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Observing Book. 25.

Mostly Southern plates. M.E. O'Reilly

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This book examined for underlining, and corrections
entered in Bks 27 and 34.
O. August 5, 1917-

Observing Book 25

M. E. O'Reilly

Mostly Southern plates.

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Although measures in this book and in all of my books were recorded in order of brightness, the plates were measured in as irregular order as possible, to obtain independent observations.

Sept. 11, 1918.

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Friday January 12, 1917.

Cofnid B 34:44

Scale m.

B Series 123.

Alt Corr + 06

B 4644 2 — 15 2 K. — 12 26

	sc.1	sc.2		Cu.		g	h			B.C. sc.2	
	38					7.20 00					
1	3.6	B.		4.00	7.80	7.2	7.2	0.44	7.64	88 – 1.33	7.47
	6.1					9.10 00					
2	5.9	6.0	6.05 1 0	3.340	9.45	9.1	9.1	0.12	9.22	"	"
	6.4					9.55 1 0					
3	6.2	6.5	6.45 0 1	3.34	9.79	9.5	9.6	0.04	9.59		
	6.8					9.75 1 0					
4	6.6	6.9	6.85 0 1	3.30	10.15	9.7	9.8	0.00	9.75		
5		7.4		3.28	10.68	m.s.	m.s.	"	"		
6		7.6		3.28	10.88						
7		7.9		3.29	11.19						
8		8.1		3.29	11.39						
9		8.4		3.30	11.70						
10		8.4		3.30	11.70						
		8.75 0 1									
11		8.8	8.7	3.32	12.07						
		8.90 0 0									
12		8.9	8.9	3.33	12.23						
13		"	"	"	"						
		9.20 1 1									
14		9.3	9.1	3.335	12.55						
		9.30 0 0									
15		9.3	9.3	3.336	12.66						
		9.45 0 1									
16		9.4	9.5	3.39	12.84						

Very close to large defect in glass.

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Friday, January 12, 1917. Cofried B 34:68

Salem. B Series 123. Alt Corr +02

B 46443 176 K. 12h 48

	Sc.1	Sc.2		Cu.		g h Sc.2			P.C. Sc.2
1	58 5.6	5.7	5.75 0	3.44	9.19	8.8	0.18	8.98	4.
2	65 6.3	6.4	6.60 1	3.31	9.91	9.65 10 9.7	9.6	0.02	9.67 ws.
3	66 6.4	6.8	6.70 1	3.30	10.00	9.65 10 9.7	9.6	0.02	9.67
4		7.6		3.28	10.88	ws. ws.	.	,	
5		8.1		3.29	11.39				
6		8.35 1 0 8.3	8.4	3.30	11.65				
7		8.30 1 1 8.21	8.4	3.29	11.59				
8		8.5		3.30	11.80				
9		8.8		3.32	12.12				
10		9.1		3.35	12.45				
11		9.3		3.36	12.66				
12		9.30 0 0 9.3	9.3	3.36	1266				
13		9.55 0 1 9.6	9.5	3.39	12.94				
14		9.95 1 0 9.4 ws.	10.0	3.42	13.37				
15		9.95 1 0 9.9	10.0	3.42	13.37				

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Friday January 12, 1917.

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Scale M.

B Series 123.

Alt Cor −08

B 46444 31 Ks 12h 51

						9 h					Pc.	
	Pc.1	Pc.2	Pc.7	Cu.		Pc.7	Pc.2				Pc.2	
	4.9					7.75 p. 1.0						
1	4.1			3.62	8.52	7.7	7.8 p.	0.38	8.13		9.4 − 1.35	8.05
	5.2					8.15 0.1						
2	5.0	5.1	5.15	0.1 3.55	8.70	8.2	8.1	0.31	8.46		9.6 − 1.34	8.26
	5.7					8.45 1.0						
3	5.5	5.6	5.65	1.0 3.46	9.11	8.5	8.4	0.24	8.69		t.p. .	.
	6.1											
4	5.9	6.1	6.10	0.0 3.40	9.50	t.p.	t.p.	.	.			
	6.7					9.50 0.0						
5	6.5	6.5	6.60	1.1 3.31	9.91	9.5	9.5	0.05	9.55			
	7.1					9.80 0.0						
6	6.9	7.1	7.10	0.0 3.28	10.38	9.8	9.8	0.00	9.80			
7		7.6		3.28	10.88	n.s.	n.s.	.	.			
8		7.9		3.28	11.18							
9		7.9		3.28	11.18							
10		8.21		3.29	11.49							
		8.60	0.0									
11		8.6	8.6	3.31	11.91							
		8.65	1.0									
12		8.7	8.6	3.31	11.96							
		9.20	1.1									
13		9.3	9.1	3.36	12.56							
		9.45	1.2									
14		9.3	9.6	3.39	12.84							
		9.90	0.0									
15		9.9	9.9	3.42	13.32							

10 iff images from.

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Scale m. B Series 123. Alt Corr + 07

B 46445 129 K.

	sc 1	sc 2		Cu.		sc 2 q	sc 2 h			P.C sc 2
1	B.	B.		.	.	7.45 10 7.5	7.4	0.42	7.87	8.9 – 1.34 7.56
2	5.4 5.2	5.6	5.50	1.349	8.99	9.10 00 9.1	9.1	0.12	9.22	ns. . .
3	5.4 5.2	5.4	5.40	00 3.51	8.91	9.20 9.2	9.20	0.11	9.31	
4	6.8 6.6	6.8	6.80	00 3.30	10.10	10.0	7.	– 0.04	9.96	
5		7.9		3.28	11.18	ns.	ns.	.	.	
6		7.9		3.28	11.18					
7		8.1		3.29	11.39					
8		8.9		3.34	12.24					
9		8.9		3.34	12.24					
10		9.0		3.34	12.34					
11		9.4	9.4	9.40 00	3.38	12.78				
12		9.7	9.6	9.65 10	3.40	13.05				
13		9.7	9.6	9.65 10	3.40	13.05				
14		9.9	9.8	9.85 10	3.41	13.26				
15		9.9	9.9	9.90 00	3.42	13.32				
16		7.	7.		.	.				

3 appears slightly brighter than 2.

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Friday January 12, 1917-

Sheet 57.

Scale m.

B Series 123.

B 4644 46 Cy-

	sc.1	sc.2				B.C sc.2
1	+ f.		.			8.1 – 1.25
2	+ f.		.			8.1? v.f. – 0.99
3	B.		.			9.4 – 1.29
4	4.0 3.8	B.		4.20		9.5 – 1.30
5	4.8 4.6	4.9	485	01	3.71	10.0 – 1.44
6	5.0 4.8 5.1 4.9	5.3	5.1 5.12	1.020	3.82	10.0 – 1.06
7	5.8 5.6	5.6	5.70	1 1	3.50	
8	6.0 5.8	6.1	6.05	01	3.55	
9	6.5 6.3 from	6.5	6.50	00	3.31	
11	6.8 6.6	6.8	6.80	00	3.31	
12	7.1 6.9	7.1	7.10	00	3.26	
13		7.3			3.36	
15		7.8			3.19	
16		7.8			3.43	
17		8.1			3.46	
19		8.65 10 8.1 8.6			3.36	
20		8.65 10 8.4 8.6			3.61	
21		9.60 00 9.6 9.6			3.21	
22		9.70 1 1 9.6 9.8			3.56	
23		9.85 01 9.8 9.9			3.55	
24		+ +			.	

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Scale m. B Series 123.

	B 46 446. g sc.1	sc.2	h sc.1	sc.2	Cη.	Diff. 1m.
1	tfr.		tfr.			.
2	tfr.		7.3			0.41
3	tfr.		7.9			0.21
4	tfr.		7.9			0.30
5	8.2	8.25 01	8.3			0.31
6	8.1	8.70 00	8.1			0.24
7	tfr.		9.0			0.20
8	9.5	9.45 10	9.4			0.15
9	tfr.		9.5			0.31
11	tfr.		tfr.			.
12						
13						
15						
16						
17						

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Scale m.

B Series 123.

Alt Cor. +02

B 46447. 177 K. $13^h\ 49^m$

	pc.1	pc.2				pc.2				pc.2	
	5.1					8.35 0.1					
1	4.9	5.1	5.10	0 0	3.56	8.66	8.4	8.3	0.27	8.62	9.5 — 1.35 8.15
	7.0										
2	6.8	6.9	6.95	0 ±	3.29	10.24	‡	10.1	0.13	10.23	ns. .
	7.1										
3	6.9	7.0	7.05	1 0	3.29	10.34	‡	‡	.	.	
4		7.3			3.28	10.58					
5		7.6			3.28	10.88					
6		7.8			3.28	11.08					
7		8.1			3.29	11.39					
8		8.1			3.29	11.39					
9		8.4			3.30	11.70					
10		8.4			3.30	11.70					
		8.55	1 0								
11		8.5	8.6		3.31	11.86					
		8.70	0 0								
12		8.1	8.1		3.32	12.02					
		9.05	1 0								
13		9.1	9.0		3.34	12.39					
		9.50	1 ±								
14		9.6	9.4		3.39	12.89					
		9.80	0 0								
15		9.8	9.8		3.41	13.21					

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Scale m B Series 123. Alt Corr. −.08

B 46448 83 Ks. 1 4 27.

	sc.1	sc.2	Cu.		g	h			P.C. sc.2
					sc.2				
1	B		.	.	765 01				
	5.8				7.6 7.1		0.40	8.05	9.2 − 1.35 7.87
2	5.6	5.6	5.70	1 3.45	9.15	8.60 00			
	5.9				8.6 8.6		0.21	8.81	n.s. . .
3	5.7	5.8	5.85	1 0 3.42	9.27	900 1 1			
	7.0				8.9 9.1		0.14	9.14	
4	6.8	7.1	7.05	0 1 3.28	10.33	995 01			
	7.0				100 9.9		− 0.04	9.91	
5	6.8	6.9 7.1	7.05	0 1 3.28	10.33	100 tp.		− 0.04	9.96
		785 10			ns. ns.		.	.	
6		1.9 1.8		3.28	11.13				
		7.80 00							
7		1.8 1.8		3.28	11.08				
		775 1 0							
8		1.7 1.8		3.28	11.03				
9		8.1		3.29	11.39				
10		7.9		3.28	11.18				
11		8.1		3.29	11.39				
12		8.4		3.30	11.70				
		875 1 0							
13		8.1 8.8		3.32	12.07				
		9 20 0 0							
14		9.2 9.2		3.35	12.55				
		955 2 1							
15		9.4 9.7		3.39	12.94				
		9.80 0 0							
16		9.8 9.8		3.41	13.21				
17		4 N.S.	.		.				

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Salem.

B Series 123.

Alt Corr. +06

B 46449 154K 14h 23

	sc.1	sc.2		Cu.		q h. sc.2				Pc sc.2
1	5.8 (6.0)	6.1	6.05 0	3.40	9.45	9.40 0 0 9.4	9.4	0.06	9.46	n.s.
2	6.6 (6.8)	6.8	6.80 0 0	3.30	10.10	9.85 1 0 9.9	9.8	-.01	9.84	
3		8.1		3.29	11.39	n.s.	n.s.	.	.	
4		8.1		3.29	11.39					
5		8.1		3.32	12.02					
6		8.9		3.34	12.24					
7		9.3	9.40 0 0	3.36	12.66					
8		9.4	9.4	3.38	12.78					
9		9.5 (9.55 1 0)	9.6	3.39	12.94					
10		9.1	n.s. tp.	3.40	13.10					
11		10.0 (10.00 0 0)	10.0	3.44	13.44					
12		f.	f.	.	.					
13										
14										
15										

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Scale M. B Series 123. Alt Corr. -06

Ⓑ 46450 34 Ks. 14 48

						g	h			P.C.
	sc 1	sc 2	sc 3			sc 2				P.C.
1	5.0 4.8	5.1	5.05 0 1	3.358	8.63	8.65 1 0 8.7	8.6	0.21	8.86	10.0 − 1.34 8.66
2	6.1 5.9	5.9	6.00 1 1	3.340	9.40	9.50 0 0 9.5	9.5	0.05	9.55	ns .
3	7.0 6.8	7.0	7.00 0 0	3.29	10.29	†	†	.	.	
4		7.4		3.28	10.68	ns	ns.	.	.	
5		7.8		3.28	11.08					
6		8.1		3.29	11.39					
7		8.21		3.29	11.49					
8		8.5		3.20	11.70					
9		8.8		3.33	12.13					
10		9.0		3.34	12.34					
11		9.20 1 1 9.1	9.3	3.35	12.55					
12		9.30 0 0 9.3	9.3	3.36	12.66					
13		9.65 1 0 9.7	9.6	3.39	13.04					
14		9.95 1 0 9.9	10.0	3.42	13.37					
15		†	†	.	.					
16			†	.	.					

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Scale m.

B Series 123.

Alt Cor -08

B46451 195 K⇓ 14 58

	sc 1	sc 7	sc 2	Cu.		g	h			P.C. sc 2
1	5.3 5.1	5.5	5.40	⊥ 1	3.51	8.91	8.2 9.1	t/p.	0.30	8.50	98 – 1.34 8.46
2	5.9 5.7	5.9	5.90	0 0	3.42	9.32	9.1	t/p.	0.13	9.23	ws .
3	6.5 6.3	6.6	6.55	⊥ 0	3.31	9.86	9.35 ⊥ 0 9.3	9.4	0.08	9.43	
4	7.1 6.9	7.2	7.15	⊥ 0	3.28	10.43	9.90 ⊥ 1 10.0	9.8	−0.03	9.87	
5		7.5			3.28	10.78	ws	ws	.	.	
6		7.5			3.28	10.78					
7		7.7			3.28	10.98					
8		7.7			3.28	10.98					
9		7.9			3.28	11.18					
10		8.1			3.29	11.39					
11		8.2 8.55	0 1		3.29	11.49					
12		8.6	8.5 8.75	⊥ 0	3.31	11.86					
13		8.7	8.8 9.10	0 0	3.32	12.07					
14		9.1	9.1 9.65	1 0	3.35	12.45					
15		9.7	9.6 9.90	0 0	3.40	13.05					
16		9.9	9.9		3.42	13.32					

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Sheet 57

Friday January 12, 1917.

Scale m. B Series 123.

B 46452 C 8.

	pc.1	sc.2		
1				
	5.0			3.09
3	4.8			~~2.84~~
4	4.9 tf.			
6a	4.7			3.89
8	5.4 5.2			3.57
	5.8			
9	5.6	5.8	5.8000	3.42
	6.3			
11	6.1	6.3	6.3000	3.21
	6.5			
12	6.3	6.5	6.5000	3.25
	6.8			
14	6.6	6.8	6.8000	3.17
15		7.2		3.16
16		7.2		3.32
18		7.5		3.18
21		8.2		3.22
22		8.4		3.42
25		8.9		3.36
		9.45	0	
26		9.4	9.5	3.28
		9.80	0	
27		9.8	9.8	3.51
		10.10	00	
28		10.1	10.1	3.76
29		n.s.		

sc.2			sc.2
g	h		
tf.	6.8	0.40	8.1 – 1.50
tf.	7.6	0.49	9.6 – 1.51
tf.	tf.		9.9 – 1.58
tf.	8.4?	0.39	10.0 – 1.21
8.9	tf.	0.07	tf.
9.4	tf.	– 0.18	
	9.55	1.0	
9.5	9.6	– 0.04	
	9.85	0	
9.8	9.9	– 0.10	
tf.	tf.		

12:05

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Shut 57

Monday, January 15, 1917.

Scale m.

B Series 126.

B 46467 c6.

		sc.1	sc.2			PC sc.2
1	B			.		8.4 − 1.64
2	B			.		8.5 − 1.62
3	B			.		9.2 hoar. − 1.69
4	4.2 4.0	4.1	4.15	0	3.41	9.3 − 1.74
5	tk	4.8			2.97	9.3 − 1.53
6	5.0 4.8	5.3	5.15	2	3.06	9.6 − 1.39
9	5.3 5.1	5.5	5.40	1	3.19	9.9? − 1.31
10	5.5 5.3	5.6	5.55	0	3.35	n.s. .
10a	6.0 5.8	5.8	5.90	1	3.16	
12	6.1 5.9	6.1	6.10	00	3.24	
13	6.8 6.6	6.8	6.80	00	2.89	
14		7.2			2.86	
16		7.7			2.82	
17		7.8			2.98	
18		8.1			3.01	
21		8.2			3.06	
22		8.5			3.04	
23		8.65 8.1	8.6	10	3.18	
24		9.00 8.9	9.1	1	3.16	
25		9.15 9.1	9.2	0	3.18	
26		9.50 9.5	9.5	00	3.18	
27		9.60 9.6	9.6	00	3.52	
28		9.80 9.8	9.8	00	3.48	
30.		f	f		.	

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1917phae.proj.10790

Monday January 15, 1917.

Scale M. B Series 126.

B 4646 7 C 6 - Diff. Inv.

	g sc.1	g sc.2	h sc.1	h sc.2	
	6.3				
1	6.1		tfr.		0.46
2	tfr.		tfr.		.
3	tfr.		7.6		-0.09
4	7.6	7.6000	7.6		-0.04
5	tfr.		tfr.		.
6	8.1	8.1000	8.1		0.11
9	8.4	8.4501	8.5		0.14
10 8	tfr.		8.8		0.10
10a	tfr.		8.9		0.16
12 9	9.4	9.3501	9.3		-0.01
13 10	9.7	9.7000	9.7		-0.01
14	tfr.		9.8		0.26
16	n.s.		n.s.		.

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Scale M

B series 126.

Alt Corr-0g

B 46468 29 Ks η Carinae 10^h to - 59

P.C.

	Ro.1		Cw.	g	h		Ro.2
1	5.2 5.0	5.4 5.30	1 3.32	8.62	sup.	sup?	9.5? -1.85 7.65? thick region
2	5.4 5.2	5.6 5.50	1 3.28	8.78	tf.	tf.	
3	6.4 6.2	6.5 6.45	0 1 3.03	9.48	9.4	nearly sup.	-0.18 9.22 9.46
4	6.4 6.2	6.5 6.45	0 1 3.03	9.48	9.1 9.20	1 1 9.3	-0.17 9.03 ~~9.36~~
5	7.1 6.9	6.9 7.00	1 1 2.90	9.90	tf	9.6	-0.09 41 9.64
6		7.4	2.86	10.26	ident uncertain (many ft. stars)		
7		7.7	2.86	10.56			
8		7.9	2.86	10.76			
9		8.2	2.90	11.10			
10		8.6	2.97	11.57			
11		8.6	2.97	11.57			
12		8.8 8.875 0 1 8.9	2.99	11.74			
13		8.7 8.70 0 0 8.7	2.98	11.68			
14		9.2	3.05	12.25			
15		9.2	3.05	12.25			
16		9.4 9.945 0 1 9.5	3.10	12.55			
17		9.6 9.80 1 1 9.7	3.16	12.96			
18		9.8 9.80 0 0 9.8	3.16	12.96			
19		10.1 10.10 0 0 10.1					

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Scale M. B Series 126 – Alt Corr – .09

B 46468 η Carinae 10h 40

		sc.1	sc.2	Cu.			Diffr. Ims.			P.C. sc.2	
	a	4.4 4.2	4.5 4.45 01	3.76	3.56	8.01	tf.	7.1 0.18	7.28	8.1	–1.33 –1.80 6.90
dbl.	a'	5.1 4.9	5.1 5.10 00	3.56	3.38	8.48	tf. tf.	: :		8.8? 9.1	–1.33 –1.81 6.99
	b	5.4 5.2	6.4 6.40 00	3.34	3.04	9.44	tf. tf.	: :		sup.	. .
				3.51	3.30	8.70	sup.	. .			
dbl.	b'	.		.	.	.	tf. tf.	. .		9.1 9.1	–1.35 –1.84 7.26 –1.35 –1.84 7.26
dbl.	a^2 &	4.9 4.7?		3.62	3.45	8.35	tf. tf.	. .			.
	a^3	5.3 5.1	5.3 5.30 00	3.53	3.33	8.63	8.1 tf.	–0.05	8.05		–1.28
	a^4	5.2 5.0		3.54	3.35	8.55	8.10 00 8.1 8.1	–0.05	8.05		–1.28
	a^5	5.3 5.1		3.53	3.33	8.63	tf. 8.2	–0.07	8.13	9.7	–1.35 –1.85 7.85
	c	5.4 5.2	5.3 5.35 01	3.51	3.31	8.66	tf. 8.1	–0.05	8.05	9.7	–1.35 –1.85 7.85
	d	5.4 5.2	5.5 5.45 01	3.50	3.30	8.75	8.2 8.20 00 8.2	–0.07	8.13		
	e	5.8 5.6	5.1 5.75 01	3.44	3.21	8.96	8.5 8.55 10 8.6	–0.11	8.44		
	f	6.0 5.8	5.8 5.90 11	3.42	3.17	9.07	tf. tf.	. .			
	g	5	1.2	3.28	2.88	10.08	ns. ns.	. .			
	g'	6.0 5.8	6.2 6.10 11	3.39	3.12	9.22	tf. 8.6	–0.12	8.48		
-59 2784		3.5 3.3		.	3.85	7.35	tf. 6.5	0.38	6.12	8.4	–1.31 –1.77 6.67
-59 2772		5.1 4.9		3.56	3.39	8.49	tf. tf.	. .		9.6	–1.34 –1.85 7.75
-59 2735		6.0 5.8		3.40	3.14	9.14	tf. tf.	. .		ns.	. . .
-59 2693		5.0 4.8		3.58	3.41	8.41	8.1 tf.	–0.04	8.06	9.4	–1.35 –1.85 7.55
-60 2307		6.0 5.8		3.40	3.14	9.14	tf.	. .		ns.	. . .
-60 2320		5.9 5.1		3.42	3.17	9.07				ns.	. . .
-60 2199		B.		.	.	.				8.5	–1.31 –1.88 6.62
	α	4.1 3.9		3.89	3.66	7.76	tf. 7.1	0.18	7.28	8.6	–1.32 –1.80 6.80
stars too close	β	.		.	.	.					

Deg for η Carinae difficult to measure, on account of some of the C.S. double, and some P.C. – sup. on diffr. Ims. Region thick.

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Scale M

B Series 126 - Alt Con - 11

B 46469 30 Ks 11h 03

		sc 1	sc 2		Cu.	Magn.	g	h			P.C. sc 2
f =	1	47 4.5			3.50	8.20	tf.	tf.	.		9.1 − 1.83 7.27
c =	2	50 4.8	5.1	505 01	3.40	8.45	tf.	tf.	.		9.5 − 1.85 7.65
	3	56 5.4	5.6	560 00	3.25	885	8.4	tf.	− 0.10	8.50	f. , ,
d =	4	59 5.7	5.9	590 00	3.17	9.07	8.6	tf.	− 0.12	8.72	
	5	63 6.1	6.2	625 10	3.08	9.33	9.4	9.5 01	− 0.18	9.63	
	6	67 6.5	6.6	665 10	2.98	9.63	tf.	tf.	.	.	
	7		7.4 ~~8.2~~	ws.	2.87	10.27					
	8		7.8		2.88	10.68					
Remeas. Feb. 8, 17	9		8.3		2.90	11.20					
sc 2	10		8.1		2.98	11.68					
8.8	11		8.8 ~~9.2~~	ws.	3.00	11.80					
9.4	12		8.8		~~3.00~~	~~11.80~~					
9.6	13		9.0		~~3.03~~	~~12.03~~					
9.9	14		9.9		3.20	13.10					
copied 44: 198	15		10.0		.	.					
RS	a	42 4.0			3.63	~~783~~ 7.83	tf.	tf.			8.1 − 1.80 6.90
1 = f											
2 = c											
4 = d											
	d'	67 6.5	6.6	665 10	2.98	9.63	tf.	tf.	.		
	f	66 6.4	6.5	655 01	3.00	9.55	tf.	tf.	.		
	g	70 6.8	6.8	690 11	2.92	9.82	9.7	tf.	− 0.20	9.50	
dlc	h		8.2		2.90	11.10					
	k		7.8		2.87	10.67					
	l		7.9		2.88	10.78					
	m		8.1		2.89	10.99					

for correct stars
Wrong stars meas. See measures in left hand column. Rej. O. Feb. 8, 1917.
marking on B ref. plate not clear, better marking on A " "

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Monday January 15, 1917.

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Scale m. B Series 126. Alt Con – 10

B 4647 0 193 K. 11h 28

	sc.1	sc.2			g sc.2	h sc.3		PC. sc.?
1	5.2 5.0			3.35 8.55	tf.	8.1	−0.05 8.05	sup.?
2	5.6 5.4	5.6	5.6000	3.24 8.84	tf.	sup.	. .	n.s.
3	6.2 6.0	6.2	6.2000	3.08 9.28	9z	tf.	−0.17 9.03	
4	6.8 6.6	7.0	6.90 ± 1	2.92 9.82	9.8 9.8		−0.20 9.60	
5	7.0 6.8	6.9	6.950 ±	2.91 9.86	‡	sup.	. .	
6		7.5		2.86 10.36				
7		7.5		2.86 10.36				
8		8.0		2.87 10.87				
9		8.4		2.93 11.33				
10		8.6		2.97 11.57				
11		8.65 8.7	1.0 8.6	2.98 11.63				
12		9.25 9.2	0.1 9.3	3.06 12.31				
13		9.35 9.3	1.0 9.4	3.08 12.43				
14		9.55 9.6	0.1 9.5	3.11 12.66				
15		9.85 9.8	0.1 9.9	3.18 13.03				
16		10.00 10.0	00 10.0	. .				

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Monday January 15, 1917.

