	6.75 01	6.7	0.80	1.00	7.75
8	7.7 8.1	7.85 12	7.8	1.18	1.04	8.79
9	6.3 6.7	6.35 10	6.4	0.70	1.00	7.35
10	8.0 8.4	7.90 11	7.8	1.02	1.05	8.95
11	8.0 8.4	8.05 01	8.1	1.07	1.07	9.12
12	7.9 8.3	7.85 10	7.8	0.93	1.04	8.89
13	7.3 7.7	7.35 10	7.4	1.07	1.02	8.37
14		8.65 01				
	8.1	8.6	8.1	1.21	1.11	9.76
15		8.75 01				
	8.7	8.8	8.7	0.81	1.12	9.87
16	8.0 8.4	8.05 01				
		8	8.1	0.83	1.07	9.12
17		8.75 10				
		8.7	8.8	1.49	1.12	9.87
18		9.15 10				
		9.1	9.2	1.01	1.16	10.31
19		9.20 00				
		9.2	9.2	0.82	1.17	10.37
20		9.45 01			1/20	
		9.4	9.5	0.95		10.55
21		9.45 10			1/20	
		9.5	9.4	1.08		10.55
22		9.70 00 v.m.				
		9.7	9.7 v.b.	1.27	1.20	10.90
23		9.75 10				
		9.7	9.8	1.77	1.21	10.96
24		9.75 10				
		9.7	9.8?	0.99	1.21	10.96
25		ns.	ns.	,	,	,
26		ns	ns.	,	,	,

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Sheet 10

Thursday November 8, 1917.

170 Scale N Ac Plates. H. S. Region. D 5. YELLOW Copied 23:176

Ac 15846

	ac.	B	c	c	Diff.	Cu.	
	5.7						
1	6.1	5.65	1 0	5.6	1.12	1.08	6.73
	6.1						
2	6.5	6.00	1 1	5.9	1.10	1.00	7.00
	5.1						
3	5.5	5.20	1 1	5.3	1.11	1.15	6.35
	6.9						
4	7.3	6.75	1 2	6.6	0.99	0.86	7.61
	7.0						
5	7.4	6.90	1 1	6.8	0.92	0.83	7.73
	7.2						
6	7.6	7.30	1 1	7.4	0.91	0.77	8.07
	7.7						
7	8.1	7.70	0 0	7.7	0.65	0.70	8.40
	7.3						
8	7.7	7.35	1 0	7.4	0.76	0.76	8.11
	7.3						
9	7.7	7.35	1 0	7.4	0.61	0.76	8.11
	7.7						
10	8.1	7.80	1 1	7.9	0.52	0.68	8.48
	7.9						
11	8.3	7.95	1 0	8.0	0.55	0.65	8.60
	8.5						
12	8.9	8.55	1 0	8.6	0.70	0.58	9.13
13		8.9	8.95	1 0	9.0	0.66	0.52	9.47
14		9.0	8.90	1 1	8.8	0.23	0.53	9.43
15		9.4	9.45	0	9.5	0.60	0.55	10.00
	8.3							
16	8.7	8.35	1 0	8.4	0.76	0.59	8.94
17		9.3	9.35	1 0	9.4	0.31	0.53	9.88
			9.45	1 0				
18		9.5		9.4	1.02	0.55	10.00
			9.45	1 0				
19		9.5		9.4	0.73	0.55	10.00
			10.00	0 0				
20		10.0		10.0	1.22	0.72	10.72
			10.00	0 0	0.38			
21		10.0		10.0	~~1.22~~	0.72	10.72
22		ns		ns	,	,	,
23		ns		ns	,	,	,
24		ns		ns	,	,	,
25							

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Sheet-10

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Ac 158555

	sc.	B	c	C	Diff	Cu.	
	5.7						
1	6.1	5.65	1.0	5.6	1.12	1.13	6.78
	6.2						
2	6.6	6.00	22	5.8	1.10	1.11	7.11
	5.1						
3	5.5	5.20	1.1	5.3	1.11	1.14	6.34
	6.9						
4	7.3	6.65	32	6.4	1.09	1.04	7.69
	7.0						
5	7.4	6.85	21	6.7	0.97	1.01	7.86
	7.2						
6	7.6	7.05	21	6.9	1.16	0.97	8.02
	7.2						
7	7.6	7.30	1.1	7.4	1.05	0.93	8.23
	7.3						
8	7.7	7.35	1.0	7.4	0.76	0.92	8.27
	7.2						
9	7.6	7.30	1.1	7.4	0.66	0.93	8.23
	7.4						
10	7.8	7.50	1.1	7.6	0.82	0.90	8.40
	7.7						
11	8.1	7.75	1.0	7.8	0.75	0.84	8.59
	8.4						
12	8.8	8.45	01	8.5	0.80	0.72	9.17
	8.4						
13	8.8	8.75	43	9.1	0.86	0.68	9.43
	8.4						
14	8.8	8.55	21	8.7	0.58	0.71	9.26
		9.50	1.1				
15		9.4		9.6	0.55	0.55	10.05
	8.4						
16	8.8	8.50	1.1	8.6	0.61	0.72	9.22
		9.40	00				
17		9.4		9.4	0.26	0.57	9.97
		9.90	1.1				
18		10.0		9.8	0.55	0.51	10.41
		9.45	01				
19		9.4		9.5	0.73	0.56	10.01
		10.00	00				
20		10.0		10.0	1.22	0.50	10.50
		10.00	00				
21		10.0		10.0	0.38	0.50	10.50
22		n.s.		n.s.	,		,
23		n.s.		n.s.	,		,

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This B Series measured in this Book by mistake.

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Scale m

10 — 02

B 49649 C 4 —

B Series 437.

	pc.1	pc.2			Diff. Im. q	h pc.2		P.C. pc.2	
1	B.				6.7	6.7	67000	0.01	8.1 — 1.39
2	B.				7.3	7.3	73000	−0.09	8.5 — 1.29
3	B				9f	7.3		0.02	8.6 — 1.28
4	B.				9f	7.7		0.04	8.8 — 1.06
4a	50				9f	8.1		−0.12	9.1 — 1.15
5	4.8 5.5	5.9	5.15	21 3.26	8.3	8.4	8.35 LO	0.06	9.3 nearly recip. −0.89
7	5.3 5.7	5.3	5.40	1 1 3.34	8.4	8.4	8.40 00	0.34	9.6 −0.86
8	5.5	5.8	5.75	LO 3.12	9f	8.5		0.37	9.7 −0.63
9	6.3 6.1	6.1	6.20	1 1 3.14	9.1	9.1	9.10 00	0.24	n.s.
9a	6.6 6.4	6.3	6.45	2 1 3.17	9f	9.1			
11	6.9 6.7	6.9	6.70	00 3.05	9.6	9.5	9.55 01	0.52	
13		7.4		2.79				0.40	
14		7.7		3.04	9.8	9.9	9.85 01	0.34	
16		7.8		3.30	ns	ns.			
17		8.4		3.10					
18		8.6		3.33					
19		8.8		3.32					
20		9.2	9.20	00 3.30					
22		9.3	9.4	9.35 LO 3.43					
23		9.2	9.4	9.30 1 1 3.70					
24		9.7	9.6	9.65 10 3.92					
26		ns.							
27		ns.							
28									
29									
30									

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Scale m

B Series 437.

Alt Cor +08

B 49652 Carte 8 −23.5

	sc.1	sc.2	Cw.		Diff. Inw. q	h	sc.2		P.C. sc.2		
1	B.		.		q 5.8	.	.		7.7	−1.52	6.18
2	B.		.		q	q	.	.	8.6	−1.32	7.28
3	B		.		7.5	7.5 7.50 00	0.19	7.69	8.8	−1.24	7.56
4	B.		.		q	7.8	0.20	8.00	9.4	−0.95	8.45
5	4.4 (4.6)	B	3.29	7.89	8.4	8.21 8.30 1	1 0.27	8.57	9.5	−0.88	8.62
6	5.5 (5.7)	5.5	5.60 1	1 3.18	8.78	8.7	8.7 8.70 00	0.35	9.05	ns	. .
7	5.5 (5.7)	5.6	5.65 1	0 3.17	8.82	9.1	9.1 9.10 00	0.48	9.58		
8	7.5 (6.9 6.7)	6.6	6.75 1	2 3.10	9.85	9.5	9.5 9.50 00	0.61	10.11		
9	6.8 (7.0)	ns. 7.1	7.05 0	1 3.12	10.17	f	f.	.	.		
10		7.7		3.15	10.85	ns	ns.	.	.		
11		8.1		3.22	11.32						
12		8.3		3.25	11.55						
13		8.4		3.30	11.70						
14		8.7 (8.70 00)	8.1	3.39	12.09						
15		8.7 (8.70 00)	8.7	3.39	12.09						
16		9.1 (9.10 00)	9.1	3.59	12.69						
17		9.2 (9.25 01)	9.3	3.67	12.92						
18		9.4 (9.40 00)	9.4	3.75	13.15						
19		9.8 (9.75 01)	9.7	4.01	13.76						
20		f.	f.	,	.						

Poor. * Images elongated. Not as good as C Regions.

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Scale m.

B Series 437.

Alt Cor + 03

B 4965 $\frac{3}{R}$ Carlé

8 – 40.5

Diffr. Im.

	sc 1	sc 2	sc 3	Cu.		g	h			B.C. sc 2		
1	B.			,		7.4	g	0.18	7.58	8.6	– 1.31	7.29
2	5.0 4.8 5.7			3.24	8.24	g	g	,	,	8.6	– 1.31	7.29
3	5.5 6.3 6.1	5.5	560	11 3.18	8.78	8.3	g	0.27	8.57	9.7	– 0.76	8.94
4	5.8 6.9	6.2	625	10 3.13	9.38	g	8.9	0.41	9.31	7	,	,
5	6.7	6.8	688	10 3.08	9.93	9.7	9.8	0.72	10.47			
6		7.6		3.14	10.74	ns.	ns.	,	,			
7		7.7		3.15	10.85							
8		7.8		3.16	10.96							
9		8.1		3.22	11.32							
10		8.5		3.32	11.82							
11		865 01 8.6	8.7	3.37	12.02							
12		885 10 8.9	8.8	3.45	12.30							
13		930 11 9.2	9.4	3.70	13.00							
14		980 00 9.8	9.8	4.05	13.85							
15		10.00 00 100	100	4.30	14.30							
~~16~~												

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Friday November 9, 1917

Scale m

B series 437.

B 49654 G5

	dc.1	dc.2	dc.3		Diff. Inv. g	h		P.C. dc.2	
1	B.			.	g	6.7	0.46	8.6	−1.44
2	4.8 4.6			3.22	g	7.8	0.22	9.2	−1.18
3	4.9 4.7			3.30	7.7	g	0.50	9.3	−1.10
4a	B.			,	g	g	,	9.4	−1.03
5	5.7 5.5			3.24	g	g	,	9.7	−0.76
6	6.0 5.8	5.9	5.95 0	1 3.21	8.6	g	0.56	10.0	−0.84
8	6.3 6.1	6.3	6.30 0	0 3.25	g	8.8.9 9.40	0.65		
9	6.6 6.4	6.4	6.50 1	1 3.22	9.4	9.4 9.70	0.32		
10	6.9 6.7	6.7	6.80 1	1 3.21	9.7	9.7	0.31		
12	6.9 6.7	6.9	6.90 0	0 3.31	7	9.9	0.31		
12a	7.0 6.8	6.9	6.95 0	1 .	ms	ms.			
13	7.3 7.0	7.2	7.20 0	0 3.26			,		
14a		7.6		3.35					
15		7.9		3.26					
16		8.2 9.7 ms		3.16					
18		8.6		3.22					
19		8.7		3.35					
20		8.7		3.52					
21		9.0		3.69					
22		9.3		3.71					
23		9.4		3.79					
24		9.7		3.78					
25		9.9		4.19					
27		ms		,					

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Scale m. B Series 437- Alt Con +08

B 49655 D5

		sc.1	sc.2			P.C. sc.2		
1	B			,		8.3	−1.40	6.90
2	B.			,		8.8	−1.23	7.57
3	B			,		8.7	−1.28	7.42
4	B			,		9.1	−1.10	8.00
5	B.			,		9.3	,	,
6	B.			,		9.2	−1.04	8.16
7	5.1 4.9			3.22	8.32	9.5	−0.82	8.68
8	4.9 4.7	5.1	5.00	L 1 3.24	8.24	9.4	−0.95	8.45
9	5.3 5.1	5.5	5.40	L 1 3.20	8.60	10.0	−0.58	9.42
10	6.1 5.9	5.8	5.95	1 2 3.14	9.09			
11	5.7 5.7	6.1	6.00	L 1 3.14	9.14			
12	6.4 6.2	6.2	6.30	1 1 3.13	9.43			
13	6.7 6.5	6.5	6.60	1 1 3.12	9.72			
14	6.8 6.6	6.7	6.75	0 1 3.12	9.87			
15	7.0 6.8	7.1	7.05	0 1 3.11	10.06			
16	7.0 6.8	7.0	7.00	0 0 3.11	10.11			
17		7.3		3.13	10.43			
18		7.3		3.13	10.43			
19		7.3		3.13	10.43			
20		8.0		3.19	11.19			
21		8.4		3.30	11.70			
22		8.5		3.32	11.82			
23		8.9		3.46	12.36			
24		8.6		3.35	11.95			
25		8.9		340	12.10			

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Friday November 9, 1917.

Scale M. B series 437.

B 49655 D5.

	sc.2	sc.2		
26	8.9		3.46	12.36
27	9.1	9.10 00 9.1	3.59	12.69
28	9.2	9.25 9.3	3.65	12.90
29	9.5	9.50 00 9.5	3.81	13.31
30	9.7	9.70 00 9.7	3.98	13.68
31	9.7	9.70 00 9.7	3.98	13.68
32	⸗	⸗	,	,

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Friday November 9, 1917.

Scale m

B Series 437.

	B 49655 g		D 5 h		Diffr. Inn.	
	sc.1	sc.2	sc.1	sc.2	Cu.	.
1	q		q		.	.
2	q		q		.	.
3	7.1		q		0.16	7.26
4	q		q		.	.
5	q		q		.	.
6	q		q		.	.
7	q		q		.	.
8	q		q		.	.
9	q		8.7		0.35	9.05
10	9.2	9.15 01	9.1		0.50	9.65
11	9.1		q		0.48	9.58
12	9.3	9.25 10	9.2		0.53	9.78
13	9.5	9.50 00	9.5		0.61	10.11
14	f		f		.	.
15	ns		ns		.	.
16						
17						
18						
19						
20						
21						

Diffr. Inn. are very few.

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Friday November 9, 1917.

Cofrid 45: 198

Salem.

B Series 437.

Alt Con-92

B 49656 S Pole

		sc.1	sc.2	Cw.	sc.2		
a	B			,	1.6	−1.54	6.06
k	B			,	8.3	−1.40	6.90
c	B			,	8.5	−1.35	7.15
d	B			,	8.8	−1.24	7.56
e	B			,	8.8	−1.24	7.56
e'	4.7						
f	4.6			3.27	7.97	9.3 −1.00	8.30
f	5.0 / 4.8	4.9	4.95	0 ± 3.24	8.19	9.4 −0.95	8.45
g	5.1 / 4.9	5.3	5.20	L 1 3.21	8.41	9.8 −0.70	9.10
h	5.3 / 5.1	5.5	5.40	L 1 3.20	8.60	10.0 −0.58	9.42
k	6.2 / 6.0	6.1	6.15	0 ± 3.13	9.28		
l	6.6 / 6.4	6.5	6.55	0 ± 3.12	9.67		
l'	6.8 / 6.6	6.6	6.70	1 ± 3.12	9.82		
m	6.8 / 6.6	6.8	6.80	0 0 3.12	9.92		
n	7.1 / 6.9	6.9	7.00	1 ± 3.12	10.12		
~~n'~~				,	,		
o		7.5		3.13	10.63		
p		7.7		3.15	10.85		
q		7.8		3.16	10.96		
r		7.8		3.16	10.96		
s		8.2		3.24	11.44	star Im. cont	
t		8.3		3.25	11.55	α 9.4 9.40 9.9	3.74 13.14
u		8.5		3.32	11.82	δ 9.7 9.75 9.8	4.01 13.76
w		8.7		3.39	12.09	β 9.9 9.85 9.8	4.09 13.94
x		9.3		3.60	12.90		
y		9.2+		3.74	13.14		
z		9.2+		3.74	13.14		
ε		10.0		4.30	14.30		

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Friday November 9, 1917.

Scale M. B Series 437 –

B 4965 b cont S Pole. Diffr. Im.

	sc.1	sc.2	sc.1	sc.2	Cu.	
a	B		B		,	
b	D		D		,	
c		9f		7.1	0.16	7.26
d		9f		7.5	0.18	7.68
e		7.7		9f	0.16	7.36
f		8.1		9f	0.23	8.33
g		8.2	8.15 0 L	8.1	0.24	8.39
h		8.5	8.55 L 0	8.6	0.32	8.87
he		9f		9f	,	,
l		9f		9.4	0.58	9.98
l'		9f		9.6	0.65	10.25
m		9.8		7.7	0.74	10.54
n		~~nf~~		9f	,	,
o		ns		ns	,	,
p						
q						
r						
s						
t						
u						
w						

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Friday November 9, 1917. Cofnid 34.17

Scale M. B Series 437- Alt Cow +08

B 49657 125K 9 13-15.2

	sc.1	sc.2		Cu	g	h			P.C. sc.2	
1	5.7 5.5	5.5	560 1 1	3.18	8.78	8.7 930 00	9	0.35	9.05	9.4 − 0.95 8.45
2	6.7 6.5	6.5	660 1 1	3.11	9.71	9.3	9.3	0.55	9.85	ns "
3	6.7 6.5	6.7	6.70 0 0	3.12	9.82	9.40 00 9.4	9.4	0.58	9.98	
4		7.3		3.12	10.42	×100	7.	0.82	10.82	
5		7.5		3.13	10.63	ns	ns	"	"	
6		7.6		3.14	10.74					
7		7.7		3.15	10.85					
8		8.0		3.19	11.19					
9		8.3 830 00	8.3	3.26	11.56					
10		8.6 855 0 1	8.5	3.34	11.89					
11		9.3 9.35 1 0	9.4	3.72	13.07					
12		9.3 9.55 1 0	9.4	3.72	13.07					
13		9.5	9.6	3.86	13.41					
14		4	4	"	"					
15		ns.	ns.	"	"					

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Friday November 9, 1917.

Cofuid 34:84

Scale m B Series 437. Alt Con - 08

B 49658 192 K. 9 27 – 60.1

		sc.1	sc.2		Diff. Im. q	h		sc.2		
1	B.				8.1 8.75	9 8.10	0.23	8.33	9.2	– 105 8.15
2	B.				8.1 8.8		0.36	9.11	9.8	– 0.71 9.09
3	B				† †		.	.	Ks.	.
4	q									
5		7.1		3.12	10.22					
6		7.8?		3.16	10.96?					
7		8.2		3.23	11.43					
8		8.5		3.32	11.82					
9		8.7		3.39	12.09					
Remeas. plus 18.	10	8.8		3.44	12.24					
8.9	11	9.1 9.05	10	3.58	12.68					
9.2	12	9.1 9.30	9.0 9.2	3.54	12.59					
9.4	13	9.4 9.70	9.2 00	3.70	13.00					
~~9.4~~ 9.3	14	~~9.4~~ 10.00	~~9.4~~ 00	~~3.98~~	~~13.68~~					
9.7 9.6	15	10.0	10.0	4.31	14.31					
	16									

Wrong plate meas. Fainter of 3 meas. instead of brighter of 2. Reject.

10.0 not wrong measured fainter at first pitting than I would meas. it now. Reject for discordance.

Very poor (Regrois good) —

1917phae.proj.10820

Friday November 9, 1917.

Scale m.

B Series 437.

B 49659 173 K 9 36 - 45.1

	sc.1	sc.2	sc.2	Cu.		q sc.2			qc. sc.2	
1	B. 6.0	5.6		3.17	8.77	8.6 8.80 00	0.34	8.94	9.8	−0.71 9.09
2	5.8 6.8	6.0	6.00 00	3.14	9.14	8.8 8.8 9.45 01	0.38	9.18	7.	.
3	6.6 7.1	6.6	6.70 1	3.12	9.82	9.4 9.5	0.59	10.04		
4	6.9	7.1	7.10 00	3.12	10.22	10.0 4	0.88 2	1082		
5		7.2		3.12	10.32	MS MS	.	.		
6		7.6		3.14	10.74					
7		7.8		3.16	10.96					
8		8.2		3.24	11.44					
9		8.4		3.29	11.69					
10		8.45 1 0 8.5	8.4	3.30	11.75					
11		8.80 0 0 8.8	8.8	3.45	12.25					
12		8.85 1 0 8.9	8.8	3.45	12.30					
13		9.15 1 0 9.1	9.2	3.62	12.77					
14		9.25 0 1 9.2	9.3	3.65	12.90					
15		10.00 00 10.0	10.0	4.32	14.32					

12 30

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Friday ~~Aug~~ December 14, 1917.

Scale m. m.s series 17.

855 MD 2340 Pole.

D.C.

	sc.1	sc.2			sc.2		
						Cu	Magn
5	B	B.					
6	3.7 3.5	B	3.6	3.5	3.60	3.51	3.48	7.18
8	4.9 4.8 4.7	5.15 5.1 5.2	5.00	5.10	5.05	3.18	3.17	8.17
9	6.0 6.05 5.8	6.1		6.00	5.65 5.90	2.93	2.90	8.95
10	6.1 6.15 5.9	6.2		6.10	6.10 6.12	2.90	2.87	9.02
11	6.9 7.00 6.7	7.1		6.80	6.75 6.85	2.70	2.67	9.67
12	7.0 6.8	7.4 7.3	7.22	7.10	7.3 7.21	2.65	2.63	9.85
13		7.7		7.8	7.7 7.73	2.63	2.63	10.33
14		8.1		8.1	8.0 8.08	2.58	2.65	10.75
15		8.5		8.3	8.3 8.37	2.71	2.68	11.18
16		8.7		8.70	8.70 8.70	2.70	2.71	11.41
17		8.8 8.8		8.85	8.80 8.82	2.81	2.73	11.53
18		9.2 9.2		9.30	9.35 9.28	2.78	2.77	11.97
19		9.5 9.5		9.70	9.75 9.65	2.77	2.80	12.30
20		9.8 9.4			10.00 9.88	2.85	2.83	12.58
23		M.S. MS						

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Friday December 14, 1917.

Scale m. mN 17.

mD 2341 124 K 8 15 - 152 Act. corr. −.19

	pc 1	pc 2			pc 2
	6.4	6.40°°			
1	6.25	6.4	2.81	9.21	
2		7.8	2.63	10.43	
3		8.25	2.66	10.86	
	6.8	6.80°°			
4	6.6	6.8	2.72	9.52	
5		8.7	2.71	11.41	
6		8.6	8.60°° 8.6	2.70	11.30
7		9.1	9.10°° 9.1	2.76	11.86
8		9.7	9.65°° 9.6	2.82	12.49
9		9.4	9.50°° 9.6	2.80	1230
10		n.s	n.s.		
11					
12					

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19170hae. proj. 10:20

Friday December 14, 1917.

Scale m. m is Series 17.

mD 2343 76K 8 16 + 15.0 alt. corr. +.16

P.C.

sc?

1	4.1	5.2	3.14	8.26
2	5.4	5.6	3.03	8.63
3	6.3	6.4	2.79	9.24
4	6.9	7.2	2.65	9.80
5		7.6	2.63	10.23
6		8.3	2.66	10.96
7		8.6	2.70	11.30
8		8.8	2.73	11.53
9		9.0	2.74	11.74
10		9.2	2.77	11.92
11		9.4	2.79	12.19
12		9.9	2.85	12.75
13		ns.		

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Friday December 14. 1917.

Salem

MD Series 17-

MD 7344

Pole.

P.C.

	pc.1	pc.2	Cu	Magn
5	B.			
6	3.6 3.4		3.50	7.10
8	5.0 4.8	5.10 21 5.2 poor	3.15	8.25
9	5.9 5.1	6.00 21 6.1	2.92	8.92
10	6.1 5.9	6.10 00 6.1	2.88	8.98
11	6.8 6.6	6.80 00 6.8	2.72	9.52
12	7.0 6.8	7.10 21 7.2	2.66	9.76
13		7.8	2.64	10.44
14		8.1	2.66	10.76
15		8.3	2.67	10.97
16		8.7 8.70 00 8.7	2.71	11.41
17		8.8 8.85 01 8.9	2.73	11.54
18		9.2 9.30 21 9.4	2.78	12.08
19		9.4 9.70 00 9.4	2.83	12.53
20		† †		

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Friday December 14. 1917.

Scale m. MD Series 17.

MD 2346 6 K 16 14 +74.9 Ref. cor. -.04

P.C.

	Rec.1	Rec.2	Rec.3		
1	7.4		2.63	10,03	
2	7.8		2.63	10,43	
3	7.8		2.63	10,43	
4	8.3		2.66	10,96	
5	8.4	8.40 00 8.4	2.67	11,07	
6	9.1	8.95 15 8.8	2.74	11.69	
7	9.3	9.35 20 9.4	2.79	12.14	
8	9.2	7.25 01 9.3	2.77	12.02	
9	9.6	9.60 00 9.6	2.81	12,41	
10	9.8	9.80 00 9.8	2.83	12.63	
11	9.9	9.95 20 10.0	2.86	12.81	
12	w.s.				
13					
14					
15					

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1917phae.proj.10820

Friday December 14, 1917.

Scale m. MD Series 17.

MD 2347 101K ♀ 52 0.0 Rct. corr +.06

	sc.1	sc.2		
1	5.0 4.8	5.05 01 5.1	3.16	8.21
2	5.9 5.95 60 5.7	6.15 02 6.1 6.21	6.00 0505 2.91	8.91
3	6.0 5.8	6.05 01 6.1	2.90	8.95
4	7.2 7.0	7.15 02 7.1	2.64	9.79
5		7.6	2.63	10.23
6		7.8	2.63	10.43
7		8.5 000 8.5	2.68	11.18
8		8.9 9.05 12 9.21	2.75	11.80
9		9.5 9.60 11 9.4	2.81	12.41
10		n.s. n.s.		
11				
12				

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1917phae.proj.10820

Friday December 14, 1917.

Scale m. MD Series 17.

MD 2348 126 K 10 17 - 15.1 Aet. corr. -.18

	Sc. 1	Sc 2		
1	4.3 4.1	4.25 4.2	3.37	7.62
2	5.8 5.6	5.90 6.1	6.00 5.9	2.94 8.84
3		1.3	1.30 1.3	2.63 9.93
4		1.6		2.62 10.22
5		1.9		2.63 10.53
6		8.1		2.71 11.41
7		9.2	9.15 9.1	2.77 11.92
8		9.3	9.25 9.2	2.78 12.03
9		9.7	9.60 9.5	2.81 12.41
10		ns	ns	
11				
12				

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1917phae.proj.10820

Friday December 14, 1917.

Scale m. MD series 17-

MD 2349 52 K 9 25 + 30.0 alt. corr +.20

	rec 1	rec 2			
1	6.1	6.20 11 6.1	2.86	9.06	
2	6.7 6.5	6.75 10 6.8	2.72	9.47	
3	6.6 6.4	6.55 01 6.5	2.76	9.31	
4	7.6		2.63	10.23	
5	7.9		2.64	10.54	
6	8.0		2.64	10.64	
7	8.8		2.73	11.53	
8	9.1	9.00 11 8.9	2.74	11.74	
9	9.3	9.30 00 9.3	2.78	12.08	
10	9.3	9.35 10 9.4	2.79	12.14	
11	9.6	9.65 01 9.7	2.82	12.47	
12	10.0	9.95 01 9.9	2.87	12.82	

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1917phae.proj.10820

Friday, December 14, 1917.

Salem

MD Series 17.

MD 2350 29 K 9 38 +44.9 Alt Corr +.21

P.C.

	AC.1	AC.2			AC.2
1	4.0 3.8	4.1 3.9 4.05	01	3.41	7,46
2	5.0 4.8	5.05 5.1	01	3.16	8,21
3	6.1 5.9	6.15 6.2	10	2.87	9,02
4	6.9 6.7	6.85 6.8	10	2.70	9,55
5		7.8		2.63	10,43
6		8.3	8.20 8.1	12	2,65 10,85
7		8.3	8.25 8.2	10	2,66 10,91
8		8.7	8.75 8.8	10	2,71 11,46
9		9.8	9.80 9.8	00	2,84 12,64
10		10.0	9.95 9.9	01	2,87 12,82
11		n.s	n.s		
12					
13					
14					

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1917phae.proj.10820

Friday December 14. 1917.

Scale m. MD Series 17.

MD 3351 Polo.

		pc.1	pc.2		Cu	mag.
5	1	B.				
6	2	3.5 3.3			3.53	7.03
8	3	4.8	5.0 5.25	01 5.1	3.17	8.22
9	4	5.5	5.7 5.65	10 5.6	3.00	8.65
10	5	5.9	6.1 6.10	00 6.1	2.89	8.99
11	6	6.5	6.7 6.75	10 6.8	2.73	9.48
12	7		7.3		2.64	9.94
13	8		7.7		2.63	10.33
14			8.0		2.64	10.64
15			8.3		2.66	10.96
16			8.7	8.70 00 8.7	2.71	11.41
17			8.8	8.80 00 8.8	2.73	11.53
18			9.5	9.35 15 9.2	2.79	12.14
19			9.8	9.75 01 9.7	2.83	12.58
20			10.0	10.00 00 10.0	2.87	12.87

Poor.

950

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Sheet 6

Saturday January 5. 1918.

Copied 23:92

Scale P ac Yellow plates. N.S. Regions. C3. YELLOW
935 ac 19322

	ac.1	ac.2		Diff	Cu.	
1	5.5 5.8	5.3	5.40	1 1	1.28	1.20	6.60
2	5.3 ~~5.8~~ 5.6	5.4	5.35	1 0	1.29	11.9	6.54
3	5.4 5.4	5.4	5.40	0 0	1.20	1.20	6.60
4	6.7 6.5	6.2	6.35	2 1	1.31	1.38	7.73
5	6.4 6.7	6.8	6.60	2 2	1.35	1.39	7.99
6	6.4 6.7	6.6	6.50	1 1	1.50	1.39	7.89
7	6.6 6.9	6.7	6.65	0 1	1.47	1.38	8.03
8	6.2 6.5	6.5	6.35	2 1	1.34	1.38	7.73
9		7.1	7.10	0 0	1.58	1.30	8.40
9b		7.5	7.55	1 0	1.04	1.03	8.58
10	6.5 6.8	6.8	6.65	1 2	1.23	1.38	8.03
11	6.6 6.9	6.6	6.60	0 0	1.39	1.39	7.99
12		8.5	8.50	0 0	0.38	0.38	8.88
13		~~8.9~~ 9.4	9.40	0 0	-0.26	-0.04	9.36
14		~~9.7~~ 9.6	9.65	1 0	-0.02	0.02	9.67
15		9.4	9.50	1 1	0.28	-0.04	9.46
16		ns.	ns.		,	,	
17							
18							

Dr focus poor — scale does not compare with images.

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Shot 2

Saturday January 5, 1918.

Scale A#3 Ac yellow plates. B1 YELLOW Cofrid 23:26

Ac 19325

	sc.1	sc.2	sc.2	Diff	Cu.	
1	5.7	5.6	5.68 1 0	1.82	1.75	7.40
2	5.7	5.7	5.70 0 0	1.70	1.70	7.40
3	3.8	~~6.3~~ 6.13	ws.	2.95	2.98 2y	6.75
4	6.4	6.4	6.40 0 0	1.37	1.30	7.70
5		7.1	7.00 ⊥ 1	1.07	0.92	8.02
6	7.	6.9	7.1	1.14	0.97	7.97
7		7.7		0.62	0.60	8.30
8	6.5	6.35 ⊥ 2 6.2		1.32	1.31	7.66
8a		8.3	8.25 1 0 8.2	0.44	0.33	8.58
9		8.1	8.25 ⊥ 2 8.4	0.60	0.33	8.58
10		9.5	9.45 1 0 9.4	0.04	−0.20	9.25
11		7.9	7.85 1 0 7.8	0.42	0.52	8.37
12		9.7	9.60 1 ⊥ 9.5	−0.53	−0.29	9.31
13		8.5	8.45 1 0 8.4	0.13	0.23	8.68
14		ws.		,	,	,
15		7.	7. 9 0 0 2 2	,	,	,
16		9.2?	8.8?	1.34	−0.04	8.96
17		ws.	ws.	,	,	,
18		7.	7?	,	,	,
19		ws	ws.	,	,	,

Focus very poor.

1025

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1917phae.proj.10020

Shutter 3

Monday January 7, 1918.

Copied 23:44

Scale AH3 Arc Plates. N. S. Regions. B4. YELLOW

10 30 Arc 19324

	Sc.1	Sc.2	Sc.2	Diff	Cu.	
1	4.8	4.9	485 01	2.46	2.31	7.16
2	4.9	5.3	510 2 2	2.26	2.22	7.32
3	3.8	B.		2.57	2.61	6.41
4	5.4	5.5 4.8	545 01	2.11	2.09	7.54
5	5.9	5.9	590 00	1.88	1.86	7.76
6	4.8	4.8	480 00	2.28	2.32	7.12
7	6.7	6.8	675 1 0	1.56	1.44	8.19
8	6.1	6.1	610 00	1.70	1.74	7.84
9	6.5	6.5	650 00	1.47	1.56	8.05
9a		7.3 7.30 00	7.3	0.95	1.20	8.50
10		8.4 8.25	8.1 2 1	0.88	0.82	9.07
11		8.5 8.50 00	8.5	0.76	0.71	9.21
12		n.s. 8.4 8.35 01	8.3	0.78	0.77	9.12
13		8.1 8.95 1 2	7.8	0.83	0.91	8.86
14		9.4 9.40 00	9.4	0.34	0.43	9.83
15		n.s.	n.s.	,	,	,
16		n.s.	n.s.	,	,	,
17						

Focus very poor. H stars not seen.

Very dark - difficult for measuring.

10 55

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Sheet 5

Tuesday January 8, 1918

Scale P
9 15

Ac Plates.
Ac 19344

Bg- YELLOW Copied 23.74

		Sc.1	Sc.2	Sc.2	Diff	Cu.	
1	5.4 5.7	5.5	5.45	0 1	1.41	1.39	6.84
2	5.6 5.9	5.6	5.60	0 0	1.33	1.42	7.02
3	5.0 5.3	4.9	4.95	0 1	1.59	1.31	6.26
4	5.8 5.1	5.7	5.55	2 1	1.43	1.42	6.97
5	5.8 6.1	5.7	5.75	0 1	1.53	1.47	7.22
6	6.2 6.5	6.4	6.30	1 1	1.54	1.54	7.84
7	5.2 5.5	5.4	5.30	1 1	1.25	1.37	6.67
8	6.5 6.8	6.8	6.65	1 2	1.89	1.56	8.21
9	5.8 6.1	5.7	5.75	0 1	1.44	1.47	7.22
10		7.5	7.40	1 1	1.48	1.50	8.90
11	not to be meas.	dbl.			,	,	,
12		7.4	7.45	0 1	1.37	1.49	8.94
13		8.3	8.05	3 2	1.37	1.32	9.37
14	6.4 6.7	6.7	6.60	2 1 1	1.44	1.56	8.16
15		8.2	8.25	0 1	1.38	1.32	9.57
16		8.5	8.45	1 0	1.19	1.27	9.72
17		8.6	8.50	1 1	1.26	1.25	9.75
18		9.2	9.15	0 1	0.87	1.08	10.23
19		8.2	8.20	0 0	1.24	1.33	9.53
20		8.5	8.50	0 0	1.53	1.25	9.75
21	def?	9	8.70	0 0	,	,	,
22		8.7	8.7		1.20	1.21	9.91
23		9	9		,	,	,
24		9	9		,	,	,
25							

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Sheet 6

Tuesday January 8, 1918.

Cofrid 23.86

Scale m ac Plates.

ac 17311

C 2 YELLOW

		ac 1	ac 2	ac 2	Diff	Cu.	
			7.30 1 1				
	1		7.4	7.2	−0.36	−0.34	6.96
			7.50 0 0				
	2		7.5	7.5	−0.30	−0.27	7.23
		6.8	6.80 0 0				
	3	6.6	6.8		−0.36	−0.50	6.30
			7.80 0 0				
	4		7.8	7.8	−0.10	−0.15	7.65
			7.55 0 1				
	5		7.6	7.5	−0.24	−0.25	7.30
			8.00 1 1				
	6		7.9	8.1	−0.19	−0.04	7.96
			8.35 1 0				
	7		8.3	8.4	0.37	0.16	8.51
			8.50 0 0				
	8		8.5	8.5	0.35	0.23	8.73
			8.25 2 1				
	9		8.4	8.1	−0.30	0.09	8.34
			8.65 0 1				
	10		8.6	8.7	0.38	0.30	8.95
			8.50 0 0				
	11		8.5	8.5	0.33	0.25	8.75
			8.80 0 0				
Remeas.	12		8.8	8.8	0.71	0.40	9.20
			9.70 1 1				
84	13		~~9.6~~	~~9.8~~	~~−0.05~~	0.94	10.64
						We star measured. Southern of 2 should have been meas. marked wrong.	
	14		7.	8	,	,	,
			9.70 0 0				
	15		9.7	9.7	0.86	0.94	10.64
			9.80 0 0				
	16		9.8	9.8	0.90	0.99	10.79
	17		7.	8	,	,	,
			9.50 0 0				
	18		9.5?	9.5	0.80	0.83	10.33
			9.80 0 0				
	19		9.8?	9.8?	1.38	0.99	10.79
			8.40 0 0				
9a	20		8.4	8.4	0.10	0.18	8.58
9b	21			8.6	0.01	0.29	8.69
			8.40 0 0				
9c	22		8.4	8.4	0.08	0.18	8.58
	23				,	,	,
	20		7.		,	,	,
	21		ms		,	,	,

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42

Shutter

Tuesday January 8, 1918.

Scale P Ac Plates. C2. YELLOW Copied 23:86

Ac 19 3 20 (focus very poor)

	sc.1	sc.2	sc.3	Diff	Cu.	
1	6.3 (6.0)	5.9	5.95	0.1 0.99	1.06	7.01
2	6.4 (6.1)	5.9 (6.2)	6.07	0.2 1.13	1.06	7.13
3	5.6 (5.3)	5.4	5.35	1.0 1.09	1.06	6.41
4	6.7 (6.4)	6.9	6.65	2.3 1.05	1.02	7.67
5	6.5 (6.2)	6.4	6.30	1.1 1.01	1.05	7.35
6	6.8 (6.5)	6.8	6.65	1.2 1.16	1.02	7.67
7		8.2		0.52	0.42	8.62
8		8.0		0.35	0.26	8.76
9		7.2 (8.20 0.0)		0.75	0.85	8.05
9a		8.2	8.2	0.30	0.42	8.62
9b		8.5 (8.45 1.0)	8.4	0.16	0.30	8.75
9c		~~8.2~~ 7.8 (7.85 0.1)	7.9	0.63	0.60	8.45
10		9.3 (8.80 0.0)	9.4	−0.32	−0.31	9.04
11		8.8	8.8	0.03	0.05	8.85
12		9	9	,	,	,
13		7	7	,	,	,
14		7?	7?	,	,	,
15		n.s.	n.s.	,	,	,

Images do not compare well with scale -

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Sheet 7

Thursday January 10, 1918.

Dec. N Ac + Am Plates Cy- YELLOW Copied 23:116

10 15 Am 10980

	sc 2	sc 3	sc 3		Cu.	
1	6.9 7.3 6.8 7.2	6.6	6.72 2 II	−0.92	−0.89	5.83
2	8.3 8.7 8.4	8.1	8.20 1 I	−0.64	−0.83 76	7.44
3	8.8	8.1	8.55 2 I	−0.59	−0.80 74	7.81
4	7 8.4 8.1	8.1		−0.79	−0.78 3	7.97
5	8.4 8.8	8.6	8.50 1 I	−0.74	−0.80 73	7.77
6		9.4		−0.94	−0.71	8.69
7		9.4 9.45 0 1	9.5	−0.77	−0.71	8.74
8		9.8 ?	7?	−052	−0.73	9.07
9		n.s.	n.s.	,	,	,
10		9.9 9.85 1 0	9	−0.29	−0.73	9.17
11		9.9	9.8	−1.03	−0.73	9.12
12		n.s.	n.s	,	,	,
13		n.s.	n.s.	,	,	,
14						
15						
16						
17						
18						
19						
20						
21						

Exp 44 46m. faint stars not seen.

10 25

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Sheet 8

Thursday January 10, 1918.

Scale AE (mc8858)

Ac Plates N.S. Regions C11—YELLOW Copied 23:140

Ac 19333

	sc 1	sc 2	sc 2	sc 2 - sc 1	Diff	Cu.	
1	4.3 3.5	B			2.07	2.16	6.46
1a	4.2 3.4				'	'	'
2	3.9 3.1				2.18	2.19	6.09
3	5.4 4.6				2.27	2.01	7.41
4	4.0 3.2	B			2.22	2.18	6.18
5	5.3 4.5	5.6 4.8 B ~~6.1~~ ws	545 12		2.02	2.00	7.45
6	6.0 5.2	6.2	610 1 1	+.10	1.78	185	7.95
7	7.2 6.4	7.1	715 01	+0.7	1.53	1.53	8.68
8	7.1 6.3	7.3	720 1 1	+.10	1.68	1.52	8.72
9	6.1 5.3	6.5	630 2 2	+.12	2.67	1.78	8.08
10	8.1 7.3	7.6	785 3 2	+.13	1.37	159	9.44
11	7.9 7.1	7.6	775 1 2	+0.5	1.70	1.55	9.30
12	7.1 6.3	7.2	715 1 0	+0.9	1.45	1.53	8.68
13	6.9 6.1	6.8	685 1 0	+0.7	1.54	1.60	8.45
14	7.1 6.3	7.21	715 1 0	+0.9	1.36	1.53	8.68
15	8.3 7.5	7.8	805 3 2	+0.3	2.07	1.66	9.71
16	?	84	850 1 1 86	10/85 +0.8	1.66	1.96	10.56
17		def?	def?	Correct scale by +0.8, for this plate, provisionally.			
17a		86			1.71	2.06	10.31
18		8.4	840 0 0 8.4		1.72	189	10.12
19		86	870 1 1 8.8?	q	2.42	2.16	10.86
20		q	q		'	'	'
21		q	q		'	'	'
22		q	860 0 0	?	'	'	'
23		86?	86		2.29	2.06	10.66
24		ns	ns		'	Identif difficult, pl. slightly fogged and int hazy, for ft stars	
25		ns	ns		'		

11

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Shelf 13

Thursday January 10, 1918.

Scale P Ac Plates. H. S. Regions. D1 - YELLOW Copied 23.152

Ac 19319. Focus poor.

	ac.1	ac.2	ac.3	Diff	Cu. 0.86	
1	6.3 6.6	6.6	6.45 ± 2	0.95		7.31
2	6.7 6.7	6.8	6.60 ± 2	0.83	0.80	7.40
3	6.1 6.4	6.5	6.30 ± 2	0.84	0.92	7.22
4	6.5 6.8	6.9	6.70 ± 2	0.81	0.76	7.46
5	6.3 6.6	6.6	6.45 ± 2	0.77	0.86	7.31
6	6.0 6.3	6.4	6.20 ± 2	1.03	0.95	7.15
7		7.80 09 1.8	7.8	.	0.35	8.15
8		8.15 ± 0 8.1	8.2	0.29	0.23	8.38
9		7.90 00 1.9	7.9	0.28	0.32	822
10		7.85 01 1.8	7.9	0.30	0.34	8.19
11		9.05 21 9.2	8.9	-0.06	-0.09	8.96
12		9.25 ± 2 9.1	9.4	-0.01	-0.17	908
13		9.35 ± 0 9.3	9.4	-0.40	-0.22	9.13
14		9 9.45 10	9	.	.	.
15		9.5	9.4	-0.29	-0.27	9.18
16		7.	7.	.	.	.
17		ns.	ns.	.	.	.
18		ns	ns	.	.	.
19		ns.	ns	.	.	.
20						

(only brā seen)

faint stars not seen -

11 20

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Sheet 11

Wednesday January 16, 1918.

Scale N

9 4°

Ac Plates. N.S. Regions. D6. 11-15° YELLOW Copied 23; 182

Ac 15856

	Ac 2	Ac 3	Ac 3	Diff		Cu.	
1	5.0 5.4	5.3	5.15	2	1	1.17	1.04	6.19
2	6.0 6.4	5.8	5.90	1	1	1.03	0.99	6.89
3	5.4 5.8	5.3	5.35	0	1	1.02	1.02	6.37
4	4.8 5.2	5.1	4.95	2	1	0.96	1.05	6.00
5	6.9 7.3	6.8	6.85	1	0	1.06	0.90	7.75
6	7.0 7.4	7.1	7.05	0	1	0.75	0.88	7.93
7	7.0 7.4	6.9	6.95	0	1	0.77	0.89	7.84
8	6.7 7.1	6.8	6.75	1	0	0.83	0.91	7.66
9	7.4 7.8	7.4	7.40	0	0	0.78	0.84	8.24
10	7.6 8.0	7.8	7.70	1	1	1.18	0.81	8.51
11	7.7 8.1	7.8	7.75	1	0	0.74	0.80	8.55
12	7.4 7.8	7.7	7.55	2	1	0.89	0.83	8.38
13	8.4 8.8	8.6	8.50	1	1	0.57	0.71	9.21
14	7.4 7.8	7.7	7.55	2	1	0.93	0.83	8.38
15	7.2 7.6	7.6	7.40	2	2	0.83	0.84	8.24
16		8.7	8.70	0	0	0.63	0.69	9.39
17	8.5 8.9	8.6	8.55	1	0	0.72	0.71	9.26
18		9.4	9.35	0	1	0.67	0.63	9.98
19		9.7	9.65	1	0	0.65	0.60	10.25
20		9.3	9.30	0	0	0.64	0.64	9.94
21		10.0	10.00	0	0	0.55	0.54	10.54
22		n.s.		n.s.				
23		n.s.		n.s.				
24		n.s.						

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1917phae.proj.10820

Sheet-11

Wednesday January 16, 1918.

182

Scale n. Ac Plates. N.S. Regions. D6. YELLOW Copied 23:182

1010 am 11567. Exp 36m

		ac 2	ac 3	ac 3	Diff	Cu.	
		7.1					
1	7.5	7.1	7.10	00	-.078	-.077	6.33
2	8.0 8.4	8.2	8.10	11	-1.17	-1.09	7.01
	7.0		703	021			
3	7.4	7.2		6.9	-.066	-.074	6.29
	6.4		6.48	2.02			
4	6.7 7.1	6.8	6.3		-.057	-.054	5.94
	68		9.30	00			
5		9.3	9.3		-.139	-.147	7.83
			9.30	00			
6		9.3	9.3		-.150	-.147	7.83
			9.20	00			
7		9.2	9.2		-1.48	-1.42	7.78
			875	21			
8		8.6	8.9		-.117	-1.29	7.46
			975	01			
9		9.8	9.7		-.157	-.157	8.18
10		ns	ns		,	,	,
11		ns	ns		,	,	,
12		7			,	,	,
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Does not show ft stars. Ident diff.

1025

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Shue-11

Wednesday January 16, 1918

Series N AC Plates. H.S. Regions D7. YELLOW Copied 23:188

1110 AC 160921

	pc1	pc3	pc3	Diff		Cu.	
1	5.1 5.5	5.4	5.25	± 2	193	1.71	6.96
2	5.7 6.1	5.7	5.70	0 0	1.50	1.52	7.22
3	6.3 6.7	6.1	6.20	1 ±	1.36	1.32	7.52
4	6.3 6.7	6.3	6.30	0 0	1.45	1.30	7.60
5	5.8 6.2	5.6	5.70	1 ±	1.30	1.52	7.22
6	5.5 5.9	5.6	5.55	± 0	1.41	1.57	7.12
7	6.7 7.1	6.7	6.70	0 0	0.90	1.16	7.86
8	6.4 6.8	6.1	6.25	2 ±	1.42	1.31	7.56
9	6.7 7.1	6.7	6.70	0 0	1.02	1.16	7.86
10	7.4 7.8	7.3	7.35	0 ±	1.09	0.97	8.32
11	6.9 7.3	6.7	6.80	1 ±	1.01	1.12	7.92
12	7.9 8.3	8.1	8.00	± 1	0.96	0.83	8.83
13	8.3 8.7	8.4	8.35	± 0	0.97	0.78	9.13
14	7.8 8.2	7.9	7.85	0 1	0.76	0.87	8.72
15	8.4 8.8	8.5	8.45	0 1	0.95	0.77	9.22
16	8.3 8.7	8.21	8.25	1 0	0.71	0.80	9.05
17		9.20 0 0 9.21	9.21		0.46	0.68	9.88
18		9.55 ± 0 9.5	9.6		0.65	0.63	10.18
19		9.40 0 0 9.4	9.4		0.90	0.65	10.04
20		9.50 0 0 9.5	9.5		0.58	0.63	10.13
21		ms.	ms.		,	,	,
22		ms.	ms.		,	,	,
23		10.1			0.56	0.58	10.68
24		ms.			,	,	,

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Shell II

Wednesday January 16, 1918.

Scale N Ac Plates N.S. Regions. D7 - YELLOW Copied 23:188

Ac 17335

	acA	$ac A^3$	mc3	Diff	Cu.	
1	6.6 (6.2)	5.9	6.16 00	1.02	0.82	6.98
2	6.9 (6.5)	6.4	6.45 1 0	0.75	0.79	7.24
3	7.4 (7.0)	6.9	6.95 0 1	0.61	0.68	7.63
4	7.4 (7.0)	6.8	6.90 1 1	0.85	0.69	7.59
5	6.8 (6.4)	6.4	6.40 0 0	0.60	0.79	7.19
6	6.7 (6.3)	6.4	6.35 1 0	0.61	0.80	7.15
7	7.6 (7.2)	7.4	7.30 1 1	0.30	0.62	7.92
8	7.3 (6.9)	6.8	6.85 1 0	0.82	0.70	7.55
9	7.6 (7.2)	7.4	7.30 1 1	0.42	0.62	7.92
10	8.2 (7.8)	7.7	7.75 0 1	0.69	0.60	8.35
11	7.5 (7.1)	7.2	7.15 1 0	0.66	0.64	7.79
12	8.5 (8.1)	8.3	8.20 1 1	0.76	0.60	8.80
13		8.7	8.75 1 0 8.8	0.57	0.60	9.35
14	8.4 (8.0)	8.2	8.10 1 1	0.52	0.60	8.70
15		8.6	8.60 8.6	0.80	0.60	9.20
16	8.6 (8.2)	8.4	8.30 1 1	0.66	0.60	8.90
17		9.1	9.10 0 0 9.1 9.55 1 2	0.56	0.60	9.80
18		9.7	9.4	0.65	0.62	10.17
19		9.3	9.30 0 0 9.3	1.00	0.61	9.91
20		9.3	9.25 1 0 9.2	0.83	0.60	9.85
21		9.1	9.75 1 0 9.8	0.49	0.64	10.39
22		n.s.	n.s.	,	,	,
23		n.s.		.	.	.

1153

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Sheet-11

Wednesday January 16, 1918.

Scale IV RC Plates N.S. Regions DB. YELLOW Copied 23:194

2 35 RC 17578

	RC 1	RC 2	RC 3	Diff	Cu.	
1	6.8	6.1	6.30	1 1	1.28	1.23	7.53
2	7.2	6.4	6.62	2 2	1.08	1.11	7.73
3	6.6	6.3	6.25	0 1	1.17	1.24	7.49
4	7.2	6.4	6.63	2 1	0.87	1.11	7.74
5	7.1	6.5	6.60	1 1	1.40	1.12	7.72
6	7.4	6.8	6.90	1 1	1.04	1.04	7.94
7	7.5	7.1	7.10	0 0	0.88	0.96	8.06
8	7.4	6.9	6.95	0 1	0.93	1.01	7.96
9	7.5	6.8	6.95	1 2	1.04	1.01	7.96
10	7.7	7.4	7.35	1 0	1.07	0.90	8.25
11	8.1	8.1	7.90	2 2	0.89	0.83	8.73
12	7.8	7.5	7.45	0 1	0.90	0.88	8.33
13	7.6	7.6	7.40	2 2	0.66	0.89	8.29
14	7	8.7			0.87	0.82	9.52
15		9.1	8.95 1 2	8.8	0.71	0.83	9.78
16		8.7	8.70 0 0	8.7	0.98	0.82	9.52
17		9.4	9.25 2 1	9.1	0.55	0.87	10.12
18		9.4	9.50 1 1	9.6	1.17	0.92	10.42
19		9.4	9.40 0 0	9.4	0.90	0.90	10.30
20		9.4	9.35 0 1	9.3	0.94	0.89	10.24
21		9.5	9.45 1 0	9.4	1.03	0.90	10.35
22		~~9.5~~	~~9.4~~		"	"	"
23		9.7	9.70 0 0	9.7	1.04	0.97	10.67
24		9.8	9.75 0 1	9.7	0.81	0.99	10.74
25		ns	ns		"	"	"
26		ns	ns		"	"	"

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Sheet 11

Wednesday January 16, 1918.