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Scale m

B Series 126.

Alt Con 00

B 46471 175 K. 11h 38

	sc 1	sc 2			sc 2	sc 2			P.C. sc 2	
1	B.	B.	.	.	H.	1.9	− 0.02	7.88	9.4	− 1.85 7.55
2	5.3 5.1	5.5	540	1 3.30	8.70	8.8	+ f.	− 0.14 8.66	f.	.
3	7.0 6.8	7.1	7.05	0 1 3.00	10.05	ws	ws.	. .		
4		7.8		2.87	10.67					
5		8.0 low		2.88	10.88					
6		8.2 low		2.90	11.10					
7		8.2		2.90	11.10					
8		8.7		2.98	11.68					
9		8.9		3.00	11.90					
10		9.10 00 9.1 9.1		3.04	12.14					
11		9.20 00 9.21 9.21		3.06	12.26					
12		9.40 00 9.4 9.4		3.09	12.49					
13		9.45 10 9.5 9.4		3.10	12.55					
14		f. f		.	.					
15		f. f.		.	.					

Image peculiar.

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Sheet 57

Monday January 15, 1917.

Scalm. B Series 126-

B 46472 C7.

	sc.1	sc.2		Diffr.Sum. g h		P.C. sc.2
1	B.		,	tp. tp.	,	9.2 - 2.35
2	tp.		,	tp. 7.8	- 0.09	9.9 - 2.19
3	tp.		,	8.4 8.4	- 0.29	n.s. ,
4	4.3 4.1		3.90	8.55 1.0 8.5 8.6	- 0.35	
5	5.0 4.8	5.1	5.05 01 3.51	8.80 00 8.8 8.8	- 0.24	
6	5.4 5.2	5.5	5.45 01 3.49	9.15 1.0 9.1 9.2	- 0.21	
7	6.1 5.9	6.1	6.10 00 3.10	9.55 01 9.6 9.5	- 0.35	
8	6.6 6.4	6.5	6.55 01 3.05	7 10.0	- 0.40	
9	6.8 6.6	6.9	6.85 01 2.96	ns ns.	,	
11		7.4	2.71			
12		7.5	2.86			
13		7.8	2.86			
15		8.2	2.79			
16		8.4	2.83			
17		8.70 00 8.7 8.7	2.86			
19		9.30 00 9.3 9.3	2.71			
20		9.45 01 9.4 9.5	2.81			
21		9.8? def?	3.01			
22		7.	,			
23						
24						

1:05

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Wednesday January 17, 1917.

Shut-58

Scale m.

B Series 126.

8:30- B 46472 Cy-

		sc.1	sc.2		Pe. sc.2
1	B.			.	9.2 – 2.35
2	45.3 4.7 Thaw			3.21	10.0 – 2.29
3	4 fl.	B.		.	ws. .
4	47 45	4.8	4.75	1 0 3.45	
5	5.1 4.9	5.21	5.15	1 0 3.41	
6	56 5.4	5.7	5.65	0 1 3.29	
7	6.3 6.1	6.1	6.20	1 1 3.00	
8	6.6 6.4	6.5	6.55	0 1 3.05	
9	6.8 6.6	6.9	6.85	0 1 2.96	
11		7.4		2.71	
12		7.4		2.96	
13		7.8		2.86	
15		8.2		2.79	
16		8.5		2.73	
17		8.60 8.6	8.6	0 0 2.96	
19		9.25 9.3	9.21	1 0 2.76	
20		9.25 9.3	9.21	1 0 3.01	
21		9.95 9.9	10.0	1 0 2.86	
22		J. 4.		.	
23					
24					
25					

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Wednesday January 17, 1917 ..

Datum. B Series 126 -

B 4672 : eq - Diff. dms

	g		h	
	sc.1 sc.2		sc.1 sc.2	
1	th.		th.	,
2	th.		7.9	-0.19
3	8.5	8.4510	8.4	-0.34
4	8.6	8.6000	8.6	-0.40
5	8.1	8.7510	8.8	-0.19
6	9.3	9.2510	9.2	-0.31
7	9.6	9.5501	9.5	-0.35
8	9.8	9.8501	9.9	-0.30
9	ws.		ms.	,
11				
12				
13				
15				

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Scale M- B Series 126- Alt Con + 05

B 46473 153K-

	sc 1	sc 2	Cu.		Diff Im. q	Diff Im. h			B.C. sc 2
	5.5				8.75 1.0				
1	5.3	5.6 5.55 ± 0	3.06	8.61	8.1	8.8	− 0.33	8.42	w.s.
	6.3				9.85 1.8				
2	6.1	6.5 6.40 ± 1	2.97	9.37	9.9	9.8	− 0.39	9.46	
	7.1								
3	6.9	7.1 7.10 0.0	2.93	10.03	1	1	.	.	
4		7.5	2.91	10.41					
5		7.9	2.89	10.79					
6		8.1	2.89	10.99					
7		8.2	2.89	11.09					
8		8.4	2.89	11.29					
9		8.5	2.90	11.40					
10		8.1	2.90	11.60					
		8.85 0.1							
11		8.8 8.9	2.90	11.75					
		9.40 0.9							
12		9.4 9.4	2.94	12.34					
		9.55 0.1							
13		9.6 9.5	2.94	12.49					
		9.70 1.1							
14		9.6 9.8	2.95	12.65					
		10.00 0.0							
15		10.0 10.0	2.98	12.98					

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Cafried B 34, 86

Scale m. B Series 1-26- Alt Corr — 10

B 46474 94 K- 12h 58m

	sc 1	sc 2			g	h			Pe. sc 2		
1	4.6 4.4	4.5	4.55	0 1	3.19	7.74	7.70 00 7.1	7.1	— 0.24	7.46	9.0 — 2.36	6.64
2	5.2 5.0	5.3	5.25	0 1	3.10	8.35	8.40 00 8.4	8.4	— 0.31	8.09	n.s.	.
3	7.0 6.8	6.9	6.95	0 1	2.94	9.89	9.85 1.0 9.9	9.8	— 0.39	9.46		
4		7.4			2.91	10.31	n.s.		.	.		
5		7.4			2.91	10.31						
6		8.0			2.89	10.89						
7		7.9			2.89	10.79						
8		8.5			2.90	11.30						
Var. 9		8.1			2.89	10.99						
10		8.1			2.90	11.60						
11		9.2	9.15	0 1 9.1	2.91	12.06						
12		9.4	9.40	00 9.4	2.94	12.34						
13		9.1	9.70	00 9.1	2.95	12.65						
14		9.9	9.95	1.0 10.0	2.96	12.91						
15			4.		.	.						

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Pcalm. B. Series 126. Alt Com. −16

B 46475 D9-

	sc.1	sc.2		Cw.		Pc. sc.2
1	4.8 4.6			3.16	7.96	w.s.
2	tf.			.	.	
3	4.8 4.6			3.16	7.96	
4	4.9 4.1	tf.		3.15	8.05	
5	5.1 4.9	5.2	5.15 1 0	3.11	8.26	
6	5.3 5.1	5.2	5.25 1 0	3.10	8.35	
7	5.7 5.5	5.6	5.65 1 0	3.05	8.70	
8	tf.	tf.		.	.	
9	5.8 5.6	5.6	5.70 1 1	3.05	8.75	
10	6.6 6.4	5.6	.			
11	6.7 6.5	6.6	6.65 1 0	2.96	9.61	
12	6.9 6.7	6.7	6.80 1 1	2.94	9.74	
13	7.0 6.8	6.9	6.95 0 1	2.94	9.89	
14		7.3		2.91	10.21	
15		7.4		2.91	10.31	
16		7.4		2.91	10.31	
17		7.7		2.90	10.60	
18		8.0		2.89	10.89	
19		8.1		2.89	10.99	
20		8.1		2.89	10.99	
21		8.4	8.35 0 1 8.3	2.89	11.24	
22		8.3	8.35 1 0 8.4	2.89	11.24	
23		8.7	8.75 1 0 8.8	2.90	11.65	
24		8.7	8.70 0 0 8.7	2.90	11.60	
25		9.5	9.40 1 1 9.5	2.94	12.34	
26		9.8	9.80 0 0 9.8	2.96	12.76	

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Wednesday, January 17, 1917

Scalem

B Series 126 -

B 4647.5 Dg cont-

	sc 2 9.80	sc 2 00		
27	9.8	9.8	2.96	12.76
28	n.s.	n.s.	,	,
29				
30				

P.C. faint

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Wednesday January 17, 1917.

Scale m-

B Series 126-

B 4647 5

	g sc.1	g sc.2	h sc.1	h sc.2	Diff Inn.	
1	tfr.		7.9		-0.26	7.64
2	tfr.		tfr.		.	.
3	tfr.		8.1		-0.28	7.82
4	8.1	8.10 00	8.1		-0.28	7.82
5	8.2	8.15 01	8.1		-0.29	7.86
6	8.1	8.70 00	8.1		-0.34	8.36
7	9.1	9.10 00	9.1		-0.35	8.75
8	tfr.		tfr.		.	.
9	9.1	9.10 00	9.1		-0.35	8.75
10	tfr.		10.0		-0.39	9.61
11	n.s.		n.s.		.	.
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

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Wednesday January 17, 1917.

Copied B 34, 22

Scale M. B Series 126. Alt Corr +07

B 6477 130 K $14^h\ 08^m$

		sc.1	sc.2	sc.3				P.C. sc.2
		6.0				9^h 8.75 L.O		
	1	5.8	5.1	5.85 2 L 3.02	8.87	8.1 8.8	− 0.34 8.41	ws.
	2	6.1 5.9	6.1	6.10 0 0 3.01	9.11	due to bisector 9.1	− 0.36 8.74	
	3	6.7 6.5	6.8	6.75 L 0 2.95	9.70	tf. 10.0	− 0.39 9.61	
	4		7.2	2.92	10.12	ws. ws.	. .	
	5		7.4	2.91	10.31			
	6		7.6	2.90	10.50			
	7		8.5	2.90	11.40			
	8		8.5	2.90	11.40			
	9		8.0	2.89	10.89			
	10		8.7	2.90	11.60			
			9.35 L 0					
a	11		9.3 9.4	2.94	12.29			
9.4			9.35 L 0					
	12		9.3 9.4	2.94	12.29			
—	13		~~9.2 def?~~	~~2.95~~	.			
			9.55 L 0					
9.6 9.4	14		9.5 9.6	2.95	12.50			
\	15		ws. ws.	.	.			

No Error in reduction. orig. meas. O.K.

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Wednesday January 17, 1917.

Scale m -

B Series 126 -

B 4647 8 C8 -

	Ec.1	Ec.2			Ec.2
1	4.2 4.0			3.00	f?
3	5.2 5.0			2.89	n.s.
4	th.	th.		.	
8	5.9 5.1	5.9	5.90	0 0 3.07	
9	6.2 6.0	6.1	6.150	± 3.07	
11	6.5 6.3	6.6	6.55	± 0 2.96	
12	7.0 6.8	6.8	6.90	1 ± 2.85	
14		7.2		2.77	
15		7.6 5		2.86	
16		7.6		2.92	
18		7.9		2.78	
21		8.5		2.92	
20a		8.1		3.12	
22		8.8		3.02	
25		9.80 ± 1 9.2 9.4		2.96	
26		9.95 ± 0 9.9 10.0		2.78	
27		9.95 ± 0 9.9 10.0		3.36	
28		n.s.	n.s.	.	
30					

C.C. faint

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Sheet 58

Wednesday January 17, 1917 -

Salem.

B series 176.

B 4647 8 C8

9 h

	sec 1	sec 2	sec 1	sec 2	
1	tfr.		7.6		-0.40
3	8.4	8.40 00	8.4		-0.31
4	tfr.		tfr.		,
8	9.2	9.25 01	9.3		-0.28
9	9.6	9.65 01	9.7		-0.43
11	10.0	10.00 00	10.0		-0.49
12	↓		↓		,
14	ms.		ms.		,
15					
16					
18					
21					
22					
25					
26					
27					
6a	tfr.		tfr.		

10

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1917phae.proj.10790

Saturday January 20, 1917.

Sheet 59

Scale m.

B Series 307.

10 : 30 B 48293 C12-

	sc.1	sc.2			O.C. sc.2
1	B.		.		8.2 — 1.60
2	B		.		8.6 — 1.61
3	B		.		9.0 — 1.72
4	tf.	tf.	.		9.21 — 1.64
5	tf.	4.6		3.24	9.5 — 1.66
6	5.1 4.9	5.1	5.10 0 0	3.12	9.7 — 148
8	t.f.	tf.	.	.	tf. .
9	6.1 5.9	6.1 poor	6.10 0 0	2.91	
11	6.0 5.8	5.8	5.90 1 1	3.41	n.s.
12	6.1 5.9	6.5	6.30 2 2	3.31	
14	7.0 6.8	6.9	6.95 0 1	2.96	
16		7.5		2.88	
17	17	7.6		3.05	
17a	2	7.9		3.18	
18		8.1	8.80 0 0	3.20	
20		8.8	8.8 9.08 1 0	3.10	
21		9.1	9.0 9.40 0 0	3.18	
23		9.4	9.4 10.15 1 0	3.61	
24		10.1 #	10.2	3.29	
26		n.s.	.		
27					
29					

Region not in center of plate.
Images very poor.

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Saturday, January 20, 1917.

Scale m. B Series 307.

B 48293 C 12. Diff. Inn.

	g		h		
	Sc.1	Sc.2	Sc.1	Sc.2	
1	59		tk.		0.70
2	tk.		tk.		
3	tk.		tk.		
4	tk.		tk.		
5	tk.		tk.		
6	tk.		tk.		
8	tk.		tk.		
9	tk.		tk.		
11					
12					
14					
16					
17					
18					
20					

Diff. Inn. very poor.

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Saturday January 20, 1917.

Copied B 27, 92–

Salem

B Series 304–

Alt Corr +07

B 48294 D12 23 – 15°.

P.C.

	pc.1	cc?	Cu.		pc?		
					945 01		
1			.		94 95	– 1.60	7.85
					905 01		
2			.		90 91	– 1.63	7.42
3	5.0 4.8	5.1	5.05 01	3.12 8.17	tfv. 98? dfy? 10.00 00	– 1.59	8.21?
4	B	5.1		3.11 8.21	98 10.0 10.0 990 00	– 1.53	8.47
5	B.	5.1		3.11 8.21	99 99	– 1.54	8.36
6	5.3 5.1	5.2	5.25 1 0	3.10 8.35			
7	5.7 5.1	5.6	5.75 1 2	3.04 8.79			
8	5.8 5.6	5.8	5.80 00	3.04 8.84			
9	5.7 5.1	6.1	6.00 1 1	3.03 9.03			
10	6.3 6.1	6.1	6.20 1 1	3.00 9.20			
11	6.4 6.2	6.4	6.40 00	2.99 9.39			
12	6.5 6.3	6.4	6.45 1 0	2.99 9.44			
13	6.8 6.6	6.7	6.75 0 1	2.97 9.72			
14		7.1		2.96 10.06			
15		7.3		2.97 10.27			
16		7.4		2.98 10.38			
16a		7.8		2.99 10.79			
17		8.1		3.02 11.12			
18		8.2		3.04 11.24			
19		8.2		3.04 11.24			
20		8.5		3.07 11.57			
21		8.5		3.07 11.57			
22		8.6		3.08 11.68			
23		9.1		3.15 12.25	P.C. from.		
24		9.2		3.18 12.38			
25		9.4		3.21 12.61			
26		9.5	945 10 9.4	3.22 12.67			

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Saturday January 20, 1917.

Sc. M. B Series 30 +

B 48294 D12 -

	sc			
	950	01		
27	9.6	9.5	3.24	12.79
	985	10		
28	9.9	9.8	3.29	13.14
	995	10		
29	9.9	10.0	3.32	13.27
30	7.	7.	,	.
31	m.s.		.	,

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Saturday January 20, 1917.

Scale M-

B Series 304-

B 48294 cont D12. Diff. Images.

	g sc.1	sc.2	h sc.1	sc.2		
1	7.9		tf.		-0.28	7.62
2	tf.		tf.		.	.
3	8.4	8.35 0.1	8.3		-0.20	8.15
4	8.3		tf.		-0.18	8.12
5	8.3	8.30 0.0	8.3		-0.18	8.12
6	8.6	8.60 0.0	8.6		-0.23	8.37
7	8.7	8.70 0.0	8.7		-0.25	8.45
8	8.8		tf.		-0.27	8.53
9	9.2	9.25 0.1	9.3		-0.30	8.95
10	9.7	9.60 1.1	9.5		-0.30	9.30
11	9.5	9.55 1.0	9.5	6	-0.30	9.25
12	9.5	9.55 1.0	9.6		-0.30	9.25
13	9.8	9.85 0.1	9.9		-0.29	9.56
14	#		#		.	.
15						
16						
17						
18						
19						

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Saturday January 20, 1917.

Salem

B series 304.

B 48295 ⅓3 20-15°

	sc.1		sc.2
			P.C.
1	B	.	9.1
2	B.	.	tf.
3	tf.	.	9.6
4	tf.	.	9.5
5			9.5
6	tf.	.	9.9
7	tf.	.	9.7
8	tf.	.	9.7
9	tf.	.	10.0
10			ns.
11			
12			
13			
14			
15	Plate rejected by Miss Leavitt		
16			
17	Images poor.		
18			
19			
20			
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24			
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26			

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Saturday January 20, 1917-

Scale m

B Series 304-

B 48295

pc 2

87
88
89
90

Rejected by H. S. L.

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Saturday January 20, 1917.

Scale m.

B Series 304.

B 48295 F3 Diffr. Inn.

g h

sc. 1 sc. 2 sc. 1 sc. 2

1
2
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10 Plate rejected by Miss Leavitt.
11
12 Too poor.
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Saturday January 20, 1917.

Cofuid 44:20

Scale m.

B Series 304 7

Alt Con - 25

B 48296. Small Cld. o 28 - 72.8 Sequence I.

Seq. I

	pc.1	sc.2			Diff. Inn. pc.2	h sc.2	PC. sc.2	
a	B.		.		tf.	tf.	8.7	−1.66 7.04
b	B.		.		tf.	tf.	9.2	−1.62 7.58
c	tf.		.		tf	tf.	9.9	−1.54 8.36
d	49 4.7?		tf.	3.14	8.04	tf	tf.	ws , ,
e	5.3 5.1	5.3	5.30 00	3.09	8.39	tf	9.6? from	−0.30 9.30?
f	tf.	tf.	.	.	tf.	tf.		
h		7.1		2.96	10.06			
k		7.2		2.96	10.16			
l		7.9		3.00	10.90			
m		8.10 00 8.1		3.02	11.12			
n		8.46 1 0 8.5	8.4	3.06	11.51			
o		8.80 00 8.8		3.11	11.91			
p		9.35 01 9.4	9.3	3.20	12.55			
r		9.85 from 01 9.8	9.9 from	3.29	13.14			

Sequence II has from.

Sequence I, not in center of pl.

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Saturday January 20, 1917. Capricid 44:24

Salem B Series 307 Alt Corr - 29

B 48797 - Sm. Cld. o 36 - 7.44 Sequence II.

	sc.1	sc.2			Diff. Sm.			P.C. sc.2	
					h				
a	B.		.		tfr.	tfr.		8.1	7.04
b	B		.		tfr.	tfr.		166 scr.	.
c	B.		.		tfr.	tfr.		9.6 -1.59	8.01
d	tfr.	tfr.	.		tfr.	tfr.		ms	,
e	5.6	5.8	ms	3.04	tfr.	9.4	-0.30	9.10	
f	tfr. 6.7	tfr.	.	.	tfr.	tfr.			
g²	6.5	6.9	6.80 1	2.97	ms	ms			
k²		7.9		3.00	10.90				
h²		7.5		2.98	10.48				
l		8.0		3.00	11.00				
m		8.5		3.06	11.56				
n		8.6 8.65 01	8.1	3.08	11.73				
o		8.7 8.75 1 0	8.8	3.11	11.86				
p		9.3 9.35 1 0	9.4	3.20	12.55				
q		9.1 9.65 1 0	9.6	3.25	12.90				
r		9.9 9.90 0 0	9.9	3.30	13.20				
s		ms. ms.	.	.					

Sequence II not in centre.

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1917phae.proj.10790

Saturday January 20, 1917 -

Sheet 59

Scale m.

B Series 30

B 48 304 C1 -

	sc 1			Diff Im. q h			P.C. sc 2
				7.48 0.1			
1	B.		.	7.4	7.5	0.27	9.0 - 1.82
2	B.		.	7.5	tf.	-0.11	9.1 - 1.71
				7.55 1.0			
3	B.		.	7.5	7.6	- 0.05	9.2 - 1.70
4	B.	tf.	.	tf.	tf.	.	9.4 - 1.44
	5.3			8.55 1.0			
5	5.1	5.4	5.35 1.0 2.98	8.5	8.6	-0.22	9.9 - 1.57
1a	6.1 5.9	5.8	5.95 1.2 2.91	tf.	9.1	-0.24	
				9.60 1.1			
9	6.3 6.1	6.3	6.30 0.0 2.98	9.5	9.7	-0.32	
				9.90 0.0			
11	6.9 6.7	6.8	6.75 1.0 2.94	9.9	9.9	-0.21	
				ws.	ws.	.	
12		7.3	2.72				
13a		7.1	2.74				
14		7.9	2.72				
15		8.1	2.94				
16		8.4	2.80				
17		8.6	2.90				
18		8.1	3.24				
18a		8.8					
19		9.1	3.11				
20		9.5	3.12				
21		9.8	3.09				
24		ws.	.				
25		tf.	.				

12.45

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Shut 59

Tuesday
Saturday January 27, 1917.

Scale m.

B Series 307.

10:45 B 48293 C 12.

	sc. 1	sc. 2		Diffr. Imm. g h	D.C. sc 2
1	tfr.		.	tfr. tfr.	8.4 – 1.80
2	tfr.		.	tfr. tfr.	8.6 – 1.61
3	tfr.		.	tfr.	8.9 – 1.62
4	tfr. 4.5		.	tfr.	9.21 – 1.64
5	4.3		3.34	tfr.	9.4 – 1.56
6	5.1 5.9	5.1	5.10 0 0 3.12	tfr.	def?
8	tfr. 6.1	tfr.	.	tfr.	
9	5.9	6.1	6.10 0 0 2.91	tfr. 9.1? low – 0.09	
11	5.1 5.9	5.8	5.85 1 0 3.46	‡ tfr.	
12	6.2 6.4	6.4	6.40 0 0 3.21	‡ ‡	
14	6.6 6.8	6.8	6.80 0 0 3.11		
16		7.3	3.08		
17		7.5	8.05 1 0 3.15		
17a		8.1	8.0 8.10 0 0 3.03		
18		8.1	8.1 8.80 0 0 3.20		
20		8.8	8.8 9.10 0 0 3.10 3.13		
21		9.1	9.1 9.85 0 1 ~~2.38~~		
23		9.8	9.9 10.10 0 0 3.16		
24		10.1	10.1 3.34		

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B 48300 81-

	sc.1	sc.2			sc.2 − Diffr. Inn. g h	Pc. sc.2	
1					//	8.8 − 1.66	7.14
2					th.	9.1 − 1.66	7.44
3	th.		.			9.1 − 1.66	7.44
4	th.		.			9.2 − 1.624	7.56
5	th.		.		th.	9.3 − 1.624	7.66
6	4.6		3.05	7.85	th.	9.1 − 1.5760	8.10
7	th.		.	.		1 .	.
8	4.7 4.5	poor	3.08	7.78		1 .	.
9	th.		.	.	th.	10.0? − 1.56	8.44
10	th.		.	.	th.		
11	th.		.	.			
12	th.	th.	.	.	th.		
13	th.	th.	.	.			
14	6.4 6.2	6.4	6.40	0 0	2.95	9.35	
15	6.8 6.6	6.6	6.70	1	2.974	9.64	
16	6.8 6.6	6.7	6.75	0	2.964	9.69	
17		7.3			2.964	10.24	all Diffr. Inn. too poor.
18		7.8?			2.975	10.75?	
19		8.3			2.98	11.28	
20		8.4			2.99	11.39	
21		8.4			2.99	11.39	
22		th.		.		.	
23		9.1		3.05		12.15	
24		9.3		3.10		12.40	
25		9.1		3.21		12.86	
26		9.8		3.21		12.99	

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Tuesday January 22, 1917.

Scale m.

B 483000 E1- cont-

sc>

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Tuesday January 23, 1917.

14 Ks Cofnick B 34! 101
Sm Cld " " 44! 34

Scale m- B Series 30!- Alt Conv - 25

B 4830! Sm. Cld. 14 Ks. 1 02-727

		sc.1	sc.2	sc.3	Cw.		sc.2	sc.3	sc.4
14 KS →							g	h	
Sequence IV	1	6.1 5.9	5.9	6.00 1 1	2.96	8.96	tk.	tk.	ms.
	2	6.7 6.5	6.8	6.75 1 0	2.94	9.69	tk.	.	
	3	7.0 6.8	6.9	6.95 0 1	2.94	9.89	tk.	.	
	4	5	7.5		2.95	10.45			
	5		7.1		2.95	10.65			
K⁴ =	6		7.9		2.96	10.86			
	7		8.1		2.97	11.07			
	8		8.4³		2.98	11.28			
η =	9		8.65 0 1 8.6	8.7	3.01	11.66			
	10		8.50 1 1 8.4	8.6	3.00	11.50			
	11		8.60 0 0 8.6	8.6	3.00	11.60			
	12		8.7		3.01	11.71			
	13		8.95 1 2 9.1	8.8	3.04	11.99			
	14		9.35 0 1 9.4	9.3	3.11	12.46			
	15		9.65 0 1 9.6	9.7	3.16	12.81			
Sequence IV →	a	tk.					tk.	tk.	.
common to both Sequences.	b	4.3 4.1			3.14	7.44	tk.	tk.	.
	c	tk.	tk.		.	.	tk.	tk.	.
	d	5.7 5.5	5.7	5.70 0 0	2.97	8.67	8.7	tk.	− 1.66 − 0.18 8.52
	e	6.0 5.8	5.9	5.95 0 1	2.96	8.91	9.35 2 1 9.2	9.5	− 1.64 − 0.16 9.19
	f	6.5 6.3	6.4	6.45 1 0	2.95	9.40	tk.	9.6	− 1.61 − 0.15 9.45
	g		8.2		2.97	11.17	ms	ms	. .
	m		8.5		3.00	11.50			
	o		9.1		3.05	12.15			
	p		9.4		3.12	12.52			

8.8	− 1.66	7.14	
9.1	− 1.66	7.44	
9.8	− 1.60	8.20	
ms	.	.	