Scale n. 320 — Ac Plates. H.S. Regions 58. — YELLOW — Copied 23:194

AC 16073

	ac 7	ac 3	Diff	Cw	
1	5.7 6.1	5.5	5.60 1 1	1.98	1.95 7.55
2	6.0 6.4	5.6	5.80 2 2	1.90	1.86 7.66
3	5.9 6.3	5.8	5.85 1 0	1.57	1.83 7.68
4	6.0 6.4	5.8	5.90 1 1	1.60	1.80 7.70
5	6.7 7.1	6.2	6.45 3 2	1.55	1.48 7.93
6	6.5 6.9	6.3	6.40 1 1	1.54	1.50 7.90
7	6.7 7.1	6.6	6.65 1 0	1.33	1.40 8.05
8	6.1 6.5	6.3 7+ w.s	6.20 1 1	1.68	1.60 7.80
9	6.6 6.9	6.5	6.50 0 0	1.49	1.45 7.95
10	7.0 7.4	7.0	7.00 0 0	1.42	1.28 8.28
11	7.3 7.7	7.6	7.45 1 2	1.34	1.21 8.66
12	7.2 7.6	7.1	7.15 0 1	1.20	1.25 8.40
13	7.0 7.4	7.1	7.05 0 1	1.01	1.27 8.32
14	8.4 8.8	8.1	8.55 2 1	1.02	1.08 9.63
15	7+	8.6	8.50 1 1 8+	1.16	1.08 9.58
16	8.4 8.8	8.3	8.35 0 1	1.33	1.10 9.45
17		8.8	8.65 2 1 8.5	1.15	1.07 9.72
18		9+	9.35 0 1 9.3	1.32	1.03 10.38
19		9.2	9.30 1 1 9.4	1.00	1.03 10.33
20		9.4	9.35 0 1 9.3	0.94	1.03 10.38
21		9.3	9.30 0 0 9.3	1.18	1.03 10.33
22		w.s.	w.s.	,	, ,
23		7+	7+	,	, ,
24		9+	9.55 2 1 9.1	0.95	1.03 10.58
25		w.s.?	w.s.?	,	, ,
26		w.s.		,	, ,

? hardly a peak

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Sheets 1 2

Friday, January 18, 1918.

Scale M Ac Plates. N. S. Regions Dq — YELLOW Copied 23, 200

1010 Ac 16550

	pg1	sc1	sc2	Diff	Cu.	7.03
1	6.9	7.1	7.15 1 0	-.019	-.012	
2		7.4	7.35 0 1 / 7.3	.011	-.010	7.25
3		7.4	7.45 0 1 / 7.5	.003	-.008	7.37
4		7.4	7.40 0 0 / 7.4	-.023	-.009	7.31
5		7.6	7.70 1 1 / 7.8	.022	.000	7.70
6		8.0	8.05 0 1 / 8.1	.021	.009	8.14
7		8.4	8.40 0 0 / 8.4	.014	.020	8.60
8		7.5	7.50 0 0 / 7.5	-.017	-.007	7.43
9		7.5	7.40 1 1 / 7.3	-.027	-.010	7.30
10		8.6	8.65 0 1 / 8.7	.027	.025	8.90
11		8.8	8.80 0 0 / 8.8	.026	.031	9.11
12		8.8	8.75 0 1 / 8.7	.061	.030	9.05
13		8.5	8.40 1 1 / 8.3	.030	.020	8.60
14		9.1	8.95 1 2 / 8.8	.051	.036	9.31
15		9.1	9.00 1 1 / 8.9	.038	.039	9.39
16		9.3	9.25 1 0 / 9.2	.047	.048	9.73
17		8.7	8.65 1 0 / 8.6	-.007	.026	8.91
18		9.4	9.30 1 1 / 9.2	.039	.050	9.80
19		9.4	9.45 0 1 / 9.5	.061	.057	10.02
20		qf	qf	,	,	,
21		qf	9.30 0 0 / qf	,	,	,
22		9.3	9.3	.020	.050	9.80
23		qf	qf	,	,	,
24		us?		,	,	,

many defects, pinholes + plate fogged but images are good

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Sheet 12

Friday January 18, 1918.

Scale m Ac Plates. H.S. Regions. Dq - YELLOW Copied 23:200

Ac 17362

	sc.1	sc.2	sc.2	Diff.	Cu.	
1	6.9 6.7	6.9	6.9000	0.06	0.05	6.95
2	~~7.2~~ 7.2	7.2		0.26	0.06	7.26
3	7.0	7.2	7.2000	0.28	0.06	7.26
			7.45 48			
4	7.8	7.8	7.1	-0.28	0.07	7.52
			7.60 1 1			
5		7.5	7.7	0.32	0.08	7.68
			8.05 1 0			
6		8.1	8.0	0.21	0.11	8.16
			8.20 1 1			
7		8.3	8.1	0.34	0.13	8.33
			7.30 0 0			
8		7.3	7.3	0.03	0.06	7.36
			7.35 0 1			
9		7.4	7.3	-0.22	006	7.41
			8.70 0 0			
10		8.1	8.1	0.22	0.19	8.89
			8.80 0 0			
11		8.8	8.8	0.26	0.21	9.01
			9.25 0 1			
12		9.2	9.3	0.11	0.26	9.51
			8.55 2 1			
13		8.4	8.1	0.15	0.18	8.73
			9.15 0 1			
14		9.2	9.1	0.31	0.26	9.41
			9.10 0 0			
15		9.1	9.1	0.28	0.25	9.35
			9.45 1 0			
16		9.5	9.4	0.27	0.29	9.74
			8.55 0 1			
17		8.6	8.5	0.03	0.18	8.73
			9.45 1 0			
18		9.5	9.4	0.24	0.29	9.74
			9.50 2 2			
19		9.3	9.1	0.56	0.30	9.80
20		4.	4	,	,	,
21		9	9.20 0 0	,	,	,
22		9.2	9.2	0.30	0.26	9.46
23		n.s.	n.s.	,	,	,
24		n.s.	n.s.	,	,	,

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Sheet 12

Monday
~~Friday~~ January 28 ~~18~~, 1918.

Scale N
1110

Ac Plates S.S. Regions. D10 — YELLOW
Copied 23:206

AM9829

	sc.1	sc.2	sc.3	Diff	Cw.	7.00
	7.7					
1	8.1	7.7	7.70 0 0	-.076	-0.70	
	6.4					
2	6.8	6.4	6.40 0 0	-.009	-0.10	6.30
	8.5					
3	8.9	8.7	8.60 1 1	-1.32	-0.95	7.65
	8.3		8.6			
4	8.7	8.7	8.45 1 2	-0.80	-0.91	7.54
			8.25 2 1			
5		8.4	8.1	-0.64	-0.38	7.87
			9.15 0 1			
6		9.2	9.1	-1.05	-1.03	8.12
			9.20 1 1			
7		9.3	9.1	-1.04	-1.04	8.16
			9.80 2 2			
8		10.0	9.6	-1.32	-1.12	8.68
		9.70 1 1				
9		9.6	9.8	-0.69	-1.11	8.59
10	7.8	7.8	7.80 0 0	-0.74	-0.74	7.06
11	8.6	8.5	8.55 0 1	-1.17	-0.95	7.60
			9.75 0 1			
12		9.8	9.7	-1.08	-1.12	8.63
			8.65 1 0			
13		8.7	8.6	-0.80	-0.96	7.69
			8.55 0 1			
14		8.6	8.5	-1.01	-0.95	7.60
15		n.s.	‡	,	.	,
			9.15 0 1			
16		9.2	9.1	-1.10	-1.03	8.12
17		‡	‡	,	.	.
			9.60 0 0			
18		9.6	9.6	-0.97	-1.09	8.51
19		n.s.	‡	,	.	
20		n.s.	n.s.	,	.	
21		n.s.	n.s.	,	.	

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Sheet 12

Monday January 28, 1918

Scale M ac Plates H.S. Regions. D11 YELLOW Copied 23:212

ac 14375

	pc 1	pc 2	Diff	Cu.	
1	7.00 64 6.8	7.2 7.10 1.1. 8.05 1.2	-0.85	-0.78	6.32
2		7.9 8.21	-0.51	-0.47	7.58
3	69 6.7	7.2 7.05 1.2 7.80 0.0	-0.77	-0.80	6.25
4		7.8 7.8	-0.36	-0.55	7.25
5	7.50 0.0	7.5 7.5 7.60 0.0	-0.69	-0.66	6.84
6		7.6 7.6 8.00 2.2	-0.22	-0.62	6.98
7		7.8 8.2 7.80 0.0	-0.23	-0.47	7.53
8		7.8 7.8 8.50 0.0	-0.41	-0.55	7.25
9		8.5 8.5 8.10 0.0	-0.18	-0.27	8.23
10		8.1 8.1 8.35 1.0	-0.54	-0.45	7.65
11		8.3 8.4 8.65 0.1	-0.66	-0.35	8.00
12		8.6 8.1 8.35 1.0	-0.26	-0.26	8.39
13		8.3 8.4 9.10 0.0	-0.69	-0.35	8.00
14		9.1 9.1 9.60 1.1	0.06	-0.12	8.98
15		9.5 9.7 9.40 0.0	0.00	0.03	9.63
16		9.4 9.4 9.20 0.0	-0.42	-0.05	9.35
17		9.2 9.2 9.65 1.0	-0.24	-0.09	9.11
18		9.7 9.6	-0.04	0.03	9.68
19		9.3 9.5 9.75 0.1	0.33	-0.07	9.23
20		9.8 9.7 9.75 0.1	-0.10	0.06	9.81
21		9.8 9.7 9.40 0.0	0.11	0.06	9.81
22		9.4 9.4	0.27	-0.05	9.35
23		7 7 9.60 0.0	"	"	"
24		9.6 9.6	-0.06	0.03	9.63
25		ns. ns.	"	"	"
26		ns. ns.		"	"

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Shell 12

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Scale m ac Plates. H.S. Regions. D11 - YELLOW Copied 23.212

a m10746

	ac.1	ac.2	pc.2	Diff	Cu.	
	7.1	7.10 00				
1	6.9		7.1	-0.85	-093	6.17
		9.20 0 0				
2	9.2	9.2		-1.66	-1.47	7.73
		7.40 0 0				
3	7.4	7.4		-1.23	-0.99	6.41
		8.70 0 0				
4	8.7	8.7		-1.26	-1.30	7.40
		7.85 0 1				
5	7.8	7.9		-1.04	-1.08	6.77
		8.40 0 0				
6	8.4	8.4		-1.02	-1.22	7.18
		9.30 1 1				
7	9.2	9.4		-1.53	-1.49	7.81
		8.60 0 0				
8	8.6	8.6		-1.21	-1.27	7.33
		9.90 1 1				
9	10.0	9.8		-1.58	-1.52	8.38
		8.85 0 1				
10	8.8	8.9		-1.29	-1.34	7.51
		9.15 1 0				
11	9.1	9.2		-1.46	-1.42	7.73
		9.80 2 2 0				
12	9.6	10.0	9.8	-1.41	-1.52	8.28
		9.30 0 0				
13	9.3	9.3		-1.64	-1.49	7.81
14	7.	7.		,	,	
15	n.s.	n.s.		,	,	
16	n.s.	n.s.		,	,	
17	n.s.			,	,	
18	n.s.			,	,	
19	n.s			,	,	
20						
21						
22	n.s.					
23						
24						

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Shut-13

Monday January 28, 1918.

Salem Ac Plates H.S. Region. D12 YELLOW Cofaid 23.2.18

~~Ac 1252~~ + am 10862.

	ac 1	ac 2	ac 2	Diff	Cu	
			8.90 00			
1	8.9	8.9		-1.32	-1.38	7.52
			7.40 00			
2	7.4	7.4		-1.40	-1.39	6.01
			8.55 10			
3	8.5	8.6		-1.37	-1.38	7.17
			9.50 00			
4	9.5	9.5		-1.50	-1.41	8.09
			8.50 00			
5	8.5	8.5		-1.36	-1.37	7.13
			9.25 10			
6	9.3	9.2		-1.49	-1.40	7.85
			9.45 01			
7	9.4	9.5		-1.35	-1.40	8.05
			10.05 10			
8	10.1	10.0		-1.53	-1.44	8.61
9	ns.	4.		,	,	.
			9.95 10			
10	9.9	10.0		-1.43	-1.44	8.51
11	ns.	ns.		.	,	.
			9.90 11			
12	9.8	10.0		-0.96	-1.44	8.46
			10.00 00			
13	10.0	10.0		-1.58	-1.44	8.56
14	ns	ns		,	,	,
15	10.1	4.		-0.60	-1.44	8.66
16	ns.	ns		,	,	.
16a	ns.	ns.		.	,	,
17						
18						
19						
20						
21						
22						

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Stud. 13

Monday January 28, 1918

Scale M Ac Plates. H.S. Regions D 12. YELLOW Copied 23:218

Am 11 254

	Ac.1	Ac.2	Zc.2		Cu.	
			9.55 1.0			
1	9.5	9.6	-1.97	-2.09		7.46
	7.90	0.0				
2	9.9	9.9	-1.90	-1.90		6.00
	9.25	0.1				
3	9.2	9.3	-2.07	-2.01		7.24
4	f	f	,	,		,
	9.05	1.0				
5	9.1	9.0	-1.91	-1.98		7.07
	10.10	1.1				
6	10.21	10.0	-2.34	-2.27		7.83
7	f	f.	,	,		,
8	ns.	ns.	,	,		,
9	ns.		,	,		,
10	ns.		,	,		,
11						
12						
13						
14						
15						
16						
16a						
17						
18						
19	Plate does not show f stars.					
20						
21						
22						
23						

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Friday ~~7~~ February 1. 1918.

Scale, M- am 0 Sales H.S. Regions E1- YELLOW
215 am 10175

	sc.1	sc.2	sc.3
1		7.4	7.5
2		8.6	8.6
3	6.3		6.3
4		7.8	8.0
5		7.4	7.5
6		8.5	8.5
7		8.8	9.1
8		9.5	9.4
9		8.8	8.8
10		7.2	7.4
11		4.	4.
12		8.4	8.4
13		9.6	9.6
14		4	4.
15		n.s.	n.s.
16		n.s.	n.s.
17			
18			
19			
20			
21			

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Friday February 1, 1918.

Scale 2 Am Plates H.S. Regions E1–

Am 12723

	Sc.1	Sc.2	Sc.3
1		8.9	8.9
2		9.6	9.7
3	8.4		8.1
4		9.5	9.4
5		8.8	8.8
6		9.8	9.7
7		n.s.	?.
8		n.s.	n.s.
9		10.0	?.
10		8.9	9.1
11		n.s.	n.s.
12			
13			
14			
15			

240

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Tuesday
~~Friday~~ February 5, 1918.

Scale 11 55 — a m 1 2 7 16 — a m P plates — H. S. Regions. — E 2 - YELLOW — Exp. 60 m.

	sc 1	sc 2	sc 3
1	8.3	78	
2	8.4	78	79
3		9.2	9.1
4		9.1	9.1
5		8.8	8.8
6		9.6	96
7		9.5	9.5
8		9.2	9.1
9		9.4	9.1
10		7-	100 ##
11		10.0	9.8
12		10.1	10.0
13		9.6	9.7
14		7.	7.
15		ns.	ns.
16		ns.	

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62

Tuesday February 5, 1918.

Scale V Am Plates H.S. Regions. E2. YELLOW

Am 10744

	pc 1	pc 2	pc 2
			7.4
1		7.4	~~8.7~~ ms.
2		7.5	7.4
3		8.6	~~7.4~~ 8.7
4		8.6	8.6
5		8.1	7.8
6		9.5	9.4
7		9.3	9.4
8		8.6	8.7
9		9.6	9.4
10		f.	f.
11		10.0	9.8
12		9.7	9.7
13		9.7	9.7
14		ms.	f.
15		ms.	ms.
16			
17			
18			

12:10

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Tuesday February 5, 1918.

Scale n 1230 — Am Plates Am 11726 — H. S. Regions E3- YELLOW

	sc. 2	sc 3	sc 4
1	8.7-	8.8	
2	8.7[8]		8.6
3		9.1	9.1
4		9.1	9.3
5		9.4	9.1
6		9.8	10.0
7		9.7	9.5
8		10.0	10.0
9		7-	7
10		7-	7
11		9.4	9.5
12		7	7-
13		n.s.	n.s.
14		n.s.	n.s.
15			
16		n.s.	
17			
18			

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Tuesday February 5, 1918.

Scale V Am Plates. N.S. Regions E 3.

Am 11734

No.	Δc_x^3	Δc_y^3	Δc^3
1	9.2	9.1	
2	8.8	9.2	
3	9.4	9.4	
4	9.3	9.1	
5	9.4	9.4	
6	9.6	9.5	
7	9.6	9.7	
8	10.0	9.8	
9	✗	✗	
10	n.s.	n.s.	
11	9.4	9.7	9.6
12	10.0	10.1	
13	ns	ns	
14	ns	n.s.	
15			
16			
17			
18			
19			

1950

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1917phae.proj.10820

Tuesday February 12, 1918.

C8 YELLOW

Vale m. A C Plates. H.S Regions Remeas. of pl. with different scale.
Copied 23, 22

9/ AC 17532 See 020: 205.

	Sc 1	Sc 2	Sc 3		Cu.	
	7.1					
1	6.9	6.95 1 2 7.30 1 1	6.8	0.04	-.030	6.65
2		7.4 7.80 00	7.2	-.006	-.021	7.09
3		7.8 7.15 0 1	7.8	0.28	-0.01	7.79
4	7.0	7.2	7.1	-0.27	-0.26	6.89
5	6.8	7.00 0 0 7.50 00	7.0	-0.28	-0.29	6.71
6		7.5 8.10 00	7.5	-0.36	-0.12	7.38
6a		8.1 8.30 00	8.1	0.26	0.12	8.22
7		8.3 7.85 0 1	8.3	,	0.22	8.52
8		7.8 8.35 0 1	7.9	-0.01	0.00	7.85
9		8.4 8.70 00	8.3	-0.08	0.25	8.60
10		8.1 8.80 00	8.1	0.67	0.50	9.20
11		8.8 8.65 0 1	8.8	0.38	0.55	9.35
12		8.6 8.65 0 1	8.1	0.09	0.43	9.08
13		8.6 8.75 1 0	8.1	0.12	0.43	9.08
14		8.1 9.15 1 0	8.8	0.71	0.54	9.29
15		9.1 9.15 0 1	9.2	0.75	0.83	9.98
16		9.2 8.90 1 1	9.1	0.97	0.83	9.98
17		9.0 9.40 00	8.8	0.46	0.62	9.52
18		9.4 9.20 00	9.4	0.90	1.03	10.43
19		9.2 9.15 1 2	9.2	0.75	0.88	10.08
20		9.3 9.30 2 2	9.0	0.61	0.83	9.98
21		9.1	9.5	1.64	0.93	10.23
22		9	9	,	,	,
23		n.s.	ns	,	,	,
24		n s.	n s.	,	,	,

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Tuesday February 12, 1918.

YELLOW

Scale M am Plates. H.S. Region E4 - Ex 66m.

am 9832

	pc 1	pc 2	pc 2
1	6.3	6.5	6.5
2		8.8	9.1
3		9.7	9.6
4		7.7	9.8 poor
5		7.7	7.9
6		9.89	10.0
7		9.7	9.8
8		ns.	ns.
9		ns.	ns.
10		ns.	
11		ns.	
12			
13			
14			
15			
16			
17			
18			
19			
20			

No scale confers well with these images.

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Tuesday February 12, 1917.

Scale η Am Plates H.S. Region E+ YELLOW
Am 11728 Exp. 30m

	sc 1	sc 2	sc 3
1	7.3	6.7	6.6
2		9.1	9.2
3		9.4	9.3
4	8.2		7.9
5		8.2	7.9
6		9.4	9.4
7		9.4	9.5
8		ns	ns
9		ns.	ns.
10		ns.	
11		ns.	ns.
12		ns.	
13		9.6	9.5
14		ns.	ns

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1917phae.proj.10820

Tuesday February 12, 1918.

Scale N Am Plates. N.S. Regions E5-. YELLOW

Am 11644

	sc.1 ✓	sc.2 3	sc.3
1		7.7	7.8
2		7.3	6.8
3		8.6	8.5
4	7.5	6.9	6.8
5		8.6	8.6
6	8.5	8.1	8.2
7	8.4 9	8.4	8.4
8		9.5	9.5
9		9.6	9.4
very ff + small 10		10.0	10.0
11		f.	ns?
12		ns.	ns
13		9.4	9.6
14		ns.	ns
15		ns.	
16		ns	
17			
18			
19			
20			

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Tuesday February 12, 1918.

Scale m a m Plates H.S. Regions E5 YELLOW

a m 12 9 18

	pc 2	pc 3	pc 2
1	7.1		7.3
2	6.8		6.4
3	8.5		8.1
4	6.9		6.4
5	8.5		8.1
6	7.8		7.7
7	8.4		7.9
8		9.1	9.1
9		9.1	9.2
10		9.2	9.4
11		9.7	9.7
12		7.	
13		8.9	9.1
14		ns.	ns.
15		ns.	ns.
16		10.1	10.1
17		ns.	ns.
18		ns.	ns.

10 30

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1917phae.proj.10820

Wednesday February 13, 1918.

Scale N 8 30 — Am Plates Amq950 — H.S. Regions. E 86 - YELLOW

	sc 1	sc 2	sc 3
1	7.5	7.3	
2	8.6	8.4	
3	8.8	8.4	8.4
4		8.9	9.1
5	7.9		7.85
6		8.9	9.1
7		9.8	9.8
8		?	?
9		10.1	10.0
10		10.0	9.8
11		ns.	ns.
12		ns.	ns.
13		ns.	ns.
14		?	?
15		~~100~~ ns.	
16		ns.	ns
17		ns.	
18			
19			
20			

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Wednesday February 13, 1918

Scale N Am Plates. H.S. Regions. E6 YELLOW

Am. 11639-

	sc2	sc3	
1	6.9	6.5	
2	8.4	7.9	
3	8.1	7.8	
4	8.6	8.3	
5	7.7	6.8	
6	8.6	8.2	
7		9.5	9.7
8		10.0	9.8
9		9.5	9.7
10		9.4	9.4
11		f-	ns
12		n.s.	ns
13		n.s.	ns
14			
15			
16			
17			

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Wednesday February 13, 1918

Scale N Am Plates. H.S. Regions. Ay & YELLOW 30m Exp.

Am 11640

	pc.1	sc.3	sc.5
1	9.9	9.4	
2		8.6	8.7
3	8.6	8.4	
4		dbl.	dbl.
5		9.1	9.4
6		9.3	9.4
7		9.1	10.0
8		7	7
9		9.4	9.4
10		~~9.8~~ ns	ns.
11		7	7
12		9.1	9.1
13		~~9.5~~ 9.3	9.4
14		7.	7
15		ns.	ns
16			

Images very tiny.

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Wednesday February 13, 1918.

Scale 2 Am Plates. H.S. Regions. Ex- YELLOW
Am 11970

	sc 1	sc 2	sc 3
1	8.6		8.4
2		9.2	8.9
3		8.8	8.8
4		dbl.	dbl.
5		9.6	9.6
6		9.6	9.7
7		9.7	9.6
8		9.7	9.7
9		9.6	9.6
10		1-	1
11		9.7	9.7
12		9.3	9.3
13		9.5	9.8
14		n.s.	n.s.
15		n.s.	n.s.
16		n.s.	n.s.

Difficult to meas- images are so small and few.

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74

Wednesday February 13, 1918.

Scale N Am Plates. H.S. Regions. E8 - YELLOW

Am 12023 Exp 60m.

	sc1	sc2	sc3
1		9.3	9.5
2		9.7	
3		9.4	96
4	8.4		83
5		9.4	94
6		ns.	ns.
7	8.4		83
8		4	4
9		99	99
10		dbl.	dll
11		ns.	ns.
12		9.8	99
13		96	96
14		4	4.
def? 15		4.9	.
16		9.7	98
17		ns.	ns.
18		ns.	ns.
19		ns.	

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Wednesday February 13, 1918.

Scale N. a m Plates H.S. Regions. E8. YELLOW
a m 11024

	pc2	pc3	pc3
1	8.8		8.2
2	8.8		8.5
3	8.9		8.3
4	7.6		6.8
5	8.6		8.6
6		9.4	9.4
7	7.6		
8		9.1	9.2
9		8.8	8.6
10		dbl.	—
11		9.2	9.3
12		8.6	8.8
13		8.6	8.7
14		9.1	9.1
15		f.	10.0?
16		8.9	8.8
17		f.	f.
18		9.9	10.0
19		ns.	ns
20		ns.	ns

10 20
15 out for changing plates & lost sight of plates

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Friday February 15, 1918.

Scale P Am Plates. H.S. Regions. Eq- YELLOW
Am 10242 Exp 66m.

	no.1	ec.2	pc.2
1		7.9	8.3
2		7.3	7.3
3		7.4	7.3
4		7.7	8.1
5		8.8	8.7
6		9.5	9.5
7		9.4	9.6
8		9.3	9.4
9		ns.	ns.
10		ns.	ns.
11		ns.	
12		ns.	
13		ns.	
14			
15			
16			
17			
18			

Few stars and very faint.

4 other plates of 20 + 30m Exp. examined, and only 4 stars are seen.

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1917phae..proj..10820

Friday, February 15, 1918.

Scale P. Am Plates H.S. Regions Eq. YELLOW

Am 10164

	sc.1	sc.2	sc.3
1		8.6	8.6
2		7.8	7.9
3		7.9	7.8
4		8.1	8.6
5		9.4	9.3
6		n.s.	n.s.
7		7?	7?
8		7-	7-
9		n.s	n.s.
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Poor plate

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Friday February 15, 1918

Scale V Arm Plates. N.S. Regions. f3 YELLOW

QM11033

	Sc 1	Sc 2	Sc 3
1	7.3		7.3
2	7.4		7.4
3	8.3		8.3
4	8.4		8.4
5	7.7		7.7
6	8.8		8.6
7	8.6		8.6
8	8.8		8.7
9	9.4		9.2
10	8.4		8.3
11	9.1		9.2
12	9.4		9.4
13	9.7		9.6
14	8.8	8.7	8.7
15	10.0		9.8
16	9.7		9.6
17	7.?		7.
18	ns.		ns.
19	9.4 9f		9.5? 9f
20	ns.		ns
21	ns.		ns.

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Friday February 15, 1918.

Scale ~~N~~ n a m Plates. H.S. Regions. F3. YELLOW

a'm 13243

	sc.1	sc.2	sc.2	sc.2	sc.3	sc.2
1		9.6		7.4		6.7
2				7.5		7.1
3		8.8		8.8		8.7
4		8.8		8.7		8.5
5				7.9		7.7
6					8.6	8.7
7					8.8	8.7
8		8.8	8.8		8.6	8.7
9		9.6	9.4		9.4	9.4
10		8.7		8.6		8.3
11		9.4			9.3	9.4
12		9.4 7.8			9.5	9.3
13		10.0			9.8	10.1
14		8.8			8.8	8.7
15					~~9.8~~ 7.	7.
16					9.8	9.7
17					7.	7
18					ns.	ns.
19					9.5	9.6?
20					ns.	ns.
21					ns.	ns.