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Tuesday January 23, 1917.

Scale m. D Series

B 48 301 cont.

Sequence IV sc.1 sc.2

f	10.1	3.24	13.34
g	7.2	2.94	10.14

Copied 44; 32

Sequence III

see prec. page for a-f.

	sc.1	sc.2					
h³	7.0 6.8	6.8	6.90	2.94	9.84	⊥	⊥ n.s. n.s.
g³	6.6 6.4	6.6	6.60	2.94	9.54	⊥	⊥
k³	6.8 6.6 from	6.8	6.80	2.94	9.74	⊥	⊥
l	th.	th.	,		,		
m		7.1		2.95	10.65		
n		8.1		2.96	11.06		
o		8.6		3.00	11.60		
p		8.6 from		3.00	11.60		
q		9.0		3.04	12.04		
r		9.2		3.08	12.28		
s		def. near	,		,		

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Tuesday January 23, 1917.

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Scale m-

B series 307.

Alt Corr +06

B 48302 141K- 104-297.

	sc.1	sc.2	sc.3		g h	Pc. sc.2 m.s.
1	5.3 5.1	5.4	5.35	L 0 2.99	8.34 tf. tf.	
2	6.1 5.9	6.1	6.10	0 0 2.95	9.05 tf. tf.	
3	6.2 6.0	6.3	6.25	0 1 2.95	9.20 tf. tf.	
4	6.3 6.1	6.3	6.30	0 0 2.95	9.25 tf. tf.	
5		7.5		2.94	10.44	
6		7.1		2.95	10.65	
7		8.0		2.96	10.96	
8		8.1		2.96	11.06	
9		8.4		2.99	11.39	
10		8.4		2.99	11.39	
		8.55	L 0			
11		8.5 8.6		3.00	11.55	
		8.85	1 0			
12		8.9 8.8		3.04	11.89	
		9.30	L 1			
13		9.2 9.4		3.10	1240	
		9.30	L 1			
14		9.2 9.4		3.10	12.40	
		10.00	0 0			
15		10.0 10.0		3.23	13.23	

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Sheet 59

Tuesday January 23, 1917-

Scale m

B Series 307-

B 48 304 C1-

	sc.1	sc.2			g	h		sc.2	
					9	h.			
					7.40 0 0				
1	B.		.		7.4	7.4	−0.22	8.8	−1.62
2	th.		.		7.4	th.	−0.01	9.1 from	−1.71
3	th.		.		th.	th.	.	9.2	−1.70
4	th	th.	.		th.	.	,	9.5	−1.54
5	5.3 (5.5)	5.5	5.50 0 0	2.83	8.55 0 1			9.9	−1.57
7a	5.7 5.1? from	th.		2.96	8.6	8.5	−0.22	w.s.	.
	6.4 6				th.	.			
9	5.2	6.5	6.45 0 1	2.83	9.45 0 1				
w. unit.	6.9				9.4	9.5	−0.17		
11	6.1	6.8	6.85 1 0	2.84	9.85 0 1				
12		7.1		2.92	9.8	9.9	−0.16		
13a		7.5		2.94					
14		7.9		2.72					
15		8.2		2.84					
16		8.4		2.80					
		8.65 1 0							
17		8.1	8.6	2.85					
		9.00 −1							
18		8.89	9.1	2.94					
		8.90 0 0							
18a		8.9	8.9	.					
		9.15 −0							
19		9.1	9.2	3.06					
		9.60 1 1							
20		9.7	9.5	3.02					
21		7.	d	.					
24		w.s.		.					
25									

12; DS

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Wednesday January 31, 1917.

Sheet 60

Scale m.

B Series 308.

9 20 B 48305 C1-

	sc.1	sc.2		Diff.	P.C. sc.
	4.0				
1	3.8			3.18	8.9 – 1.72
2	t.f.			.	8.9 – 1.51
3				.	9.1 – 1.60
4	t.f.			.	9.5 – 1.54
	5.0				
6	4.8	4.9	4.95 0 1	3.38	9.8 – 1.47
7a	t.f.	t.f.			t.f.
9	5.8 5.6	5.6	5.70 1 1	3.58	
	6.0				
11	5.8	6.1	6.05 0 1	3.64	
	6.3				
12	6.1	6.4	6.35 1 0	3.67	
14		7.4		3.52	
15		7.6		3.44	
16		7.8		3.40	
17		8.1	8.70 0 0	3.40	
		8.1			
18		8.1	8.45 0 1	3.24	
18a		8.5	8.70 0 0		
19		8.1	8.1	3.51	
20		9.7	9.60 1 1	3.02	
		9.5	9.90 0 0		
21		9.9	9.9	2.99	
24		n.s.	n.s.	.	
25					
26					
27					

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Wednesday January 31, 1917.

Scale m. B Series 308.

B 48 305 C1- Diffr Inn.

	g sc.1	g sc.2	h sc.1	h sc.2	
1	tfr.		tfr.		
2	tfr.		tfr.		
3	tfr.		7.1		0.40
4	tfr.		tfr.		
5	tfr		tfr.		
9	9.1		tfr.		-0.42
11	ns.		ns.		
12					
14					
15					
16					
17					
18					
19					
20					
21					
24					

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Scalem

B Series 308.

Alt Corr. +06

B 48306 142 K.

	sc.1	sc.2	sc.1	Cu.		Diffr. Ins. g h		Pc. sc.2
	52							
1	5.0			3.29	8.49	tp. tp. 8.80 00		M.S.
	57						0.21 9.01	
2	5.5	5.6	5.65	1 0 3.28	8.93	8.8 8.8	~~1.60~~ ~~7.20~~	
	59							
3	5.1	5.8	5.85	1 0 3.28	9.13	tp. tp.	. .	
	6.4							
4	6.2	6.3	6.35	0 1 3.27	9.62	tp. tp.	. .	
	7.0							
5	6.8	6.9	6.95	0 1 3.27	10.22			
	7.1							
6	6.9	7.2	7.15	1 0 3.27	10.42			
7		7.4		3.28	10.68			
8		7.4		3.28	10.68			
9		8.3		3.30	11.60			
10		8.4		3.30	11.70			
		8.70 00						
11		8.1	8.1	3.31	12.01			
		9.50 00						
12		9.5	9.5	3.36	12.86			
		9.59 00						
13		9.5	9.5	3.36	12.86			
		9.70 11						
14		9.8	9.6	3.37	13.07			
		10.00 00						
15		10.0	10.0	3.39	13.39			

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Scale M. B Series 308. Alt Corr +08

B 48307 118 K. 2 16-14.8°

	sc.1	sc.2		Cu.		g sc.2	h			P.C. sc.2	
1	4.3 4.1			3.30	7.60	tf.	tf.			8.9	— 1.59 7.31
2	4.1 3.8 9			3.31	7.41	tf.	tf.			8.9	— 1.59 7.31
3	5.0 4.8	5.1	5.05 0 1	3.30	8.35	tf.	tf.			9.3	— 1.54 7.76
4	5.7 5.5	5.6	5.65 1 0	3.28	8.93	8.1	tf.	0.20	8.90	10.0	— 1.44 8.56
5	5.9 5.1	5.8	5.85 1 0	3.28	9.13	tf.	tf.				
6	6.8 6.6	6.8	6.80 0 0	3.27	10.07	tf.	tf.				
7	6.8 6.6	6.8	6.80 0 0	3.27	10.07						
8	6.9 6.1	7.1	7.00 ± 1	3.27	10.37						
9		1.8		3.29	11.09						
10		8.1	8.05 1 0 8.0	3.30	11.35						
11		8.1	8.75 ± 0 8.8	3.41	12.16						
12		9.5	9.50 0 0 9.5	3.36	12.86						
13		10.0	9.95 0 1 9.9	3.39	13.34						
14		ns	ns	.	.						
15											

Images on this plate much better than those on C plate

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Scale m B Series 308. Alt Corr +09

B 48308 R Form. 2 25-26.5

		sc1	sc2	Cu.		g sc2	h sc2	Rc. sc2
a	1	tf.	tf.	.	.	tf.	tf.	9.2 — 1.56 7.64
b	2 (5.3) 5.1	5.5	5.40 ⊥ 1	3.29	8.69	tf.	tf.	10.0 — 1.44 8.56
c	3 (6.1) 5.9	6.1	6.10 0 0	3.28	9.38	9.2	tf. 0.24	9.44
	d (7.1) 6.9	7.2	7.15 ⊥ 0	3.28	10.43	‡	‡	
	e	7.4		3.27	10.67			
	f	7.8		3.29	11.09			
	g	7.8		3.29	11.09			
	g'	7.9		3.29	11.19			
	h	8.1 (8.65 1 0)	8.6	3.30	11.95			
	k	8.7 0 0 8.1	8.1	3.31	12.01			
	k'	9.1 (9.10 0 0)	9.1	3.33	12.43			
	l	9.4 (9.50 ⊥ 1)	9.6	3.36	12.86			
	m	9.8 (9.80 0 0)	9.8	3.38	13.18			
Var.		ms.	ms.	.	.			

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Sedlm. B Series 308 Alt Corr +03

B 48309 166 K. 2 37-44.8

	sc.1	sc.2	Cu		g	h		P.C. sc.2
1	B.		,		th. sup.			89 – 1.59 7.31
2	5.8 5.6	5.8 5.80 00	3.28	9.08	9.15 0 1 9.2 9.1	0.24	9.39	‡ ,
3	6.2 6.0	6.2 6.20 00	3.28	9.48	9.55 1 0 9.5 9.6	0.29	9.84	
4	6.2 6.0	6.2 6.20 00	3.28	9.48	10.00 00 10.0 10.0?	0.34	10.34 ?	
5		7.1	3.27	10.37	ws w.s.	,	,	
6		7.5	3.27	10.77				
7		7.8	3.29	11.09				
8		7.7 8	3.29	11.09				
9		8.0	3.29	11.29				
10		8.3	3.30	11.60				
11		8.50 1 1 8.4 8.6	3.30	11.80				
12		8.55 1 0 8.5 8.6	3.30	11.85				
13		8.90 1 1 8.8 9.0	3.32	12.22				
14		9.30 1 1 9.2 9.4	3.34	12.64				
15		10.00 00 10.0 10.0	3.39	13.39				

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Wednesday January 31. 1917 -

Scale m.

B Series 308

B 48310 C2 - 3 + 15°

P.E.

	sc.1	sc.2			sc.2
1	B				8.6 − 1.66
2	B				8.8 − 1.56
3	4.2 4.0	tp.		3.44	9.21 − 1.56
4	4.9 4.1	5.1	5.00 L 1	3.20	9.1 − 1.50
6	5.6 5.4	5.6	5.60 0 0	3.07	10.1? tp − 1.43
7	5.8 5.6	5.1	5.75 0 1	3.31	
8					
10	6.3 6.1	6.4	6.35 1 0	3.00	
11	6.7 6.5	6.9	6.80 L 1	2.94	
12	7.1 6.9	7.0	7.05 1 0	2.91	
12a		7.6		2.81	
14		7.7		3.09	
16		7.9		3.28	
17		8.1		3.33	
19		8.6		3.23	
		9.00 L 1			
21		8.9	9.1	3.34	
		9.15 0 1			
23		9.2	9.1	3.35	
		9.50 1 1			
23		9.6	9.4	3.29	
		9.60 0 0			
25		9.6	9.6	3.50	
26		10.00	9.8.0	3.67	
9a	6.8 6.6				
9b	6.9 6.7				
9c	5.5 5.3				

This C Plate much better than the first plate of Series.

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Wednesday January 31, 1917.

Scale m. B Series 308.

	B 48310 g sc.1	sc.2	C 2- h sc.1	sc.2	Diff. Im.
1	tf.		6.9?	faint	0.04
2	tf.		9.4		-0.16
3	9.7		tf.		-0.06
4	8.2	8.20 00	8.2		0.00
6	8.7		tf.		-0.03
7	8.8	8.85 01	8.9		0.21
10	9.2	9.30 11	9.4		0.05
11	9.4	9.45 01	9.5		0.29
12	tf.		9.8		0.16
14	f		f		.
16					
17					
19					
9a	9.9	9.85 10	9.8		
9b					
9c	8.6	8.60 00	8.6		

10:45

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Friday February 2, 1917.

Shut-60

Salem. B Series 310.

10— B 48329 C11-

	cc.1				P.C. cc2
1	48 4.6			2.01	8.8 – 1.99
2	49 4.1	5.1	5.00	∠ 1 2.08	9.1 – 2.02
3	54 5.2	5.3	5.35	0 ∠ 2.32	9.6 – 1.93
4	58 5.6	5.5	5.65	2 ∠ 2.26	9.8 – 1.89
5	60 5.8	5.6	5.80	2 ∠ 2.50	
6	60 5.8	5.8	5.90	1 ∠ 2.56	
7	65 6.3	6.4	6.45	1 0 2.38	
8	66 6.4	6.4	6.50	1 ∠ 2.53	
10	70 6.8	6.9	6.95	0 ∠ 2.50	
12		7.5		2.35	
14		7.6		2.37	
15		7.8		2.60	
16		8.2		2.50	
17		8.4		2.62	
20		8.65 8.6	0 1 8.1	2.74	
23		9.20 9.2	0 0	2.66	
24		9.50 9.6	1 1 9.4	290	
25		9.80 9.8	0 0	277	
26		10.00 10.0	0 0 10.0	290	
29					

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Scale m B Series 310.

B 48329. C11- Diffr. Inv.

	g sc.1	g sc.2	h sc.1	h sc.2	
1	7.3	7.30 00	7.3		-0.49
2	7.5	7.50 00	7.5		-0.42
3	7.9		7.8		-0.23
4	8.3	8.35 40	8.4		-0.44
5	8.7	8.70 00	8.7		-0.40
6	8.7	8.70 00	8.7		-0.24
7	9.1	9.10 00	9.1		-0.27
8	9.4	9.40 00	9.4		-0.37
10	9.8		9.9		-0.45
12	ns		ns		
14					
15					
16					

Diffr. Images are poor!!

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Scale m. B Series 310. Alt Corr +0.6

B 48 330 D 11-

	sc 1	sc 2		Cu.		O.C. sc 2		
1	4.7 4.5			2.64	7.34	9.1	−2.02	7.08
2	tf.			.	.	9.3	−2.00	7.30
3	tf.			.	.	9.4	−1.97	7.43
4	tf.			.	.	9.6	−1.94	7.66
5	5.4 5.5	5.5	5.45	0 1	2.64	8.09	9.6 −1.94	7.66
6	tf.	tf.		.	.	9.8 from	−1.89	7.91
7	5.8 5.6	5.6	5.70	1 1	2.65	8.35		
8	from 5.2 5.0?	tf.			2.64	7.84		
9	6.0 5.8	5.9	5.95	0 1	2.65	8.60		
10	5.9 5.7	5.6	5.75	1 2	2.64	8.39		
11	6.1 5.9	6.1	6.10	0 0	2.65	8.75		
12	6.2 6.0	6.1	6.15	0 1	2.65	8.80		
13	6.6 6.4	6.5	6.55	0 1	2.66	9.21		
14	7.0 6.8	6.8	6.90	1 1	2.66	9.56		
15		7.2		2.68		9.88		
16		7.2		2.68		9.88		
17		7.4		2.69		10.09		
18		7.4		2.69		10.09		
19		7.6		2.70		10.30		
20		7.7		2.70		10.40		
21		7.8		2.71		10.51		
22		7.9		2.73		10.63		
23		8.2		2.74		10.94		
24		8.1		2.73		10.83		
25		8.3		2.74		11.04		
26		8.3		2.74		11.04		

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Scale M. B Series 310–

B +8330 D11–

	Sc. 2	Sc. 2	Cu.	
	8.80 00			
27	8.8	8.8	2.79	11.59
	8.75 01			
28	8.8	8.7	2.78	11.53
	9.00 11			
29	9.1	8.9	2.80	11.80
	9.40 00			
30	9.4	9.4	2.83	12.23
	9.80 00			
31	9.8	9.8	2.87	12.67
	9.85 10			
32	9.9	9.8	2.88	12.73
	10.00 00			
33	10.0	10.0	2.89	12.89
34	〃	〃	〃	〃

See also next page.

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Scale m.

B Series 310-

	B 48330 g sc.1	sc.2		D11- h sc.1	sc.2	Diffr. Inm. Cu.	
1	tf.			tf.		.	
2	tf			tf.		.	
3	tf.			tf.		.	
4	tf.			tf.		.	
5	81	8.10	00	81		-0.34	7.76
6	tf.			tf.		.	.
7	8.1	8.10	00	8.1		-0.34	7.76
8	tf.			tf.		.	
9	8.4	8.40	00	8.4		-032	8.08
10	8.9			tf.		-0.34	8.56
11	9.1	9.15	10	9.2		-0.36	8.79
12	92			tf.		-0.36	8.84
13	96	9.60	00	96		-0.41	9.19
14	99			tf.		-0.44	9.46
15	ns.			ns.		.	.

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Cofried 35:122.

Scale m. B Series 310. Alt Corr +04

B 48331. Carte 21 - 31.5°

	sc.1	sc.2		sc.1	sc.2		P.C. sc.2	
1	tf.			tf.	tf.		9.3 – 2.00	7.30
2	tf.						10.0 – 1.84	8.16
3	tf.						ns.	, ,
4	tf.							
5	tf.							
6	tf.							
7	tf.							
8	tf.							
9	tf.							
10		8.7?	2.76	11.46?				
11		9.3	2.82	12.12				
12		9.6	2.84	12.44				
13		t	,	,				
14		ns.	,	,				
15		ns.	,	,				

All mags very poor. – much poorer than C Region.

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Friday February 2, 1917.

Cofried B 35: 196

Scale m B Series 310. Alt Corr -13

B 48332. Carte 22-645

	sc.1	sc.2					g sc.2	h sc.2	Rc. sc.2
1	4.6 (4.8)			1.80	2.64	7.44	tf.	tf.	9.2 − 2.60 − 2.01 7.19
2	5.2 (5.4)	5.5	5.45 0 0	1.54	2.64	8.09	tf.	tf.	f. , ,
3	5.8 (6.0)	5.9	5.95 0 1	1.33	2.65	8.60	9.3 (9.35 1 0)	9.4 − 2.07 − 0.37 8.98	
4	tf.	6.3		1.26	2.65	8.95	f.	f. , ,	
5	6.2 (6.4)	6.4	6.40 0 0	1.44	2.65	9.05			
6	tf.	7.3		0.92	2.69	9.99			
7		7.8		0.63	2.71	10.51			
8	tf.	8.4 (8.65 1 0)		0.20	2.75	11.15			
9		8.1	8.6 (9.35 1 0)	0.36	2.77	11.42			
10		9.3	9.4 (9.70 1 1)	−0.36	2.82	12.17			
11		9.6	9.8 (9.95 1 0)	−0.39	2.86	12.56			
12		9.9	10.0	−0.34	2.89	12.84			
13		f.		,		,			
14		ns.		,		,			
15									

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Sheet 60

Friday February 2, 1917.

Scale m. B Series 310.

B 48335 C 12.

	sc. 1				g sc 7	h sc 2	P.C. sc 2
1	4.2			2.20	th.		8.7 – 2.10
2	th.			.	th.	th.	9.1 – 2.11
3	th.			.	th.		9.3 – 2.02
4	th.			.	th.		9.6 – 2.04
5	th.	th.		.	th.	th.	9.8 – 1.96
6	4.8	5.1	5.05 01	3.17	th.		10.0 – 1.78
8	th.	th.		.	th.		
9	6.1	6.2	6.25 10	2.76	th.	9.1 – 0.69	
11	6.1	6.1	6.25 10	3.06	th.	n.s.	
12	6.2	6.8	6.60 22	3.01			
14		7.7		2.71			
16		7.6		2.78			
17		7.9	7.90 00				
17a		8.2	8.20 00	2.75			
18		8.2	8.25 01	2.88			
		8.2	8.3	3.05			
20		9.15	01				
		9.2	9.1	2.75			
21		9.35	12				
		9.5	9.2	2.88			
23		10.10	99				
		10.1	10.1	2.91			
24							
26							
27							
29							

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Scale m B Series 310. Alt Corr +01

B 48 336 E9- 27 40-45°

	pc 1		Cu.		Diff'n			pc 2		
					q	h				
edge 1	tf.		.		tf.	tf.		9.1	−2.02	7.08
2	tf.		.		tf.	.		8.9	−2.06	6.84
3	tf.	tf.	.		tf.	.		9.5	−1.95	7.55
4	5.4 5.2	5.5	5.45 0 1	2.64	8.09	8.1	.	9.6	−1.94	7.66
5	tf.	tf.	.	.	tf.	.		9.8	−1.87	7.91
6	5.8 5.6	5.6	5.70 1 1	2.65	8.35	8.4	.	9.7?		.
7	6.0 5.8	6.1	6.05 0 1	2.65	8.70	8.6 0 0 8.6	8.6			
8	6.1 5.9	6.1	6.10 0 0	2.65	8.75	8.6	tf.	−0.32	8.28	
9	6.6 6.4	6.7	6.65 0 1	2.66	9.31	9.1 5 1 0 9.1	9.2	−0.36	8.79	
10	6.6 6.4	6.7	6.65 0 1	2.66	9.31	tf.	tf.	.	.	
11	6.8 6.6	6.7	6.75 0 1	2.66	9.41	9.3 0 0 9.3	9.3	−0.37	8.93	
12	7.0 6.8	7.2	7.10 1 1	2.67	9.77	9.5 5 0 1 9.6	9.5	−0.41	9.14	
13	7.1 6.9	7.1	7.10 00	2.67	9.77	9.7 5 0 1 9.8	9.7	−0.42	9.33	
14		7.3		2.69	9.99	tf.	tf.	.	.	
15	7.1 6.9	7.1	7.10 00	2.67	9.77	9.8 0 0 9.8	9.8	−0.43	9.37	
16		7.6		2.70	10.30	ms	ms	.	.	
17		8.0		2.72	10.72					
18		8.0		2.72	10.72					
19		8.1		2.73	10.83					
20		8.3		2.74	11.04					
21		8.4		2.75	11.15					
22		8.6		2.77	11.37					
23		8.7		2.77	11.47					
24		9.0		2.80	11.80					
25		9.0 8.9 0 1 8.8		2.79	11.69					
26		9.1		2.80	11.90					

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Friday, February 2, 1917.

Scale m. B series 310.

B 48 336 Eq ~~cont~~

			Cu.	
	9.25	0 1		
27	9.2	93	2.81	12.06
	9.40	0 0		
28	9.4	9.4	2.82	12.22
	9.50	0 0		
29	9.5	9.5	2.84	12.34
	9.60	0 0		
30	9.7 ~~ws~~	96	2.85	12.45
	9.90	0 0		
31	9.9	9.9	2.88	12.78
32	W.S.			

11/25

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Saturday February 3, 1917.

Shot 61

Scale m.

B Series 308

11:05 B 48310 C2.

	Sc.1	Sc.2	Sc.3		O.C. Sc.2
1				.	8.4 – 1.46
2				.	8.6 – 1.36
3	B.	B.		.	9.2 – 1.56
4	5.0 4.8	5.1	505 01	3.15	9.5 – 1.30
6	5.6 5.4	5.6	560 00	3.01	10.1? ft. – 1.43
7	5.8 5.6	5.7	575 01	3.31	10.1? ft. – 1.04
10	6.2 6.0	6.2	620 00	3.15	
11	6.8 6.6	6.7	675 01	2.99	
12	6.9 6.7	7.1	700 1	1.296	
12a		7.4		3.01	
14		7.7		3.09	
16		8.0		3.18	
17		8.1		3.33	
19		8.5		3.33	
		8.90 00			
21		8.9	8.9	3.44	
		9.15 01			
22		9.2	9.1	3.35	
		9.50 00			
23		9.5	9.5	3.29	
		9.55 01			
25		9.6	9.5	3.55	
		10.00 00			
26		10.0	10.0	3.67	
27		n.s.	n.s.	,	
28					
29					
30					
9a	6.5				
9b	6.6				
9c	5.3				

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Saturday, February 3, 1917.

Scalem

B Series 308.

B 48310 C 2- Diffr. Im.

	g sc.1	g sc.2	h sc.1	h sc.2	
.1	tf.		tf.		.
2	tf.		7.4		−0.16
3	7.8	7.75 0 L	7.7		−0.11
4	8.1	8.10 0 0	8.1		0.10
6	8.1		tf.		−0.03
7	8.8		tf.		0.26
10	9.2	9.20 0 0	9.2		0.15
11	9.5	9.55 L 0	9.6		0.19
12	t		t.		.
14					
16					
17					
19					
21					
22					
9a	t		10.0		
9b	t		t		
9c	8.7 from	8.70 0 0	8.7		

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Saturday February 3, 1917.