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Wednesday February 27, 1918.

Scale M
1:40

For Wolf's Nova. – Comparison Stars. all corr +.19 −.03

Mc 14538

07 22 06

P.C.

		pc.1	sc.2	Cu	Magn	pc.1	sc.2	Cu.	Magn
2	a			.		6.6 6.4	6.7 0 1 6.8	− 0.19	6.51
7	a'			.		6.7	7.4 6.7 0 0	− 0.24	7.16
3	b*			.		6.5	6.7	− 0.19	6.51
4	b'			.			7.2 6.9 0 0	− 0.21	6.99
5	c			.		6.7	6.9	− 0.20	6.70
6	d			.			7.6	− 0.26	7.34
8	e			.			7.7	− 0.27	7.43
15	e'			.			8.8	− 0.33	8.47
10	e²			.			8.7	− 0.34	8.36
13	e³			.			9.2	− 0.33	8.87
9	f			.			8.1	− 0.30	7.80
11	g	B.		.			8.5 pow	− 0.34	8.16
12	g'	4.6 4.4		3.89	8.49		8.7	− 0.34	8.36
14	h	4.8 4.6		3.88	8.63		8.7? vp.	− 0.34	8.36?
16	h²	5.5 5.3	5.4	3.72	9.17		9.3	− 0.33	8.97
17	l	5.7 5.5 5.9 5.7	5.8 5.6 3 1 1 1	3.65	9.60		9.4? pow	− 0.32	9.08?
18	m	6.3 6.1	6.3 6.3 0 0	3.59	9.89		7.	.	.
19	m	6.6 6.4	6.5 6.5 0 1	3.56	10.11		7. + vp.	.	.
25	m'		7.8 7.7 7.7 5 0 1	3.54	11.29		n.s.	.	.
22	m²		7.3	3.52	10.82				
20	o	7.1 6.9	7.2 7.8 0 1	3.52	10.72				
24	p		7.5 7.6 7.5 5 0	3.53	11.08				
26	q		7.8 8.1 7.9 5 1	3.58	11.53				
23	r		7.5 7.5 7.5 0 0	3.52	11.02				
21	s		7.5 7.4 7.4 5 1 0	3.52	10.97				
27	t		8.1 8.1 8.1 0 0	3.60	11.70				

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Wednesday, February 27, 1918

Scale m For Wolf's Nova. Comparison Stars

Mc 14538 cont.

		Δc 2	Δc 2			
		8.10	00			
28	u	8.1	8.1	3.60	11.70	
		8.60	00			
29	w	8.6	8.6	3.75	12.35	
		9.00	11			
30	x	9.1	8.9	3.93	12.93	
		9.15	10			
31	y	9.1	9.2	4.02	13.17	
		9.25	01			
32	z	9.2	9.3	4.06	13.31	
		9.25	01			
33	α	9.2	9.3	4.06	13.31	
	~~5~~	~~9.6~~				

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Wednesday February 7, 1918.

Scale ~~7.7~~ 1.0 For Wolf's Nova. Comparison Stars.

MC 14538 Diffr. Sm.

			g sc.1	g sc.2	h sc.1	h sc.2	sc.1	sc.2	sc	
Edge	2	a	6.9 q		7.1 q					
	7	a'	6.7	7.00 ± 1			7.1		−0.01	6.99
	3	b	6.0 5.8	6.05 01	6.1 5.9		6.5			
	4	b'	6.5 6.3	6.40 1 ±	6.4 6.1		7.2		0.01	6.41
	5	c	6.2 6.0	6.35 ± 1.65	6.2 6.3				0.01	6.36
Edge	6	d	q .		q					
	8	e		7.3 7.25 10		7.2	7.1		−0.01	7.24
	15	e'		8.6 8.55 01		8.5	8.8		0.15	8.70
	10	e²		8.1 8.10 00		8.1			0.02	8.12
	13	e³		8.7 8.65 10		8.6			0.18	8.83
	9	f		7.3 7.25 10		7.2	8.1		−0.01	7.24
	11	g	B.	8.2 8.20 00		8.2	8.5 from		0.04	8.24
	12	g'	4.4	8.4 8.30 1 ±		8.2	8.1		0.06	8.36
	14	h	4.6	8.6 8.55 01		8.5	8.7 v.f.		0.15	8.70
	16	he		8.7 8.75 ± 0		8.8			0.21	8.96
	17	l		8.8 8.80 00		8.8			0.23	9.03
	18	m	6.1	9.3 9.30 00		9.3			0.43	9.73
	19	n		9.7 9.60 1 ±		9.5			0.58	10.18
	25	n'		7.		7.			,	,
only trace seen.	22	n²		7.		10.0?			0.82	1082?
		o								
		p								
		q								
		r								
		s								
		t								

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Wednesday February 21, 1918.

Scale M for Wolf's Nova. Comparison Stars.
MC 14539 Pole.

	sc.1	sc.2	Diff
5	B.		.
6	B		.
8	42 4.0		4.03
9	50 4.8	5.2	5.10 1 3.73
10	53 5.1	5.3	5.30 00 3.72
11	39 5.7	5.7	5.80 1 3.75
12	62 6.0	6.3	6.25 01 3.61
13	67 6.5	6.8	6.75 1 0 3.55
14		7.2	7.15 01 7 3.50
15		7.4	7.45 01 5 3.63
16		~~8.0~~ 7.8	7.85 01 9 3.55
17		8.0	8.00 00 8.0 3.63
18		8.5	8.45 10 8.4 3.61
19		8.7	8.65 10 8.6 3.77
20		8.8	8.80 00 8.8 3.93
23		9.4	9.35 01 9.3 3.99
25		9.5	9.45 10 9.4 4.42
26		9.8	9.90 1 1 10.0 4.43
27		7.	7. .
28			

Diff. Im.

sc.1	sc.1	
6.5 6.3	6.45 1 8 6.4 6.2	0.04
sc.2 7.2	7.15 01 7.1	−0.04
8.2	8.20 00 8.2	0.03
8.1	8.65 10 8.6	0.18
8.8	8.75 01 8.7	0.27
9.2	9.20 00 9.2	0.35
9.4	9.40 00 9.4	0.46
9.7	9.70 00 9.7	0.60
9	9.8	0.85
7	7.	.
ns.	ns.	.

P.C.

sc.1	
6.7 6.5	− 0.21
sc.2 7.3	− 0.19
8.6	− 0.37
9.7	− 0.37
9.2	− 0.18
9.9	− 0.35
10.0?	− 0.14

225

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Thursday February 28, 1918

Scale 4 11.20

Comparison stars for Wolf's Nova Monoc. 1' plate.

MC 14540

alt. corr. -.05

	sc.1	sc.2	sc.3			P.C. sc.1	sc.2	sc.3			
a						5.4			5.4	.	
a'						6.8			6.8	.	
b						5.8			5.8	.	
b'						6.3		B.	6.3	.	
c						6.3		B.	6.3	.	
d						6.9	6.8		6.85	.	
e						7.3	7.2	7.4	7.30	−0.20	7.10
e'	3.4			3.4	.			9.3	9.3	−0.74	8.56
e²	B.				.			def?		.	.
e³	3.2			3.2	.	8.8 vr. scale		9.1	8.8 8.95	−0.66	8.29
f	B				.	8.2	7.9	7.8	7.85	−0.35	7.50
g	B				.			8.8	8.8	−0.60	8.20
g'	B				.			9.1	9.1	−0.69	8.41
h	3.5	B.		3.5	.			9.5?	9.5? nearly sup.	−0.80	8.70?
k	4.2	4.2 Rej		4.2	4.64	8.84			9.8	9.8	−0.92	8.88
l	4.4	4.5 Rej		4.4	4.57	8.97			10.0	10.0	−0.99	9.01
m	5.3	5.2		5.25	4.32	9.57			7?			
n	5.5	5.6		5.55	4.23	9.78						
n'		7.3	7.2 7.1	7.15	3.84	10.99						
n²	~~6.4~~	6.5	6.3 Rej	6.5	3.99	10.49						
o		6.4	B.	6.4	4.01	10.41						
p	6.4	6.7	6.6 poor	6.65	3.95	10.60						
q		7.2	7.1 7.2	7.15	3.84	10.99						
r		6.6	B.	6.6	3.95	10.55						
s		6.6	B.	6.6	3.95	10.55						
t		7.5	7.4 7.5	7.45	3.82	11.27						

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Thursday February 28, 1918.

Scale y 6. S. for Wolf's Nova Mon. Y' plate.
MC 14540 cont

	sc 2	sc 2	sc 3	sc 3			
u	8.3	8.0		7.9	7.95	3.80	11.75
w		~~8.8~~	8.8	8.4	8.60	3.78	12.38
x		8.5	8.2	8.7	8.45	3.78	12.23
y			8.8	8.8	8.80	3.77	12.57
z			9.4	9.5	9.45	3.74	13.19
a		~~7.4~~	9.4	9.5	9.45	3.74	13.19

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1917phae.proj.10820

Thursday February 28, 1918.

Scale 4. Comp. stars Wolf's Nova Mus. 1' plate.
MC 14540.

	g sc.1	g sc.2	g sc.3	h sc.1	h sc.2	h sc.3	g h	Cw.	
a	g	g		g			7 g 6.05 0.1	.	
a'	5.8	6.2		6.1			6.00 6.1	0.71	6.76
b	5.2	5.2		4.8 5.1	5.4 5.2		5.16 0.1 5.20 5.12	.	.
b'	5.2	5.3		5.4	5.4		5.32 5.25 5.40	.	.
c	5.5	5.5		5.4	5.4		5.45 5.50 5.40	.	.
d		g	g	g	g		g 6.45 g	.	.
e		6.4			6.5		6.4 65	0.61	7.06
e'		8.7 8.3	8.5		8.5 8.2		8.38 8.40 8.35	0.23	8.61
e²		7.9 7.7	7.6		7.8 7.6		7.68 7.65 7.70	0.31	7.99
e³		8.6 8.2	8.4		8.6 8.2		8.35 8.30 8.40	0.23	8.58
f		6.7	6.4 ~~6.5~~		6.5	6.2	6.45 6.55 6.35	0.61	7.06
g		8.2 7.9	8.1		8.3 8.0	8.1	8.02 0 8.00 8.05	0.26	8.28
g'		8.4 8.1	8.3		8.3 8.0	8.2	8.15 8.20 8.10	0.24	8.39
h		8.6 8.2	8.4		8.6 8.2	8.4	8.30 8.30 8.30	0.23	8.53
k			8.1		8.7	8.1	8.70 8.7 8.7	0.19	8.89
l			9.1 v.f.			8.9	9.00 9.1 8.9	0.18	9.18
m			9.2 v.f.			9.1	9.45 9.2 9.1	0.16	9.61
n			9.6			9.1	9.65 9.6 9.7	0.15	9.80
n'			7			7.	7 7	.	.
n²			9.6 g			10.2 ~~10.5~~	9.90 9.6 10.2	0.16	10.06
o			7				7		.
p			n.s.				n.s.		.
q									
r									

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1917phae.proj.10820

Thursday February 28, 1918.

Plate 450

Scale by L.S. Wolf's Nova Monoc. I plate.
MC 14540. Pole –

	sc.1	sc.2	sc.3		Diff
5					.
6					.
8	~~2.6~~ 7				.
9	4.21	4.1 Rej		4.2	463
10	4.5	4.5 Rej		4.5	452
11	~~5.1~~	5.3		5.20	435
12	5.5	5.5		5.50	436
13		6.3		6.3	400
14		6.1	6.1	6.70	395
15		7.3 7.2	7.4	7.30	378
16		7.8 7.6	7.6	7.60	380
17		7.9 7.7	7.9	7.80	383
18		8.7 8.3	8.3	8.30	376
19		8.9 8.5	8.6	8.55	387
20		~~8.9~~ 7	8.9	8.9	383
23			too nearly sup.		
25			10.2	10.2	367
26			10.3? ~~11~~	10.3?	403
27					
28					

Diffr. Inn.

sc.1	sc. 2 3	sc. 1 2 3		
5.6	5.6	5.6		089
6.4	6.7 6.60 6.5	6.7 6.50 6.3		056
8.4	8.1 8.20 8.3	8.4 8.1 8.15 8.2		005
8.7	8.4 8.35	8.9 8.5 8.50 8.5		041
	8.80 00			
8.8		8.8		022
9.2	9.25 01	9.3		030
9.6	9.60 00	9.6		026
10.4	10.40 00	10.4		– 010
†		†.		,

P.C.

sc.2	scr.	
7.4?	? 7.3?	– 086
7.5 7.4	7.2 ~~7.4~~ 7.30 7.25	– 019
	8.9 ~~9.2~~ 8.85 8.9	– 067
9.6	9.6	– 077
10.1	10.1	– 1.08
.7.		,
n.s.		,

1215

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Friday March 1, 1918

Copied 2'1:180

Scale m. b.s. Wolf's Var. YELLOW Alt. corr. -17

10:30 M 7 23621 Nova Monocerotis

		sc.1	sc.2	sc.2	Cu.		sc.1	sc.2	sc.1	sc.2	Cu.	
									7.35 L 0			
a	B			.			7.3		7.4		-2.21	5.14
								798 2 1 3 1				
a'	B.			.			8.2	8.1	7.7	7.9	-2.39	5.59
								795 2 1				
b	B			.			7.8		8.1		-2.38	5.57
b'	B.			.			8.6		9f		-2.54	6.06
								7.95 2 1				
c	B			.			7.8		8.1		-2.38	5.57
								9.10 0 0				
d	B			.			9.1		9.1		-2.63	6.47
								9.25 L 2				
e	4.6			2.36	6.96		9.1	9f	9.4		-2.65	6.60
	5.0							9.35 0 1				
e'	4.8	5.2	510	L 1 2.18	7.28		9.4		9.3		-2.66	6.69
e²	5.8 5.6	5.7	575	0 1 1.92	7.67		9f		9f		,	,
e³	6.1 5.9	6.3	6.20	L 1 1.75	7.95		7?		9f		,	,
f	B.	B.		,	,		8.5	8.30 2 2	8.1		-2.48	5.82
g	6.8 6.6	6.9	685	0 1 1.50	8.35		ns.		ns.		,	,
g'	6.5² 6.3	6.5	6.50	0 0 1.63	8.13		n.s.		ns.		,	,
h		7.5	7.50	0 0 1.26	8.76		ns.				,	,
			7.98	L 0								
h²		7.8		8.0 1.15	9.05		ns.				,	,
			8.10	0 0								
i		8.1		8.1 1.12	9.22							
	7.1		7.15	L 0								
m	6.9	7.2		1.39	8.54							
			8.25	L 2								
n		8.1		8.4 1.35	9.60							
					10.6							
m'		9f		8.1 9.6? 9f	10.66?							
			8.85	1 0								
m²		8.9		9.8 1.08	9.93							
			8.75	L 0								
o		8.7		8.8 1.08	9.83							
			9.25	1 0								
p		9.3		9.2 1.07	10.32							
			9.15	L 0								
q		9.1		9.2 1.07	10.22							
			9.30	L 1								
r		9.2		9.4 1.06	10.36							
			9.20	0 0								
s		9.2		9.2 1.07	10.27							
t		9.6?	9f	9f 1.06	10.66?							
			9.40	0 0								
u		9.4		9.3 1.07	10.47							

W } m.s.

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1917phae.proj.10820

Friday March 1, 1918.

Plot 450

Salem b.s. Wolfi Var. YELLOW

M 7 3 6 3 Pole

	sc.1	sc.2	Diff	Diff. Sm. sc.1	Diff. Sm. sc.2	
1	B.		.	6.5 6.45 10 6.3	6.4 6.2	-.197
3	B.		.	8.25 10 8.3	8.2	-.244
4	B.		.	8.45 0 1 8.4	8.5	-.246
5	3.8 3.6	B.	2.69	9.20 0 0 9.2	9.2	-.271
6	4.7 4.5	4.75 1 0 4.8	2.36	9.1	9	-.259
7	6.6 6.4	6.50 1 1 6.4	1.73	n.s.	n.s.	.
8		7.80 0 0 7.8	1.03	n.s.		.
9		7.90 0 0 7.9	1.12	n.s.		.
10		8.40 0 0 8.4	1.15			
11		def? ~~8.1~~	.			
12		8.80 0 0 8.8	1.50			
13		9.70 0 0 9.7	0.95			
14		7 7	.			
15		n.s. n.s.	.			
16						
17						

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Friday March 1, 1918

Scale m. b.s. Wolf's Var. YELLOW Alt corr. −.28

M 7 2364 Nova Monoc.

		sc.1	sc.2	sc2	Cu.		Diff. Inv. g sc2	h sc2		
							7.55 01			
a	B			,			7.6	7.5	−.228	5.27
a'	B.			,			8.3	q	−.248	5.82
b	B.			,			q	8.1	−.242	5.68
b'	B			,			q	9.1 8.9	−.261	6.39
							8.10 00			
c	B.			,			8.1	8.1	−.242	5.68
d	B			,			q2	7.2	assumed to be q2	−.265 6.55
		5.0 4.8	5.05 1.0 2.1							
e	4.9	4.8 7	5.2 5.1		2.20	7.25	q	9.3	−.266	6.64
e'	5.0	4.8	5.05 0.1 5.1		2.20	7.25	q	9.2	−.265	6.55
e²	6.1	5.9	6.15 1.0 6.2		1.75	7.90	†	†	.	.
e³	6.3	6.1	6.35 1.0 6.4		1.69	8.04	q	10.0	−.270	7.30
f		B.	B.	,		,	q	8.3	−.248	5.82
			7.15 1.0							
g		7.1	7.2		1.39	8.54	n.s.	n.s.	.	.
g'	7.0	6.8	6.90 1.1 6.8		1.49	8.39	n.s.	n.s.	.	.
			7.60 00							
h		7.6	7.6		1.22	8.82				
k		7.9	7.65 1.0 7.6		1.21	8.86				
			8.20 00							
l		8.2	8.2		1.11	9.31				
m		7.6	q 7.45 2.1 7.3		1.29	8.74				
			8.55 1.0							
n		8.8	8.6		1.09	9.64				
n'		q	q	,		,				
			8.95 1.2							
n²		9.1	8.8		1.07	10.02				
			9.15 0.1							
o		9.2	9.1		1.07	10.22				
			9.30 00							
p		9.3	9.3		1.06	10.36				
q		q	9.1	,		,				
			9.15 0.1							
r		9.2	9.1		1.07	10.22				
			9.25 01							
s		9.2	9.3		1.07	10.32				
t			9.60 00		,					
u		9.6	9.6		1.05	10.65				

Images on this plate not as good as on M 7 2362

11.20 -

Low floor.

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Monday, March 4, 1918.

Scale 1015 — G.S. Wolfs Comet Mc. 14558 — Nova Monoc. Pole-

	sc.1	sc.2	diff. Im. g, h sc.1	sc.2	P.C. sc.1
5			4.1	4.1	4.6
6			4.8		5.4
8			6.3	6.1	7.4
9			7.2	7.1	8.21
10			7.6	7.8	8.5
11			8.2	8.2	9.2
12			8.4	8.5	9.6 8.4
13	4.0		9.1	9.1	7.
14	4.4	4.5	9.5	9.3	7.
15	4.9	5.3	9.9	9.8	
16	5 6.5	5.9	7.	10.0? Ft.	n.s.
17	5.9	6.1	ns.	ns.	
18	6.5	6.9			
19		7.2	7.3		
20		7.8	7.8		
23		8.6	8.5		
25		9.1	9.1		
26		9.3	9.2		
27		9.6	9.6		
28		7.	7		
29		ns			
30					

ft. stars poor.

reject. Unable to finish today.

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1917phae.proj.10820

Tuesday March 5, 1918.

Copied 38 12,13

Scale m. Nova Monoc. C.S. alt. corr -.09
9:11 Mc 14557

B.C.

	sc.1	sc.2	Bk.	Magn.	sc.1	sc.2	Cu.	
a				3.6 3.4		.	.	
a'				5.6 5.4		1.50	7.10	
b				4.6 4.4		1.64	6.24	
b'				4.7 4.5		1.64	6.34	
c				4.5 4.3		.	.	
d				5.6 5.4		1.50	7.10	
e				5.9 5.7		1.43	7.33	
e'				corr.		.	.	
e²					7.4	0.97	8.37	
e³					8.4	0.55	8.95	
f				6.1 5.9	6.1	1.38	7.48	
g					7.6	0.91	8.51	
g'					8.1	0.70	8.80	
h					8.1	0.70	8.80	
k					8.4	0.56	8.96	
l	3.3 3.1		.	.	8.7	0.45	9.15	
m	3.6 3.4	B.	6.34	9.94	9.3	0.25	9.55	
n	3.9 3.7	B.	6.25	10.15	9.4	0.23	9.63	
n'	5.6 5.4	5.8	5.70	1 5.64	11.34	f.	.	.
n²	5.0 4.8	5.1	5.05	0 1.587	10.92	n²	.	.
o	5.0 4.8	4.9	4.95	0 1 5.90	10.85	g²	.	.
p	5.3 5.1	5.2	5.25	1 0 5.80	11.05			
q	5.9 5.7	6.1	6.00	1 5.56	11.56			
r	5.0 4.8	5.4	5.20	2 2 5.81	11.01			
s	5.6 5.4	5.3	5.45	2 1 5.72	11.17			
t	6.1 5.9	6.3 6.4	6.28	3 0 1 0 5.49	11.77			

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Tuesday March 5, 1918.

Scale M. Nova Monoc. C.S. at Corr -.09

MC 14557

	sc.1	sc.2	sc.2	Cu.	
	6.6	6.70 ⊥ 1			
u	6.4	6.8		5.37	12.07
		7.35 ⊥ 0			
w		7.3	7.4	5.18	12.53
		7.90 2 2			
x		7.7	8.1	5.04	12.94
		8.00 ⊥ 1			
y		7.9	8.1	5.02	13.02
		8.30 00			
z		8.3	8.3	4.97	13.27
		8.65 1 0			
α		8.7	8.6	4.91	13.56
		8.75 ⊥ 0			
β		8.7	8.89	4.90	13.65
		9.00 ⊥ 1			
γ		8.9	9.1	4.91	13.91
		9.10 00			
δ		9.1	9.1	4.92	14.02
		9.40 00			
ε		9.4	9.4	4.94	14.34
	γ				
	6.7	6.75 ⊥ 0			
33	6.5	6.8		5.34	12.09
34		~~8.1~~ ~~sup~~ ?		5.00	13.00
		8.50 ⊥ 1			
35	δ	8.4	8.6	4.92	13.42
		8.50 00			
36		8.5	8.5	4.92	13.42
		9.18 0 1			
37		9.2	9.1	4.92	14.07

Is ε dbl?

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Tuesday March 5, 1918.

Scale M Nova Monocerotis (Wolf's nova)

MC 14557

alt corr −.09

		g sc.1	g sc.2	h sc.1	h sc.2	Cu.	
edge	a	B		B.		.	
	a'	4.3 4.1		B.		2.41	6.71
	b	B.		B		.	.
	b'	4.3 4.1		q		2.41	6.71
	c	B.		B.		.	.
	d	q		q		.	.
	e	5.0 4.8q	5.00 00	50 4.8q		2.21	7.21
	e'		7.1 7.10 00		7.1	1.55	8.65
	e²	6.3 6.1	6.30 00	6.3 6.1		1.81	8.11
	e³	7.1 6.9	7.20 ⊥1	b.	7.3	1.52	8.72
	f	q		4.9 4.7?		2.23	7.13
	g	6.7 6.6	6.70 00	6.7 6.5		1.67	8.37
	g'	6.8 6.6	6.80 00	6.8 6.6		1.63	8.43
	h	7.0 6.8	7.15 ≥1		7.3	1.53	8.68
	h'		7.6 7.55 01		7.5	1.42	8.97
	l		7.8 7.95 ≥1		8.1	1.37	9.32
	m		8.3 8.40 ⊥1		8.5	1.32	9.72
	n		8.5		q	1.31	9.81
	n'		t.		t.	.	.
	n²		9.3		q	1.27	10.57
	o		9.4 9.35 01		9.3	1.27	10.62
	p		9.4 9.40 00		9.4	1.26	10.66
	q		9.7		q	1.26	10.96
	r		9.3 9.35 ⊥0		9.4	1.27	10.62
	s		9.2		q	1.28	10.48
	t		ns.		nc.	.	Diffs. very poor

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Tuesday March 5, 1918

Scale M. Nova Monocerotis.
MC 14558 Pole

	Sc.1	Sc.2			Diffr. Im Sc.1	Diffr. Im Sc.2		P.C. Sc.1	P.C. Sc.2
5	B								
6									
8									
9									
10									
11	B								
12	3.4			6.26	B. 4.0		2.29	4.7	1.59
13	3.8			6.30	4.5		2.41	5.4	1.51
14	4.5	4.5	460 1 1	6.05	6.6		1.73	7.1	1.13
15	5.1	5.3	5.30 0 0	5.78	7.4		1.43	8.1	0.73
16	5.5	5.6	565 1 0	5.75	7.5		1.47	8.6	0.42
17	5.6	6.1	595 2 1	5.68	8.2		1.30	9.3	0.25
18	6.7	6.8	685 1 0	5.21	8.6		1.31	9.7	0.16
19		7.1		5.32	9.1		1.35	10.1?	0.20
20		7.6	7.7	5.08	9.4		1.25		
23		8.5	8.5	4.84	9.8		1.28		
25		9.1	9.1	4.77	ns	ns.	,		
26		9.4	9.4	4.93					
27		9.6	9.6	5.09					
28				,					
29									
30									

10-10

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Tuesday March 12. 1918.

Scale m
9.10

Nova Monocerotis (Wolfs Nova) YELLOW

M 7 3360 Pole—

		sc.1	sc.2	sc.2	Diff	g sc.1	g sc.2	h sc.1	h sc.2	
1	B				.	5.8	5.8	5.9	5.7	− 1.37
2	B				.	7.5	7.4	7.6	7.6	− 2.12
3	B				.	8.2	8.0	8.1	8.0	− 1.74
4	B				.	8.8	8.8	8.9	8.8	− 2.06
5	3.2 3.0				3.29	9.3	9.3	9.3	9.3	− 2.31
6	4.0 3.8	4.0	4.00	00	3.11					− 2.19
7					.					
8	5.8 5.6	5.8	5.80	00	243	n.s.	n.s.			.
9		7.3	7.4		1.48					
10		7.6	7.8		1.32					
11		8.1	8.1		145					
12		7.9	7.9		1.96					
13		8.6	8.6		1.70					
14		9.3	9.4		1.30					
15		9.8	9.1		133					
16		?	?		.					

12 is certainly brighter than 11.