Copied B 27:12

Scale m B Series 308. Alt Corr +06

* B 48 3 11 D=

	sc1		Cu.		P.C. sc?		
1	tfr.		.		8.8	− 1.48	7.32
2	tfr.		.		9.1	− 1.46	7.64
3	tfr.		.		8.1?	− 1.48	7.22?
4	tfr.		.		9.5	− 1.43	8.07
5	tfr.		.		9.4	− 1.44	7.96
6	tfr.		.		10.0	− 1.38	8.62
7	5.1 4.9		3.12	8.22	10.0	− 1.38	8.62
8	tfr.		.	.	w.s?	,	,
9	tfr.		.	.			
10	tfr.	tfr.	.	.			
11	tfr.	tfr.	.	.			
12	5.8 5.6	5.9 w.s.	585 01	3.05	8.90		
13	5.9 5.7	5.9	5.90 00	3.04	8.94		
14	6.4 6.2 poor	6.4	6.40 00	3.04	9.44		
15	7.1 6.9 poor	7.2	715 L 0	3.04	10.19		
16		7.4 poor		3.05	10.45		
17		7.5? poor		3.06	10.56		
18		tfr.	.	.			
19		tfr.	.	.			
20		8.2 poor		3.16	11.36		
21		8.8		3.28	12.08		
22		9.1 9.2	815 L 0 9.20 00	3.36	12.51		
23		9.2 9.2		3.36	12.56		
24		9.2 9.5	935 21	3.41	12.76		
25		9.9 9.8	985 10	3.54	13.39		
26		1 1	,	,			

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Saturday February 3, 1917.

Scale m

B Series 308.

B 48311- D2-

	sc +
27	m.s.
28	m.s.
29	m.s.
30	
31	
32	
33	

* All images very faint, not comp. with scale.

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Saturday February 3, 1917.

Scale m.

B Series 308.

	B 48311	D2	Diff Im.
	g	h	
	sc.1 sc.2	sc.1 sc.2	
1	all	tp.	
2		tp.	
3	less	tp.	
4		tp.	
5	poor.	tp.	
6		tp.	
7		tp.	
8		tp.	
9		tp.	
10		tp.	
11		tp.	
12		tp.	
13			
14			
15			
16			
17			
18			
19	Diff. Im. appear out of focus.		
20			
21			
22			

Rel.. BH8-6 Brok Diff.

3.82
3.81
3.65
3.57
2.97
3.48
3.41

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Saturday February 3, 1917. Copied 34:11

Scale m. 8 Series 308 - Alt Con +08

Copied 3H 11 B 48 312 119 K. 3 11 - 14.8°

Rel. from Mean of BHB 533, 48753
Brite 34 p. 11
Diff. Cir Magn. Do not apply det. cor.

				sc.1	sc.2	Cu.		Diff. Inn. g h	P.C. sc.2
			1	tfr		.		tf. tf	9.8? — 141 8.39?
3.82	3.80	8.80 9.44	2	4.8 poor 5.0 5.7		3.12	8.12	tf. tf	tf (streaked)
3.81	3.74	9.44	3	5.5		3.06	8.76	tf tf.	
3.65	3.74	9.44	4	5.5 poor 5.7		3.06	8.76		
.	.		5	tfr.	.	.	.		
.	.		6	tfr.	.	.	.		
.	.		7	tfr.	.	.	.		
.	.		8		tfr.	.	.		
.	.		9		tfr.	.	.		
3.57		?	10		8.2 ? poor 8.250 1 8.3	3.17	11.42		
~~2.97~~	3.52	11.77							
3.48	3.48	11.98	11		8.5 8.50 0 8.5	3.22	11.72		
3.41	3.42	12.57	12		9.2 9.15 of 9.1	3.36	12.51		
.	.		13		t t.	.	.		
.	.		14		t.	.	.		
.	.		15		n.s.	.	.		
.			16						
.			17						
.			18						
			19						

Region not in center of plate.

Images poor, - large + not comp. with scale

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Saturday February 3, 1917 –

Cofnid B 34:81

Scale m – S Series 306 – Alt Corr – 07

B48313 189 K. 3 24–60

	sc 1	sc 2			g sc 2	h sc 2			G.C. sc 2
	5.9								
1	5.7	5.8	5.85 1 0	3.05	8.90	88 + f.	0.08	8.88	m.s.
	6.0								
2	5.8	6.0	6.00 0 0	3.04	9.04	+ f. 9.1?	0.09	9.19?	
	6.2					9.25 1 0			
3	6.0	6.3	6.25 0 1	3.04	9.29	9.3 9.2	0.10	9.35	
	7.1					10.00 60			
4	6.9	7.0	7.05 1 0	3.03	10.08	10.0 10.0	0.14	10.14	
5		7.5		3.06	10.56	↓ ↓	,	.	
6		7.8		3.11	10.91				
7		7.9		3.13	11.03				
8		8.1		3.14	11.24				
9		8.1		3.14	11.24				
10		8.4		3.20	11.60				
			8.50 0 0						
11		8.5	8.5	3.21	11.71				
			8.85 1 0						
12		8.9	8.8	3.29	12.14				
			9.15 1 0						
13		9.1	9.2	3.36	12.51				
			9.70 0 0						
14		9.7	9.1	3.50	13.20				
			9.95 1 0						
15		9.9	10.0	3.61	13.56				

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Saturday February 3, 1917.

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Scale m. B series 308. Alt Cor -30

B 48317 F1.

	sc1	sc2		Cu.		P.C. sc2	Cu.	
1	4.2 4.0			.		9.°	-1.46	7.54
2	tf.			.		8.8? poor	-1.47	7.33?
3	tf.			.		9.2	-1.46	7.74
4	4.8 4.6			3.13	7.93	9.1	-1.46	7.64
5	tf.	tf.		.	.	9.3	-1.44	7.86
6	4.8 4.6	4.8	4.80 0.0	3.13	7.93	9.2	-1.46	7.74
7	tf.	tf.		.	.	tf.	.	.
8	5.3 5.1	5.4	5.35 1.0	3.10	8.45	10.0	-1.38	8.62
9	5.1 4.9	5.4	5.23 1.20	3.11	8.34	10.0	-1.38	8.62
10	5.3 5.1	tf.		3.10	8.40			
11	tf.	5.4		3.10	8.50			
12	6.6 6.4	6.3	6.45 2.1	3.04	9.49			
13	6.1 5.9	6.3	6.20 1.1	3.04	9.24			
14	5.9 5.7	5.7	5.80 1.1	3.05	8.85			
15	6.8 6.6	6.8	6.80 0.0	3.04	9.84			
16	tf.	tf.		.	.			
17		7.2		3.04	10.24			
18		7.4		3.05	10.45			
19		7.5		3.06	10.56			
20		7.5		3.06	10.56			
21		7.8		3.11	10.91			
22		7.8		3.11	10.91			
23		8.1		3.14	11.24			
24		8.4		3.20	11.60			
25		8.6		3.23	11.83			
26		8.7		3.25	11.95			

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Saturday February 3, 1917.

Scale m. B series 308.

B 48 314. F1 cont.

	pc?	pc?		
27	84		3.20	11.60
28	9.1	9.25 o1	3.35	12.45
29	9.2	9.3 955 o1	3.38	12.63
30	9.6	9.5 960 1 1	3.46	13.01
31	9.1	9.5 975 o1	3.46	13.06
32	9.8	9.7 985 1 o	3.54	13.29
33	9.9	9.6 w 8	3.56	13.41
34	n.s	n.s	,	.

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Saturday, February 3, 1917.

Scale M

B Series 308.

⊕ 48314 cont 71 - Diffr. Im. ~~cont~~

	g pc.1	g pc.2	h pc.1	h pc.2		
1		tfr.		tfr		
2				tfr.		
3		tfr.		tfr.		
4				tfr		
5		tfr.		tfr.		
6		tfr.		tfr.		
7		tfr.		tfr		
8				tfr.		
9		tfr.		tfr		
10				tfr.		
11		tfr		tfr-		
12		9.4	9.3501	9.3 poor	0.10	9.45
13		tfr-		tfr-	,	,
14		9.2	9.2501	9.3	0.09	9.34
15		9.1		tfr.	0.11	9.81
16		tfr-		tfr	,	,
17		t		t	,	,

All diffr. Im. very poor.

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Saturday February 3, 1917 -

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Salem. Q Series 308. Alt Cor +02.

Q 48315 E2.

	sc.1	sc.2			D.C. sc.2		
1	B.		,		8.1	~~3.206~~ −148	7.22
2	B.		,		9.3	~~340~~ −144	7.86
3	4.7 4.5		314	7.84	8.9	−146	7.44
4	4.3 4.5		315	7.65	9.0	−146	7.54
5	B.		.	.	9.4	−143	7.97
6	4.8 5.0		312	8.12	9.5	−142	8.08
7	tf.	tf.	.	.	9.5	−142	8.08
8	tf.	tf.	.	.	10.1?	−137	873°
9	5.1 5.3	5.4	5.35	1.0 3.09	8.44	10.0 −137	873
10	5.4 5.4	5.5	5.45	0 1 3.10	8.55		
11	5.4 5.6	5.5	5.55	0 1 3.08	8.63		
12	5.4 5.6	5.6	5.60	0 0 3.07	8.67		
13	5.6 5.8	5.8	5.80	0 0 3.05	8.85		
14	5.1 5.9	5.7	5.80	1 1 3.05	8.85		
15	6.0 6.2	6.2	6.20	0 0 3.04	9.24		
16	5.9 6.1	6.4	6.25	1.2 3.04	9.29		
17	6.4 66	? 6.7?	6.65	0 1 3.04	9.69		
18	5.8 60	6.1	6.05	0 1 3.05	9.10		
19	6.4 66	6.5	6.55	0 1 3.04	9.59		
20	6.4 66	6.5	6.55	0 1 3.04	9.59		
21		7.4		3.05	10.45		
22		7.4		3.05	10.45		
23		7.4		3.05	10.45		
24		7.7		3.09	10.79		
25		7.9		3.12	11.02		
26		8.2		3.16	11.36		

diff. Im. surf. on star 17

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Saturday February 3, 1917.

Salem

B Series 308.

B 48315 E 2 cont

	No. 2	Cu.	
27	8.2	3.16	11.36
28	8.5	3.22	11.72
29	8.5	3.22	11.72
30	8.5	3.22	11.72
31	9.0	3.33	12.33
32	9.3	3.40	12.70
33	9.0	3.33	12.33
34	9.6	3.48	13.08
35	10.0	3.61	13.61
36	10.0	3.61	13.61
37	〃	〃	〃
38	〃	〃	〃

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Saturday February 3, 1917

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Scale m

B Series 308

	B 48 315		C 2	Diff. Im.	
	g		h		
	sc. 7		sc. 2		
1	tf.		tf.		
2	tf.		tf.		
3	tf.		tf.		
4	7.3		tf.		
5	tf.		tf.		
6	tf.		tf.		
7	tf.		tf.		
8	tf.		tf.		
9	tf.		tf.		
10	tf		tf.		
11	tf.		tf.		
12	8.4		~~8~~ tf.	0.07	8.47
13	tf.		8.1	0.08	8.78
14	tf.		9.2	0.10	9.30
15	9.5	9.45 10	9.4	0.10	9.55
16	9.4	9.50 ⊥ 1	9.6	0.11	9.61
17	sup.		sup.	.	.
18	t.f.		10.0	0.14	10.14
19					

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1917phae.proj.10790

Shute 61

Saturday February 3, 1917 -

Scale m. B Series 308.

B 48316 - C2 -

	sc.1	sc.2	sc.3		g	sc.2		sc. sc.2
1	B.			,	tp.	6.8	0.14	8.5 – 1.56
2	B			,	tp.	7.1	0.14	8.7 – 1.46
3	B	B.		,	14	tp –	0.24	9.2 – 1.56
4	5.0 4.8	5.0	500 00	3.20	8.10 00 8.1	8.1	0.10	9.6 – 1.40
6	5.6 5.4	5.6	560 00	3.07	8.5	tp –	0.17	10.1 – 1.43
7	5.7 5.5	5.8	575 1 0	3.31	8.80 00 8.8	8.8	0.26	n.s. ,
10	6.2 6.0	6.2	6.20 00	3.15	9.40 00 9.4	9.4	-0.05	
11	6.6 6.4	6.7	665 0 1	3.09	tp.	10.0	-0.26	
12	6.8 6.6	7.1	695 2 1	3.01	±	±	,	
12a		7.5		2.91				
14		7.8		2.99				
16		8.0		3.18				
17		8.3		3.13				
19		8.6		3.23				
21		8.90 00 8.9	89	3.44				
22		9.20 00 9.2	92	3.30				
23		9.40 00 9.4	94	3.39				
25		9.65 1 0 9.7	96	3.45				
26		10.05 0 1 10.0	10.1	3.62				
27		n.s.	n.s.	,				
28		n.s.		,				

9a	6.7 6.5	
9b	7.1 6.9	
9c	5.7 5.5	

105

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Tuesday February 6, 1917.

Shutter 61

Scale m

9:55 B 48365 C1.

B Series 313 -

	sc 1	sc 2			P.C. sc 2
1	B.		.		8.8 – 1.62
2	B.		.		9.3 – 1.91
3	48 4.6		2.70		9.4 – 1.90
4	tf.	tfp.	.		9.8 – 1.84
5	57 5.5	5.6	565 1 0	2.68	n.s. .
7 a	54 5.2	foot fp.			
9	61 5.9	6.3	6.20 1 1	3.46 3.08	
11	68 6.6	6.7	675 0 1	2.94	
12		7.0		3.02	
13 a		7.4		3.04	
14		7.7		2.92	
15		8.1		2.94	
16		8.21	845 0 1	3.00	
17		8.4 8.5	885 0 1	3.05	
18		8.8 8.9	9.15 0 1	3.09	
19		9.21 9.1	9.70 0 0	3.06	
20		9.1 9.7	985 1 0	2.92	
21		9.9 9.8		3.04	
24		n.s. n.s.		.	
25		n.s.		.	
26					
27					

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1917phae.proj.10790

Tuesday, February 6, 1917.

Scale M. B Series 313.

	B 48365	C1	Diffr. Inv.
	9	h	
	sc1 sc2	sc1 sc2	
1	tf.	7.4 poor	-0.22
2	tf.	tf.	.
3	7.8 poor	tf.	-0.30
4	tf.	tf.	.
5	tf.	8.6	-0.27
9	9.8	tf.	-0.52
11	10.1?	tf.	-0.41
12	ns.	ns.	.
14			
15			
16			
17			
18			
19			
20			
21			

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Salem. B Series 313. Alt Corr +07

B 48366 D1 1–15°

P.C.

	sc.1	sc.2		Cu.		sc3		
1	B.			.		93	−.188	7.42
2	3.3 5.1			2.71	8.01	9.6	−.188	7.72
3	5.2 5.0			2.70	7.90	9.8	−.188	7.92
4	5.4 5.2	5.5	5.45	0 1 2.72	8.18	9.1	−.188	7.82
5	5.6 5.4	5.6	5.60	0 0 2.75	8.35	9.9	−.188	8.02
6	5.8 5.6	5.7	5.75	0 1 2.76	8.51	ns	.	.
7	tf.	5.7?		2.76	8.46?			
8	6.0 5.8	6.0	6.00	0 0 2.79	8.79			
9	6.4 6.2	6.5	6.45	0 1 2.81	9.26			
10	6.5 6.3	6.6	6.55	1 0 2.82	9.37			
11	7.0 6.8	6.9	6.95	0 1 2.85	9.80			
12	7.0 6.8	6.9	6.95	0 1 2.85	9.80			
13		7.3		2.87	10.17			
14		7.4		2.89	10.29			
15		7.6		2.90	10.54			
16		7.5		2.89	10.39			
16a		7.9		2.91	10.81			
17		8.1		2.93	11.03			
18		8.4		2.94	11.34			
19		8.4		2.94	11.34			
20		8.5		2.95	11.45			
21		8.8		2.97	11.77			
22		9.0		2.98	11.98			
23		9.1		2.98	12.08			
24		9.3		2.98	12.28			
25		9.3		2.98	12.28			
26		9.5		2.98	12.48			

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Scale m. B Series 313-

B 48366 D1 cont

	pc 2	sc 2		
	9.45	10		
27	9.5	9.4	2.98	12.43
	9.85	10		
28	9.9	9.8	2.99	12.84
	9.90	00		
29	9.9	9.9	2.99	12.89
	9.95	01		
30	10.0	9.9	2.99	12.94
	10.05	01		
31	10.0	10.1	2.99	13.04
32	m.s	m.s.	,	,
33	m.s.		,	,

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Scale m. B Series 313.

B 48366 D1 - Diff. Ins.

	g sc.1	g sc.2	h sc.1	h sc.2		
1	tfr.		tfr.		.	
2	tfr.		8.1		-0.39	7.71
3	8.3		tfr.		-0.42	7.88
4	tfr.		8.5		-0.45	8.05
5	8.4	8.45 01	8.5		-0.45	8.00
6	8.8	8.85 01	8.9		-0.49	8.36
7	tfr.		tfr.		.	.
8	tfr.		tfr.		.	.
9	9.3	9.30 00	9.3		-0.50	8.80
10	9.4	9.40 00	9.4		-0.50	8.90
11	9.8	9.80 00	9.8		-0.50	9.30
12	tfr.		9.9		-0.50	9.40
13	‡		‡		.	.
14	‡		‡		.	.
15						
16						
17						
18						
19						
20						
21						
22						

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Scale M- B Series 313- Alt Corr -.30

B 48368 200K 0 22-74.9

Diff. Im.

	Sc.1	Sc.2	Sc.2	Cu		g	h			Pc.
	5.9					9.75	10			pc 2
1	5.7 poor	6.7	6.05	1.2 2.79	8.84	9.7	9.8	- 0.50	9.25	n.s.
	7.0									
2	6.8	6.9	6.95	0 1 2.85	9.80	n.s.	n.s.		,	
3		7.2		2.86	10.06					
4		7.5		2.89	10.39					
5		8.1		2.93	11.03					
6		8.1		2.93	11.03					
7		8.6		2.96	11.56					
8		8.9		2.97	11.87					
9		8.9		2.97	11.87					
		9.25	1 0							
10		9.3	9.2	2.98	12.23					
		9.50	1 1							
11		9.6	9.7	2.98	12.48					
		10.00	00							
12		10.0	10.0 poor	2.99	12.99					
		10.10	00							
13		10.1	10.1 poor	2.99	12.99					
14		n.s.			,					
15		n.s.			,					

All images very poor.

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Tuesday February 6, 1917.

Sheet 61

Scale m.

B Series 313.

B 48369 C1-

	pc.1	pc2		P.C. pc 7.
1	5.0 4.8	5.2	5.10 ± 1 2.08	9.2 – 2.02
2	tfr. 5.0	tfr.	.	9.3 – 1.91
3	4.8	5.3	5.15 ± 1 2.35	9.4 – 1.90
4	tfr. 6.0	tfr.	.	9.9 – 1.94
5	5.8	5.8	5.90 1 ± 2.43	
1a	tfr.	tfr.		
9	6.6 6.4	6.5	6.55 0 1 2.73	
11	7.1 6.9	7.1	7.10 00 2.59	
12		7.6	2.52	
13	a	7.5	2.94	
14		7.9	2.72	
15		8.2	2.84	
16		8.3	2.90	
		8.50 0 0		
17		8.5 8.5	3.00	
		9.05 1 0		
18		9.1 9.0	2.89	
		9.25 1 0		
19		9.3 9.2	2.96	
		9.75 ± 0		
20		9.1 9.8	2.87	
		9.90 0 0		
21		9.9 9.9	2.99	
24		n.s. n.s.	,	
25				
26				
27				
28				

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Tuesday February 6, 1917.

B Series

B 48 369- C1- Diffr. Inn.

	g sc.1	g sc.2	h sc.1	h sc.2	
1	1.1?		th.		-0.22
2	th.		th.		"
3	1.1		th.		-0.40
4	th.		th.		"
5	th.		th.		"
9	9.8	9.85 01	9.9		-0.57
11	1		1		
12	n.s.		n.s.		
14					
15					
16					
17					
18					
19					
20					
21					
24					
25					
26					
27					
28					

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Scale m.

B Series 313.

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" 44! 34

Alt Cons -26

B 4837 0 {Sm. Cld. / 14 KS}

Mag. Cld.
Seq. IV

		pc.1	pc.2		Cu.		g	h	P.C.
							pc.2	pc.2	pc.2
	1	6.2 (64 7.2)	6.5	6.45 01	2.81	9.26	tf.	tf.	n.s.
	2	7.0	7.1	7.15 01	2.86	10.01	9.9	suf. − 0.50	9.40
	3		7.5		2.89	10.39	suf.	tf.	.
	4		7.9		2.91	10.81	n.s.	n.s.	.
	5		8.0		2.92	10.92			
K =	6		8.0		2.92	10.92			
	7		8.3		2.94	11.24			
	8		8.4		2.95	11.35			
n =	9		8.8		2.96	11.76			
	10		8.8 (8.75 1 0)		2.96	11.76			
	11		8.7	8.8 (8.80 0 0)	2.96	11.71			
	12		8.8	8.8 (9.10 0 0)	2.96	11.76			
	13		9.1	9.1 (9.25 1 0)	2.98	12.08			
	14		9.3	9.2 (9.65 1 0)	2.98	12.23			
	15		9.7?	9.6	2.98	12.63			
Seq. 4	l		8.3		2.94	12.24			
	o		9.4		2.98	12.38			
	p		9.4		2.98	12.38 R			
	q		9.3		2.98	12.28			
	m		8.6		2.96	11.56			
q = m			see above		,	,			
	q		7.5		2.89	10.39			

Time is a mistake in the measure of plate q. Examination of plate shows it much fainter than p, and even than No. 15

Reject

see also next page

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Scale m. B Series 313. Alt Cor −26

B 48370 Small cld.

Seq. III.

		sc.1	sc.2	sc.2		sc.2	sc.2			P.C. sc.2		
Common to all sequences.	a	B.		.		tf.	tf.	.		9.1 8.9	−1.88	7.12
	b	tf.		.		7.8	tf.	−0.33	7.47	9.0 9.0	−1.88	7.12
	c	tf.	tf.	.		tf.	tf.	.	.	9.8	−1.88	7.92
	d	6.1 5.9	6.1	6.1000	2.279	8.89	8.8	tf.	−0.48	8.32	ws.	. .
	e	6.7 6.2	6.5	6.4501	2.281	9.26	9.1	tf.	−0.50	8.90		
	f	7.0 6.8	6.8	6.9011	2.285	9.75	9.6	tf.	−0.50	9.10		
Seq. III	g		7.2		2.286	10.06	f	f.	.	.		
	h		7.3		2.287	10.17						
	k		7.4		2.289	10.29						
	l		7.6		2.290	10.50						
	m		8.0	8.30 0 0	2.292	10.92						
	n		8.3	8.3 8.70 0 0	2.294	11.24						
	o		8.8	8.1 8.85 0 1	2.296	11.66						
	p		8.8	8.9 9.15 1 0	2.297	11.82						
	q		9.1	9.2 9.35 0 1	2.297	12.12						
	r		9.4	9.3 9.85 1 0	2.298	12.33						
	s.		9.9	9.8	2.298	12.83						

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Scale m. B Series 313 Alt Corr +07

B48371 117K 1 13-146

	sc.1	sc.2		Cu.		g sc.2	h sc.2	P.C. sc.2
	6.7							
1	6.5	6.7	6.70 oo	2.83	9.53	tp.	tp.	m.s.
2	tp.	tp.		"	"	"	"	
3	tp.	tp.		"	"			
4		7.5		2.89	10.39			
5		tp.		"	"			
6		8.8		2.96	11.76			
		9.35	o 1					
7		9.4	9.3	2.98	12.33			
		9.70	oo					
8		9.1	9.1	2.98	12.68			
9		10.1		2.99	13.09			
10		tp.		"	"			
11								
12								
13								
14								
15								

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Wednesday February 7. 1917.

Shutt 62

Scale m

9.15

B Series 315

B 48 389 C 12-

	sc.1	sc.2		Diffr. Inn. g w	D.C. sc.2
1	B.		.	tfr. tfr.	8.8 – 2.20
2	B.		.	tfr. tfr.	9.1 – 2.11
3	B.		.	tfr. tfr.	9.2 – 1.92
4	5.3 (56)		2.06		9.7 – 2.14
5	B.	~~5.3~~ tfr.	.		10.0 – 2.16
6	5.5 (57)	5.8	5.75 ± 0 2.47		10.1? – 1.88
8	tfr.	tfr.	.		n.s. .
9	6.85 (67)	6.4	6.75 ± 0 2.26	9.80 00 9.8 9.8 – 0.79	
11	6.6 (68)	6.8	6.80 0 0 2.51	‡ ‡.	
12		7.2 poor	2.41	n.s. n.s.	
14		7.8	2.11		
16		8.0 poor	2.38		
17		8.1	2.55		
18		8.5 8.6 (8.55 ± 0)	2.75		
20		9.1 9.1 (9.10 00)	2.80		
21		9.3 9.3 (9.30 00)	2.93		
23		tfr. 10.1?	2.91		
24					
26					
27					
29					
30					

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Wednesday February 7, 1917.

Salem. B Series 315.

B 48385 Carte 22 00-64.5

	sc.1	sc 2		9 h sc 2	sc 2	P.C. sc 2
1	B.			th.	th.	9.5
2	60 5.8	60	6.00 0 0	th.	th.	ns.
3	66 6.4	6.7	6.65 0 1	935 1 0 9.3	9.4	
4	70 6.8	7.1	7.05 0 1	975 0 1 9.8	9.7	
5	b	7.1		ns.	ns.	
6		7.1				
7		8.3				
8		8.7				
9		8.90 0 0 8.9	8.9			
10		9.40 1 1 9.3	9.5			
11		9.70 0 0 9.7	9.7			
12		9.80 1 0 9.9	9.8			
13		ns.	ns.			
14		ns.				
15		ns.				

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Scale m. B Series 315

B 48386 Eq. 22 40–45°

	sc.1	sc.2		P.C. sc.2
1	tfr.			9.4 poor
2	tfr.			9.1
3	tfr.			9.1
4	t.fr.			9.8
5	tfr.	tfr.		9.8
6	60 5.8	6.1	605 01	98
7	63 6.1	6.3	630 00	m.s.
8	64 6.2	6.3	635 01	
9	69 6.1	6.8	685 10	
10	68 6.6	6.4	675 01	
11	69 6.1	7.0	695 10	
12		7.2		
13		7.3		
14		7.5		
15		7.4		
16		7.8		
17		8.1		
18		8.1		
19		8.4		
20		8.4		
21		8.5		
22		8.1		
23		8.9		
24		9.1		
25		9.1		
26		9.2		

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Wednesday February 7, 1917.

Scale m. B Series 315

B 48386 Eq cont.

	sc 2	
	9.36	L 0
27	9.3	9.4
	9.75	1 0
28	9.7	9.8
	9.70	0 0
29	9.7	9.7
	9.80	0 0
30	9.8	9.8
	9.95	0 1
31	10.0	9.9
32	4	4
33	ns.	ns.

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Wednesday February 7, 1917.

Scale m. B series 315

	B 48 386		89 cont.	Diff. Inn
	g		h	
	sc.1 sc.2		sc.1 sc.2	
1	tfr.		tfr.	
2	tfr		tfr.	
3	tfr		tfr	
4	8.4		tfr.	
5	tfr.		tfr.	
6	8.5	8.40 1 1	8.3	
7	8.7		tfr.	
8	tfr.		tfr.	
9	tfr.		tfr.	
10	tfr.		tfr	
11	9.3	9.35 1 0	9.4	
12	9.6	9.65 0 1	9.7	
13	9.6	9.65 0 1	9.7	
14	t		t.	
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

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Wednesday February 7, 1917.

Scale m.

B Series 315.

B 48 387 S Aquarii 22 51 - 20

	sc 1	sc 2	sc 2	sc 2		P.C.
				g	h g	sc 2
a	B.			fl.	7.4	8.8
b	5.4 5.2			fl.	fl.	9.3
c	B.	fl.		fl.	fl.	9.3
d	6.4 6.2	6.4	6.40 0 0	8.9	fl.	ns.
					9.90 0 0	
f		7.4		9.9	9.9	
	7.0				9.25 0 1	
g	6.8	6.8	6.90 1 1	9.2	9.3	
	6.9				9.45 0 1	
i	6.9	6.9	6.90 0 0	9.4	9.5	
					9.80 0 0	
k		7.2		9.8	9.8	
					9.65 1 0	
l		7.2		9.7	9.6	
n		7.6		ns	ns.	
q		7.8				
m		8.0				
p		8.6				
o		8.7				
r		8.7				
q		8.9				
s		8.8				
		9.10 0 0				
t		9.1	9.1			
		9.35 0 1				
u		9.4	9.3			
		9.75 1 0				
w		9.7	9.8			
		9.90 0 0				
w'		9.9	9.9			
		10.10 0 0				
x		10.1?	10.1			
y		7.				
z		n.s.				
α						
Var.		7.7				

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Wednesday February 7, 1917.

Scale M. B Series 3105

B48388 199 K 22 59.

	sc.1	sc.2	sc.2	sc.2	B.C.
				g h	sc.2
1	5.3 5.1	5.4	5.35 1 0	th. th.	9.8
2	6.1 5.9	6.1	6.10 0 0	def? th.	ns.
3	6.3 6.1	6.1	6.20 1 1	9.1 th.	
4	6.7 6.5	6.6	6.65 1 0	th. 9.9	
5		7.5		ns. ns.	
6		8.1			
7		8.1			
8		8.2			
9		8.5			
10		8.5			
		9.0 0 1 1			
11		9.1	8.9		
		9.2 0 0			
12		9.2	9.2		
		9.6 0 0			
13		9.6	9.6		
		9.5 5 1 0			
14		9.9	9.8		
15		7.	ns.		

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Wednesday, February 7, 1917. Sheet 62

Scale m. B Series 315.

B 48395 01-

	sc.1	sc.2			
	6.0				
1	5.8	tf.	1.18	all	n.s.
2	tf.	tf.	.	diffr	n.s.
	6.1			Images	
3	5.9	6.1	6.10 00 1.40	too	
4	tf.	tf.	.	poor.	
	7.0				
5	6.8	7.1	7.05 01 1.28		
9	tf.	tf.	.		
11		8.1 poor			
		8.40 00	1.59		
		8.4	8.4		
12		9.10 00	1.62		
13a		9.1	9.1 v.f.	1.34	
		9.30 00			
14		9.3	9.3	1.32	
		9.90 00			
15		9.9	9.9	1.14	
16		n.s.	n.s.	.	
17					
18					
19					
20					
21					
24					
25					
26					
27					

All these images very poor. Faint stars not seen, this plate poorer than prev. plates in series.

11—

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Slit 62

Thursday February 8, 1917.

Salem. B Series 310-

8:55 B 48389 C 12.

	sc.1	sc.2		Diffr. Inn. g h	P.C. sc.2
1	B.				
2	tfr.			all tfr.	8.7 - 2.10
3	tfr.			diffr. tfr.	9.2 - 2.21
	54				9.2 - 1.92
4	5.2		2.16	Inn. tfr.	9.7 - 2.14
5	tfr.	tfr.	.	6.4	10.0 - 2.16
	59			low. tfr.	10.1? - 1.88
6	5.1	5.6?	5.75 ± 2.47	poor. tfr.	n.s. .
8	tfr.	tfr.	. .	9.60 00	
	66			9.6 9.6	
9	6.4	6.8	6.70 ± 1 2.31	‡ ‡	
	67				
11	6.5	6.8	6.75 ± 0 2.56		
12		7.2	2.41		
14		7.8	2.11		
		8.00 ± 1?			
16		7.9 7.1	2.38		
		8.20 00			
17		8.2 8.2	2.45		
		8.50 ± 1			
18		8.4 8.6	2.80		
		9.10 00			
20		9.1 9.1	2.80		
		9.35 0 ±			
21		9.4 9.3	2.88		
		10.05 01			
23		10.0 10.1 ‡	2.96		
24		n.s. n.s.	.		
26					
27					

All images poor, large + not comp. with scale.

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Thursday February 8, 1917.

Scale m.

B Series 315

	B 48390	Carte	23h 00m – 2.5	
			g h	P.C.
	sc.1 sc.2		sc.2 sc.2	sc.2
1	6.9 6.9 6.90 00		ms. ms.	ms.
2	7.6		ms.	
3	7.7			
4	8.6.			
5	8.8 8.8 (8.80 00)			
6	9.1 9.2 (9.15 1.0)			
7	9.1 9.1 (9.10 00)			
8	9.3 9.3 (9.30 00)			
9	10.0 10.0 (10.00 00)			
10	f. f.			
11				
12				
13				
14				
15				

Faint stars not seen.

All images poor.

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1917phae..proj..10790

Thursday, February 8, 1917.

Scale m. B series 315.

B48 39 d¹ Carte 23h − 31.5

Diffr. 9m. 4h

	sc.1	sc.2		sc.2	sc.2	Pc. sc.2
1	t.f.	t.f.		t.f.	t.f.	94
2	59 5.1 thou	5.1? vib.	580 1 1	th.	th.	100?
3	60 5.8	59	595 0 1	8.8?	t.f.	n.s.
4	68 6.6	6.1	675 0 1	950 1 1 94	96	
5		7.4		4	4	
6		7.9				
7		8.4				
8		8.6				
9		8.75 1 0 8.1	8.8 880 0 0			
10		8.8	8.8 925 1 0			
11		9.3	9.2 970 0 0			
12		9.1	9.1 985 1 0			
13		9.9	9.8			
14		4.	4.			
15		4.				

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Thursday February 8. 1917.

Scale m.

B series 315.

B 4839 z Carte $23^h - 51.5°$

	sc.1	sc z	sc z	g h sc z	sc z	P.C. sc z
1	5.1 4.9 ? poor	th.		9.9	th.	9.2
2	5.4 5.2	5.5	5.45 0 1	th.	th.	9.4
3	6.3 6.1	6.3	6.30 0 0	9.25 0 1 9.2	9.3	ws.
4	7.1 6.9	6.9	7.00 1 1	10.00 0 0 10.0	10.0	
5		7.6		~~f~~	f.	
6		8.2				
7		8.5				
8		8.1				
9		8.8	9.15 1 0			
10		9.1	9.2			
11		9.4	9.5 9.45 0 1			
12		9.8	9.8 9.80 0 0			
13		9.9	9.9 9.90 0 0			
14		f.	f			
15			f			

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Thursday February 8. 1917.

Scale m. B series 315

B 48393 16ª K 22 22-30.

	sc.1	sc.2	g sc.2	h sc.2	B.C. sc.2
	6.7		9600		
1	6.5	6.8 6745 L0	9.6	9.6	n.s.
2		7.5	7	7	
3		7.9			
4		7.9? n.s.			
5		8.3			
6		8.4			
7		8.8			
8		8.9			
9		9.1 9300 0			
10		9.3 9.3 9550 01			
11		9.6 9.5 9700 0			
12		9.7 9.7 9850 10			
13		9.9 9.8 10050 10			
14		10.1 10.0			
15		n.s. n.s.			

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Thursday February 8, 1917.

Solarm. B Series 315.

* B 48394 V Phoen. 23 27

		sc 1	sc 2	sc 2		sc 2	Pc.
		5.8				g h	sc 2
a	1	5.6	5.9	5.75	0 1	all	n.s.
b	2	6.1 5.9	6.2	6.15	1 0	bb	
c	3	6.5 6.3	6.4	6.45	1 0	poor.	
e	4	t.f.	t.f.				
d	5	6.7 6.5	6.9 poor	6.80	1 1		
d'	6		13				
d²	7		83				
			8.50	00			
g	8		8.5	8.5			
			8.85	01			
f	9		8.8	8.9			
			9.55	0 1			
f'	10		9.6	9.5			
			9.95	0 1			
h	11		10.0	9.9			
k	12		n.s.	n.s.			
m	13		n.s				
l	14		n.s.				
	15						

* Images very poor. Not comp with scale.

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Thursday February 8. 1917.

Sheet 62

Scale m.

B Series 315

B 48395 G1

	sc.1	sc.2		Diffr. Im.	P.C.
				q h	sc.2
1	60 5.8 poor		1 1.38	tf. tf.	ns.
2	tf.		.	tf. tf.	ns.
3	6.3 6.1		2 1.40	tf. 9+?	
4	tf.	tf. tf.	.	ns. ns.	
5	7.1 6.9	7.1	7.1000 1.23		
9	tf. ~~6.5~~ unsymm. tf.		.		
11		8.2 8.5	1.49		
12		9.1 9.5 01	1.57		
13a		9.2 9.3 01	1.29		
14		9.4 9.3 9.85 01	1.27		
15		9.8 9.9	1.19		
16		n.s.			
17					
18					
19					
20					
21					
24					
25					
26					
29					

Images very poor. Ft. stars not seen.

9:50

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Saturday February 17, 1917.

Cofnid 35.'78

Scale m. B Series 324. Alt Com +07

1:40 B 4846 Carlé 0 0-23.5°

	Pc.1												Pc. Pc.2		
1	B.		.				q	q					7.5 .		
2	B	B.	.				q	q					8.1 .		
3	4.7 (4.9) 4.8 (5.0)	5.2	5.1	5.05	1021	2.93	7.98	q	q				9.4	− 1.63	7.77
4	5.2 (5.4)	5.5		5.45	01	2.90	8.36	8.5	8.6 (8.55 1 0)	− 0.09	8.46		10.0	− 1.46	8.54
5	6.5 (6.7)	6.5.		6.60	11	2.90	9.50	q	9.8	− 0.05	9.75		ms	.	.
6	6.1 (6.3)	6.5		6.40	11	2.89	9.29	9.8 (9.80 0 0)	9.8	− 0.05	9.75				
7	6.9 (7.1)	7.0		7.05	10	2.92	9.97	ms	ms	.	.				
8		7.6		2.97			10.57								
9		8.1		3.04			11.14								
10		8.3		3.07			11.37								
11		8.4		3.08			11.48								
12		8.4		3.08			11.48								
13		9.1 (9.10 0 0)	9.1	3.22			12.32								
14		9.2 (9.20 0 0)	9.2	3.24			12.44								
15		9.1 (9.80 1 1)	9.9	3.38			13.18								
16		9.1 (9.75 1 0)	9.8	3.36			13.11								
17		10.0 (9.95 0 1)	9.9	3.42			13.37								
18		~~ms.~~		.			.								

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Cofuid 35; 30

Scale M. B Series 324. Alt Con +07

B 48467 Carte 0 0-9.5

Diffr. Im. sc 2

sc 1 sc 2 Cw. I h P.C.

	sc 1	sc 2	Cw.	I	h	P.C.
1	6.4 6.2	6.5	6.45	0 1	2.89	9.34
2	6.5 6.3	6.6	6.55	1 0	2.90	9.45
3	6.4 6.2	6.3	6.35	0 1	2.89	9.24
4		7.3			2.94	10.24
5	6.9 7 6.7	7.1	7.00	1 1	2.92	9.92
6		7.5			2.95	10.45
7		8.1			3.04	11.14
8		7.9			3.01	10.91
9		8.2			3.05	11.25
10		8.1			3.04	11.14
11		8.3			3.06	11.36
12		8.55 8.5	8.6	1 0	3.12	11.67
13		9.10 9.0	9.2	1 1	3.22	12.32
14		9.40 9.4	9.4	0 0	3.28	12.68
15		9.45 9.5	9.4	1 0	3.29	12.74
16		9.65 9.6	9.7	0 1	3.34	12.99

5 brighter than 4 on orig. plate also.

8 " " 7 " " "

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Salem.

B Series 324. Alt Cor -01

B 48 468 Carte 1 - 51.5

	Sc 1	Sc 2	Sc 2	Cu.	Magn	Sc 2 g	Sc 2 h		Bc Sc 2
1	g 6.6	g				g 9.65 10	g		n.s.
2	5.9 6.7	6.1	6.10 00	2.88	8.98	9.7	9.6 - 0.06	9.59	
3	6.5	6.8	6.75 1.0	2.90	9.65	g	f.		
4		7.2		2.94	10.14	n.s.	n.s.		
5		7.2		2.94	10.14				
6		7.5		2.96	10.46				
7		7.7		2.99	10.69				
8		7.8		3.00	10.80				
9		8.1		3.04	11.14				
10		8.37 1.00 8.4 8.3 8.4 ~~9.2~~ 8.95 0.1		3.07	11.44				
11		9.0 7.20 1.1	8.9	3.18	12.13				
12		9.1 9.60 1.1	9.3	3.24	12.44				
13		9.5 10.05 1.0	9.7	3.34	12.94				
14		10.1	10.0	3.44	13.49				
15		f.	f.						

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Scale m. B Series 324. Alt Con +08

B 48 469 D1-

	sc.1	sc.2				sc.2	
1	q		.			9.1 − 1.67	7.43
2	q		.			9.21 − 1.66	7.54
3	q		.			9.5 − 1.60	7.90
4	q		.			9.4 − 1.62	7.78
5	5.1 4.9		2.92		8.02	9.5 − 1.60	7.90
6	q		.		.	10.0 − 1.46	8.54
7	q	q	.		.	?	.
8	5.5 5.3	q	2.90		8.40	?	.
9	6.0 5.8	5.9	595	01	2.89	8.84	
10	6.0 5.8	6.1	605	0	2.88	8.93	
11	6.4 6.2	6.4	6.80	0	2.90	9.30	
12	6.4 6.2	6.6	650	1	2.90	9.40	
13	6.6 6.4	6.9	675	2	2.91	9.66	
14	7.0 6.8	7.0	7.00	00	2.92	9.92	
15	7.1 6.9	7.2	7.15	0	2.93	10.08	
16	6.8 6.68	6.9?	685	01	2.91	9.76	
16a		7.6			2.96	10.56	
17		7.6			2.96	10.56	
18		8.0			3.02	11.02	
19		8.1			3.04	11.14	
20		8.1			3.04	11.14	
21		8.2			3.05	11.25	
22		8.5			3.10	11.60	
23		8.6			3.12	11.72	
24		8.8			3.16	11.96	
25		8.9			3.17	12.07	
26		9.1			3.22	12.32	

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Scale m

B Series 324.

B 48469 D1 cont.

	sc 2	sc 7		
	9.25	01		
27	9.21	9.3	3.24	12.49
	9.70	00		
28	9.7	9.7	3.36	13.06
	9.80	1.1		
29	9.7	9.9	3.38	13.18
	9.90	1.1		
30	9.8	10.0	3.40	13.30
	10.00	00		
31	10.0	10.0	3.43	13.43
32	⁊.	⁊.	,	,
33				
34	m.s.			

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Scale M. B Series 324

B 48 469 D1 Diff. Inv.

	sc.1	sc.2			
1		qf	.		
2		qf	qf	.	
3		qf	.		
4		qf	.		
5		8.1?	qf	-0.10	8.00?
6		qf	8.6	-0.09	8.51
7		qf	.	.	.
8		qf	.	.	.
9		qf	.	.	.
10		qf	9.1	-0.06	9.04
11		9.1	.	-0.05	9.65
12		qf	.	.	.
13		±	±	.	.
14					
15					
16					
17					
18					
19					
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21					
22					
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26					

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Saturday February 17, 1917.

Sheet 64

Salem.

B Series 374

B 48 4 69]° ~~Discont~~ C1 1 +15°

							g	h		gc.
			sc?				sc?	sc?		sc?
1	211	42 4.0			2.98		7.4	9.6	−.022	9.0 − 1.82
2	98	9.6			.		9.6 7.55	9.6 0 1	.	9.0 − 1.61
3	69	44 4.2			3.10		7.6	7.5	−.005	9.1 − 1.60
4	30	9.3 ~~7.5~~ 57	9.6		.		9.6	9.6	.	9.6 − 1.64
5		5.5	5.6	5.65 1 0	2.68		9.6 9.40 0 0	8.3	0.03	9.8 − 1.47
9		62 63 60 6.1	6.5	64 6.35 2 1 0	2.93		9.4 9.75 1 0	9.4	−0.12	n.c. ,
11		66 6.4	6.8	6.70 1 1	2.99		9.7	9.8	−0.06	
12		71 6.9	7.1	7.10 0 0	2.92		9.6	9.6	.	
14			7.6		3.02					
15			8.1		2.94					
16			8.2		3.00					
17			84 8.85 1 0		3.10					
18			8.9 8.95 0 1	8.8	3.09					
19			9.0 9.45 0 1	8.9	3.26					
20			9.4 9.55 1 0	9.5	3.17					
21			9.5	9.6	3.34					
21 a			9.8	9.9						
24			ms.	ms.	3.40					
25										
26										
27										
28										

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Scale m. B Series 324. Alt Con +02

B 48 471 E 1

		sc.1	sc.2			R.e. sc.2		
	1	q				8.1	– 1.72	6.98
	2	q				8.8	– 1.70	7.10
	3	q				8.8	– 1.70	7.10
	4	q				9.1	– 1.78	7.32
	5	q				9.2 hor	– 1.76	7.44
	6	4.1 (49)		2.94	7.84	9.5	– 1.60	7.90
	7	q		.	.	q	.	.
	8	q		.	.	10.0	– 1.46	8.54
c	9	q		.	.	10.0	– 1.46	8.54
appear out of focus.	10	q		.	.	n.s.	.	.
	11	q		.	.			
	12	q		.	.			
	13	q	q	.	.			
	14	6.4 (60)	6.1	6.65 01	2.90	9.55		
	15	6.8 (70)	6.9	6.95 01	2.91	9.86		
	16	6.8 (70)	7.1	7.05 01	2.92	9.97		
	17		7.3	q	2.94	10.24		
	18		7.9		3.00	10.90		
	19		8.3		3.07	11.37		
	20		8.4		3.08	11.48		
	21		8.5		3.10	11.60		
	22		8.9		3.17	12.07		
	23		8.9		3.17	12.07		
	24		9.1 (9.15 L 0)	9.2	3.22	12.37		
	25		9.2 (9.25 0 1)	9.3	3.24	12.49		
	26		9.5 (9.60 L)	9.1	3.34	12.94		

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Salem. B Series 324.

B 4847 81

	pcz	pcz		
		10.00 00		
54	100	100	343	1343
58	⅄	⅄.		
59	Ans	ms		

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Saturday February 17, 1917.

Scale m

B Series 324.

B 48 47 2d E 1 Diffr. Inv.

g h

	sc. 1	sc. 2		
1		q		
2				
3		7.3?	-0.08	7.22?
4		q		
5		q		
6		q		
7		q		
8		q		
9		q		
10		q		
11		q		
12		q		
13		q		
14		w.s.		
15				
16				
17				
18				
19				
20				

All diffraction images are too poor to measure.

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Saturday February 17, 1917

Cofried 34:33

Scale M. B Series 324. Alt Conv +06

B 4847 2. 141 K 1 04 - 297

	sc 1	sc 2		Cu.		g sc 2	g sc 2			P.C. sc 2	
1	5.2 5.0	5.3	5.25 01	2.91	8.16	8.25 10 8.3	8.2	- 0.10	8.15	98 - 1.52	8.28
2	6.1 5.9	5.9	6.00 11	2.88	8.88	g	g	.	.	ws.	.
3	6.2 6.0	6.3	6.25 01	2.89	9.14	9.40 00 9.4	9.4	- 0.16	9.24		
4	6.2 6.0	6.1	6.15 01	2.88	9.03	g	g	.	.		
5		7.4		2.95	10.35	‡	‡	.	.		
6		7.8		3.00	10.80						
7		8.0		3.02	11.02						
8		8.1		3.04	11.14						
9		8.3		3.06	11.36						
10		8.25 01 8.2	8.3	3.05	11.30						
11		8.60 00 8.6	8.6	3.12	11.72						
12		8.80 00 8.8	8.8	3.15	11.95						
13		g	9.3	3.26	12.56						
14		9.25 01 9.21	9.3	3.24	12.49						
15			‡	.	.						

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Salem. B Series 324. Alt Corr — 08

B 48473 188 K 1 23-60.

	sc.1	sc.2			g sc.2	h			A.C. sc.2	
1	q	q	.		q	q			8.8 − 1.71	7.09
2	5.9 4.9	5.1	5.10	2.92	8.02	q	q		9.8 − 1.52	8.28
3	6.1 5.9	6.2	6.15	2.88	9.03	q 9.40	9.3	− 0.06 9.24	n.s.	, ,
4	6.4 6.2	6.6	6.50	2.90	9.40	9.4	9.4	− 0.05 9.35		
5	6.6 6.4	6.8	6.70	2.90	9.60	q	q	, ,		
6		7.3		2.94	10.24	n.s.	n.s.	, ,		
7		7.1		2.99	10.69					
8		7.1		299	10.69					
9		7.9		3.01	10.91					
10		8.2		3.05	11.25					
11		8.5 8.0	8.50	3.10	11.60					
12		8.6 8.1	8.65	3.12	11.77					
13		8.8 9.0	8.90	3.17	12.07					
14		9.4 9.4	9.40	3.28	12.68					
15		9.8 9.8	9.80	3.37	13.17					

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Saturday February 17, 1917.

Cofnid 34:57

Dcsle M. B Series 324 Alt Cou +02

B 48474 165 K 1 35-45°

	Acl			Cu.					
1	5.1 4.9	5.3	5.20 1 1	2.92	8.12	9 9			9.8 — 1.52 8.28
2	5.5 5.3	5.5	5.50 0 0	2.90	8.40	9 9 9.65 0 1			↓ .
3	6.4 6.2	6.5	6.45 0 1	2.90	9.35	9.6 9.7	— 0.06	9.59	
4	6.5 6.3	6.8	6.65 1 2	2.90	9.55	9.8 9.7 0 1 9.7	— 0.05	9.70	
5	7.1 6.9	7.0	7.05 1 0	2.92	9.97	ms ms.	.	.	
6		7.4		2.95	10.35				
7		7.9		3.00	10.90				
8		8.1		3.04	11.14				
9		8.1		3.04	11.14				
10		8.4		3.08	11.48				
11		8.7 0 0 8.1	8.1	3.14	11.84				
12		9.2 5 0 1 9.2	9.3	3.25	12.50				
13		9.2 0 0 9.2	9.2	3.24	12.44				
14		9.2 0 0 9.2	9.2	3.24	12.44				
15		9.5 5 1 0 9.5	9.6	3.32	12.87				
16		9.5 0 1 9.4	9.6	3.30	12.80				
17		↓	↓ .	.	.				

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1917phae.proj.10790

Saturday February 17, 1917.

Cofried 34:34

Scale m. B Series 3 2 4 Alt. Corr + 06

B4847s- 142K 2 04-297.

	sc.1	sc.2			g sc.2	h sc.2	C.C. sc.2
1	g				g	g	f.
2	g				g	g	
3					g	g	
4							
5	g						
6							
7	g						
8		g					
9							
10		g					
11							
12		9.7	3.35	13.05			
13		9.8	3.38	13.18			
14		f.					
15							

This plate much poorer than later plates of series. Does not compare with scale, Images on plate larger and appear out of focus.