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Scale M Nova Monocerotis (Wolf-Rayet) YELLOW

M72361- Nova alt corr -.01

	sc.1	sc.2	sc.2			g sc.1	g sc.2	h sc.1	h sc.2	Cu.	
a	B			Cu.		7.0 6.8				— 1.78	5.28
a'	B.							7.75	1.0		
a²	B					7.7		7.8		— 2.02	5.73
b	B.	ws.				7.6	7.55	01		— 1.98	5.57
b'	B							8.4	8.85 0 1.83	— 2.16	6.19
c	B.							7.8	7.75 0 1 7.1	— 2.02	5.73
d	3.8 3.6?			3.15	6.95			9.1	g	— 2.26	6.84
e	g			,	,			9.3	g	— 2.27	7.03
e'	3.9 3.7	4.1	4.00 1 1	3.08	7.08			g	8.1? wk.	— 2.20	6.50?
e²	4.80 4.8	5.3	5.1 5.10 1 1.20	2.64	7.74			9.4	9.45 0 1 9.5	— 2.28	7.17
e³	5.7 5.0	5.4	5.30 1 1	2.55	7.85			9.5	9.55 1 0 9.6	— 2.28	7.27
f	B.	B.	,	,	,			8.2	8.15 0 1 8.1	— 2.11	6.04
g	6.4 6.2	6.7	6.5 6.52 1 0.20	1.98	8.50	8.2 g		8.1 g		,	,
g'	6.0 5.8	6.3	6.1 6.12 1 0.20	2.16	8.28	n.s.		n.s.		,	,
g²	7.0 6.8	7.1	7.05 0 1	1.76	8.81	n.s.		n.s.		,	,
h		7.5	7.50 0 0	1.61	9.11						
h'		7.8	7.75 0 1	1.52	9.27						
i	7.0 6.8	6.9	6.95 0 1	1.79	8.74						
m		8.1	8.15 1 0	1.48	9.63						
m'		9.1	8.50 9.2 1 1	1.58	10.53						
m²		8.6	8.70 1 1	1.43	9.93						
o		8.6	9.20 1 1	1.41	10.11						
p		9.1	9.00 1 1	1.38	10.58						
q		8.9	v.f. 9.1 9.00 2 2	1.39	10.39	very poor g					
r		8.8	8.95 2 1	1.39	10.39?						
s		8.8	9.1	1.39	10.34						
t		g		,	,						

only trace
of bot ch

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Tuesday March 12, 1918

Wolf's Nova.

M 7 2361

	scr	scr		
		9.36 L0		
u	9.3	9.4	1.37	10.72
w	ns.	f?		
x	ns.	ns.		
y	ns.			
z				

Nova 9.21

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Monday March 25, 1918.

Scale R Nova Monocerotis (Wolf's Nova)
9— Mc 14590 — Pole

	Sc.1	Sc.2	Diff	Diff. Im. Sc.1	Sc.2		PC. Sc.1	Sc.2	
5				7.1	7.0	7.05 10	7.9		
6				6.8	6.1	−0.56	7.6		−1.41
8							8.8 8.5		−1.69
9				Def.	9.8	−1.57		10.21	−1.97
10	5.34 7	5.0	3.72		10.55 01			11.1 +0.21	−2.27
11	5.8	5.5	3.75	10.6	10.5	−1.72	11.6		−2.58
12	6.7	6.4	3.16	10.8	10.7	−1.73	12.4		−2.86
13	6.75	7.2	2.80	11.4	11.4	−1.85	12.5	6	−2.74
14	7.9	7.6 7.7	7.80 1 1 2.85	11.8	11.9	−1.99	13.3		−3.00
15	8.4	8.1 8.4	8.40 00 2.68	12.2	12.2	−1.90	13.4		−2.75
16	8.9	8.6 8.8	8.85 10 2.55	12.6	12.6	−1.95	14.0		−2.92
17	9.1	8.8 9.1	9.10 00 2.53	13.2	13.2	−2.12			
18		9.5	2.56	13.5	13.4	−2.05			
19		10.3	2.12	13.7	9	−2.07			
20		10.8	1.93	14.0	7	−1.94			
23		11.3	2.04						
25		12.4	12.4 1.47						
26		12.6	12.7 1.68						
27		13.1	13.1 1.59						
28		13.4	13.4 1.71						
29		13.7	13.7 1.96						
30									

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Scale R Nova Monocerotis. Corr -.02

Mc 14591-

PC.

	sc.1	sc.2			
a	6.7 6.4			.	.
a'	8.4 8.1			-1.58	6.82
a²					
b	7.2 6.9			.	.
b'	7.6 7.3			.	.
c	7.5 7.21			.	.
d	8.4 8.1			-1.58	6.82
e	8.7 8.4	8.60 1 1 8.5		-1.63	6.97
e'		11.3		-2.42	8.88
e²		10.1		-2.03	8.07
e³		11.1		-2.35	8.75
f		9.3		-1.80	7.50
g		10.2 gf		-2.06	8.14
g'		10.7		-2.20	8.50
h		11.2		-2.39	8.81
k B.		11.6		-2.55	9.05
Bright- l	5.9 5.6?	3.54	9.44	12.1 v.f.	-2.12 9.38
m	6.6 6.3	3.21	9.81	12.5	-2.84 9.66
n	7.0 6.7	3.05	10.05	12.7	-2.86 9.84
n'	8.7 8.4	2.55	11.22	n.s.	. .
n²	7.8 7.5	2.82	10.62	13.6	-2.87 10.73
o	7.7 7.4	7.5 7.60 1 1 2.87	10.47	13.4	-2.88 10.52
p	8.3 8.0 8.4 ws	8.3 8.30 0 0 2.67	10.97	gf hazily sep?	. .
q	8.7 8.4	8.7 8.70 0 0 2.54	11.24	n.s.	. .
r	8.1 7.8	8.1 8.10 0 0 2.73	10.83	13.7	-2.86 10.84
s	7.8 7.5	7.9 7.85 0 1 2.81	10.66	13 4 gf	-2.88 10.52
t	7.5 9.2	9.5 9.50 0 0 2.34	11.84		

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Monday March 25, 1918.

Scale R Nova Monocerotis C.S.

MC 14591.

			Cw	
u	9.6		2.31	11.91
w	10.4	10.30 / 10.2	2.13	12.43
x	10.8	10.80 00 / 10.8	2.00	12.80
y	11.2	11.2000 / 11.2	1.89	13.09
z	11.1 q	11.320 / 11.1	1.89	13.09
α	11.7	11.90 = z / 12.1	1.69	13.59
34 = β	12.4	12.4000 / 12.4	1.60	14.00
γ	12.5	12.4610 / 12.4	1.60	14.05
δ	12.4	12.4000 / 12.4	1.60	14.00
ε	12.8	12.90 1 / 13.0	1.61	14.51
ζ	12.7 · vlr.	12.875 0 / 12.8? q	1.60	14.35
η (very close to Nova - bright)	13.3	13.335 0 / 13.4	1.72	15.07
θ	13.4 vlr.	13.4501 / 13.5q	1.75	15.20
K	13.6	13.6501 / 13.7	1.82	15.47

25' 71 68		3.02	10.12	q
33'	9.9	2.24	12.14	
34'	11.1	1.91	13.01	
35'	11.6	1.76	13.36	
36'	11.5	1.80	13.30	
37'	12.2	1.62	13.82	

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Corr. −.02

Scale R Nova Monocerotis

MC 14591

		sc 1	sc 2		sc 1	sc 2	Cu	
Edge	a	q			q			
	a'	7.7			7.4		−0.78	6.77
		7.4	7.55	1	7.1		−0.20	7.75
	~~a²~~							
	b	6.8 6.5	6.95	2 1	7.1 6.8		−0.53 −0.65	6.42 7.60
	b'	7.2 6.9	7.20	0 0	7.2 6.9		−0.62 −0.56 −0.46	6.64 6.58 7.66
	c	6.9 6.6	6.75	1 2	6.6 6.3		−0.49 e	6.30 e
edge	d	~~7.5~~ q			q			
	e	7.8 7.5	7.75	0 1	7.7 7.4		−0.85 −0.75 0.01	6.98 7.76
	e'		10.21	10.20 0 0		10.2	−1.61	8.59
	e²	9.1 8.8		9.25 1 2		9.4	−1.39 −1.06	7.86 8.19
	e³		10.1	10.15 1 0		10.21	−1.59	8.56
	f	8.1 7.8	7.95	1 2	7.8 7.5		−0.85 −0.91 −0.72	7.10 7.83
	g		9.8	9.70 1 1		9.6	−1.36	8.34
	g'		10.1	10.00 1 1		9.9	−1.53	8.47
	h		10.21	10.28 0 1		10.3	−1.62	8.63
	hc		10.7	10.60 1 1		10.5	−1.73	8.87
	l		11.1	10.95 1 2		10.8	−1.80	9.15
	m		11.8			def. in glass	−1.92	9.88
	n		11.9	11.70 2 2		11.5	−1.90	9.80
	n'		q			13.3	−2.04	11.26
	n²		12.5	12.35 1 2		12.2	−1.98	10.37
	o		12.5	12.45 1 0		12.4	−1.99	10.46
	p		12.8	12.75 0 1		12.7 8?9	−2.01	10.74
	q		13.4	13.40 0 0		13.4	−2.05	11.35
	r		12.9	13.05 1 2		13.2	−2.04	11.01
	s		12.6q	12.70 1 1		12.8	−2.01	10.69
	t		13.4	13.55 1 1		13.6	−2.05	11.46

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Monday March 25, 1918.

Scale R. Nova Monocerotis –

Mc 14591–

			h		
	ec.		ec.		
u	137	1365 10	13.6	–2.04	11.61
w	7.		7.	,	,
x	ns.		ns.	,	,
y	ns.		ns.	,	,
z	ns.		.	,	,
25′	faintly seen		12.3g	–1.97	10.33

1040

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Wednesday March 27, 1918.

Scale R. Nova Monocerotis. C.S. Copied Bk. 38 : 12, 13.

1145 Mc 14583 — a'-corr -.02

P.C.

	sc 1	sc 2	sc 1	sc 2	Cu	
a			7.1	6.8	.	
a'			8.7	8.4	-1.87	6.83
b			7.4	7.1	.	.
b'			7.8	7.5	.	.
c			7.6	7.3	B.	.
d			8.6	8.3	8.5	-.183 6.72
e			9.0	8.7	9.1	-.199 7.06
e'					11.7	-2.88 8.82
e^2					10.1	-2.35 7.75
e^3					11.4	-2.79 8.61
f					9.3	-2.07 7.23
g					10.6	-2.52 8.08
g'					11.1	-2.68 8.43
h		Cu Mean			11.4	-2.79 8.61
k	5.3 5.0	. .			11.9	-2.94 8.96
l	5.7 5.4	. .			12.3	-2.99 9.31
m	6.6 6.3	2.69 9.29			13.2	-2.98 10.22
n	6.9 6.6	2.62 9.52			13.4	-2.94 10.46
n'	8.6 8.3	2.20 10.80			n.s.	. .
n^2	7.8 7.5	2.39 10.19			13.6	-2.85 10.75
o	7.8 7.5	q 2.39 10.19			13.6	-2.85 10.75
p	8.3 8.0	8300 8.3 2.27 10.57				
q	8.8 8.5	8850 1 8.9 2.12 10.97				
r	8.4 8.1	8400 8.7 2.24 10.64				
s	7.8 7.5	B. 2.39 10.19				
t		9.5 1.98 11.48				

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Wednesday, March 27, 1918.

Scale R Nova Monocerotis. C.S.

MC 14583

	sc.1	sc.2	sc.3		
		9.80 L1			
u		9.7	9.9	1.90	11.70
		10.60 00			
w		10.6	10.6	1.67	12.27
		11.10 00			
x		11.1	11.1	1.53	12.63
		11.40 L1			
y		11.3	11.5	1.45	12.85
		11.70 00			
z		11.7	11.7	1.41	13.11
		12.10 00			
α		12.1	12.1	1.40	13.50
		12.60 00			
34 = β		12.7	12.6	1.45	14.05
		12.60 00			
γ		12.6	12.6	1.45	14.05
		12.55 L0			
δ		12.5	12.6	1.44	13.99
		13.15 L0			
ε		13.1	13.2	1.52	14.67
		13.35 L0			
ζ		13.3	13.4	1.55	14.90
		13.65 10			
η		13.7	13.6	1.61	15.26
		13.65 01			
θ		13.7	13.7	1.61	15.26
		13.70 00		1.64	
κ		13.9 ft.	13.9 ft.		15.54

25'	7.3 7.0			2.51	9.81	13.4 _ 2.94 10.46
33'	~~8.5~~	10.1		1.81	11.91	
34'		11.2		1.51	12.71	
		11.55 L0 6				
35'		11.5	11.8	1.43	12.98	
36		12.2		1.40	13.60	
37		12.7		1.46	13.73	

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Wednesday March 27, 1918.

Scale R Nova Monocerotis C.S.

MC 14583

	g sec 1	g sec 2	h sec 1	h sec 2	Cu Magn	
a	B.		B.			
a'	7.6 7.3	7.60 00	7.6 7.3		-074	6.86
b	6.7 6.4	6.65 10	6.6 6.3		,	,
b'	7.4 7.1	7.30 11	7.2 6.9		-064	6.66
c	6.7 6.4	6.75 10	6.8 6.5		,	,
d	~~7.8~~ 7.8		7.8		,	,
e	7.8 7.5	7.70 11	7.6 7.3		-085	6.85
e'		10.21 10.15 01		10.1	-1.56	8.59
e²	9.0 8.7	9.05 01		9.1	-1.23	7.82
e³		10.21 10.20 00		10.2	-1.57	8.63
f	7.8 7.5	7.85 01	7.9 7.6		-089	6.96
g		9.6 9.50 11		9.4	-1.35	8.15
g'		9.9 9.80 11		9.7	-1.44	8.36
h		10.1 10.15 10		10.2	-1.56	8.59
h'		10.6 10.55 01		10.5	-1.68	8.87
l		10.8 10.95 21		11.1	-1.80	9.15
m		11.6 11.65 01		11.7	-2.00	9.65
n		12.2 12.25 01		12.3	-2.11	10.14
n'		13.4 13.50 11		13.6	-2.28	11.40
n²		12.8 12.55 23		12.3	-2.16	10.39
o		12.8 12.70 11		12.6	-2.16	10.54
p		13.1 13.20 11		13.3	-2.14	11.06
q		13.5 13.45 10		13.4	-2.11	11.34
r		13.4 13.40 00		13.4	-2.12	11.28
s		12.5 12.80 33		13.1	-2.16	10.64
t		13.9 13.80 11		13.7	-2.05	11.75

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Wednesday March 27, 1918.

Scale R. Nova Monocerotis C.S.

mc 14584 Pole-

	sc.1	sc.2			Diff. Im.			P.C. sc.1 ½ sc.2	
					g 7.2 0 0				
5					7.2	7.2		8.2	
					6.9 8.0 5	7.9	−0.71	7.9	−1.71
6					8.1	8.0		9.1	
					7.8	7.7	−0.94	8.8	−1.99
8					9.6 5 1 0				
					9.7	9.6	−1.42	10.8	−2.57
9					10.2 10.2 0 0	9.8.2			
					9.7	9.7	−1.37	11.8	−2.97
10	6.1 5.8			2.92	10.8 0 0			11.9	
					10.8	10.8	−1.78	10.5	−2.88
11	7.0 6.7			2.55	11.5 0 0				
					11.5	11.5	−1.95	12.4.6	−3.05
12	7.4 7.1			2.46	11.9 0 0				
					11.9	11.9	−2.04	12.8	−2.94
13	8.1 7.8	7.9	8.0 0 1	2.30	12.4	9	−2.10	13.4	−3.10
14	8.7 8.4	8.7	8.7 0 0	1.95	12.9 0 0				
					12.9	12.9	−2.25	13.5	−2.85
15	9.0 8.7	8.9	8.9 5 0	1 2.13	13.2 5 1 0				
					13.2	13.2	−2.17	13.8	−2.72
16		9.0		2.40	13.4 5 0 1				
					13.4	13.5	−2.05	n.s.	
17		9.8		1.83	13.6 5 0 1				
					13.6	13.7	−2.02		
18		10.2		1.86	g	14.1	−2.04		
19		10.8		1.62					
20		11.3		1.43					
		11.9 5 0 1							
23		12.0	11.9	1.39					
		12.4 5 1 0							
25		12.5	12.4	1.42					
		12.8 5 1 0							
26		12.9	12.8	1.48					
27		def. ~~12~~ tf. 1							
		13.5 9 ? 1							
28		13.4 g	13.6 ?	1.61					
		14.0 0 0							
29		14.0	14.0	1.66					

110

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Tuesday April 2, 1918.

Scale N 10 — Ac Yellow plates. U.S. Regions. C 10 — Ac 16536

	Ac 1	Ac 2	Ac 3
1	6.4		6.1
2	6.8		6.6
3	6.5		5.8
4	7.4		6.7
5	7.9		7.8
6	8.3		7.8
7	7.5		6.7
8	7.	8.7	8.8
9	8.8		8.6
10		9.4	9.4
11			9.4
12		~~9.8~~ 8 ws.	10.0
13		9	9
14		10.1 9	10.0
15		ns	ns
16		ns.	ns
17		ns	ns.
18			
19			
20			

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1917phae.proj.10820

Tuesday April 2, 1918.

Scale M Ac Yellow Plates. N.S. Regions Cg-
Ac 19877

	Ac.1	Ac.2	Ac.2
1	5.8		5.8
2	5.4		5.6
3	4.9		5.2
3a	5.9		6.2
4	5.1		5.9
5	6.4		6.8
6	6.8		7.2
6a	6.5		6.7
7	6.5 6.7		7.0 6.9
8		8.1	8.1
8a		8.5	8.6
9		9.2	9.3
10		9.6	9.9
11		8.7	8.8
12		9.1	8.9
13		9.3	9.3
14		~~9.7~~ 9	9.9
15		9	
16		1	
17		7	
18			
19			

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1917phae.proj.10820

Friday April 5, 1918.

Exam. of plates for disc. magns. K Regions.

10 –

173 K – Star 11 wrong star meas. rejected.

173 K Star 13 – disc. Examined with ref to 12 + 14 and discordance is prob. due to accidental errors of measurement. Note to that effect written BK 34:65.

192 K – Star 14 rejected wrong star meas.
Star 15 rejected by H.S.L. See note 34:84.

193 K – Star 6 R 2:56 Rejected. Error in measuring or recodding. No certain of error of unit, ~~Before~~ therefore rejected.

194 K – Star 2 B 46416 R 2:66 – No error in measuring but the first and second measures of stars 1 and 2 on B 46415 (C Region) are discordant, Cause for rejecting Star 2? 1 and 2 are really too bright to measure.

199 K 9, 10 023:132 } Stars remeasured, no errors.
025:103 } They appear half way between stars 8 and 11 on both plates. Discordance due to accidental Errors of measurement. Not variable

Errors in reduction of ~~magns~~ stars in
173 K, 175 K, 183 K, 185 K and 190 K.

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1917phae.proj.10820

Thursday May 23, 1918

Scale R 12.05 Remeasures of ft stars in Region 122K - Mc 2292 Pole.

	sc 1	sc 2	sc 3	MC2297	Mean	Diff	
		11.25 0 1					Slight var. in star 12 of seq. 122K?
18	11.21	11.3		11.25	11.25	00 00	0.81
		11.75 0 L					
19	11.8	11.7		11.70	11.72	03 02	0.70
		12.00 L 1					
20	11.9	12.1		12.10	12.05	05 05	0.68
		12.55 0 L					
23	12.6	12.5		12.55	12.55	00 00	0.79
		13.40 00					
25	13.4	13.4		12.95	13.18	22 23	0.69
		13.50 L 1					
26	13.4	13.6		13.50	13.50	00 00	0.83
		13.65 1 0					
27	13.7	13.6		13.70	13.68	03 02	1.01
28	ft? def?	7			,	, ,	

Mc 2293 122K. Alt cm - .22

	sc 1	sc 2		Cw	
		11.40 0 0			
10	~~sc~~ 11.4	11.4		0.75	12.15
		12.30 L 1			
11	12.2	12.8		0.69	12.99
		12.75 0 L			
12	12.8	12.7		0.72	13.47
	~~12.95 1 2~~	13.00 1 2			
13	13.1	12.8	13.1	0.74	13.74
		13.35 L 0			
14	13.3	13.4		0.81	14.16
		13.40 0 0			
14a	13.4	13.4		0.82	14.22
		13.65 1 0			
(my ft. 15	13.7?	13.6?		0.89	14.54?
16	n.s.			,	

17 Mc 2297 Pole

	sc 1	sc 2	
		11.25 1 0	
18	11.3	11.2	
		11.70 0 0	
19	11.7	11.7	
		12.10 0 0	
20	12.1	12.1	
		12.55 0 1	
23	12.6	12.5	
25	12.95 1 2		
	13.1	12.8	
	13.50 0 0		
26	13.5	13.5	
			13.70 0 0
27			13.7 13.7

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1917phae.proj.10820

Thursday May 23, 1918.

Scale R Remeas. ft stars 122 K.

Mc 2675 Pole.

	RC 1	RC 2	RC 3	Mc 2680 Mean		Diff	
		10.35 0 1					
18 ~~10~~	10.4	10.3	10.60	10.48	13	12	1.58
		10.80 0 0					
19	10.8	10.8	11.10	10.95	15	15	1.47
		11.25 0 1					
20	11.2	11.3	11.65	11.45	20	20	1.28
		12.00 1 1					
23	11.9	12.1	12.25	12.12	12	13	1.22
		12.80 0 0					
25	12.8	12.8	12.75	12.78	02	03	1.09
		12.95 0 1					
26	13.0	12.9	13.00	12.98	03	02	1.35
		13.40 0 0					
27	13.4	13.4	13.35	13.38	02	03	1.31
		13.50 0 0					
28	13.5	13.5	13.66	13.58	08	07	1.53
29	↓	↓	,	,	,	,	
30	n.s.		,	,	,	,	

Mc 2677 122 K. Reg. not in center.

All -.18 —

	RC 1	RC 2	RC 3	Cu.	Magn
		11.05 1 1			
10	10.8	11.1	1.42	12.42	
		12.10 0 0			
11	12.1	12.1	1.17	13.27	
		12.20 0 0			
12	12.2	12.2	1.17	13.37	
		12.30 0 0			
13	12.3	12.3	1.16	13.46	
		12.70 1 1			
14	12.8	12.6	1.17	13.87	
		13.10 0 0			
14a	13.1	13.1	1.28	14.38	
Im defective? 15	↓	↓	,	,	

~~16~~ Mc 2680 Pole.

	10.60 0 0		
18	10.6	10.6	
	11.10 0 0		
19	11.1	11.1	
	11.65 0 1		
20	11.6	11.7	
	12.25 0 1		
23	12.2	12.3	
	12.75 0 1		
25	12.8	12.7	
	13.00 1 1		
26	12.9	13.1	
	13.35 1 0		
27	13.3	13.4	
28	13.65 0 1	13.6	

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1917phae.proj.10820

Thursday May 23, 1918.

Scale R Remeas ft stars 122K-

MC 2696 Pole-

	AC1	AC2	AC2	MC2701	Mean Diff		Diff
			10.65 01				
18	10.6	10.7	10.65	10.75	00	00	1.41
			10.90 00				
19	10.9	10.9	11.00	10.95	05	05	1.47
			11.30 00				
20	~~10.8~~ 11.3	11.3	11.40	11.35	05	05	1.38
			12.20 00				
23	12.2	12.2	12.20	12.20	00	00	1.14
			12.65 01				
25	12.6	12.7	12.50	12.58	07	08	1.29
			13.10 00				
26	13.1	13.1	13.20	13.15	05	05	1.18
			13.30 01				
27	13.2	13.4	13.45	13.38	08	07	1.31
			13.65 10				
28	13.7	13.6	↓	,			.
29	↓	↓	ns	,			.

MC 2699 122K. Alt -.18

		11.65 10				
10	11.7	~~10.6~~ 11.6			1.48	13.13
		12.50 L1				
11	12.4	12.6			1.31	13.81
		12.50 L1				
12	12.4	12.6			1.31	13.81
		12.75 L0				
13	~~13.7~~ 12	12.8 ?			1.26	14.01
		13.25 2L				
14	13.4	13.1			1.20	14.45
		13.50 00				
14a	13.5	13.5			1.20	14.70
15	ns.	ns.			,	,

~~16~~ MC 2701 Pole.

		10.65 01				
18	10.6	10.7				
		11.00 L1				
19	10.9	11.1				
		11.40 00				
20	11.4	11.4				
		12.20 L1				
23	12.1	12.3				
		12.50 L1				
25	12.6	12.4				
		13.20 00				
26	13.2	13.2				
		13.45 10				
27	13.5	13.4				
28	↓	↓				
29	ns.	ns.				

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1917phae.proj.10820

Thursday May 23, 1918-

Scale R. Remeas ft. plate. 122K.

MC 7260 Pole.

	pc.1	pc.2	pc 3	MC7266	Mean	Diff	
		10.10	00				
18	10.1	10.1		10.75	1042	32 33	1.64
		10.60	00				
19	10.6	10.6		11.35	1098	38 37	1.44
		10.80	00				
20	10.8	10.8		11.90	11.35	55 55	1.38
		11.65	10				
23	11.7	11.6		12.40	1202	37 38	1.32
		12.40	00				
25	12.4	12.4		13.05	1272	32 33	1.15
		12.75	L0				
26	12.7	12.8		13.40	1308	33 32	1.25
		13.20	1L				
27	13.3	13.1		13.50	13.35	15 15	1.34
		13.50	00				
28	13.5	13.5		1375	13.62	12 13	1.49
		1400	00				
29	140	14.0		7	,	, , ,	
		14.10	00				
30	14.1	14.1?		85	,	, , ,	

MC 7262 122K. Alt -.18

	10.75	10		
10	10.7	10.8	1.51	12.26
	11.50	L1		
11	11.4	11.6	1.35	12.85
	12.10	00		
12	12.1	12.1	125	13.35
	12.45	10		
13	12.0	12.4	1.2.2	13.67
	12.50	00		
14	12.5	12.5	121	13.71
	12.95	21		
14a	12.8	13.1	122	14.17
15	Scratched		,	,
16	7.	7.	Too ft. to meas. only trace seen.	

all im. elongated.

MC 7266

	10.75	L0	
18	10.7	10.8	
	11.35	L0	
19	11.3	11.4	
	11.90	1L	
20	12.0	11.8	
	12.40	00	
23	12.4	12.4	
	13.05	01	
25	13.0	13.1	
	13.40	00	
26	13.4	13.4	
	13.50	L1	
27	13.4	13.6	
	13.75	L0	
28	13.7	13.8	

Does not show as ft plate as spec plate.

29 7
30 ms

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Thursday, May 23, 1918.