3:45s-
(obsolete stopped)

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1917phae.proj.10790

Tuesday February 20, 1917.

Sheet 64

Scale m.

B Series 321-

12:30 * B 4842.9 C 2.

	sc.1	sc.2		P.C. sc.2
1	B.		.	8.1 − 1.76
2	B		.	8.9 − 1.66
3	5.0 4.8		2.64	9.5 − 1.86
4	5.5 5.3		2.70	9.9 − 1.70
6	5.5 5.3	5.5 9 5.50 00	3.17	1. .
7	5.9 5 6.1	5.1 5.80	1 3.26	
10	6.3 6.1	6.2 6.25	1 0 3.10	
11	6.7 6.5	6.1 6.70	0 0 3.04	
12	6.7 6.5	6.9 8 6.80	1 3.16	
14		7.8	2.99	
16		8.1	3.08	
17		8.5 8.75	1 0 2.93	
19		8.1 8.8	3.08	
21		9.20 0 0 9.2 1 9.2 9.60 0 0	3.14	
22		9.6 9.6 9.70 0 0	2.90	
23		9.7 9.7 9.90 1 1	3.09	
25		10.0 9.8	3.20	
26		m.s. w.s.	,	
27				
28				
29				
9a	6.9			
9b	9.			
9c	9			
12a		7.6	2.81	

1 * magn poor - all elongated

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1917phae.proj.10790

Tuesday February 20, 1917.

Scale m. B Series 321.

B 48 429 C 2 - Diffr. Imn.

	g pc.1	g sc.2	h pc.1	h sc.2
1	q		q	
2	q			
3	q			
4	q		q	
6	q			
7	q			
10	q,b	-.025		-.025
11	n.s.			
12				
14				
16				
17				
19				
21				
9a				
9b				
9c	q		q	

Diffr Images are very poor.

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1917phae.proj.10790

Tuesday February 20, 1917.

Copied 34; 35

Scale m.

B Series 321.

Alt Corr +06

B 48430 143K 3 0-29.6

	sc.1	sc.2	Cu.		g sc.2	h	P.C. sc.2
	7.0						
1	6.8	7.0 7.00 00	2.89	9.89	‡	‡	n.s.
2		7.4	2.86	10.26	n.s.	n.s.	
3		7.6	2.86	10.46			
4		7.6	2.86	10.46			
5		8.1	2.85	10.95			
6		8.1	2.85	10.95			
7		8.4	2.86	11.26			
8		8.4	286	11.26			
9		9. 8.90 1.1	,	,			
10		8.8 9.0 9.05 1.0	2.90	11.80			
11		9.1 9.0 9.40 .60	2.95	12.00			
12		9.4 9.4 9.60 .60	3.03	12.43			
13		9.6 9.6 9.75 1.0	3.09	12.69			
14		9.1 9.8	3.12	12.87			
15		n.s. n.s.	,	,			

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Tuesday February 20, 1917.

Copied 27:12

Scale m. B Series 321- Alt Corr +08

B 48431* D2- 3 - 15°

	pc.1	pc.2			g	h	P.C. Dc2	
1	q				q		9.1 - 1.81	7.29
2					q		9.4 - 1.82	7.58
3	q				q		9.4 - 1.82	7.58
4					q		9.8 - 1.82	7.98
5					q		9.1 - 1.83	7.87
6					q		10.0 - 1.80	8.20
7	q		.		q		q .	.
8	q		.		q		f. .	.
9	q		.		q		ns. .	.
10	q	q	.		q			
11	q	5.1	3.01	8.71				
12	5.1 5.9	6.1 6.00 ⊥1	3.00	9.00				
13	q	6.2	2.97	9.17				
14	6.4 6.6 q	6.8 6.70 ⊥1	2.94	9.64				
15		7.3 q	2.87	10.17				
16		7.5	2.86	10.36				
17		7.7	2.85	10.55				
18		q 8.40 ⊥0	.	.				
19		8.4 8.4 q	2.86	11.26				
20		8.5 8.45 ⊥0 8.7 q	2.86	11.31				
21		9.2 9.15 ⊥1 9.1 q	2.97	12.12				
22		9.5 9.55 ⊥0 9.6	3.07	12.62				
23		f. f.	.	.			Diffr. Ims. very poor.	
24		ns.	.	.				
25								
26								

* Images are very very poor.

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1917phae.proj.10790

Tuesday February 20, 1917

Scale M.

B Series 321.

B 48431. D2 cont.

	sc.1	sc.2	
	1.		
27	~~307~~		
28	4.		
~~29~~			
~~30~~			
31	~~5~~		
32	6		
	7		
	8		
	9		

Rd. Means Sm

Diff.

3.32

3.41

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3.55

3.28

.

.

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3.07

2.98

3.21

.

.

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Tuesday February 20, 1917.

Copied 34:11

Scale M.

Ophiuchi

B series 321-

Alt Corr +08

B 48432 119 K. 3 11-148

Rd. Magn. from Means of B48503, 48753 See BK 34 p. 11

Diff. Corr Magn. Scale. Corr.														
				RC 1	RC 2				Diffr. Imn. q		h		P.C. RC 2	
	1			B.	B.	.			q	q			9.7	− 1.83 7.87
3.32	3.38	8.88	2	5.4 5.2 6.1	5.6	5.50	1	3.03	8.53	q	9.2	− 0.24 8.96	?	. .
3.41	3.40	9.50	3	5.9	6.1	6.10	0	2.99	9.09	?	?	. .		
.	.	.	4	q 6.4	q	.		.						
2.55	3.39	9.84	5	6.2	6.5	6.45	0	2.95	9.40					
3.28	3.28	10.58	6		7.3			2.87	10.17					
.	.	.	7		q	.		.						
.	.	.	8		q	.		.						
.	.	.	9		q 8.75	.	1	.						
3.07	3.07	11.82	10		8.1 9.00	8.8	1	2.90	11.65					
2.98	3.04	12.04	11		9.1 9.35	8.9	0	2.94	11.94					
3.21	3.03	12.38	12		9.4	9.3		3.01	12.36					
.			13		?	?		.						
.			14		ns	ns.		.						
			15											

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1917phae.proj.10790

Tuesday February 20, 1917. Copied 35:152

Scalem B Series 321. Alt Corr -01

B 48 433 Carte 3 00 – 51.5

						g	h		P.C.		
	sc.1	sc.2				sc.2	sc.2		sc.2		
1	5.9 5.7	5.8	5.85	10	3.00	8.85	8.6 9.45	9.1	100?	–1.81	8.19?
2	6.9 7.2	6.8	6.85	10	2.91	9.76	9.4	9.5 – 0.20	9.25	ns	"
3	7.0	7.0	7.10	11	2.89	9.99	7	10.0? – 0.14	9.86?		
4		7.6			2.86	10.46	ns	ns	"	"	
5		7.8			2.85	10.65					
6		8.0			2.85	10.85					
7		8.1			2.85	10.95					
8		8.1			2.85	10.95					
9		8.3			2.86	11.16					
10		8.5 8.60	8.7	11	2.89	11.49					
11		9.1 9.00	8.9	11	2.94	11.94					
12		9.2 9.30	9.4	10	3.00	12.30					
13		9.3 9.35	9.4	00	3.01	12.36					
14		10.0 10.00	10.0		3.24	13.24					
15		7.	7		"	"					

Best plate of series so far. much better than preceding plates.

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1917phae.proj.10790

Tuesday February 20, 1917

Copied 34:59

Scale m. B Series 321. Alt Con +02

B 48434 167 K. 3 38 -44.9

	Sc.1	Sc.2				Diffr. Im. g	Diffr. Im. h			Q.C. Sc.2
	6.9					9.65 10				
1	6.7	6.8	6.85 10	2.91	9.76	9.7	9.6	−0.18	9.47	W.S.
2		7.5		2.86	10.36	7.	7.			
3		7.5		2.86	10.36					
4		8.2		2.86	11.06					
5		8.4		2.86	11.26					
6		8.4		2.86	11.26					
7		8.6		2.88	11.48					
8		8.6		2.88	11.48					
9		9.0	9.00 00	2.94	11.94					
10		9.0	9.0 9.20 00	2.94	11.94					
11		9.2	9.2 9.70 00	2.99	12.19					
12		9.7	9.7 9.80 00	3.11	12.81					
13		9.8	9.8	3.14	12.94					
14		7.	7.	,	.					
15										

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1917phae.proj.10790

Tuesday February 20, 1917.

Slant 64

Scale m.

B Series 321-

B 4844 C3.

	sc.1	sc.2			Diff. Im. sc.2 sc.2		PC. sc.2
1	⊗				6.9?	q − 0.27	84 − 1.77
2					q	q .	88 − 1.86
3	B				q	q .	9.0 − 1.78
4	4.9 4.1			2.55	q	q .	9.4 − 1.95
6	5.0 4.8			2.71	q	8.1 − 0.39	9.6 − 1.89
7	5.3 5.1	B		2.75	8.40 00 8.4	8.4 − 0.35	10.0 − 1.95
8	5.5 5.3	5.4	545 10	2.78	845 01 8.4	8.5 − 0.22	
10	5.7 5.5	5.1	570 00	2.99	8.8	q − 0.11	
11	6.1 5.9	6.0	605 10	3.00	925 01 9.2	9.3 − 0.20	
13	6.5 6.3	6.5	650 00	2.93	965 10 9.7	9.6 − 0.22	
14	7.2 7.0	7.1	715 01	2.70	f	f .	
15		7.4		2.74			
16		7.5		2.81			
19		7.9		2.78			
21		825 01 8.2	8.3	2.80			
22		835 10 8.3	8.4	2.85			
23		875 10 8.1	8.8	2.86			
24		910 00 9.1	9.1	2.72			
26		940 00 9.4	9.4	2.74			
27		965 01 9.6	9.7	3.13			
28		985 10 9.9	9.8	3.36			

This plate better than first C region plate (

30 f. f

4: 1:55

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1917phao.proj.107000

Monday
Thursday, February 26, 1917.

Sheet 65

Scale m:

B Series 321.

10:73 B 48429 C 2.

	pc.1	pc.2			Diffr. Ims. g	h	P.C. pc.2	
1	q		.		q		8.6 − 1.66	6.94
2	q		.		q		9.1 − 1.86	7.24
3	q		.		q		9.5 − 1.86	7.64
4	5.5 5.3		2.70	8.20	q		10.0 − 1.80	8.20
6	q		.		9.1	hor. −.043	8.67	
7	5.9 5.1	5.1 5.80 1 1	3.26	9.06	9.2	−.014	9.06	
10	6.1 5.9	6.21 6.15 1 0	3.20	9.35	9.6	−.25	9.35	
11	6.6 6.4	6.4 6.50 1 1	3.24		ns	.	.	
12	7.0 6.8	6.8 6.90 1 1	3.06					
		7.5	2.91					
14		7.6	3.19					
16		8.1	3.08					
17		8.3 8.70 1 1	3.13					
19		8.8 8.6	3.13					
21		9.25 0 1 9.2 9.3	3.09					
22		9.50 0 0 9.5 9.5	3.00					
23		9.75 1 0 9.7 9.8	3.04					
25		9.95 1 0 9.9 10.0	3.15					
26		? ?	.					
27								
28								
29	7.0							
9a	6.8				q			
9b	5.9 q							
9c	5.1				q			
12a								

All images are very fuz

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Monday February 26, 1917

Copied 27:174

Scalem. B Series 321. Alt Cor - 30

B 48436 . F1. 4-75°

G.C.

	sc.1	sc.2			sc.1		
1	.				8.9	− 1.80[5]	7.06
2	.				qf	.	.
3	.				9.2	− 1.86	7.38[4]
4	.				9.2	− 1.86	7.38[4]
5	qf		.		9.3	− 1.87	7.43[3]
6	qf		.		9.4	− 1.82[8]	7.58[2]
7	qf		.		9.8	− 1.82[3]	7.98[7]
8	5.2 (5.4)		304	8.44	N.S.	.	.
9	4.9 (5.1)	qf	2.05	8.15			
10	qf	qf	.	.			
11	qf	5.1	305	8.15			
12	6.2 (6.4)	6.5 6.45 0 1	2.95[6]	9.48[1]			
13	5.8 (6.0)	6.2 6.10 1 1	2.99[301]	9.07[11]			
14	5.5 (5.7)	5.6 5.65 1 0	3.01[10]	8.65[7]			
15	6.4 (6.6)	6.6 6.60 0 0	294	9.54			
16	6.2? (6.4)	6.4 6.40 0 0	2.95[7]	9.35[7]			
17	6.9 (7.1)	7.1 7.10 0 0	289	9.99			
18		7.5	~~92~~ 2.86	~~42~~ 10.36			
19		7.5	~~92~~ 2.86	~~42~~ 10.36			
20		7.5	~~92~~ 2.86	~~42~~ 10.36			
21		7.8	2.86[7]	10.65[7]			
22		7.8	2.86[7]	10.65[7]			
23		8.1	285[90]	11.05 ~~10.95~~			
24		8.3	286[91]	11.16[21]			
25		8.1	289[6]	11.59[6]			
26		8.8	298	11.78			

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Monday February 26, 1917.

Scale m.

B Series 321.

B 48 436 F1 cont.

	sc?	sc?				
	8.60	00				
27	8.6	8.6	2.98	11.48	2.95	11.55
	9.10	00				
28	9.1	9.1	2.96	12.06	3.01	12.11
	9.50	00				
29	9.5	9.5	3.05	12.55	3.09	12.59
	9.66	01				
30	9.6	9.7	3.09	12.74	3.10	12.75
	9.70	00				
31	9.7	9.7	3.10	12.80	3.11	12.81
	9.80	00				
32	9.8	9.8	3.14	12.94	3.13	12.93
	9.95	01				
33	10.0	9.9	3.22	13.17	3.16	13.11
34	n.s.	n.s.				

Series reduced from wrong curve.

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Monday February 26, 1917.

Scale m. B series 321

B 48 436 Z1. Diffr. Imv.

	g sc.1	g sc.2	h sc.1	h sc.2		
1	g					
2	g					
3	g					
4	g					
5	g					
6	g					
7		g				
8		g				
9		g				
10		g				
11		g				
12		g				
13		9.2 g		g	-0.23	8.99
14		9.5		g	-0.00	9.38
15						
16						
17						
18						
19						
20						

Diffr. Images very poor. Not at all comp. with scale.

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1917phae.proj.10790

Monday February 26, 1917.

Copied 34:36

Scale m. B Series 321. Alt Con +06

B48437 144K 4 02 -29.9°

Diffr. Inns. P.C.

	sc1	sc2					g	h	sc2
1	6.3 6.1	6.2	625	10	2.96	2.99	9.24	g	g	ns.
2	6.8 6.6	6.8	680	00	2.91	2.91	9.71	∓	∓	ns.
3	7.0 6.8	7.1	705	0	2.89	2.89	9.94			
4		7.3			2.88	2.88	10.18			
5		9			.	.	.			
6		7.9			2.85	2.87	10.7~~8~~ 7			
7		8.1			2.85	3.00	11.~~9~~10~~5~~			
8		8.6			2.88	2.95	11.~~48~~ 55			
9		8.8			2.91	2.98	11.78			
10		9.26 0 9.3 9.21 ~~++~~ 9.20 00			2.99	3.04	12.2~~9~~4			
11		9.2 9.7² 9.80 00			2.98	3.03	12.~~48~~ 23			
12		9.8	98		3.14	3.14	12.94			
13		10.1	∓		3.29	3.19	13.~~89~~ 2			
14		10.1	∓		3.29	3.19	13.~~89~~ 2			
15		ns.			.		.			

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1917phae.proj.10790

Monday February 26, 1917.

Cofried 34: 12

Scalem.

B Series 321.

Alt Corr +07

B 484 38 120 K. 4 13 - 15.1

	AC.1	AC.2			Cw.		AC.7	Magn	P.C.
	5.7								
1	5.5	5.6	5.65	1 0	3.01	3.10	8.66	8.75	NO 2
	5.9								
2	5.1	5.9	5.90	0 0	3.00	3.05	8.90	8.95	NO S.
	6.6								
3	6.4	6.8	6.70	1 1	2.94	2.92	9.64	9.62	
4		1.6			2.85	2.86	10.45	10.46	
5		8.1			2.85	3.00	10.95	11.10	
6		8.1			2.85	3.00	10.95	11.10	
7		8.6			2.88	2.94	11.48	11.54	
8		9.4			3.03	3.07	12.43	12.47	
9		10.0			3.24	3.18	13.24	13.18	
10		f.			.	.	.	.	
11		N.S.			.	.	.	.	
12									
13									
14									
15									

Only trace present.

Diffr. Images very poor.

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1917phae.proj.10790

Monday February 26, 1917.

Copied 34:93

Scale m. B Series 3.21. Alt Cou - 30

B 48439 201K 4 28-749

Diff. dm. pc. 2

P.C.

	nc1 7.1	nc2			g 980 00 h			
1	6.9	7.0 7.05	1.0	2.90	9.95	9.8	9.8 − 0.16 1	9.69
2		7.3		2.88	10.18			
3		7.5		2.86	10.36			
4		7.6		2.86	10.46			
5		8.0		2.88	10.88			
6		8.5		94 2.87	44 11.37			
7		8.6		95 2.88	55 11.43			
8		8.1		2.95	11.65			
9		9.1		301 2.96	11 12.06			
10		9.20 00 9.21	9.2	304 2.99	24 12.19			
11		9.40 00 9.4	9.4	7 303	7 12.48			
12		9.40 00 9.4	9.4	7 303	7 12.48			
13		9.70 00 9.7	9.7	2 318	2 1280			
14		10.06 01 10.0	10.1	19 3.25	24 1330			
15		ns.	ns.					

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1917phae.proj.10790

Monday February 26, 1917.

Sheet 65

Scale M. B Series 321 -

	B 48440			C3.	g h			B.c.	
	sc.1	sc.2			sc2	sc7		sc2	
1	B			.	7.1	g	- 0.47	8.6	- 1.97
2	B.			.	g	g	,	8.8	- 1.86
3	B.			.	g	g	,	8.8	- 1.58
4	5.1 4.9	5.1	510 00	2.35	g	8g	,	9.4	- 1.95
6	5.1 4.9	5.2	515 10	2.56	g	7.9	- 0.19	9.6	- 1.89
7	5.4 5.2	5.3	535 01	2.70	840 00 8.4	8.4	- 0.35	10.0	- 1.95
8	5.4 5.2	5.4	540 00	2.83	840 00 8.4	8.4	- 0.17	10.0	- 1.77
10	5.8 5.6	5.7	575 01	2.94	895 21 8.8	9.1	- 0.26	ms	,
11	6.0 5.8	6.1	605 01	3.00	920 00 9.2	9.2	- 0.15		
13	6.7 6.5	6.5	660 11	2.83	945 01 9.4	9.5	- 0.02		
14	7.0 6.8	7.1	705 01	2.80	f	10.0	- 0.15		
15		7.4		2.74	ms	ms	,		
16		7.7		2.61					
19		8.1		2.58					
21		8.2		2.85					
22		8.4		2.80					
23		8.7		2.91					
24		9.1		2.72					
26		9.2		2.94					
27		9.6		3.18					
28		9.9		3.31					
30		ms.		.					

11.35

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Saturday March 10, 1917.

Shutter 66

Scale m.

B series 325.

9:30 B 48477 C 2.

P.C.

	sc. 1	sc. 2			sc. 2.
1	B.				8.1 – 1.76
2	4.8 4.6			2.44	8.9 – 1.66
3	5.0 4.8			2.64	9.2 – 1.56
4	5.5 5.3			2.70	9.1 – 1.50
6	5.5 5.3	5.3	5.40	1 1 3.27	″ ″
7	6.0 5.8	5.8	5.90	1 1 3.16	
10	6.3 6.1	6.4	6.35	1 0 3.00	
11	6.7 6.5	6.7	6.70	0 0 3.04	
12	6.9 6.7	6.9	6.90	0 0 3.06	
14		7.6		3.19	
16		8.1		3.08	
17		8.1		3.33	
19		8.50 0 0 8.5	8.5	3.33	
21		9.20 0 0 9.2	9.2	3.14	
22		9.35 0 1 9.4	9.3	3.15	
23		9.60 1 1 9.7	9.5	3.19	
25		9.65 1 0 9.7	9.6	3.45	
26		″	″		
27		″	″		

See next page.

9a	6.9 6.7	6.8	6.85	1 0	
9c	5.9 5.1	5.6	5.75	1 2	
9b					
12a		7.5		2.91	

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Saturday, March 10, 1917.

Scalem

B Series 325.

	B 48477		C2 -		Diffr. Inn.
	g		h		
	sc.1	sc.2	sc.1	sc.2	
1	g		g		'
2	g		7.3?	g	-0.06
3	g		g		'
4	8.2?		g		0.00
6	8.5		g		0.17
7	9.1		g		-0.04
10	9.4		g		-0.05
11	f.		~~f.~~		'
12	n.s.		n.s.		'
14					
16					
17					
19					
21					
22					
23					

Diffr Inn. very poor

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Scale m B Series 325. Alt Corr +08

B 48 477? D 2.

						P.C.		
	sc.1	sc.2		Cu.	Magn	sc.2		
1	B.			.		8.8	− 1.65	7.15
2	52 5.0			2.86	806	9.7[5]	− 1.59	7.91
3	B			.	.	9.1 not mean centre.	− 1.62	7.48
4	51 4.9			2.84	7.94	9.6	− 1.58	8.02
5	50 4.8	5.1	505 0	1 2.84	7.89	9.4	− 1.60	7.80
6	58 5.6	5.1	575 0	1 2.93	8.68	n.s.	,	,
7	58 5.6	5.1	575 0	1 2.93	8.68			
8	57 5.5	5.1	570 0	0 2.92	8.62			
9	63 6.1	6.2	625 1	0 3.00	9.25			
10	62 6.0	6.2	620 0	0 2.99	9.19			
11	66 6.4	6.6	660 0	0 3.04	964			
12	68 6.6	6.7	675 0	1 3.07	9.82			
13		7.2		3.10	10.30			
14		7.5		3.14	10.64			
15		7.8		3.14	10.94			
16		7.9		3.15	11.05			
17		8.1		3.18	11.28			
17a		8.3		3.19	11.49			
18		8.5		3.20	11.70			
19		8.6		3.21	11.81			
20		8.6		3.21	11.81			
21		9.2 9.1	915 0 1 935 1 0	3.25	12.40			
22		9.3 9.4	955 1 0	3.26	12.61			
23		9.5 9.6	975 1 0	3.29	12.84			
24		9.7 9.8	995 1 0	3.30	13.05			
25		9.9 10.0		3.31	13.26			
26		?						

dbl?

Smaller than 10.0

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Saturday March 10, 1917

Scale m

B Series 325.

B 48478 D2 cont

	so2
27	ms.
28	ms.
29	
30.	

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Scale m

B Series 3225.

B 47478 D2- Diffr Imm.

	g sc.1	sc.2	h sc.1	sc.2	Cw.	
1	7.6		q		-0.02	7.58
2	q		7.9		-0.05	7.85
3	7.5		q		-0.01	7.49
4	8.2	82000	8.2		-0.08	8.12
5	q		q		.	.
6	8.5	8.55±0	8.6		-0.10	8.45
7	8.1	8.65±0	8.6		-0.10	8.55
8	8.6	8.6000	8.6		-0.10	8.50
9	9.0		q		-0.13	8.87
10	9.2		q		-0.14	9.06
11	9.1	9.75±0	9.8		-0.17	9.58
12	9.8	9.8000	9.8		-0.18	9.62
13	9.9		?		-0.18	9.72
14	ns.		ns.		.	.
15						
16						
17						
18						
19						
20						

Diffr Images poor, but not as poor as the C Region.

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Saturday March 10, 1917

Copied 34, 11

Scale m. B series 325. Alt Cor +08

Rel. Magn from Copied Mean of B48533, 48753 BK 34 p. 11

B 48480 119 K. 3 11-14.8.

Diff.	Cum Magn.			pc 1	pc 2		Cw		Diff. Im g h	Pc. pc 2
			1	B. 5.6						9.7 − 1.57 8.13
3.32	3.48	8.98	2	5.3	q		2.90	8.40	to	f.
3.61	3.60	9.50	3	6.0 5.8	5.8	590 1 L	2.96	8.86	from	
			4	q.	q				to	
3.90	3.63	9.73	5	q 6.9	6.1		2.99	9.09	measure.	
3.73	3.70	10.55	6	6.1	6.8	6.85 10	3.08	9.93		
			7		q					
			8		q					
			9		q					
			10		q	q				
38 3.22	3.40	12.00	11		8.60 8.1	1 8.5	3.21	11.81		
3.31	3.29	12.54	12		925 9.3	10 9.2	3.25	12.50		
			13		f.	f.				
			14		n.s.	n.s.				
			15							

All images very poor. measure. of S.L.

Sequence is about 45 mm from center of plate.

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Saturday March 10, 1917.

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Scale m. B Series 325. Alt Cont 02

B 48481 167 K 3 38-44.9

	sc.1	sc.2		Cu		g sc.2	h sc.2		P.C.
1	6.4 6.2	6.5	6.45 0	1 3.02	9.47	~~ws~~ 9.5	9.6 – 0.18	9.42	ws
2	6.9 6.1	6.8	6.85 1	0 3.05	9.90	ws.	ws.		
3	7.1 6.9	7.2	7.15 1	0 3.10	10.25				
4		7.8		3.15	10.95				
5		7.9		3.15	11.05				
6		8.1		3.18	11.28				
7		8.4		3.20	11.60				
8		8.4		3.20	11.60				
9		8.70 0 8.7	8.7	3.22	11.92				
10		8.75 1 8.1	8.8	3.23	11.98				
11		9.15 1 9.1	9.2	3.25	12.40				
12		9.70 1 9.6	9.8	3.29	12.99				
13		10.00 0 10.0	10.0	3.31	13.31				
14		7. 7.		,	,				
15									

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1917phae.proj.10790

Saturday
~~Friday~~ March 10, 1917.

Sheet 66

Scale m.

B series 325.

B 48482 C2.

	pc.1	pc.2			~~Diff~~ B.C. pc.2
1	B.				8.6 – 1.66
2	4.4 4.2			2.84	8.1 – 1.46
3	4.9 4.7			2.74	9.3 – 1.66
4	5.4 5.2	5.3	5.35 0 1	2.85	9.8 – 1.60
6	5.4 5.2	5.6	5.50 1 1	3.17	~~Diff~~ B.
7	5.9 5.1	5.9	5.90 0 0	3.16	
10	6.3 6.1	6.3	6.30 0 0	3.05	
11	6.7 6.5	6.8	6.75 1 0	2.99	
12	6.7 6.5	6.8	6.75 1 0	3.21	
14		7.6		3.19	
16		7.9		3.28	
17		8.1		3.33	
19		8.60 1 1 8.1	8.5	3.23	
21		9.10 0 0 9.1	9.1	3.24	
22		9.30 1 1 9.4	9.2	3.20	
23		9.40 0 0 9.4	9.4	3.39	
25		9.70 0 0 9.1	9.1.	3.40	
26		~~Diff~~ B.	~~Diff~~ B.		
27		m.s.			
28					
29					
30					
9a	6.9 6.7	6.8	6.85 1 0		
9b	6.9 6.7	6.7	6.80 1 1		
9c	5.9 5.1	5.8	5.85 1 0		

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Saturday March 10, 1917.

Scale m. B Series 3205

B 48 482 Cz. Diffr Images.

	9		h	
	sc1 sc2		sc2	
1	9		.	
2	10		.	
3	7.6		.	0.04
4	8.2	8.25 01	8.3	−0.05
6	9		.	
7	9		.	
10	9.6	9.65 01	9.1	−0.30
11	7		7	
12	ws		ws.	
14				
16				
17				
19				
21				
22				
23				

10:50

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Monday March 12, 1917.

Slit 66

Scale m.

9:10

B Series 325.

B 4848 s2 ~~A~~ C 2.

G.C.

	sc.1	sc.7			sc.2
1	4.5 4.3			2.44	8.1 – 1.76
2	4.9 4.1			2.34	8.8 – 1.56
3	4.9 4.1			2.74	9.1 – 1.46
4	5.4 5.2			2.80	9.78 – 1.60
6	5.3 5.1	5.4	5.35 1 0	3.32	1 ,
7	5.9 5.1	5.9	5.90 0 0	3.16	
10	6.4 6.2	6.1	6.25 2 1	3.10	
11	6.8 6.6	6.3	6.55 2 3	3.19	
12	6.8 6.6	6.7	6.75 0 1	3.21	
14		7.6		3.19	
16		7.9		3.28	
17		8.3		3.13	
19		8.6		3.23	
21		8.95 1 2 9.1	8.8	3.39	
22		9.25 2 1 9.4	9.1	3.25	
23		9.55 1 0 9.5	9.6	3.24	
25		9.65 1 0 9.7	9.6	3.45	
26		1	1	,	
27		n.s.	n.s.	,	
28					
9a	7.1 6.9				
9b	6.8 6.6				
9c	5.9 5.7				
12a		7.6		2.81	

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Monday March 12, 1917.

Scale M. B Series 325.

	B 4848 2	☆ C2	Diff. Im.
	g	h	
	sc.1 sc.2	sc.1 sc.2	
1	g	g	
2	g	g	
3	g	g	
4	g	8.1	0.10
6 ~~5~~	g	g	
7 ~~6~~	9.1		−0.04
10 ~~7~~	9.6		−0.25
11 ~~8~~	10.1		−0.36
12 ~~9~~	n.s.		
14 ~~10~~			
16			
17			
19			
21			
9a	g	10.1	
9b	n.s.	n.s.	
9c	8.1	g	

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Scale m. B Series 325. Alt Cor - 30

B 4848 #3 ~~F2~~ F1 $\frac{4}{+2}$ −75°

	sc.1	sc.2		Cu		~~Dc.~~ Diff. Inn. g sc.2	h sc.2			Dc. sc.2		
1	4.0			2.72	6.72	g		.		8.7	−1.60	7.10
2	B.			.	.	g	g	.		8.8	−1.60	7.20
Edge 3	B.			.	.	g		.		9.1	−1.60	7.50
4	4.5			3.00	7.70	g	g	.		9.0	−1.60	7.40
5	3.8			2.72	6.72	g		.		8.9	−1.60	7.30
6	4.5			3.00	7.70	g		.		9.2	−1.60	7.60
7	g			.	.	g	g	.		9.7	−1.61	8.09
8	5.1	5.5	5.40	3.19	8.59	8.35	8.3	0.08	8.43	9.8	−1.62	8.18
9	5.2	5.5	5.45	3.19	8.64	8.5	g	0.04	8.54	ws	.	.
10	5.3	5.6	5.55	3.21	8.76	g	g	.	.	g	.	.
11	5.3	5.6	5.55	3.21	8.76	g	g	.	.	ws	.	.
12	6.3	6.5	6.50	3.29	9.79	9.40	9.4	−0.19	9.21			
brighter than 13. 13	6.2	6.2	6.30	3.28	9.58	9.2	g	−0.14	9.06			
14	5.8	5.9	5.95	3.25	9.20	9.15	9.2	−0.12	9.03			
15	6.6	6.8	6.80	3.30	10.10	9.55	9.6	−0.23	9.32			
16	6.3	6.6	6.55	3.29	9.84	9.95	10.0	−0.32	9.63			
17		7.4		3.30	10.70	f	f	.	.			
18		7.5		3.29	10.79	ws	ns	.	.			
19		7.5		3.29	10.79							
20		7.7		3.28	10.98							
21		7.9		3.27	11.17							
22		7.6		3.29	10.89							
23		8.1		3.25	11.35							
24		8.2		3.25	11.45							
25		8.6		3.22	11.82							
26		8.8		3.21	12.01							

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Monday March 12, 1917.

Seale m B Series 325.

B 48 484[3] ~~E~~ F1 cont.

		$\alpha_{1,2}$	$\alpha_{1,2}$	ρ_w
27		8.1	3.22	11.92
28		9.0	3.20	12.20
29		9.4	3.18	12.58
	945 01			
30		9.4 9.5	3.18	12.63
	950 00			
31		9.5 9.5	3.17	12.67
	985 10			
32		9.9 9.8	3.14	12.99
	990 00			
33		*9.9 9.9	3.14	13.04
34		ms ms.	.	.

See p. 159 for next plate B 48484.
Measured out of order by mistake.

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Monday March 12. 1917.

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Scale M

B series 325

Alt Cont 06

B 48485 144 K 4 02-29.9

	sc 1	sc 2				g sc 2	h sc 2			BC. sc 2
	6.6					9.50	1 1			
1	6.4	6.5	6.55	0	3.29	9.84	9.4	9.6 - 0.22	9.28	n.s.
	6.9									
2	6.9	6.9	6.90	00	3.30	10.20	10.0	9.7 - 0.34	9.66	
	7.2									
3	7.0	7.2	7.20	00	3.30	10.50	n.s	n.s .	.	
4		7.6			3.29	10.89				
5		7.8			3.28	11.08				
6		8.1			3.25	11.35				
7		8.3			3.24	11.54				
8		8.1			3.22	11.92				
9		8.8			3.21	12.01				
		9.20	00							
10		9.2	9.2		3.19	12.39				
		9.10	00							
11		9.1	9.1		3.20	12.30				
		9.55	1 0							
12		9.5	9.6		3.17	12.72				
		10.00	00							
13		10.0	10.0		3.14	13.14				
		9.95	1 0							
14		9.9	10.0		3.14	13.09				
15		—								

no 15 selected, plate does not show ff stars

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Monday March 12, 1917.

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Scale m. B Series 325 Alt Corr – 30

B 4848 6 201 K 4 28-749

	sc.1	sc.2				g sc.2	h sc.2			B.C. sc.2
1	66 64	67	6.65	0 1	3.29	9.94	9.995 ± 0 9.9	10.0	– 0.32	9.63 NS
2	69 67	68	6.85	1 0	3.30	10.15	ns	ns.		
3	70 68	68	6.90	1 1	3.30	10.20				
4	71 69	72	7.15	± 0	3.30	10.45				
5		76			3.28	10.88				
6		82			3.25	11.45				
7		84			3.24	11.64				
8		84			3.24	11.64				
9		81			3.22	11.92				
10		9.20 9.1	± 1	9.3	3.19	12.39				
11		9.20 9.1	1 1	9.3	3.19	12.39				
12		9.45 9.4	0 1	9.5	3.17	12.62				
13		9.75 9.1	1 0	9.8	3.15	12.90				
14		↓		↓	,	,				
15		—		—		,				

no star 15.

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Monday March 12, 1917.

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Scale m. B Series 325. Alt Con + 02

B48487 168 K 4 39-45.1

	sc.1	sc 2		Cu.		g sc 2	h sc 2	P.C. sc 2	
1	B.	4.3		2.84	7.14	#g	# g	9.3 – 1.60	7.70
2	5.3 5.1	5.4	5.35 1 0	3.17	8.52	g	g	1. .	.
3	5.9 5.1	5.1	5.80 1 1	3.25	9.05				
4	6.0 5.8	6.4	6.20 2 2	3.28	9.48				
5	6.7 6.5	6.5	6.60 1 1	3.29	9.89				
6		7.2		3.30	10.50				
7		7.8 g		3.26	11.06				
8		8.1		3.25	11.35				
9		8.3 g		3.24	11.54				
10		8.7		3.22	11.92				
11		9.1 0 0 9.1 9.15 0 1		3.20	12.30				
12		9.2 9.1 9.05 1 0		3.19	12.34				
13		9.7	9.6	3.16	12.81				
14	.	very ft	1.	.	.				
15		n.s.	n.s.	.	.				

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1917phae..proj..10790

Monday March 12, 1917.

Copied 34' 108

Scale m. B series 325. All Corr − 30 +02

B 4848½ E 2. 4 − 45°

	sc 1	sc 2		Cu.		Diff 1 m. sc 2				P.C. sc 2		
1	B.			.	.	q	q	.		8.1	− 1.60	7.10
2	5.1 4.9			3.12	8.22	q	q	.		9.3	− 1.60	7.70
3	4.9 4.7			3.08	7.98	7.7	q	.		9.1	− 1.60	7.50
4	4.	5.1?		3.12	8.22?	7.9? 8	q	.		9.1	− 1.60	7.50
5	5.2 5.0	5.4	5.30	1 1 3.16	8.46	8.1	q	0.12	8.22	9.6	− 1.61	7.99
6	5.5 5.3	5.4	5.45	1 0 3.19	8.64	q	8.2	0.10	8.30	9.6	− 1.61	7.99
Edge	7 q	.		.	.	q	q ε	.	.	9.8	− 1.61	8.19
Edge	8 q	.		.	.	q	q ε	.	.	10.0	− 1.62	8.38
	6.0 9 5.8	5.8	5.90	1 1 3.26	9.16	8.60 00 8.6	8.6	0.01	8.61	10.0?	− 1.62	8.38?
	6.0 10 5.8	5.9	5.95	0 1 3.26	9.21	8.60 00 8.6	8.6	0.01	8.61	10.0?	− 1.62	8.38?
	6.1 11 5.9	6.1	6.10	00 3.27	9.37	8.60 00 8.6	8.6	0.01	8.61	n.s.	.	.
	6.1 12 5.9	6.1	6.10	00 3.27	9.37	8.1 8.65 10	8.6	0.00	8.65			
	6.2 13 6.0	6.3	6.25	0 1 3.28	9.53	partly sup.	q	.	.			
	6.4 14 6.2	6.4	6.40	00 3.29	9.69	q	9.3	− 0.17	9.13			
	6.8 15 6.6	6.8	6.80	00 3.29	10.09	9.7 9.75 1 0	9.8	− 0.28	9.47			
	6.6 16 6.4	6.6	6.60	00 3.29	9.89	9.5 9.55 1 0	9.6	− 022	9.33			
(partly sup on diffr of 13)	17	7.2		3.30	10.50	sup	sup.	.	.			
	6.8 18 6.6	6.8	6.80	00 3.29	10.09	9.8	q	− 029	9.51			
	7.1 19 6.9	7.2	7.15	1 0 3.30	10.45	1	1	.	.			
	20	7.4		3.29	10.69							
	21	7.6		3.28	10.88							
	22	7.8		3.27	11.07							
	23	7.9		3.26	11.16							
	24	8.0		3.26	11.26							
	25	8.2		3.25	11.45							
	26	8.4		3.24	11.64							

measured out of order by mistak

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1917phae.proj.10790

Monday March 12, 1917.

Scale m. B Series 325.

B 48484 cont. E 2 cont.

exposure diff. time	24			
	28	8.1	3.22	11.92
	29	8.1	3.22	11.92
	30	8.8	3.21	12.01
	31	9.0	3.20	12.20
		9.35 0.1		
	32	9.4 9.3	3.18	12.53
		9.35 0.1		
	33	9.4 9.3	3.18	12.53
		9.55 1.0		
	34	9.5 9.6	3.17	12.72
		9.80 0.6		
	35	9.8 9.8	3.15	12.95
	36	↓ ↓		

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1917phae.proj.10790

Monday March 12, 1917.

Scale m. B Series 3 2 5.

B 48 488 C 3.

							sec 2	h		B.C.
							g	sec 2		sec 2
1	B						gf	all		8.4 – 177
2	B						gf	im		8.5 – 156
3	B						gf			8.8 – 158
4	B.	4.4			3.05		gf	bb		9.3 – 185
6	4.9 4.1	4.8	4.85	1 0	2.86		gf			9.4 – 169
7	4.7 4.9	4.9	4.90	0 0	3.15		gf	hazy		9.6 – 156
8	4.9 5.1	5.1	5.10	0 0	3.13		gf			10.0 – 177
10	5.2 5.4	5.6	5.50	±	3.19		gf			ws.
11	5.5 5.7	5.6	5.65	1 0	3.40		9.2			
13	5.7 5.9	5.7	5.80	1 ±	3.63		gf			
14	6.1 6.3	6.1	6.20	1 ±	3.65		ws.			
15	6.2 6.4	6.4	6.40	0 0	3.74					
16	6.6 6.8	6.8	6.80	0 0	3.51					
19		7.3			3.38					
21		7.6			3.45					
22		7.9			3.30					
23		8.2			3.41					
24		8.75 ± 0 8.1			8.8 3.07					
26		9.10 0 0 9.1			9.1 3.04					
27		9.70 0 0 9.1			9.1 3.08					
28		10.00 0 0 10.0			10.0 3.21					
29		ws.	ws.							

All images large + not comparable with scale.

11:30

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1917phae.proj.10790

Tuesday March 27, 1917.

Copied 27: 12

Scale m. B Series 306. Alt Corr +09

10:20 B 48285 D2-

	sc.1	sc.2		Cu.	Magn	Diffr. Inn. g	h	Cu		T.C. sc.2		
1	4.6 (4.8)			2.74	7.54	g	7.1	0.39	7.49	8.8	-1.57	7.23
2	5.1 (5.3)			2.81	8.11	g	7.5	0.36	7.86	9.2	-1.36	7.84
3	g			.	.	g	too	.	.	8.1?	-1.61	7.09?
4	5.2 (5.4)			2.83	8.23	7.8		0.33	8.13	9.2	-1.36	7.84
5	g			.	.	g	low	.	.	9.4	-1.26	8.14
6	g (5.9)			.	.	g		.	.	9.7	-1.08	8.62
7	5.1	5.8	5.85 1 0	2.91	8.76	g		.	.	9.5	-1.20	8.30
8	5.4? (5.6)	5.6	5.60 0 0	2.87	8.47?	g	g	.	.	9.8	-1.00	8.80
9	g	g		.	.	g		.	.	ms.	.	.
10	g	g		.	.	g		.	.			
11	6.2 (6.4)	6.5	6.45 0 1	3.01	9.46	9.1	9.3 (9.20 1 1)	0.12	9.32			
12	6.4 (6.6)	6.7	6.65 0 1	3.04	9.69	9.2	9.3 (9.25 0 1)	0.08	9.33			
13	6.6 (6.8)	6.9	6.75 0 1	3.06	9.81	9.7	g	0.01	9.71			
14	6.9 (7.1)	7.1	7.10 0 0	3.14	10.24	9.8	g	-0.02	9.78			
15		7.6		3.24	10.84	ms.	ms.	.	.			
16		7.6		3.24	10.84							
17		7.8		3.27	11.07							
17a		8.1		3.33	11.43							
18		7.9		3.29	11.19							
19		8.1		3.33	11.43							
20		8.4		3.40	11.80							
21		8.1		3.49	12.19							
22		9.1 (9.00 1 1)	8.9 (9.15 1 0)	3.59	12.59							
23		9.1	9.2 (9.25 0 1)	3.65	12.80							
24		9.2	9.3 (9.65 1 0)	3.68	12.93							
25		9.7	9.6 (9.85 1 0)	3.80	13.45							
26		9.9	9.8	3.90	13.75							

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1917phae.proj.10790

Tuesday March 27, 1917.

Scale M. B Series 306.

B 48 785 D2 cont.

	sc.2	sc.2
27	f.	f.
28	ws.	
29		
30		
31		

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Tuesday March 27, 1917.

Scale m. B Series 306.

* B 48286 C 2.

	sc.1	sc.2	Diff'l mm. g	Diff'l mm. h	P.C. sc 2
1					8.6 b
2				—	8.6 b
3					
4					
6					
7					
10					
11					
12					
14					
16					
17					
18					
19					
21					
22					
23					
25					
26					
27					

* Omit. Duality changed to B by Miss Leavitt. Plate is very poor.

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1917phae.proj.10790

Tuesday March 27, 1917. Cofnid 34:81

Scale m. B Series 306. Alt Corr -05

B 48287 189 K. 3 24-60.

	sc.1	sc.2		Cu.		g	h			P.C. sc.2
	6.1					sc.2				
1	5.9	5.9	6.00 1 1	2.94	8.94	g 8.6		0.23	8.83	7.
2	6.3 6.1	6.2	6.25 1 0	2.99	9.24	g 9.40	g 00	.	.	
3	6.3 6.1	6.3	6.30 00	3.00	9.30	9.4	9.4	0.08	9.48	
4	7.0 6.8	6.9	6.95 0 1	3.11	10.06	9.8	f	-0.02	9.78	
5		7.4		3.20	10.60	ns	ns.	.	.	
6		7.8		3.27	11.07					
7		7.9		3.29	11.19					
8		8.1		3.33	11.43					
9		8.1		3.33	11.43					
10		8.5		3.43	11.93					
11		8.6	8.60 00 8.6	3.45	12.05					
12		8.8	8.80 00 8.8	3.51	12.31					
13		9.3	9.20 1 1 9.1	3.66	12.86					
14		9.6	9.60 0 0 9.6	3.80	13.40					
15		9.7	9.70 00 9.7	3.84	13.54					

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1917phae.proj.10790

Tuesday March 27, 1917.

Cofrid 34:59

Scale m. B Series 306. Alt Con +04

B 48 288 164 K 3 38-45

	sc.1	sc.2	Cu.		sc.2	sc.2			P.C.
	6.3				9.15 1 0				sc.2.
1	6.1	6.5 6.40 L 1	3.01	9.41	9.1	9.2	0.13	9.28	ns.
2	7.1 6.9	7.1 7.10 0 0	3.14	10.24	9.80 0 0 9.8	9.8	-0.02	9.88	
3		7.3	3.19	10.49	7	10.0	-0.06	9.94	
4		8.0	3.31	11.31	ns	ns			
5		8.1	3.33	11.43					
6		8.1	3.33	11.43					
7		8.							
8		8.7 8.75 0 L	340	11.80					
9		8.8 8.70 0 0	8.1 350	12.25					
10		8.7 9.15 L 0	8.1 349	12.19					
11		9.1 9.45 1 0	9.2 365	1280					
12		9.5 9.55 0 L	9.4 373	13.18					
13		9.6	9.5 378	13.33					
14		10.0	9.6 399	13.99					
15									

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1917phae.proj.10790

Tuesday March 27, 1917.

Cofuid 34:60

Scale m

B Series 306 - Alt Com +04

B 48 291 168 K. 4 39-45°

	Sc.1	Sc.2	Sc.3	Cu		Diff Im Bg	g h			Bc. Sc. =		
1	4.6 (4.8)	4.8	4.80	0 0	2.74	7.54	g	g	.	.	9.8? - 100	8.80?
2	5.6 (5.8)	5.7	5.75	0 1	2.90	8.65	g	8.6	0.22	8.82	ws.	.
3	5.1 (5.9)	6.1	6.00	1 1	2.94	8.94	g	g	.	.		
4	6.5 (6.7)	6.6	6.65	1 0	3.05	9.70	9.8	9.7	0.00	9.75		
5		7.2			3.17	10.37	1	1.	.	.		
6		7.6			3.23	10.83						
7		7.7			3.25	10.95						
8		8.1			3.33	11.43						
9		8.2			3.35	11.55						
10		8.1 (8.85)		0 1	3.49	12.19						
11		8.8 (9.10)	8.9	0 0	3.52	12.37						
12		9.1 (9.35)	9.1	0 1	3.62	12.72						
13		9.4 (9.75)	9.3	1 0	3.71	13.06						
14		9.1 (9.95)	9.8	1 0	3.85	13.60						
15		9.9	10.0		3.96	13.91						

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1917phae.proj.10790

7

Tuesday March 2[illegible], 1914. Shutter 67

Scale m. B Series 306.

B 48 292 Cz.

	sc1	sc2		
1	f		.	
2	4.9 f		.	
3	4.7		2.74	
4	5.8 5.6	5.1	5.75	0 1 2.45
6	f	f	.	
7	5.8 5.6	5.1	5.75	0 1 3.31
10	6.1 5.9	6.2	6.15	1 0 3.24
11	f	f	.	
12	f	f	.	
12a	f	7.4		3.01
14		7.6		3.19
16		7.8		3.38
17		8.1		3.33
19		8.4		3.43
21		8.8		3.54
22		9.10 0 0 9.1	9.1	3.40
23		9.25 1 0 9.3	9.2	3.54
25		9.50 0 0 9.5	9.5	3.60
26		9.70 0 0 9.7	9.7	3.97
27		10.00 0 0 10.0	10.0	3.91
	7.0			
9a	6.8			
9c	5.8 5.6			

g sc2	h sc2		B.C. sc2
f	f	.	8.6 — 1.66
f	6.9? f	0.34	8.8 — 1.56
f	f	.	9.1 — 1.46
f	f	.	9.3 — 1.10
f	f	.	9.8 — 1.13
f	f	.	9.9 — 0.84
9.1 9.80	f 0 0	— 0.25	ws .
9.8 10.00	9.8 0 0	— 0.06	
10.0	10.0	— 0.04	

All diffr Lines from.

11:55

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1917phae.proj.10730

Slit 67

Monday April 9, 1917.

Scale m

10 20

B 48257 C11-

B Series 304-

	sc.1	sc.2			g	h		Bc.
					sc.2			sc.2
1	B		.		66?	g	0.21	86 – 1.79
2	B		.		g	7.1	– 0.02	8.8 – 1.72
3	B		.		g	g	.	9.2 – 1.53
4	4.9 4.1		3.01		7.9	g	0.01	9.3 – 1.39
5	5.5 5.3	5.5	5.50 0 0	2.80	g	8.2	0.10	9.1 – 1.40
6	5.6 5.3	5.6	5.55 1.0	2.91	8.2	g	0.26	9.8 – 1.34
7	5.9 5.7	6.1	6.00 1.1	2.83	g	8.8	0.03	ms .
8	6.0 5.8	6.3	6.15 2 1	2.88	g	g	.	
10	6.5 6.3	6.6	6.55 1.0	2.90	9.55 1.0 9.5	9.6	– 0.10	
12	7.0 6.8	7.3	7.15 2 1	2.70	9.75 1.0 8 9.1	9.8	0.10	
14		7.3		2.67	‡	‡	.	
15		7.4		3.00				
16		7.7		3.00				
17		8.0		3.02				
17a		8.1		–				
20		8.3		3.09				
23		8.8		3.06				
24		9.15 1.0 9.1	9.2	3.25				
25		9.35 1.0 9.3	9.4	3.22				
26		9.85 0 1 9.8	9.9	3.05				
27		9.75 1.0 9.1	9.8	3.39				
28		10.1 0 0 10.1	10.1?	3.29				
29		‡	‡	.				
30		ms.		.				

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Monday April 9. 1917.