Scale R Remeas. ft stars 122 K -
MC 7563 Pole

	RC.1	RC.2	MC7268 Mean		Diff	
	10.20	1 1				
18	10.3	10.1	10.00	10.10	10	10 1.96
	10.60	00				
19	10.6	10.6	10.55	10.58	02	03 1.84
	10.95	1 0				
20	10.9	11.0	10.90	10.92	03	02 1.81
	11.75	0 1				
23	11.8	11.7	11.80	11.78	03	02 1.56
	12.35	1 0				
25	12.3	12.4	12.40	12.38	03	02 1.49
	12.85	0 1				
26	12.8	12.9	13.00	12.98	13	12 1.35
	13.20	1 1				
27	13.1	13.3	13.40	13.30	10	10 1.39
	13.40	0 0				
28	13.4	13.4	13.65	13.52	12	13 1.59
	14.00	90				
29	14.0	14.0	ns	,	,	, ,
30	↓	ns.	,			

MC 7566 122 K Alt -.22

	10.55	1 0		
10	10.5	10.6	1.85	12.40
	11.30	00		
11	11.3	11.3	1.68	12.98
	11.80	00		
12	11.8	11.8	1.56	13.36
	12.25	1 0		
13	12.3	12.2	1.49	13.74
	12.60	00		
14	12.6	12.6	1.43	14.03
	12.65	0 1		
14a	12.6	12.7	1.42	14.07
	13.50	00		
15	13.5	13.5	1.45	14.95
16	↓	↓	,	,

MC 7268 Pole

	10.00	00
18	10.0	10.0
	10.55	1 0
19	10.5	10.6
	10.90	00
20	10.9	10.9
	11.80	00
23	11.8	11.8
	12.40	00
25	12.4	12.4
	13.00	00
26	13.0	13.0
	13.40	00
27	13.4	13.4

cont - 13.65 10
28 13.7 13.6
29 ns. ns.
30

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Thursday May 23, 1918.

Scale R Remeasures of 122K.

mc7591- Pole.

	sc 1	sc 2	sc 3	mc 7596		Diff	
18	10.30 1 1 / 10.4		10.2	10.15	10.22	08 07	1.84
19	10.60 00 / 10.6		10.6	10.55	10.58	02 03	1.84
20	10.90 00 / 10.9		10.9	11.00	10.95	05 05	1.78
23	11.75 1 0 / 11.7		11.8	11.75	11.75	00 00	1.59
25	12.40 00 / 12.4		12.4	12.15	12.28	12 13	1.59
26	12.75 0 1 / 12.8		12.7	12.70	12.72	03 02	1.61
27	12.95 1 0 / 12.9		13.0	12.85	12.90	05 05	1.79
28	13.40 00 / 13.4		13.4	13.40	13.40	00 00	1.71
29	13.60 00 / 13.6		13.6	13.65	13.62	02 03	2.04
30	14.00 00 / 14.0		14.0	14.00	14.00	00 00	2.04

mc7592 122K alt-.18

10	10.60 / 10.6	10.6	1.81	12.41
11	11.40 00 / 11.4	11.4	1.66	13.06
12	q- Im. large + hazy.; not like others.			
13	12.25 1 0 / 12.3	12.2	1.60	13.85
14	12.80 00 / 12.3	12.3	1.60	13.90
14a	12.60 00 / 12.6	12.6	1.62	14.22
15	13.40 00 / 13.4	13.4	1.84	15.24
16	f.	f.		

mc7596 Pole.

18	10.15 0 1 / 10.2	10.1
19	10.55 1 0 / 10.5	10.6
20	11.00 1 1 / 10.9	11.1
23	11.75 01 / 11.8	11.7
25	12.15 0 1 / 12.2	12.1
26	12.70 0 0 / 12.7	12.7
27	12.85 0 1 / 12.8	12.9
28	13.40 00 / 13.4	13.4

cont.

	sc 2	sc 3
29	13.65 0 1 / 13.6	13.7
30	14.00 00 / 14.0	14.0

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Tuesday June 11, 1918.

Scale R Mc series

935 Mc 5895 Pole-

	sc.1	sc.2			MC5900 Mean	Diff		sc.1 & sc.2			MC5900 Mean	
5								8.5 8.2	8.4	8.45 10	7.95	8.20 25 25 — 1.71
6								9.1 8.8	8.9	9.00 11	8.75	8.88 12 13 — 1.77
8									10.4		10.5	10.45 0 1 — 2.22
9									11.1		11.0	11.05 1 0 — 2.22
10	5.9 5.6			6.1	6.00 11	3.02			11.3		11.1	11.20 1 1 — 2.18
11	6.3 6.0			6.7	6.50 22	3.05			11.8		11.7	11.75 0 1 — 2.20
12	7.3 7.0			7.1	7.20 1 1	2.66			12.2		12.1	12.15 0 1 — 2.29
13	7.7 7.4			7.8	7.75 10	2.55			12.5		12.5	12.50 00 — 2.20
14	8.1 7.8	8.1	8.10 00	8.30	8.20 10 10	2.45			12.8		12.7	12.75 01 — 2.10
15	8.8 8.5	8.5	8.65 21	8.90	8.78 13 12	2.30			13.4		13.3	13.35 01 — 2.27
16	9.1 8.8	9.2	9.15 10	9.10	9.12 03 02	2.28			13.6		13.6	13.60 00 — 2.20
17		9.3		9.7	9.50 22	2.13			13.8? fun.		∫ 13.80 w.	— 2.17
18		10.0		10.3	10.15 11	1.91						
19		10.7		10.8	10.75 10	1.67						
20		11.0		11.00	11.00 00 00	1.73						
23		11.75 0 1 11.8	11.7	11.65	11.70 05 05	1.64						
25		12.35 0 1 12.4	12.3	12.25	12.30 05 05	1.57						
26		12.65 1 0 12.7	12.6	12.55	12.60 05 05	1.73						
27		12.95 1 0 12.9	13.0	12.95	12.95 00 00	1.74						
28		13.60 00 13.6? q.	13.6	13.40	13.50 10 10	1.61						
29		∫.		∫	. .							
30												

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Tuesday June 11, 1918.

Copied B38:15

Scale R

Mc Series

Mc 5897. Nova Aquilae #3. Alt. corr +.06

	pc.1	pc.2	Cu.		pc.1	pc.2		
a					6.7	6.4		
b					6.7			
g					7.8	7.5? nearly sup-		
h					7.6	7.3		
k					7.8	7.5		
l					8.4	8.2 1 8.35 0 1		
m						8.3	-1.69	6.66
n						9.4	-1.94	7.41
o						10.2	-2.12	8.08
p						10.4	-2.17	8.23
q	B.					10.8	-2.16	8.64
r	6.1 5.8		3.01	9.11		11.5	-2.20	9.30
s	6.7 6.4		2.85	9.55		11.7 9	-2.20	9.60
t	7.6 7.3	7.6	2.58	10.18		12.3	-2.21	10.09
u	7.7 7.4	7.3 7.6 5 10	2.57	10.22		12.6	-2.21	10.39
w	8.5 8.21	8.3 8.40 1 1	2.34	10.74		12.8 9	-2.20	10.70
x	8.8 8.5	8.8 8.80 0 0	2.24	11.04		13.1	-2.20	10.90
y	8.9 8.6	8.7 8.8 9 0 1 1	2.22	11.11		13.4?	-2.19	11.21?
z	9.1 8.8	9.4 9.2 5 4 2	2.12	11.37		q		
α	10.1	9.9 10.0 3 1 1 1 10.1 1 0 0	1.93	11.96		n.s		
β	9.9	10.1 10.0 0 1 10.65 0 1	1.94	11.94				
γ	10.6	10.7 10.80 0 0	1.79	12.44				
δ	10.8	10.8 11.40 0 0	1.75	12.55				
ε	11.4	11.4 12.20 0 0	1.70	13.10				
ζ	12.2	12.2 12.55 0 1	1.68	13.88				
η	12.6	12.5 12.70 0 0	1.67	14.22				
θ	12.7	12.7	1.66	14.36				

Var. 9.1 8.8

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Tuesday June 11, 1918.

Scale R

MC Series

MC 5900 Pole.

	Sc. 1	Sc. 2		Pole. Sc. 1	Sc. 2	
5				7.9 7.6	8.0	7.95 L0
6				8.8 8.5	8.7	8.75 0L
8					10.5	
9					11.0	
10	6.1 5.8				11.1	
11	6.7 6.4				11.7	
12	7.1 6.8				12.1	
13	7.8 7.5	B.			12.5	
14	8.3 8.0	8.3	8.30 0 0		12.7	
15	8.9 8.6	8.9	8.90 0 0		13.3	
16	9.1 8.8	9.1	9.10 0 0		13.6	
17		9.7			∓.	
18		10.3				
19		10.8				
20		11.00	1 1			
		11.1	10.7			
23		1165	1 0			
		11.7	11.6			
25		1225	1 0			
		12.3	12.2			
26		1255	0 1			
		12.6	12.5			
27		1295	0 1			
		13.0	12.9			
28		13.40	0 0			
		13.4	13.4			
29		∓.	∓.			
30		n.s.				

104

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Monday June 24, 1918.

Scale R

MC
~~B~~ Series 917

9 — MC 14828 a 2. Sequences marked on MC 5470 RC.

	sc.1	sc.	~~Mean~~.	sc.2	P. 127	Mean.	Diff	Diff from MC 14828 only
1	B.			10.2	11.2	10.70 (5/50 5)	-.371	-3.21
2	B			10.6	12.1	11.35 (15 75 / 8 7)	4.09	-3.34
3	B.			11.2	12.1	11.65 (4 5)	4.21	-3.77
4	Offfil.			.	.			
5	B			11.7	12.5	12.10 (4 4)	4.06	-3.66
6			copied from H.A. 71 No 4	11.8	.		..	-3.66
6a	6 B.		Mean. 6.8 6.8 · 8 Diff ~~Diff~~ P. 127	12.2	13.4	12.80 (6 6)	.	.
7a			7.1 7.1 · 2 +1.36	12.7	13.7	13.20 (5 5)	4.74	-4.24
8			.	13.3	.			-4.42
9	6.4 6.7		8.25 7.48 (18 17) 1.67	13.3	.			-4.15
10	6.5 6.8 B.		8.55 7.68 (88 87) 1.56	13.2	.			-3.96
11	7.7 8.0 8.08 00 8.0		8.90 8.45 (45 45) 1.43	m.s.	.			
12	8.1 8.4 8.45 01 8.5		9.8 9.12 (67 68) 0.80					
13	8.5 8.8 (88 8.80 00)		10.2 9.50 (70 70) 0.79					
14	8.7 9.0 9.1 9.03 010 9.0 (8.8)		10.6 9.82 (79 78) 0.57					
15	9.5		10.7 10.10 (60 60) 0.54					
15a	11.1		12.3 11.70 (60 60)					
16	9.6		10.8 10.20 (60 60) 0.55					
17	.		11.1 11.1 · 2					
17a	10.8		12.1 11.45 (65 65) +.007					
18	11.1		12.20 11.65 (55 55) +.03					
19	10.6		12.65 12.12 (52 63) -.09					
20	11.0 11.20 32 11.4		12.20 11.70 (50 50) +.11					
21	11.8 11.80 00 11.8		12.65 12.22 (42 43) -.10					
22	12.4 12.40 00 12.4		13.25 12.82 (42 43) -.14					
23	13.0 13.10 21 13.2		13.50 13.30 (20 20) -.08					
24	13.6 13.60 00 13.6		≠ 13.60 ±					
25	≠		≠ N.S.					
26	N.S.		N.S.					

Extreme Edge

Diff H.A. 71.4 MC 14828 only 2.45 2.44 1.88 1.37 1.49 1.39 1.14 1.15 0.72 0.58 0.43 0.81 0.32 0.28 0.12 -0.13

-.033 +.934 (16)

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Monday June 24, 1918.

Scale R Mc F Series 917-

Mc 14878 Az.

Dec.

27 all
28
29 not
30
31 seen.

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Monday June 24, 1918.

Scale R

Mc Series

Mc 14828 Az Diff Inv.

	g Sc.1	Sc.2	h Sc.1	Sc.2		P. 12.7	Mean				Diff. Mc 14828 only
1	8.5	8.8	8.4	8.7	8.75 ·1	+12.7	10.15	9.45	70	70	-1.76
2	9.4		9.3		9.35 ·1	10.60		9.98	63	62	-2.09
3	9.4		9.5		9.4 a	.					-1.96
4	Off fil.		Off			.					.
Edge 5	9		9			. .					.
" 6a	10.8		10.9		10.85 ·1	12.20		11.52	67	68	.
7a	11.4		11.5		11.45 ·1	12.35		11.90	45	45	-2.99
8a	12.2		12.1		12.15 ·1	~~13.20~~		~~12.64~~ 12.72	~~45~~ 53	~~50~~ 47	-3.27
8b 9	12.2		12.3		12.25 ·1	13.20		12.72	47	48	-3.10
						13.20					
10	12.3		12.3		12.30 ·0	13.3		12.80	50	50	-3.06
11	12.9		nearly sup.			.					-3.02
12	13.3		13.30 ·0		13.3	.		13.30 a			-3.38
13	13.4		13.40 ·0		13.4	.		13.40 a			-3.11
14	1		1			.					
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											

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1917phot.proj.10220

Monday June 24, 1918

Scale R

mc Series

mc 14829

	sc.1	sc.2	Curve (Curve)	Curve mc. (14828)
301	8.1 7.8	8.0		8.05 1.80
302	8.7 8.4	8.5		8.60 1.53
303		9.5 9.50	9.5	9.50 1.18
304	9.1 8.8	8.9	9.1	9.03 1.35
305		10.2		10.2 0.93
306		10.5		10.5 0.83
307		10.1		10.1 0.98
308		10.7		10.7 0.78
309		10.9	10.9	10.90 0.71
310		11.7	11.7	11.70 0.44
311		12.6	12.8	12.70 0.17
312		13.4	13.3	13.35 0.02
313		13.6	13.6	13.60 -0.03
314		†	†	
315		n.s.	n.s.	

11 40 +76.5 (prec. corner of a 2)

Diffr. Inv.		Curve (mc 14828		QC
g	h			sc 2
13.1	13.21	13.15	-3.21 9.94	n.s
13.3	13.4	13.35	-3.22 10.13	
†	†			
13.8	9.	13.8	-3.24 10.56	
n.s	n.s.			

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Monday June 24, 1918.

Scale R

Mc Series

	Mc 14830 pc.1	pc.2	Curve from Mc 14828		11 40 + 73.5 Diff. Sum g	h	Curve	Pc pc.2		
401	B				11.2	11.2	11.20 00	-2.80	8.40	12.4 -3.98 8.42
402	6.5 6.8		2.41	9.21	12.2	12.3	12.25 01	-3.12	9.13	13.4 -4.26 9.14
403	7.4 7.7 B.		1.96	9.66	12.6	12.7	12.65 01	-3.18	9.47	f.
404	8.7 9.0	8.8 8.95 01	1.39	10.39	13.4	13.4	13.40 00	-3.22	10.12	
405	8.9 9.2 9.0 9.3	9.4 9.33 1011	1.23	10.56	13.7	g	13.7 g.	-3.23	10.43	
406		9.4	1.20	10.60	ns	n.s.				
407		10.3	0.92	11.22						
408		10.6	0.80	11.40						
409		11.3	0.57	11.87						
410		11.5 11 11.5	11.50 00	0.51	12.01					
411		11.8 11.8	11.80 00	0.42	12.22					
412		12.6 12.4	12.50 11	0.22	12.72					
413		12.9 13.2	13.05 12	0.08	13.13					
414		13.5 13.5	13.50 00	-0.02	13.48					
415		13.7 13.7	13.70 00	-0.06	13.64					
416		f. f.								

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1917phae..proj..108220

Monday June 24, 1918

Scale R

Mc Series

MC 14831

12 22 +73.5

Curvature MC 14828 only			sc 1	sc 2		Diff. Im. g	h			PC. sc 2		
		101	B									
		102	B									
2.40	9.20	103	6.5	6.8	6.8	10.3	10.1	10.20	11 -2.40 7.80	11.7	-3.78	7.92
B	B	104	5.7	6.0 B.	6.0	11.8	11.9	11.85	01 -3.04 8.81	13.1	-4.18	8.82
1.65	10.00	105	8.0	8.3 8.4	8.35	12.4	12.3	12.35	10 -3.15 9.20	13.8 2	-4.20	9 8.00
1.82	9.82	106	7.8 8.1	7.6 7.9 8.0	8.00	11.4	11.4	11.40	00 -2.89 8.51	12.5 7	-4.06	64 8.40
1.09	10.99	107		9.9	9.9 ±	13.1	12.9	13.00	11 -3.20 9.80	ns.		
1.09	10.99	108		9.9	9.9 ±	13.1	9	13.1	± -3.21 9.89	±		
0.98	11.08	109		10.1	10.1	ns.	ns.					
0.93	11.13	110		10.2 2	10.2							
0.85	11.30	111		10.5 10.4	10.45 10							
0.59	11.84	112		11.3 11.2	11.25 10							
0.29	12.54	113		12.3 12.2	12.25 10							
0.22	12.72	114		12.6 12.4	12.50 11							
0.04	13.24	115		13.2 13.2	13.20 00							
0.00	13.40	116		13.3 13.5	13.40 11							
		117		± ±								

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Monday June 24, 1918.

Scale R

Mc Series 917

Mc 14832 Curve from Mc 14828 12 22 +76.5 -

	AC.1	AC.2			g	h			AC.2		
201	B.				11.8	12.1	11.95 ± 1	-3.08	8.87	13.1	-4.18 8.92
202	6.871 A.	B.	7.1 a	2.26	9.36	12.4	12.4	12.40 °°	-3.15	9.25	13.4 -4.24 9.16
203	8.3 8.6	8.6	8.60 °°	1.53	10.13	13.3	13.2	13.25 ¹⁰	-3.22	10.03	ns.
204	7.9 7.617.7 8.0	8.1	8.00 ±010	1.82	9.82	13.2	13.1	13.15 °/	-3.21	9.94	
205		9.5		1.17	10.67	ns	ns.				
206		10.0		1.00	11.00						
207		10.2		0.93	11.13						
208		10.8		0.74	11.54						
209		10.8		0.74	11.54						
210		11.4	11.4	11.40 °°	0.53	11.93					
211		11.1	11.1	11.10 °°	0.63	11.73					
212		12.8	12.8	12.80 °°	0.14	12.94					
213		13.5	13.5	13.50 °°	-0.02	13.48					
214		14.0?	14.0?	14.00? °°	-012	13887					
210a	7.5 7.8				1.91	9.71					
212a		12.4	12.8	12.75 ±0	0.14	1289					
214a		±									
215		ns.									

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Monday June 24, 1918.

Scale R

Mc 14833

Mc 917

a2

	pc.1	pc.2	g	h		pc.2
1	B.		10.2	10.1	10.15 01	11.2
2	B.		10.6	10.6	10.60 00	12.1
3	B.		gf	gf	.	12.1
4	ff		.	.	.	.
5	B.		gf	gf	.	12.5
6	ff		.	.	.	.
6a	6.5	6.8	12.2	12.2	12.20 00	13.4
7			.	.	.	
7a	6.8	7.1	12.3	12.4	12.35 20	13.7 ns
8	8.0	8.3	13.2	13.2	13.20 00	
8b			13.2	13.2	13.20 00	
9	8.0	8.3 8.21 8.25 10				
10	8.4	8.9 8.4 8.55 12	gf	13.3		
11	8.7	9.0 8.8 8.9 12	gf	gf		
12		9.8	ns	n.s.		
13		10.2				
14		10.6				
15		10.7				
15a		12.3				
16		10.8				
17		11.1				
17a		12.1				
18		12.2 12.2 12.20 00 12.65 10				
19		12.7 12.6 12.20 00				
20		12.2 12.2 12.65 21				
21		12.8 12.5 13.25 01				
22		13.2 13.3 13.50 21				
23		13.4 13.6				
24		4 4				
21b ~~25a~~		12.9				
25		ns.				
26						

1105

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Friday June 28. 1918.

Scale R

10 10

Mc Series 919 - Yellow

Mc 14840

Rich Sect Sob. 18 45 -8.0

Diff. from adopt. Magns.		sc.1	sc.2	Mean	Mc 14845 P.133	Diff. 1m g	Diff. 1m h	P.133	P.C. sc.2
	1	B.				9.9	9.9	7.55	11.6 ~~9.9~~
	2	6.3 6.6	B	6.6 a.	Mean	q	q	very ft 12.15	~~13.6~~ 13.4
	2a	6.7 7.0 6.8 8.1	B.	7.0 a. 1.01		ns	ns	12.80 13.5	n.s. 13.5
..	2 b	7.7 7.8	8.2	8.10	5.9 7.00 110 111			~~13~~.	
+0.12	3	8.6 8.9	9.0	8.95 1.0	6.7 7.82 113 112				
..	3a		9.3		7.2 8.25 95 95				
−0.52	4		9.9		7.8 8.85 105 105				
− 1.34	5		11.2		8.80 10.00 120 120				
− 1.90	6		12.2		98 11.00 120 120				
− 1.88	7		12.6	12.55 01 12.5	10.3 11.42 113 113				
− 2.12	7a		13.2	13.20 00 13.2	10.85 12.02 118 ~~98~~ 117				
− 2.42	7b		13.4	13.40 00 13.4	11.65 12.52 88 87				
− 1.01	8		10.6	10.65 01 10.7	8.45 9.55 120 110	Corr. Mean [+1.13]			
− 1.52	9		11.8	11.80 00 11.8	9.27 10.54 126 127				
− 2.68	10		n.s.		11.90 11.90 · a	13.03			
− 2.91	11		n.s.		12.20	~~13~~ 13.33			
− 2.49	12		n.s.		13.10	13.23			
− 3.25	13				13.15	13.28			
− 3.32	14				13.4	13.53			

1220 − 1216

11

+111 −114

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1917phae.proj.10820

Friday June 28, 1918.

Scale R

mc series 919. Yellow

mc 14841

18 40 − 6.5

	sc.1	sc.2		Diffr. Inn g	Diffr. Inn h	Pc. sc 2
301	B.					
301a	6.21	6.5				
301b	6.3	6.6				
301.c	7.2	7.5				
302	8.7	9.0	8.7	8.85		12.7
303	8.0	8.3	8.4	8.35		⊥
303a			9.6			
304			10.8			
305			10.4			
306			12.3	12.5	12.40	
306a			11.3	11.4	11.35	
307			13.2	13.1	13.15	
308			⊥	⊥		
309			13.7	13.7	13.80	
310			m.s.	m.s.		

11.3	11.4	11.35
13.4	13.5	13.45
⊥	⊥ + faint.	

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Friday June 28, 1918.

Scale R. Mc series 9.9 - Yellow

MC 14844 18 40 - 9.5

	pc 1	pc 2			g	h	pc	pc 2
401	7.4	7.7			n.s.			n.s.
402	7.4	7.1	B.		n.s.			
402a	8.4	8.9	8.4					
403	9.1	9.2	9.7	8.55 ± 1.00	9.1a.			
404	8.8	8.1	9.3	9.3	9.30			
405			12.2	12.3	12.25	01		
406			10.21	10.4	10.30	±1		
406a			11.3	11.4	11.35	±0		
407			13.5	13.5	13.50	00		
408			7+q	.	.			
409			n.s.	.	.			
410			13.1	12.8	12.95	1±		
411			14.0? defective?					
412			n.s.					

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Friday June 28, 1918.

Scale R

mc Series 919. Yellow

mc 14843

18 52-6.5

	sc.1	sc.2		
201	B.			
201a	5.6	5.9		
202	6.0	6.3		
202a	7.7	7.7	B.	
203	8.3	8.6	8.6	8.60 00
203a			8.5	
204			10.2	
205		10.4	10.3	10.35 01
206		12.1	11.9	12.00 11
207		10.21	10.2	10.20 00
208		13.21	13.2	13.20 00
208a		12.1	12.1	12.10 00
208b		13.6	13.5	13.55 01
208c		13.6	13.7	q 13.65 01
209		n.s.	n.s.	
210		n.s.	n.s.	

g h

	sc.1	sc.2
	8.6	8.5
	12.5	12.7
q	13.1	

Pc

	sc.2
	10.1

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Friday June 28, 1918.

Scale R

Mc Series 9.9 – Yellow

Mc 14844 18 52 −9.5

	RC.1	RC.2			g	h	RC RC.2
101	B.				10.8	10.7	12.6
102	B.				12.4	12.4	13.4
103	6.8	7.1			‡	‡.	
104	7.8	8.1	8.0	8.05	10		
105			10.6				
106			12.1	12.0	12.05	10	
107			13.3	13.2	13.25	10	
108			13.4	13.4	13.40	00	
109			12.2	12.3	12.25	01	
110			13.8	13.6	13.70	11	
111			‡.	‡.			
112			ns.	ns			
105a			11.1				
104a	8.5	8.8	8.8	8.80	00		
104b	~~8.5~~		9.5	9.5	9		

‡

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Friday June 28, 1918.

Scale R

Mc Series 919- Yellow

Mc 14845

18 46 – 8.0.

	sc.1	sc.2	q sc.1	h		sc.2
1	B.		7.5	7.6	7.55 ±0	9.9
2	B.		12.2 sc.2	12.1	12.15 01	13.4
2a	B.		12.7	12.9	12.80 ±1	13.5–
2b	5.6	5.9	13.5	q		h.s.
3	6.4	6.7	∓	∓.		
3a	6.9	7.2				
4	7.5	7.8				
5	8.6	8.9 8.7 8.80 12				
6		9.8				
7		10.3				
7a		10.8 10.85 01 10.9				
7b		11.6 11.65 01 11.7				
8	8.3 8.6 9.1	8.3 8.45 21 9.27 22 11				
9	8.8 8.8 9.1	9.3 9.3				
10		12.0 11.90 12 11.8				
11		12.2 12.20 00 12.2				
12		13.1 13.10 00 13.1				
13		13.1 13.15 10 13.2				
as marked on mc5497 207a		12.4				
207		11.7				
27b		12.4				
14		13.4				

This plate shows fainter stars than mc 1484c.

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1917phae.proj.10820

Tuesday July 2, 1918.

Scale R Mc. Series 933.

1035 Mc14959 Poor Sent Sob. 18 50 - 2.5

Images poor! much elongated.

Diff.	No.	sc1	sc2	sc3	P	Mean		
	1	B	~~sc~~					
	2							
	3							
	4							
	5							
	6							
+2.65	7	B			5.9	5.9	.	a
3.09	8	5.6 5.9			6.0	5.95 ~~5.80~~	1 ~~2~~	0 ~~2~~
2.69	9	6.4 6.7			6.7	6.70 ~~6.55~~	0 ~~2~~	0 ~~1~~
2.63	10	6.75 6.8			6.8	6.80 ~~6.65~~	1	2
2.58	11	6.8 7.1			7.5	7.30 ~~7.05~~	2 ~~4~~	2 ~~3~~
2.38	12	7.6 7.9	7.9	7.90	7.80	7.85	05	05
1.88	13	8.5 8.8	8.7	8.75	8.75	8.70	00	00
. 1.76	14	8.7 9.0	8.9 9.2	9.3 9.4 9.22	9.05	9.14	08	09
1.30	15		9.9 v.p.		10.3	10.10	2	2
1.20	16		10.4		10.5	10.45	0	1
1.08	17		11.1		10.7	10.90	2	2
1.13	18	11.40	11.4 7.1 v.p.	11.4	11.30	11.35	05	05
0.69 ?	18 a	11.70	11.7	11.7	11.75	11.72	02	03
~~0.69~~ 0.63	19	11.95	12.1	11.8	11.90	11.92	03	02
~~0.63~~ 0.46	20	12.30	12.4 3	12.3	12.00	12.15	15	15
0.91	21	12.60	12.6	12.6	12.40	12.50	10	10
0.51	22	13.40	13.4	13.4	12.90	13.15	25	25
0.45	23	13.50	13.6	13.4	g	13.5	a	a
0.51 ?	24	13.75 ?	13.7 ?	13.8	g	13.75 ?	a	a
	25		~~44~~.					
	26							

	g sc.1	h sc.1	P.	Mean.			BC.				
1	6.7 (7.0) 6.95	6.6 6.9	~~7~~ 7.55 139	7.25	30	30	sc1 7.7 8.0	8.1	8.05 ~~7.9~~	01 ~~20~~	2.02 ~~1.87~~
2	6.7 7.0	g	8.0	7.50	50	50	7.8 8.1	8.7	8.40 ~~8.25~~	3 3 ~~4 5~~	2.07 ~~1.92~~
3	7.8 8.1	g	8.7	8.40	3	3	sc2 9.7	9.7	9.70	0 0	3.11
4	9.6 9.55	9.5	9.80	9.68	13	12	10.6	10.4	10.50	1 1	3.06
5	10.1 10.00	9.9	10.25	10.12	13	13	11.5	11.2	11.35	1 2	3.53
6	10.3 10.20	10.1	10.4	10.30	10	10	12.1	11.7	11.90	2 2	3.66
7	10.7 10.90	11.0	11.10	11.00	10	10	12.4	12.2	12.30	1 1	3.75
8	11.3 11.20	11.1	11.40	11.30	10	10	12.7	12.4	12.55	1 2	3.51
9	g	12.1	12.1	12.10	0	0	13.4	13.1	13.25	2 1	3.86
10	12.3 12.30	12.3	12.50	12.40	10	10	13.6	13.4	13.50	1 1	4.07
11	12.7 12.90	13.1	13.1	13.00	10	10	f. only trace seen.				
12	13.4 13.40	13.4	13.4	13.40	0	0					
13	f	f.	.	.	.						
14	f	f	.	.	.						

Diff.

1	*1.2(2)
2	1.17
3	-1.81
4	2.24
5	2.30
6	2.06
7	2.45
8	2.26
9	2.71 ?
10	2.97
11	3.32
12	3.17

91 53
-52 -91
16
+02 -02
+09

18 f 25

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Tuesday July 2, 1918.

Scale R. Mc Series 933.

Mc 14960 18 44 — 1.0

	sc.1	sc.2	sc.3	curve	magn.	g	h				sc.2		
						Diffr.	Im.						
301	B.			·		9.5	9.5	9.50	00	-2.13	7.37	10.7	-3.29	7.41
302	5.5		5.8	3.13	8.93	11.4	11.2	11.30	11	-2.47	8.83	12.8	-3.81	8.99
303	B.			·		10.6	10.6	10.60	00	-2.31	8.29	12.3	-3.70	8.60
304	7.8	8.0	8.05	1.70	9.75	13.2	13.3	13.25	01	-3.31	9.94	f		
305	7.5	7.4	7.60	2.38	9.98	13.1	12.9	13.00	11	3.19	9.81			
306	8.5	8.5	8.65	1.97	10.62	g	13.4	13.4	a	3.40	10.00			
307		9.8		1.48	11.28	n.s.	n.s.							
308		10.5		1.22	11.72									
308a		11.3	11.5	0.90	~~12.80~~	12.30								
309		11.4	11.3	0.92	~~12.77~~	12.27								
310		12.2	12.4	0.96	~~13.46~~	12.96								
311		12.8	12.8	0.57	~~13.87~~	13.37								
312		12.8	12.8	0.58	~~13.84~~	13.38								
313		13.3	13.4	0.51	~~14.36~~	13.86								
314		n.s.	n.s.											

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Tuesday July 2, 1918.

Scale R. Mc Series 933.

Mc 14961 18 44-40

	sc.1	sc.2	sc.3	Curve reading	Magn.	Diff. Im. q sc.1	h			PC sc.1		
401	B.			.		5.8 6.1 q sc.2	..			6.8 7.1 sc.2		
402	4.5 4.8			.		10.4	10.4	10.40 °°	-2.29	8.11	12.1	-3.66	8.44
402a	4.3 4.6			2.40	10.00	12.7	12.8	12.75 ±0	-3.06	9.69	n.s.		
403	4.1 4.4			2.48	9.88	12.6	12.6	12.60 °°	3.00	9.60			
404	7.4 7.7	7.75 ±0	7.8	2.33	10.08	13.2	13.4	13.30 ‖	3.35	9.95			
405	8.8 9.1	9.15 ±0	9.2	1.77	10.92	13.8?	q	13.8? ?2	..				
406		10.3		1.29	11.59	ns	ns.						
407		10.8	10.80 °° 10.8	1.11	11.91								
408		11.5	‖11.60 ±1 11.7	0.84	12.44								
409		11.7	11.70 °° 11.7	0.81	12.51								
410		12.8	12.80 °° 12.8	0.58	13.38								
411		12.8	12.80 °° 12.8	0.58	13.38								
trace? 412		7	7?										
413		ns.	ns										

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Tuesday July 2, 1918.

Scale R. Mc Series 933.

Mc 14962 18 57 -1.0

	pc.1	pc 2	curve reading		Diffr. 2m q	Diffr. 2m h	curve Magn.	pc.2		
201	B.		.		8.5 8.8	pc.1 8.3 8.6	8.70 ±	-1.87	6.83	9.4 -2.82 6.58
202	B.		.		10.2	10.1	10.15 ±1	-2.23	7.92	11.1 -3.40 7.70
203	5.6 5.9		3.09	8.99	11.4	11.4	11.40 ±0	-2.50	8.90	12.7 -3.80 8.90
204	6.2 6.5		2.86	9.36	11.9	12.6	11.95 ±0	-2.68	9.27	13.1 -3.90 9.20
205	7.3 7.6		2.40	10.00	12.6	12.6	12.60 ±0	-3.00	9.60	n.s
206	7.1 7.4		2.49	9.89	12.4	12.5	12.45 ±1	-2.91	9.54	
207	8.5 8.8	8.70 ± 8.6 .	1.94	10.64	13.3	q	13.3 ±2	-3.35	9.95	
208		9.3	1.70	11.00	n.s.	n.s.				
209		10.6	1.19	11.79						
210		10.6 10.60 ±0 10.6	1.19	11.79						
211		10.9 11.00 ±1 11.1	1.04	12.04						
212		11.8 11.80 ±0 11.8	0.79	12.59						
213		12.1 12.20 ±1 12.3	0.69	12.89						
214		13.1 13.10 ±0.1 13.4	0.54	13.64						
215		13.3 13.35 ±0 13.4	0.51	13.86						
216		13.5? q	0.50	14.00?						
217		~~n.s~~ ~~n.s~~								

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Tuesday July 2, 1918.

Scale R. Mc series 933.

Mc 14963 18 56 −4.0

	sc.1	sc.2	sc.2	curve	magn.	Diffr. Inn. g	h				sc.1		
101	B					6.6 g	sc.1	6.6 q	2.81		7.7		
102	B			8		7.2 7.5 q		7.5 q	1.30 2.44	6.20	8.7	−2.62	6.38
102a	B					10.6	10.4	10.50	2.30 1.21	8.20	12.1	−3.66	8.44
103	5.8 6.1			3.00	9.10	11.8	11.7	11.75	−2.60	9.15	13.1	−3.90	9.20
104	5.9 6.2			2.97	9.17	12.1	12.1	12.10	−2.73	9.37	13.3	−3.96	9.34
105	6.8 7.1			2.60	9.70	12.6	12.5	12.55	2.96	9.59	q		
106	7.5 7.8	B.		2.30	10.10	12.8	13.1	12.95	−3.16	9.79			
107	8.2 8.5	8.1	8.30	2.10	10.40	13.4	q	13.4	−3.40	10.00			
108		9.6		1.55	11.15	ns	ns						
109		10.7	10.70	10.7	1.15	11.85							
110		11.1	11.10	11.1	1.00	12.10							
111		11.8	11.70	11.6	0.80	12.50							
112		11.9	11.85	11.8	0.78	12.63							
113		12.6	12.55	12.5	0.62	13.17							
114		13.2	13.30	13.4	0.51	13.81							
115		13.8	13.80	13.8	..								

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Tuesday July 2 19, 1918.

Scale R

mc Series 933

mc 14964

	sc 1	sc 2		
1	B			
3				
4				
5				
6	B.			
7	5.6 5.9			
8	5.7 6.0			
9	6.4 6.7			
10	6.5 6.8			
11	7.2 7.5			
12	7.6 7.9	7.7	7.80 12	
13	8.5 8.8	8.1	8.15 21	
14	8.7 9.0	9.1	9.05 21	
15		10.3		
16		10.5		
17		10.7		
18		11.3	11.3	11.30 00
18a		11.7	11.8	11.75 10
19		11.9	11.9	11.90 00
20		11.9	12.1	12.00 11
21		12.4	12.4	12.40 00
22		12.7	13.1	12.90 22
23		qf	qf	
24		qf		
25				
26				

18 50 - 2.5 -

Diffr. Im.

g	h		P.C. sc 1
7.4 sc 1 7.7	7.1	7.4 7.55 12	7.8 8.1
7.7 8.0	qf	8.0 a.	8.4 8.7 sc 2
8.4 8.7 sc 2	qf	8.7 a.	9.7
9.7 sc 2 9.9		9.80 11	10.4
10.4	10.1	10.35 21	11.2
10.4	qf	10.4 a.	11.7
11.1	11.1	11.10 00	12.2
11.4	11.4	11.40 00	12.4
qf	12.1	12.1 a	13.4 1
qf	12.4	12.4 a	13.4
12.4	12.6	12.50 11	4.4 qf.
13.1	qf		
qf	13.4		
qf	qf		

1235

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Wednesday July 8, 1918.

Scale M. Mc Series 918: YELLOW

7.30 Mc 14834 Near Sent. Sol. 17 00 0.0

	sc.1	sc.2	mc14839 P. 145	Diffr. g	h				sc.1	sc.2	
1	B.		·	5.75	5.85	7.65	6.75	−*0.65	7.8	8.8	8.30 −2.19
2	B.		·	6.4	6.8	8.35	7.60	1.33	8.4	9.1	9.05 2.75
2a	B		·	8.5	8.4	9.2	8.82	1.04	9.8	·	9.8
3	B.		4.35	4.35			+3.11	n.s	n.s.		
4	4.2	4.4	6.30	5.35			3.05	n.s	n.s.		
5	3.7	B.	5.75	4.82			3.37		n.s.		
6	6.1	6.3	7.95	7.12			2.15				
7	6.9	7.1	8.60	7.85			1.81				
8		8.1	9.35	8.72			1.48				
9		8.5	9.37	8.94			1.37				
10		8.3									
11		7.8	8.75	8.25			1.56				
12		9.8	ft.	9.90							
12a		9.9	ft.	9.90							
13		9.2		9.20							
14		n.s.									
14a											
15		n.s.									

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1917phae.proj.10820

Wednesday July 8, 1918.

Scale m. Mc series 9:8 YELLOW

Mc 14835 16 55 +1.5

	sc.1	sc.2	sc.2		Diffr. g h	PC. sc.2
301	4.1	4.3			n.s. n.s.	n.s.
302	B.				9.6 9.8 9.70 +1	n.s.
303	4.3	4.5	4.5	4.50 00	n.s. n.s.	
304		7.21	7.2	7.20 00		
305		8.4	8.4	8.40 00		
306		9.1	9.2	9.15 +10		
307		9.6	9.5	9.55 01		
308		n.s.	n.s.			
309			n.s.			
303a	5.5	5.7	5.6	5.65 10		
303b	6.3	6.5	6.5	6.50 00		

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Wednesday July 3, 1918.

Scale M

Mc 14736 Mc series 9.18 YELLOW

16 55 -1.5

	pc 1	pc 2			g	h	pc	pc 2
					sup or def.?	9.2		n.s
401	B.	B.			n.s.	n.s.		
402	3.8	4.0 B						
403	5.9	6.0' 6.2		6.15	-0			
404	5.7	5.9 5.9		5.90	00			
405		7.4	7.4	7.40	00			
406	6.4	6.6 6.5		6.55	0L			
407	6.8	7.0 7.1		7.05	01			
408		8.7	8.7	8.70	00			
409		8.8	8.8	8.80	00			
410		9.8?	9.7	9.75	?0L			
411		n.s.	n.s.					

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Wednesday July 3, 1918.

Scale m. Mc Series 918 YELLOW

Mc 14838.7 17 07 +1.5

	sc.1	sc.2	sc.2		g h	PC sc.2
301	4.7[4.9]	5.1		5.00[11]	ns ns.	n.s.
302	5.7[5.9]	6.0		5.95[10]	ns n.s.	
303	5.5[5.7]	5.8		5.75[10]		
304	5.2[5.4]	5.3		5.35[01]		
305		7.4	7.5	7.45[01]		
306	5.5[5.7]	5.6		5.65[10]		
307		8.7	8.7	8.70[00]		
308		9.6	9.7	9.65[01]		
309		9.6	9.7	9.65[01]		
310		ns	ns			

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Wednesday July 3, 1918.

Scale m

Mc Series 918 ~ YELLOW

Mc 14838

17 07 −1.5

	pc 1	pc 2			q h pc 2	pc 2
101	3.8 4.0	3.			n.s.	n.s.
102	5.5 5.7	5.6		5.65 10	ns	n.s.
elongated 103	5.7 5.9 5.8 6.0	6.1 5.9		5.98	ns	
104	6.1 6.3	6.4		6.35 10		
105		7.5	7.3	7.40 11	n.s.	
106	6.4 6.6	6.5		6.55 01		
107		7.5	7.5	7.50 00		
108		9.1	9.1	9.10 00		
109		9.4	9.4	9.40 00		
110		8.21	8.21	8.80 00		
111		9.1	9.1	9.10 00		
112		↓	↓			
113		n.s.				
114						

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1917phae.proj.10620

Wednesday July 3, 1918.

Scale M. Mc Series 918 YELLOW

Mc 14839 Near Sect. 8 ob. 17 00 0.0

Diffr. Im. GC

	sc.1	sc.2		g	h		sc.2
1	B.			~~7.9~~ ~~8.0~~ 7.7	7.6	7.65 10	8.8
2	B.			~~8.2~~ 8.4	8.3	8.35 0.1	9.1
2a	B	B.		9.2	9	9.2 2.	ns.
3	4.2 44	4.3	4.35 0.1	ns	ns.		
4	6.1 63	6.3	6.30 00				
5	5.6 58	5.7	5.75 0.1				
6		8.0	7.9 7.95 0.1				
7		8.6	8.6 8.60 00				
8		9.4	9.3 9.35 0.1				
9		9.5	9.2 9.4 9.37 1.20				
10		f.	f.				
11		8.7	8.8 8.75 1.0				
12		ns.	ns				
12a		ns.	ns.				

3:45

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1917phae.proj.10820

Monday July 8, 1918.

Scale M. 1 x 30

Mc plates of Special Mc Series. A 2 x sequences.

Mc 14937 See H 4:92. Sc. M used by H. PC.

	sc. 1	sc 2	sc 2	sc. 1	sc 2	Diff.
1				6.8 5.7 5.9		1.09
2				6.5 6.7		0.56
3					7.3	0.14
4					off fil.	.
5					7.9	0.14
6	.				off fil.	
6a					8.2	..
7	—				—	
7a					8.7	−0.24
8	—				—	
8a						
9	B.				9.1	−0.22
10	B.				9.1	+0.05
11	4.0 4.2	3.8 H.2	4.2	+5.68	9.1	+0.13
12	4.0 4.2	4.2 H.2	4.2	5.72	only ft. brace seen.	
13	4.6 4.8	5.0 4.8	4.8	5.49		
14	4.7 4.9 4.8 5.0	5.2 5.2 5.18	5.08 ±11	5.31		
15	5.4 5.6	5.6 5.53	5.60 00	5.04		
15a	6.6 6.8	6.8 6.85	6.80 00	—		
16	5.3 5.5	5.6 ✓	5.55 ±0	5.20		
17	5.6 5.8	5.8 ✓	5.80 00	5.02		
17a	6.7 6.9	6.8 ✓	6.85 10	4.67		
18	6.7 6.9	7.1 ✓	7.00 ±1	4.68		
19		7.6 ✓		4.43		
20		7.4		4.41		
21		7.7		4.42		

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Monday July 8, 198

Scale M. Mc plate of Special Series
Mc 14937 cont-

	sc 2	sc 2			sc 2
22	8.4	8.4	8.40^{00}	+4.28	
23	9.2	9.1	9.15^{01}	4.07	
24	9.1	9.2	9.15^{10}	4.32	
25	9.6	9.6	9.60^{00}	4.09	
26	9	.	.	.	
27	1.	1.	.	.	
25a	9.2	9.1	9.15^{01}	..	
21b	8.2	8.3	8.25^{01}	4.33	
21a	7.8	8.1	7.95^{21}	4.15	
8b	B.	B.			9.5 −0.35

Airport or depot inc.?

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Monday July 8, 1918

Salem. Sequences around a2.

Mc 14837 cont

		g sc 1	g sc 2	h sc 1	h sc 2	Diff.	Diff.
	1	4.7 4.9		g	4.9 4.9	+2.09	2.09
	2	5.3 5.5		5.4 5.6	5.45 5.55 ±0	1.71	1.81
Edge	3	.		g			
	4	off		.			
Edge	5	Edge		.			
~~Edge~~	6	off.		.			
	6a		7.21	7.3	7.25 01	..	
	7a		7.4	7.4 ✓	7.40 00	1.06	
	8a		7.8	7.8 ✓	7.80 00	1.08	
	9		8.1	8.3 ✓	8.20 ±1	0.95	
	10		8.4	8.3 ✓	8.35 01	0.89	
	11		~~8.6~~ 8.6 rej. prob sup?	9.1	9.1 a	0.78	
	12		9.4	g	9.4 a	0.521	
	13		9.6	9.5	9.55 01	0.74	
	14		9.7	9.8	9.75 ±0	0.64	
	15		9.8	⅄.	9.8 a	0.84	
	15a		n.s.	n.s.			
	16		⅄.	⅄.			
	17		n.s	n.s			
	17a		n.s	n.s.			
	18						
	19						
	20						
	8b		8.3	8.2	8.75 10	+0.90	

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1917phae.proj.10220

Monday July 8, 1918.

Scale M. Sequence - A 2. Prec. + Foll.

Mc 14938 cont.

	sc 1	sc 2					Diff g	Diff h		Pc sc 2		
101	B.						q	-		7.9	0.05	7.85
102	B.						q	: Corr Dist.		8.7 q	-0.09	8.61
103	B.						q	.		9.5? q	-0.10	9.40
104	B.		Corr Dist.		Corr Dist		7.4	7.4 ✓	7.40 00 1.13 8.53 ✓	8.7	-0.09	8.61
105	q				curve		q	. . . .		ns.		
106	q				.		q	.				
107	5.6 5.4		6.0	5.6	5.6	5.12 5.12	ℓ	ns.				
108	5.3 5.1	5.9	5.7	5.1	5.30	00 5.30 5.24	10.72	10.72				
109	5.7 5.5	5.7	5.5	5.6	5.70	00 5.12 5.08	10.54	10.40				
110	5.8 5.6	5.7 6.1	5.9	5.6	5.75	01 5.12 5.05	10.78	10.72				
111	6.4 6.21	6.3	6.2	6.2	6.25	01 4.90 4.85	10.80	10.72				
112		7.3	7.1	7.2	7.25	10 4.56	11.20	11.10				
113		8.2	✓8.3		8.25	01 4.30	11.81	11.81				
114		8.6	✓8.5		8.55	01 4.25	12.55					
115		9.3	✓9.2		9.25	10 4.14	12.80					
116		9.6 q	9.6		9.60	00 4.08	13.39					
117		ℓ	ℓ . .				13.68					

assume 5.7

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Monday July 8, 1918.

Salem Az - Sequences Prec. + Foll. n + s.
mc 14937 cont-

	sc.1	sc.2			Diffr. g	h			PC sc.2		
201	B.			curve	q	1.3	7.8 .2	1.16 8.46	8.6	−0.09	8.51
201a	B.			.	8.3	8.2	8.25 10	0.94 9.19	9.3q	−0.10	9.20
202	B.			.	7.9	7.9	7.90 00	1.01 8.91	9.3	−0.10	9.20
203	3.9 3.7			. .	8.6	8.6	8.60 00	0.86 9.46	9.6	−0.10	9.50
204	B.			. .	8.3	8.3	8.30 00	0.92 9.22	9.3	−0.10	9.20
205	4.6 4.4			5.54 10.14	9.6	9.5	9.55 0±	0.73 10.28			
206	5.0 4.8			5.37 10.37	?	ns					
207	5.5 5.3	5.6		5.55 ± 0 5.14 10.69	ns	ns					
208	6.0 5.8	5.7		5.85 2± 5.02 10.87							
209	6.2 6.0	6.4		6.30 ± 1 4.87 11.17							
210	6.7 6.5	6.7		6.70 00 4.73 11.43							
~~210a~~				.					~~9.5~~		
211	6.7 6.5	6.8		6.75 ± 0 4.72 11.47							
212		8.1	8.1	8.10 00 4.34 12.44							
212a		8.4	8.4	8.40 00 4.28 12.68							
213		8.9	8.8	8.85 10 4.21 13.06							
213a		9.4	9.3	9.35 0! 4.13 13.48							
214		9.4	? 9.4?	9.40 00 4.08 13.48							
215		9.7?	9.9	--							
216		?	?								

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1917phae.proj.10820

Monday July 8, 1918.

Scale m. Arc Sequences Prec. & Foll. N. & South.
MC 14937 cont.

	sc 1	sc 2		curve	Magn.	Diff.	Inm.			P.C.
301	3.9 3.7				9.1	9.1	9.10	00	0.78 9.88	∓
302	4.2 4.0			5.71	9.91	9.2	q		0.76 9.96	ns.
303	5.5 5.3			5.16	10.66	ns	ns			
304	4.7 4.5	B.		5.50	10.20	q	q			
305	5.6 5.4	5.6		5.60	00	5.12	10.72	ns	ns.	
306	6.0 5.8	6.0		6.00	00	4.96	10.96			
307	5.8 5.6	5.7		5.75	0 ±	5.05	10.80			
308	6.2 6.0	6.3		6.25	01	4.88	11.13			
309	6.8 6.6	6.8		6.80	00	4.70	11.50			
310		7.6	7.6	7.60	00	4.45	12.05			
311		8.5	8.5	8.50	00	4.26	12.76			
312		9.2	9.1	9.15	0 ±	4.16	13.31			
313		9.3	9.2	9.25	10	4.14	13.39			
314		ns.	ns.							

stars 306 & 307 are of about same brightness
but 307 measures brighter.

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Monday July 8, 1918.

Scale m A2 Sequences prec. & foll.
Mc 1493 7 cont-

	sc.1	sc 7			g	h			P.C. sc 7
401	B.				6.5 (6.7 sc.1)	g	1.36	8.06	8.3 −0.04 8.26
402	B				g	g			8.3 −0.04 8.26
403	B.				g	g			9.8? ..
404	4.2 (4.4)		5.53	9.93	g	g			
405	4.6 (4.8 4.9 4.7)	5.2 (5.1)	5.36 (5.0 3 1.21)	10.36	ns	ns			
406	g	g		g					
407	5.2? (5.4)	5.6 g	5.16 (5.50 11)	10.66					
408	g	6.1 g	4.93	11.03					
409 extreme edge.	g	g		g					
410		7.2?	4.58	11.78?					
411		7.7	4.43	12.13					
412		8.3	4.30	12.60					
413		8.9	4.20	13.10					
414		9.4?	4.11	13.51?					
415		7.+g							
416		7.							

1.3 x

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Thursday July 11, 1918.

Scale V R 2. Sequences. prev & foll. YELLOW

155 & Mc 14850

see also W 2 : 24.

	sc.1	sc.2				Diff. q h	Diff	PC. sc.2	Diff.
1	B.					7.3 7.4	7.35 1 0 —	0.61 ~~0.36~~	8.3 ~~8.84~~ 8.04	-1.56
2	B					7.8 7.7	7.76 0 1	-0.99 ~~-0.31~~	9.3 ~~-0.99~~ 8.04	-2.54
3	B.					9 7.1			8.1 ~~-0.66~~	-1.58
4	off pl.					. .			.	
5	B.					7 7.			m.s.	
6	off pl.					. .				
7a	B.					8.9 9				
6a	~~7.0~~ 3.3					m.s m.s.				
8a	4.6					. .				
8b	4.6					. .				

					Diff.	
9	4.5	5.0	4.85	2 2		~~4.35~~ 3.86
10	4.8	5.4	5.18	2 2 2 1		~~4.12~~ 3.68
11	5.8	5.8	5.85	1 0		~~4.03~~ 3.38
12	6.7	6.9	6.85	0 1		~~3.07~~ 2.75
13	5.5	5.7	5.75	0 1		~~4.64~~ 3.45
14		7.7	7.7	7.70	0 0	2.18 ~~2.69~~
15		7.8	7.7	7.75	0 1	2.33 ~~2.89~~
15a		8.6	8.5	8.55	0 1	1.87
16		7.1	7.8	7.75	1 0	~~3.00~~ 2.26
~~16a~~						
17		7.3	7.5	7.40	1 1	~~3.42~~ 2.48
17a		9.5	9.5	9.50	0 0	~~2.02~~ 1.77
18		‡	‡	,		
19		‡	‡	.		
20		m.s.	m.s.	.		

Images from.

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1917phae.proj.10820

Thursday July 11, 1918

Scale V A 2 + sequences. YELLOW

MC 14850

	pc 1	pc 2	pc 3	Cum	q	h		pc 7
101	B.				9.3	9.4	9.35 ⊥ 0 .	PC
102	4.8 4.7			3.90	8.70	ns	.	ns
103	4.2 4.0	B.		.	.	ns.	ns. .	
104	3.4 3.3	B.		.	.	9.7?	9? .	
105	6.8 6.7	6.7		6.80	0 ⊥ 2.78	9.53		
106	6.9 7.0 6.8	7.1		7.05	0 ⊥ 1 2.65	9.70		
107		7.7	7.7	7.70	0 0	2.32	10.02	
108		8.5	8.6	8.55	⊥ 0	2.00	10.55	
109		8.1	8.1	8.70	0 0	1.95	10.65	
110		8.8	8.8	8.80	0 0	1.92	10.72	
#111		8.5	8.6	8.55	⊥ 0	2.00	10.55	
112		ns	ns.					

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Thursday July 11. 1918

Scale ✓ A2 + Sequences. YELLOW

MC 14850

	pc.1	pc.2		Curve Magn.	q	h	Pc	pc 2
201	4.2			.	ns	ns		f. n.s.
201a	4.6							
202	B.	B.			9.5?	q		
203	5.8	5.9		5.90 00	4.00	9.90	ns.	
204	5.5	5.8		5.70 1/	3.40	9.10		
205	6.5	6.7		6.65 0/	2.87	9.42		
206		7.3			2.50	9.80		
207		7.4			2.47	10.17		
Indefect 208		def.			.	.		
209		8.8	8.9	8.85 0/	1.90	10.75		
210		7.8	7.1	7.75 0/	2.30	10.05		
211		8.3	8.1	8.20 1/	2.11	10.31		
212		f.	f.	.		.		

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1917phae.proj.10820

Thursday July 11, 1918.

Scale # V A 2 + Sequences. YELLOW

Mc 14850

	pc.1	pc.2		Curve Magn.	g	h	pc.2
	6.7						
301	6.6	6.8		675	∠0	2.80	9.55		
302		7.2				2.57	9.77	N. S.	
303		7.4				2.47	9.87		
304		7.2				2.57	9.77		
305		8.8				1.92	10.72		
306		8.3				2.09	10.39		
307		8.1	8.1	810	00	2.16	10.26		
308		9.39	9.2	925	10	1.79	11.04		
309		8.9	8.8	885	10	1.90	10.75		
310		8.7	8.8	875	∠0	1.95	10.70		
311		~~8.7~~							
312		n/s.							

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1917phae.proj.10820

Thursday July 11. 1918

Scale V A 2 F Sequences. YELLOW

Mc 14850

	sc.1	sc.2		Cum Magn.	g	h		sc.2
401	B	B.			8.3	8.1	8.20 1/	9.5 - 2.61
402	6.1 6.0	6.1		6.10 00	3.17	9.27	ns	
403	4.8 4.7	5.1		4.95 2/	3.80	8.75	n.s.	
404	6.9 6.8	6.8		6.85 1 0	2.75	9.60		
405		7.8			2.27	10.07		
406	6.9 6.8	6.8		6.85 1 0	2.75	9.60		
407		7.6	7.7	7.65 0 1	2.38	10.03		
408		8.9	8.9	8.90 00	1.89	10.79		
409		8.6	8.5	8.55 0 1/	1.99	10.54		
410		F	F.					

7.50

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1917phae.proj.10820

Monday July 15, 1918

Scale V
1235

Rich Sect. Sft + Sequences.
mc 14862
See also Smy 7:135

P.C.

	pc.1	sc.2				pc.1	sc.2	Diff
1	B.					4.7 4.6		1.51
2	|					6.4 6.3		0.34
2a	|						8.2	,
3	|						7.8	0.09
4	|						8.3	0.08
5	B.						8.9	− 0.09
6	B				Diff.		9.3	0.06
6a	4	4.0 3.9			5.46		def? Im. fec.	
7a		4.5 4.4			,		us.	,
7b		5.2 5.1			,			
8		4.0 3.9			5.54			
9		4.5 4.4			5.35			
10		5.5 5.4	5.6		5.55 ± 0		5.09	
11		5.8 5.7	5.1		5.75 0 ±		4.82	
12		5.9 5.8	6.1		6.00 ± 1		4.77	
13		6.2 6.1	6.3		6.25 0 1		4.99	
14		6.8 6.7	6.8		6.80 0 0		4.72	
15		6.8 6.7	6.8	6.9	6.83 0 0 1		4.75	
16			7.5	7.5	7.50 0 0		4.77	
17			7.7	7.8	7.75 ± 0		4.45	
18			8.3	8.4	8.35 ± 0		4.20	
19			8.4	8.5	8.60 1 ±		4.11	
20			8.6	8.8	8.70 ± 1		4.42	
21			9.1	9.1	9.10 0 0		4.51	
22			9.4	9.4	9.40 0 0		4.41	

Im. very poor! Large + not comp. with scale

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1917phae..proj.108220

Monday July 15, 1918.

Scale V Rich Sect Sob. T Sequences.
MC 14862 cont- Diffr. Dm.

	g sc.1	g sc.2	h sc.1	h sc.2	Diff
1	3.5 3.4?		9[		2.71
2	5.3 5.2		9[		1.44
2a	6.9 6.8		9[		.
3	6.7 6.6	6601 L	6.5 6.4		1.29
4		7.4	9[		0.98
5		7.7	8.1	7.90 ≙2	0.91
6		8.3	8.4	8.35 L0	1.01
7		8.8	8.9	885 01	0.61
7a		9.2	9[		.
8		8.8	8.9	885 01	069
9		9.3	9[		0.55
10		9[	9.7?		0.94
11		f	f		.
~~7a~~		~~9.2~~	~~9[~~		.
7b		f	f		.

Images poor

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1917phae.proj.10820

Monday July 15, 1918.

Scale V Rich Scut. Sok. cont.
MC 14862

	sc 1	sc 2		Diffr. Cu.	q	h		Pc sc 1 / sc 2		
101	B			.	4.3 42 sc 1		2.11	6.41	5.5 5.4	0.90	6.40
102	|			.	6.6 6.5	all	1.19	7.79	6.7 6.6	0.31	7.01
103	|			.	q	6?	.	.	sc 2 8.1	0.06	8.16
104	q			.	q		.	.	8.9	0.00	8.90
104a	B.			.	|	hor.	.	.	n.s.	.	.
104b	4.4 4.3			5.37	9.77		.	.			
105	q	q									
105a	4.2 4.1	q		5.43	9.21		0.66	9.86			
106	q	q		.	q		.	.			
107	q	q		.	.						
108	6.6 6.5?	6.7?		6.65	01		4.74	11.39?			
109		7.6 8.5?	n.s.	7.6?	7.60	00	4.45	12.05?			
110		7.9?	8.1	q	8.00 1.1		4.33	12.33			
111		8.6	8.6	8.60	00		4.29	12.89			
112		8.8	9.1	8.95	2.1		4.36	13.31			
113		q	9.7?				.	.			
114			n.s.				.	.			

Very poor in corner

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1917phae.proj.10820

Monday July 15. 1918

Scale V Rich Scut Sok. cont-
Mc 18 4 8 62 cont-

	sc 1	sc 2		Diff. Im. q h			Pc. sc 2'		
201½	B.		:	B. B.	.	.	48 47 sc 2	1.38	6.18
201a 202	B		.	5.1 q	1.18	6.28	67 6 sc 2 / 7.2	0.31	7.01
202a	B.		.	q q	.	.	8.4	0.03	8.43
203	B		.	q q	.	.	8.8	0.00	8.80
203a	3.6 3.5		.	8.7 q	0.70	9.40	1.	.	.
204	B		.	8.7 q	0.70	9.40			
205	B		.	q nearly sq		.			
206	4.5 4.6 4		5.34	9.5 q	0.68	10.18			
207	4.6 4.5		5.33	9.93 1.	.	.			
208	q		.	.					
208a	q		.	.					
208b		7.6		4.45 12.05					
209		q	.	.					
210		q	.	.					
211		7.8	7.8	780 00	4.39 12.19				
212		8.9	8.9	890 00	4.34 13.24				
213		9.3 q	8.9	9.10 q 22	4.40 13.50				
214		9.8	9.8	980 00	.	.			

Images very poor, not at all comparable with Scale.

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1917phae.proj.10820

Monday July 15, 1918.

Scale V Rich Sept Sct. + Sequences.

Mc 14862

	sc.1	sc.2	sc.3	Cw.	Diffr.Im. g	h	Gc sc.1	sc.2	
301	B				q		5.7 5.6	0.80	6.50
301a	B				q		8.1 q	-0.01	9.09
301b	B.				q		9.3	-0.02	9.28
301c	B.				q		9.6	.	.
302	B.				q		9.0	0.00	9.00
303	B				7.3	1.03	8.33	8.1	0.06	8.16
303a	B				q			9.1	-0.01	9.09
304	q				q all			q	.	.
305	B.				6q					
306	B.				for.					
307	5.3 5.2	5.3		5.30 00	5.12	10.42				
308	B.	B.			.	.				
309	6.4 6.3	6.4		6.40 00	4.80	11.20				
309a		7.2	7.1	7.15 01	4.59	11.74				
310		7.4?	7.4?	7.40 00	4.52	11.92?				
Im. larger hazy 311		q	q		.	.				
312		8.1	8.1	8.10 00	4.31	12.41				
313		9.1	9.1	9.10 00	4.39	13.49				
314		9.2	9.3	9.25 01	4.43	13.68				

Im. very faint.

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1917phaa.proj.10820

Monday July 15, 1918

Scale of Rich Scat Sch + Sequences.
Mc1486 cont-

	sc.1	sc.2			g	h			Pc. sc.2		
401	B.				,	8~~7~~.5 g		0.98	8.48	8.7	0.00	8.70
402	B				,	8.2? g		0.80	9.00?	9.2	-0.02	9.18
403	3.7 4.6				,	8.7	g all	0.70	9.40	g	,	,
404	B.				,	9.1	bad	0.65	9.75			
405	5.0 4.9				5.20	10.20 mS.	poor.	,				
406	6.0 5.9				4.92	10.92						
407	6.2 6.1				4.86	11.06						
408	g	g			,	,						
409	g	g			,	,						
410		7.9? g	7.9? g	7.90	00	4.35	12.25?					
411		8.6	8.4	8.50	11	4.28	12.78					
412		9.1	9.1	9.10	00	4.40	13.50					
413		9.6	9.8	9.70	11	,	,					

Whole plate n.g., corners very poor.

140

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1917phae.proj.10820

Wednesday July 17, 1918.

Scale m. Pos Seq Sol. & Sequences. YELLOW
815 Mc 14926* see also Smw 7:123

	sc. 1	sc. 2				g	h			PC. sc 2
1	B.					7.7	7.6	7.65	10	9.4
2	B.					7.5	7.4	7.45	10	9.1
3	B.				Diff	9.1	8.9	9.00	11 −2.38	n.s.
4	3.6 3.4?				4.23	ns	n.s.	.	.	n.s.
5	B. +g									
6	4.6 4.4	B.								3.70
7	5.3 5.1	5.2	5.6 5.6		5.48 2 1/2 22					3.17
8	4.8 4.6		4.8		4.80 00					3.59
9	6.8 6.6		6.5		6.65 21					.247
10	6.6 6.4		6.21		6.40 22					.267
11	6.1 5.9		5.8		5.95 12					2.98
12			8.0	8.1	8.05 01					1.66
13			8.4	8.6	8.50 11					1.66
14			9.3							0.99
15			9.7	9.8	9.75 10					1.23

Im. from 1

*all images much elongated. Do not compare with Scale.

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1917phae.proj.10220

Wednesday July 17, 1918

Scale m. Prov. last Set. and Sequences. YELLOW
Mc 14926

	sc.1	sc.2		Diff. Im. g sc.1 h	PC- sc.2
101 B.				. 5.7? qf .	7.9 .
102 B.				. 5.7? qf .	7.8 .
103	5.8 5.6	5.6	5.70 11	3.10 8.80 ns .	
104	6.7 6.5	6.6	6.65 10	2.50 9.15	
105	7.3	7.1	7.20 11	2.15 9.35	
106	7.8	7.8	7.80 00	1.81 9.61	
107	qf	7.8? qf		1.81 9.61?	
108	9.2	9.2	9.20 00	1.20 10.40	
109	ns	ns		. .	
102a B.				. .	

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1917phae.proj.10820

Wednesday July 17, 1918.

Scale M Poor Seeing Sol. YELLOW

mc 14 9 26

	pc.1	pc.2		g pc.2	h pc.2	pc. pc.2
201	B.			7	7	ns.
202	B.			ns	ns	
203	B.	B.				
204	6.3 6.1	6.1	6.20 11	2.78	8.98	
205		7.7		2.04	9.44	
205a		7.9		1.75	9.65	
206	4.3 4.1	B.		3.85	8.15	
206a	4.5 4.3	4.5	4.50 00	3.75	8.25	
207		8.4		1.51	9.91	
208		n.s.				
206	5.3 5.1	5.21	5.25 10	3.38	8.63	

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1917phae.proj.10220

Wednesday July 17, 1918.

Scale M. Pow Exit Sit. YELLOW

MC 14 9 26-

	pc.1	pc.2		g	h	pc.
301	B.	B.		, ns	,	pc? ,
302	B	B		, ns.	,	ns. ,
302a	5.6 (5.8)	5.7	5.75 01	3.04	8.79	ns. ,
302b	6.1 (6.3)	6.4	6.35 10	2.68	9.03	
302c	6.8 (7.0)	6.8	6.90 11	2.34	9.24	
303	B.			,	,	
304	8.1	7.8	7.95 12	1.74	9.69	
305	7.4	7.2	7.30 11	2.10	9.40	
306	8.9	9.1	9.00 11	1.26	10.26	
307	7.6	7.6	7.60 00	1.92	9.52	
308	8.6	8.6	8.60 00	1.41	10.01	
308a	9.1	9.1	9.10 00	1.24	10.34	
309	ns	ns		,	,	
310	ns.	ns.		,	,	

Very much elongated !!

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1917phae.proj.10820

Wednesday July 17, 1918.

Scale m. Low Level Sk. YELLOW

MC 14936

						g	h		
	sc.1	sc.2	sc.2			sc.2	sc.2		sc.2
401	~~B~~offle.					,	ff fe.		—
402	B.					,	92 9.3	925 01	ns.
402a	55 5.3	5.3		540 11		329	869	ns	ns.
403		9.3				210	940		
403a		9.5	9.3	740 11		204	944		
404		8.1	8.1	810 00		168	978		
404a		8.5	8.5	850 00		145	995		
405		7 + 9				,	,		
406		9.2	9.3	925 01		119	1044		
407		n.s.	n.s.				,		
408.		7.	7.				,		

905

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1917phae..proj..108220

Thursday ~~July~~ September 12, 1918

Scale R. Poor Seat. Sob. Special Series plate.
11 25 MC 14950. see also O.W.B. Bk 5:14, 15

	sc.1	sc.2		Diff.
1	B.			
2				
3~~4~~				
~~4~~				
5				
6	q			
7	5.4 5.7			2.85
8	6.			
9	6.3 6.6			2.79
10	6.4 6.7			2.73
11	7.3 7.6			2.08
12	7.8 8.1	B.		2.13
13	8.6 8.9	8.6	8.75 1/2	1.83
14	8.8 9.1	9.2	9.15 ± 0	1.75
15		9.9	~~11.5~~	1.50
16		10.8		0.85
17		11.3		0.68
18		11.5		0.98
18a		11.8		
19		12.0	11.95 0/1 11.9	0.60
20		12.3	12.30 00 12.3	0.31
21		12.7	12.85 ± 2 13.0	0.56
22		q	9 00 13.40	
23		13.4	13.4	0.55
24		f.	f.	

Diffr. Inn

q	h		Diff.
6 7.1	sc.1 6.9		
7.8	8.6	7.00 1/2	-0.97
7.4 7.7	q	7.7 a.	-1.37
8.1 8.4	q	8.4 a.	-1.81
8.8 9.1	8.9 9.2	9.15 ± 0	-1.71
sc.1 10.1	sc.2 10.1	10.10 00	-2.28
10.3	q	10.3 a.	-2.06
11.1	11.1	11.10 00	-2.55
11.4	11.3	11.35 0/1	-2.31
11.8	12.1	11.95 21	-2.56
12.6	12.4	12.50 1/2	-3.07
12.7	q	12.7 a.	-3.02
13.3	q	13.3 a.	-3.07
q	q		
ns.	ns.		

P.C.

sc.1	sc.2	diff.
7.7	8.0	-1.97
8.3	8.6	-2.27
	9.6	-3.01
	10.9 ~~11.4~~	-3.26
	11.4	-3.58
	12.1	-3.86
	12.3	-3.75
~~13.0~~	13.0	-3.96
	13.9	-4.51

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1917phae.proj.10820

Thursday, September 12, 1918.

Scale R Prov Scut- Sok

mc 14950

	sc.1	sc.2	Curve	Magn.
101	B.		.	.
102			.	.
102a			.	.
103			.	.
104	B		.	.
105	6.7	7.0	2.50	9.50
106	7.4	7.7	2.23	9.93
107	7.9	8.2 8.1 8.150.1	2.07	10.22
108	8.7	9.0 9.1 9.050.1	1.73	10.78
109		10.6	1.09	11.69
110		10.9 10.85 10 10.8	0.99	11.84
111		11.6 11.60 00 11.6	0.71	12.31
112		g g	.	.
113		12.6 12.650.1 12.7	0.50	13.15
114		f f		

	g sc.1	g sc.2	h sc.1	h sc.2	Curve	Magn.
101	5.9	6.2			.	.
102	6.4	6.7			.	.
102a	Edge				.	.
103			f	11.6	-2.59	9.01
104			g	g	.	.
105			g	g	.	.
106			13.3	13.35 13.4 10	-3.12	10.23
107			f.	g		

	P.C. sc.1	sc.2	Curve	Magn.
101	6.8	7.1	.	.
102	8.8	9.1	-2.66	6.44
102a		12.2	-3.82	8.38
103	13	13.1	-4.09	9.01
104		13.2	-4.11	9.09
105		13.4	-4.18	9.22
106		f.		

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1917phae.proj.108200

Thursday September 12, 1918.

Scale R Prov Cent. Sol.

Mc 14950 cont=

	sc 1	sc 2	Curve	Magn.
201	B		.	
202			.	
203			.	
204			.	
205	7.0 7.3		2.39	9.69
205a	B 7.7 8.0		2.12	10.12
206	6.7 7.0		2.50	9.50
206a	B		.	.
206b	B.		.	.
207	7.9 8.2	8.1 8.15 o.l.	2.07	10.22
208	8.8 9.1	9.2 9.15 1.0	1.70	10.85
209		10.2	1.25	11.45
210		10.2	1.25	11.45
211		10.6 10.65 0.1 10.7	1.08	11.73
212		11.3 q 11.25 1.0 11.2	0.83	12.08
213		12.1 12.00 1.1 11.9	0.60	12.60
214		13.4 13.35 0.1 13.3	0.42	13.77
215		q q		

All images poor.

	q	h			PC			
sc 1	sc 2	sc 1	sc 2	Curve	Magn.	sc 1	sc 2 =	Curve	Magn.
7.7 8.0	q			-1.43	6.57	9.7		-2.94	6.76
9.4	9.45 0.1	9.5		-1.89	7.56	11.1?	q	-3.49	7.61?
11.1	q			-2.42	8.68	12.7		-3.98	8.72
12.1	11.95 1.2	11.8		-2.70	9.25	12.6?		-3.94	8.66?
q		12.6		-2.90	9.70	q?		.	.
13.4	q			-3.14	10.26	n.s.		.	.
12.7	q			-2.94	9.76	q		.	.
q		11.1		-2.43	8.67	12.9		-4.02	8.88
q	q					13.1		-4.09	8.9 01
						n.s.			

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1917phae.proj.10820

Thursday September 12, 1918

Scale 12 Poor Seeing Sat.

MC 14950

	sc.1	sc.2	Curve	Magn.	Diffr. Im. q h	Curve	Magn.	Pc. sc.2	Curve	Magn.
301	B.		·		9.1	-1.78	7.32	10.1	-3.32	7.38
302			·		q q	·	·	12.2	-3.81	8.39
302a			·		q q	·	·	12.7	-3.98	8.72
302b			·		12.3	-2.82	9.48	13.6	-4.25	9.35
302c			·		q	·	·	13.4 #	-4.27	9.43
303	B		·		q q	·	·	12.3	-3.85	8.45
304	q		·		q	·	·	7.		
305	6.8 7.1		2.46	9.56	13.2	-3.09	10.21			
306	8.2 8.5	8.3 8.40 ±	2.00	10.40	q					
307	8.9 9.2 9.0 9.3	9.4 9.30 ± 01	1.64	10.94						
308		10.1	1.29	11.39						
308a		11.2	0.85	12.05						
309		11.3	0.80	12.10						
310		12.1 12.15 ± 0 12.2	0.57	12.72						
311		12.7 12.75 ± 0 12.8	0.48	13.23						
312		12.9 13.00 ± 1 13.1	0.45	13.45						
313		13.3 13.35 ± 0 13.4	0.42	13.77						

Diffr. Im. very poor.

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1917phae..proj..10820

Thursday September 12, 1918.

Scalia Prov Lieut-Sol.

Mc 14950 cont.

		sc 1	sc 2	Curve	Magn.	Diffr Im. sc 2	sc 2	Curve	Magn.	P.C. sc 2	Curve	Magn.
Nfl	401	⊖		·	·	·	·			11.8	·	·
	402	B		·	·	10.1	q	-2.11	7.99	11.8? q	-3.61	8.19?
	402a	b.1		2.60	~~7.12~~ 9.30	q	q	·	·	7.		
	403	B.		·	·	q	12.5	-2.88	9.62	q		
	403a	B.		·	·	q	q			q		
	404	q		·	·	q	q					
	404a	B.		·	·							
	405	q		·	·							
	406	q		·	·							
	407	q		·	·							
	408		11.2	0.85	~~10.35~~ 12.05							
	409		q	·	·							
	410		13.4	0.42	~~12.98~~ 13.82							
	411		13.4	0.43	~~12.67~~ 13.53							

Image very poor – very large.

12 30

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1917phae.proj.10820

Friday September 13, 1918.

Scale m 11 — Near Scut Sob. — See also Sm Bk 7: 146.

MC 14889. — Plate with central ++ corner sequences

	sc 1	sc 2	Diff.	Diff.	Diff.	PC sc 1	Diff.
1				4.2 4.4 q	1.62	4.8 5.0	1.02
2				5.1 5.3 q	1.33	5.9 6.1	0.53
2a				5.3 5.5 5.3 5.5	1.27	6.1 6.3	0.47
3				6.6 6.75 6.55 6.5 6.7	0.77	sc 2	
4				7.8 sc 2 7.80 7.8	0.64	7.6	−0.08
5				8.1 q	0.68	8.7	−0.26
6	4.2 4.4		4.93	8.7 q	0.63	8.9	−0.12
7	4.8 5.0		4.86	9.1 q	0.76	9.3	0.03
8	5.7 5.9		4.64	9.3 9.45 9.6	1.09		
9	5.9 6.1		4.54	q 9.6	1.04		
10	6.1 6.3 6.2 6.1		4.54	ns. ns.			
11	6.2 6.4 6.50 6.6		4.40				
12	6.9 7.1 7.10 7.1		4.24				
12a		8.3	4.40				
13		7.8	4.26				
14		8.1	4.48				
14a		7.9	4.22				
14b		8.6	4.20				
15		8.5	4.38				
16		9.1 (8.1)	(4.45 5.45)				
16a		8.8	4.50				
17		9.4 9.35 9.3	4.51				
17a		8.9 9.00 9.1	4.45 ~~3.55~~				
17b		9.2 9.20 9.2	4.37				
K		9.9 9.90 9.9	4.60				

Examined plate and assumed wrong unit. Fintuade

Rare

plate poor. Comparison with scale difficult.

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Friday September 13, 1918.

Scale m Near Scut - Sob.

mc 14889. cont.

	sc.1	sc.2	Curve Magn.		Diffr. Curve Magn. q	h	Pc. Curve Magn. sc.2		
101	B				1.2: q	0.71	7.91	8.7	-0.18	8.52
102	B.				q	q		8.8	-0.17	8.63
103	Of Edge.				.	.		Off.		
104	4.9	5.1	4.79	9.89	8.7	q	0.68	9.38	scr.	
105	6.1	6.3	4.48	10.78	ns	ns.				
106	6.1	6.3 6.30 6.3	4.48	10.78						
107	6.1	6.3 6.20 6.1	4.50	10.70						
108	6.1	6.3 6.25 6.2	4.49	10.74						
109		q								
110	6.5	6.7 6.70 6.7	4.38	11.08						
111		7.8	4.29	12.09						
112		8.3	4.33	12.63						
113		8.6	4.38	12.98						
114		8.7	4.40	13.10						
115		9.1	4.47	13.57						

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Friday September 13, 1918.

Scale m. Near Sect. Sch.

Mc #4889. cont-

	sc.1	sc.2	Corr Magn.	q	h	RC. sc.2	Corr Magn.
201	B.			all		8.8	-0.17 8.53
202	B					9.3	0.00 9.30
203	5.4	5.6	4.67	10.27			
204	5.4	5.6	4.67	10.27			
205	5.3	5.5 5.50	4.69	10.19			
206	5.3	5.5 5.50	4.69	10.19			
207	6.8	7.0 6.90	4.33	11.23			
208		def?	.				
209		4.2	4.28	11.48			
210		8.1	4.31	12.41			
211		8.2	4.32	12.52			
212		8.5	4.36	12.86			
213		9.0 9.05 9.1	4.45	13.50			
214		9.2 9.25 9.3	4.49	13.74			
215		9.6 9.60 9.6	4.55	14.15			

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1917phae.proj.10820

Friday September 13, 1918.

Scale m. Near Sept Sol.

Mc 14 889 cont

	sc.1	sc.2	Crow Magn.		Diffr. Inn.	Pc. per 2	Crow Magn.
301	B+q				q	9.2?	-0.03 9.17
302	B.				all too	8.8	-0.17 8.63
303	4.2	4.4	4.95	9.35	poor.	9.6	. .
303a	4.2	4.4	4.95	9.35	q	9.3	-0.01 9.29
303b	4.8	5.0	4.81	9.81	q	ns.	
304	5.1	5.3 B.	4.74	10.04			
305	5.9	6.1 6.10 6.1	4.51	10.61			
306	q	q	~~+~~	.			
307		7.1	4.30	11.40			
308		7.8	4.29	12.08			
309		8.8	4.41	13.21			
310		9.1 9.15 9.2	4.48	13.63			
311		9.2 9.20 9.2	4.48	13.68			
312		9.3 9.30 9.3	4.50	13.80			
318		f. f.		.			

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1917phae.proj.10820

Friday September 13, 1918

Scale M Near East- Sof-

Mc 14889

	sc.1	sc.2	Curve Magn.		Diff Inv. sc.1	Curve Magn.		PC. sc.2	Curve Magn.
401	B.				6.4 q	0.92	7.32	7.9	-0.12 7.78
402	B				q q	.		8.6	-0.19 8.41
403	defective				8.8 q	0.70	9.50	9.7	. .
Off pl. 404	~~8.8~~				. .			.	
405	4.8 5.0		4.81	9.81	q q				
406	q				q q				
407	5.7 5.9	5.7 5.80	4.61	10.41	ns ns.				
408	6.3 6.5	6.5 6.50	4.42	10.92					
409		7.5	4.29	11.79					
410	~~7.8~~	7.8	4.29	12.09					
411		7.8	4.29	12.09					
412		8.2	4.32	12.52					
413		8.8 8.80 8.8	4.40	13.20					
~~414~~		8.9? 8.90 8.9? q	4.42	13.32					
415		9.5 9.60 9.7	4.55	14.15					
416		scr. scr.							
417		f. f.							

1205

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