Scale m. B series 304 Alt Corr +08

B 48258 Eros 20 35 - 20.

	sc 1	sc 7		Cu			sc 7 q	sc 7 h				P.C. sc 7		
	5.2						8.55 1.0							
1	5.50	9		2.79	2.99	8.19	8.5	8.6	0.23	0.06	8.61	9.7	-1.09	-1.34 8.36
2	5.58	5.8	5.80 0 0	2.90	3.00	8.80	8.80 0 0 8.8	8.8	0.20	0.06	8.86	9.9	-0.95	-1.27 8.63
3	6.3 6.1	6.3	6.30 0 0	3.00	3.02	9.32	9.30 0 0 9.3	9.3	0.11	0.05	9.35	ms.	,	, ,
4	6.3 6.1	6.5	6.40 1.0	3.01	3.03	9.43	9.30 0 0 9.3	9.3	0.11	0.05	9.35			
5	6.6 6.3	6.8	6.65 1.2	3.05	3.03	9.68	9.75 1.0 9.7	9.8	0.00	0.06	9.81			
6	7.1 6.9	7.2	7.15 1.0	3.16	3.04	10.19	10.00 0 0 10.0	10.0	-0.06	0.06	10.06			
7		7.6		3.24	3.06	10.66	ms.	ms.	,		,			
8		8.0		3.31	3.10	11.10								
9		8.54		3.40	3.13	11.53								
10		8.3		3.38	3.12	11.42								
11		8.6		3.45	3.14	11.74								
12		8.8		3.51	3.15	11.95								
13		8.9		3.54	3.16	12.06								
14		9.20 0 0 9.21	9.2	3.66	3.20	12.40								
15		9.30 0 0 9.3	9.3	3.69	3.21	12.51								
16		9.80 0 0 9.8	9.8	3.88	3.31	13.11								
17		9.80 0 0 9.8	9.8	3.88	3.31	13.11								
18		10.00 0 0 10.0	10.0	3.99	3.35	13.35								

10 slightly higher than 9. No errors of meas.

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1917phae.proj.10790

Monday April 9, 1917. Copied B 35; 170

Scale m. B Series 304. Alt Cor 0.0

B48259 Carte 21 00 – 515

	sc.1	sc.2		Cu		g	h			sc.2		
1	B			.		q	q	.		1.9	.	.
2	B.			.		q	q	.		9.0	-1.63	7.37
3	44 4.2			2.97	7.37	q	q	.		9.1	-1.59	7.51
4	6.0 5.8	6.1	605 01	3.01	9.06	q	q	.		ns	.	.
5	6.4 6.2	6.5	645 01	3.02	9.47	9.8	q	0.06	9.86			
6	6.7 6.5	6.7	670 00	3.03	9.73	†	†		.			
7		7.3		3.04	10.34							
8		7.7		3.07	10.77							
9		8.2		3.11	11.31							
9		8.7		3.15	11.85							
10		8.8	8.75 04 8.7	3.16	11.91							
			915 01									
11		9.2	9.1	3.19	12.34							
			925 10									
12		9.3	9.2	3.20	12.45							
			975 01									
13		9.8	9.1	3.30	13.05							
			995 01									
14		10.0	9.9	3.35	13.30							
15		†			.							

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1917phae.proj.10790

Monday April 9, 1917

Copied 35: 122

Scale m.

B Series 304

Alt Corr +06

B 4825 b o Carte 21 – 315

	sc.1	sc.2		Cw.		g	h			P.C	sc.2	
1	46 4.4			2.98	7.58	g	g	.	.		8.9 – 1.68	7.22
2	9			.	.	9	9	.	.		9.3 – 1.50	7.80
3	55 5.3	5.6	5.55 1 0	3.00	8.55	8.4	8.3	0.06	8.41		10.0 – 1.24	8.76
4	60 5.8	6.2	6.10 1	3.01	9.11	g	g	.	.			
5	68 6.6	6.9	6.85 0	3.04	9.89	f	f	.				
6		7.5		3.05	10.55							
7		7.5		3.05	10.55							
8		7.8		3.08	10.88							
9		8.1		3.10	11.20							
10		8.2	8.65 0 1	3.11	11.31							
11		8.6	8.1 8.85 1 0	3.14	11.79							
12		8.9	8.8 9.35 0 1	3.16	12.01							
13		9.4	9.3 9.30 0 0	3.22	12.57							
14		9.3	9.8 9.85 1 0	3.20	12.50							
15		9.9	9.6	3.36	13.17							

R There is some mistake here, as Star 14 is much fainter than 13, on this plate. Reject.

H.S.L. Oct. 16, 1920.

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1917phae.proj.10790

Monday April 9. 1917. Copied 27:84

Scale m. B Series 304. Alt Corr +08

B 48 264 D 11 - 21 - 15

	sc 1	sc 2			g sc 2	h sc 2			P.C. sc 2		
1	.		.		g	g	.		8.8	- 1.71	7.09
2	.		.		g	g	.		9.1	- 1.59	7.51
3	g		.		g	g	.		9.1	- 159	7.51
4	g.		.		g	g	.		9.1	- 159	7.51
5	4.4 (4.6)		2.98	7.58	g	1.6	0.10	7.70	9.1	- 1.59	7.51
6	g		.	.	g	g	.	.	9.4	- 1.46	7.94
7	4.1 (4.9)		2.98	7.88	g	g	7.1	0.09	7.79	9.4 - 1.46	7.94
8	g		.	.	7.6	g		0.10	7.70	9.3 - 1.50	7.80
9	4.8 (5.0)	5.3	5.15 2 1	2.99	8.14	8.1	g	0.08	8.18	9.6 - 1.39	8.21
10	.	g		.	.	8.2	g	0.08	8.28	9.8 - 1.30	8.50
11	5.4 (5.6)	5.1	5.65 0 1	3.00	8.65	8.5 8.55 1 0	8.6	0.06	8.61		
12	5.5 (5.7)	5.8	5.75 1 0	3.00	8.75	8.5 9.10 0 0	g	0.06	8.56		
13	5.8 (6.0)	6.2	6.10 1 1	3.01	9.11	9.1 9.40 0 0	9.1	0.06	9.16		
14	6.2 (6.4)	6.5	6.45 0 1	3.03	9.48	9.4 9.80 0 9	9.4	0.05	9.45		
15	6.3 (6.5)	6.8	6.65 1 2	3.03	9.68	9.8 9.90 1 1	9.8	0.06	9.86		
16	6.6 (6.8)	6.9	6.85 0 1	3.03	9.88	9.8	10.0	0.06	9.96		
17	6.6 (6.8)	6.9	6.85 0 1	3.03	9.88						
18	6.7 (6.9)	7.2	7.05 1 2	3.04	10.09						
19	6.8 (7.0)	7.3	7.20 2 1 2 1	3.04	10.24						
20		7.4		3.05	10.45						
21		7.5		3.05	10.55						
22		7.6		3.06	10.66						
23		7.7		3.07	10.77						
24		7.7		3.07	10.77						
25		7.9		3.09	10.99						
26		8.0		3.10	11.10						

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Monday April 9. 1917

Scale m.

B series 304

D11 – cont

B48261.

	scr		Cu	
27	8.4		313	11.53
28	86		314	11.74
	8.65	01		
29	8.6	8.1	315	11.80
	9.05	01		
30	9.0	9.1	318	12.23
	9.40	00		
31	9.4	9.4	324	12.64
	9.35	01		
32	9.4	9.3	322	12.57
	9.35	01		
33	9.4	9.3	322	12.57
	9.70	00		
34	9.1	9.1	329	12.99
	9.85	01		
35	9.8	9.9	332	13.17
36	9	7.		

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Sheet 67

Monday April 9. 1917

Salem

B series 304-

B 48362 C11- 21 + 15°

	sc.1	sc.2			Diff. Inv. sc.2	sc.2	O.C. sc.2
1	B.				✗	✗	8.1 – 1.89
2	44 47			3.68	q	t_{57}	8.8 – 1.72
3	q				q		9.0 – 1.33
4	q				1.6	031	9.4 – 1.49
5	51 4.9	5.2	5.15	L0 3.15	q	h_{57}	9.7 – 1.40
6	54 5.2	5.4	5.40	00 3.06	q		9.7 – 1.24
7	59 5.1	5.6	5.75	12 3.08	q		∴ .
8	5.9 5.1	5.1	5.80	1 L 3.23	q		
10	6.1 5.9	6.4	6.25	L2 3.20	9.4	0.05	
12	67 6.5	6.8	6.75	L0 3.10	9.9	–.005	
14	7.1 6.9	7.1	7.80	00 2.87	no	.	
15		7.2		3.20			
16		7.8		2.90			
17		7.9		3.12			
17a		8.0		.			
		8.10 00					
20		8.1	8.1	3.29			
		8.80 00					
23		8.8	8.8	3.06			
		9.20 00					
24		9.2	9.2	3.20			
		9.40 00					
25		9.4	9.4	3.17			
		9.70 00					
26		9.7	9.7	3.20			
		9.78 L0					
27		9.7	9.8	3.39			
28		∴	∴	.			

12.22

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Scale m. 9.70

B Series 304.

B 48257 C11-

		Rc 1	Rc 2		Diff 1m.			Rc. Rc 2
1	B			.	6.8	9	0.01	8.5 — 1.69
2	4.5 43			2.58	7.10 00	7.1	— 0.02	8.8 — 1.72
3	4.8 4.6			2.87	9	9	.	9.3 — 1.63
4	4.9 4.1	B.		3.01	7.9	9	0.01	9.4 — 1.49
5	9 5	5.6		2.70	9	8.1	0.20	9.8 — 1.50
6	5.6 5.4	5.6	5.60 00	2.86	8.20 00	8.2	0.26	? .
7	6.0 5.8	6.1	6.05 01	2.78	8.2 8.60 00	8.6	0.23	
8	6.1 5.9	6.2	6.15 10	2.88	8.6	86	0.43	
10	6.7 6.5	6.6	6.65 10	2.80	9.70 00	9.7	- 0.25	
12	7.0 6.8	7.1	7.05 01	2.80	9.1	?	- 0.05	
14		7.5		2.47	9.9			
15		7.5		2.90				
16		7.8		2.90				
176 17		7.9		3.10				
20		7.9						
		8.2		3.19				
23		8.8		3.06				
24		9.1		3.30				
25		9.25 01						
		9.20	9.3	3.32				
26		9.80 00						
		9.8	9.8	3.10				
27		9.75 10						
		9.7	9.8	3.39				
28		?	?	.				
29		?		.				
30		ns.						

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Scale m.

B Series 304

Alt Corr — 14

B 482 ~~5.8~~ 6.3

Carte.

22 - 64.5

Diffr Inv.

P.C.

	sc.1	sc.2	sc.3	Cu.	Magn		sc.3	
1	q			.		all	9.0 — 1.65	7.35
2	q 5.3			2.82	8.12	diffr.	9.4 — 1.52	7.88
3	~~4.9~~ 5.1	5.5	5.40	1 1 2.83	8.23	bad	7	.
4	5.7 5.5	5.9	5.80	1 1 2.84	8.64	poor.	ns	.
5	q	q		.	.			
6	q	q		.	.			
7		7.2		2.96	10.16			
8		8.1		3.04	11.14			
9		8.1		3.04	11.14			
10		8.1		3.14	11.84			
11		9.15 9.1	9.2	1 0 3.22	12.37			
12		9.45 9.5	9.4	1 0 3.29	12.74			
13		9.90 10.0	9.8	1 1 3.39	13.29			
14		f	f	,	.			
15		ns	ns	,	.			

All images very poor.

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Salem. B Series 304. Alt Corr – 10

B 48264 ~~Carte~~ DM 22 10-62.5

Diff Im. G.C.

	pc.1	pc.2	Cu.	Magn.	g	h			pc.2
1	B.		.		g	.			8.8 – 1.71 7.09
2	g		.		g	.			8.8 – 1.71 7.09
3	g	g	.		g	.			9.8 – 1.39 8.41
4	5.7 5.5	5.6	565	10 2.84	8.49	9.10 00 9.1	9.1	0.20 9.30	ws . .
5	6.5 6.6	6.9	685	01 2.91	9.76	ns. .		.	
6		7.5		2.98	10.48				
7		7.5		2.98	10.48				
8		7.9		3.01	10.91				
9		8.1		3.04	11.14				
10		8.6		3.11	11.71				
11		8.6		3.11	11.71				
12		9.15 10 9.1 9.2 9.45 10		3.22	12.37				
13		9.5	9.4	3.29	12.74				
14		g	9.4	3.28	12.68				
15		g	g.	.	.				

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Scale m. B Series 304. Alt Corr +06

B 48265 ~~Cluster~~ DM 22 10 - 3 2 5

	pc. 1	sc 2				Diffr Dm. sc 2	sc 2			Pc. sc 2		
	47											
1	4.5	5.0	4.86	± 2	2.81	7.66	7.1	7.9	0.11	7.81	9.3 – 1.56	7.74
	58											
2	5.6	5.7	5.75	0	± 2.84	8.59	7.9	8.8	0.17	8.97	7. .	
	6.0						9.10	00				
3	5.8	5.9	5.95	0	± 2.86	8.81	9.1	9.1	0.20	9.30		
	67						9.95	0				
4	6.5	6.9	6.80	±	1 2.91	9.71	10.0	9.7	0.27	10.22		
	70											
5	6.8	7.1	7.05	0	1 2.94	9.99	9.	9.	.	.		
6		7.3			2.98	10.28						
7		7.8			3.00	10.80						
8		8.3			3.07	11.37						
9		8.3			3.07	11.37						
10		8.1			3.14	11.84						
		8.80	00									
11		8.8	8.8		3.16	11.96						
		9.35	0	±								
12		9.4	9.3		3.26	12.61						
		9.45	0	1								
13		9.4	9.5		3.29	12.74						
		9.80	00									
14		9.8	9.8		3.37	13.17						
		10.00	00									
15		10.0	10.0		3.41	13.41						

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Cofnid 34:91

Scale m.

B series 304.

Alt Con -08

B 48267. 199K

	Sc.1	Sc.2	Sc.3	Cu.		g Sc.2	h Sc.2			Re. Sc.2		
	4.9											
1	4.7	5.1	5.00	± 1	2.82	7.82	7	7	.	9.4	− 1.52	7.88
	5.8											
2	5.6	5.6	5.70	± 1	2.84	8.54	8	8	.	9.9?	− 1.35	8.55?
	6.0											
3	5.8	5.9	5.95	0 ±	2.86	8.81	9.1	9				
							.945	01				
	6.3											
4	6.1	6.5	6.40	± 1	2.88	9.28	9.4	9.5	0.22	9.67		
5		7.1			2.94	10.04	7	7	.	.		
6		7.7			2.99	10.69						
7		7.8			3.00	10.80						
8		7.9			3.01	10.91						
9		8.1			3.04	11.14						
10		8.1			3.04	11.14						
10a		8.4			3.09	11.49						
11		8.1	.865	10	3.12	11.77						
			8.6									
			.905	01								
12		9.0	9.1		3.20	12.25						
			.895	01								
13		9.0	8.9		3.18	12.13						
			.915	± 0								
14		9.1	9.21		3.23	12.38						
			.985	10								
15		9.9	9.8		3.38	13.23						

Remeas. Aps, 18 · 7

7.8

8.2

8.2

8.6

Mirror in prev. meas.

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Sheet 68

Scale m.

B series 304-

B 48 262 C11-

	pc.1	pc.2	pc.2		g pc.2	h pc.2		P.C pc.2
1	B.		.		6.1	g	0.11	8.7 – 1.89
2	45 4.3		2.58		g	g	.	8.9 – 1.82
3	g		.		g	g	.	9.2 – 1.53
4	g		.		1.8	g	0.11	9.4 – 1.49
5	54 5.2	5.5	5.45 0 1	2.85	g	g	.	9.7 – 1.40
6	54 5.2	5.6	5.50 1 1	2.96	8.1	8.10 00 8.1	0.36	9.9 – 124
7	6.0 5.8	5.8	5.90 1 1	2.93	8.6	8.65 8.1	0.18	∓. .
8	5.9 5.7	6.1	6.00 1 1	3.03	g	88	0.23	
10	6.3 6.1	6.4	6.35 1 0	3.10	9.4	g	0.05	
12	6.9 6.7	6.9	6.90 0 0	2.95	10.0	∓.	– 0.15	
14		7.3		2.67				
15		7.4		3.00				
16		7.9		2.80				
17		8.1		2.92				
17b		8.0		.				
19		8.1		3.22				
20		8.1		3.29				
23		8.8		3.06				
24		9.20 1 1 9.3	9.1	3.20				
25		9.50 0 0 9.5	9.5	3.07				
26		9.65 0 1 9.3	9.1	3.25				
27		9.70 0 0 9.7	9.7	3.44				
28		∓.	∓.	.				
29		∓.	∓.	.				

10 45

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Scale m.
9 25

B Series 329.

B 48525 C 2.

	sc.1	sc.2			Diff. lm. f h		sc.2
1	8.3			.	q q	.	8.6 — 1.66
2	4.5			2.54	q 7.2	0.04	8.1 — 1.46
3	8.	q		.	q 7.7	— 0.06	9.4 — 1.76
4	5.3	5.1	560	1 2.60	8.4 q	— 0.20	9.8 — 160
6	5.4	5.9	575	2 1 2.95	8.1 q	— 0.03	f. .
7	6.1	6.1	620	1 2.86	q 9.70 9.1 0 0	— 0.04	
10	6.4	6.5	655	0 2.80	9.1 9.1	— 0.35	
11	6.5	6.8	675	0 2.99	10.0 f.	— 0.26	
12	6.9	7.21	7.15	0 2.81	ms ms	.	
14		7.1		3.09			
16		8.0		3.18			
17		8.3		3.13			
19		8.1		3.13			
		9.18	0				
21		9.1	9.2	3.19			
		9.40	0 0				
22		9.4	9.4	3.10			
		9.70	0 0				
23		9.1	9.1	3.09			
		9.80	0 0				
25		9.8	9.8	3.30			
26		f.	f.	.			
27		f.	f.	.			
28							
29							
30							

All bright stars have trails, making measurement difficult.

PP

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Salem. B series 329. Alt Corr + 08

B 48 526 118 K 2h 16m

	sc1	sc2		Cu.		g sc2	h sc2		P.C. sc2		
1	g			.	.	7.6 (7.60 00)	7.6 g	− 0.00 (4)	7.5 (6)	9.1 − 1.58	7.52
2	g	B.		.	.	7.7	g	− 0.00	7.6	9.1 − 1.58	7.52
3	(5.1) 4.9	5.0	5.05	1 0	3.26	8.31	8.1	g	− 0.08	8.02	n.s. . .
4	(5.8) 5.6	5.6	5.70	1 1	3.25	8.95	8.8	g	− 0.16	8.64	
5	(6.0) 5.8	5.9	5.95	0 1	3.25	9.20	9.1	g	− 0.18	8.92	
6	(7.2) 7.0	7.0	7.10	1 1	3.25	10.35	n.s.	n.s.	.	.	
7		7.4			3.25	10.65					
8		7.4			3.25	10.65					
9		7.9			3.25	11.15					
10		8.4 (8.35 0 1)	8.3		3.25	11.60					
11		8.9 (8.90 00)	8.9		3.25	12.15					
12		9.4 (9.50 1 1)	9.6		3.26	12.76					
13		10.0 (10.00 00)	10.0		3.29	13.29					
14		n.s.	n.s.		.	.					
15											

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Scale m.

B Series 329.

Alt Corr +07

D 48577 R Tom. 2 25- 26.5

		sc.1	sc.2	sc.3				P.C. sc.2
a	B	.		.	.	diffr. 1m		9.7 – 1.58 7.62
b	B.	.		.	.	all		9.9 – 1.56 8.34
c	60 5.8	6.1	6.05	0	3.25	9.30	bds	m.s . .
d	69 6.1	6.9	6.90	0 0	3.24	10.14	poor.	
e		7.5			3.25	10.75		
f		7.6			3.26	10.86		
g		7.6			3.26	10.86		
g'		7.9			3.25	11.15		
h		8.6 8.68	8.7	0 1	3.25	11.90		
k		8.75 8.7	8.8	1 0	3.25	12.00		
k'		9.05 9.1	9.0	1 0	3.25	12.30		
l		9.45 9.5	9.4	1 0	3.26	12.71		
m		9.90 9.9	9.9	0 0	3.28	13.18		

Var. m.s.

Bright stars very poor.

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Scale m B Series 329. Alt Cor .00

B 48 528 R Hord 2 50 –

	sc 1	sc 2				q	h		P.C. sc 2		
a	B			.	.	q			1.5	.	.
b	B.			.	.	q			9.3	–1.58	7.72
a'	4.1			3.30	7.60	q	q		9.3	–1.58	7.72
c	4.6	q		3.27	8.07	q			9.5	–1.58	7.92
c'	5.3	5.4	5.45 1 0	3.25	8.70	8.84	q	–0.11	8.29	10.0	–1.56	8.44
e	5.4	5.6	5.60 0 0	3.25	8.85	9.1		–0.18	8.92			
d	5.5	5.6	5.65 1 0	3.25	8.90	q		,	,			
d'	6.6	6.8	6.80 0 0	3.24	10.04	q		,	,			
f	6.8	6.8	6.90 1 1	3.25	10.15	ms		,	,			
g		7.3		3.25	10.55							
h		7.6	7.75 0 1	3.25	10.85							
h'		7.8	8.20 0 0	3.25	11.00							
h²		8.2	8.2 8.50 1 1	3.25	11.45							
k		8.4	8.6 9.10 0 0	3.25	11.75							
l		9.1	9.1 9.75 1 0	3.25	12.35							
m		9.1	9.8	3.26	13.01							
n		f.	f.	.	.							
Var.		9.3		3.26	12.56							

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Thursday April 12, 1917.

Shutter

Saturn.

B Series 329.

B 48 530 Cz.

	Scale 1	Scale 2			Diff Inn.	Dc.
					q	Scale 2
1	q		.		q	8.6 – 1.66
2	q		.		q	8.8 – 1.56
3	q		.		q	9.1 – 1.46
4	q		.		q	9.1 – 1.50
6	q		.		q	4. .
	5.3					
7	5.1	5.5	5.40	1 1 3.66	q	
	5.8					
10	5.6	5.9	5.85	0 1 3.50	q	
11	q	q		.	10.1 ~~eq~~ – 0.36	
	6.3					
12	6.1	6.3	6.30	0 0 3.66		
14		7.3		3.49	Diff. Inn.	
16		7.1		3.48	on this	
17		7.9		3.53	plate very poor.	
19		8.5		3.33		
		9.10	0 0			
21		9.1	9.1	3.24		
		9.25	1 0			
22		9.3	9.2	3.25		
		9.55	1 0			
23		9.5	9.6	3.24		
		9.70	0 0			
25		9.9	9.7	3.40		
26		4.	4.			
27						

This plate much poorer than the preceding C plate.

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1917phae.proj.10790

Thursday April 12, 1917. Copied 27: 12

Scale m. B Series 329. Alt Corr +07

B 48531 D2-

	sc 1	sc 2			q h sc 2			O.C. sc 2		
1					q			8.9	− 1.58	7.32
2	.		.		q			9.2	− 1.57	7.63
3	.		.		q			9.18	− 1.58	7.52
4	.		.		q	all		9.4	− 1.58	7.82
5	q		.		q			9.1	− 1.57	8.13
6	q		.		q	hor		10.1	− 1.56	8.54
7	5.5 5.3		3.25	8.75	8.1	− 0.14	8.56	↓	.	.
8	q		.	.	q	.	.			
9	q		.	.	q	.	.			
10	q	q	.	.	q	.	.			
11	6.0 5.8	q	3.24	9.24	9.8	− 0.28	9.52			
12	6.3 6.1	6.2 6.25 1 0	3.25	9.50	10.0	− 0.29	9.71			
13	q	6.2	3.25	9.45						
14	q	6.9	3.25	10.15						
15		7.4	3.25	10.65						
16		7.7	3.25	10.95						
17		7.8	3.25	11.05						
18		7.9 q	3.25	11.15						
19		q	.	.						
20		8.4 9.00 L 1	3.25	11.65						
21		8.9 9.1 9.20 L 1	3.25	12.25						
22		9.1 9.3 9.40 0 0	3.26	12.46						
23		9.4 9.4 9.45 1 0	3.26	12.66						
24		9.35 9.4 9.80 0 0	3.26	12.71						
25		9.8 9.8 10.00 0 0	3.28	13.08						
26		10.0 10.0	3.29	13.29						

All images on this plate are vertical from.

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Thursday April 12, 1917.

Scalem. B Series 329

B 48531 D2.

sc 2
37 N.S.
38 N.S.
39

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Thursday April 12, 1917.

Copied 34; 35

Scale M. B series 329. Alt Cor +06

B 4853 2 143 K. 3 00

	sc.1	sc.2	Cu.	g h	P.C.
	6.6			sc.2 9.86 01	sc.2
1	6.4 7.0	6.6	6.660 0 0 3.24	9.84 98 99 −0.28 9.57	n.s.
2	6.8	6.9	6.95 0 1 3.25	10.20 n.s. n.s.	
3		7.4	3.25	10.65	
4		7.4	3.25	10.65	
5		8	,	,	
6		7.7	3.25	10.95	
7		8.1	3.25	11.35	
8		8.1	3.25	11.35	
9		8.2	3.25	11.45	
10		86 8.75 0 1	3.25	11.85	
11		8.8 8.7 9.10 00	3.25	12.00	
12		9.1 9.1 9.45 01	3.25	12.35	
13		9.4 9.5 9.55 1 0	3.26	12.71	
14		9.5 9.6 10.05 01	3.26	12.81	
15		10.0 10.1	3.29	13.34	

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Thursday April 12, 1917

Copied 34; 11

Salem.

B Series 329.

Alt Corr +07

B 48 533 119 K 3h 11. -14.8

	sc1	sc2		Cu.		q	h			R.e. sc2
1	B- 5.5	5.38		3.325	8.55	q	q	.		9.9 - 1.56 8.34
2	5.3	5.1	5.60 1	3.325	8.85	8.8	q	-0.16	8.64	m.s. .
3	6.3 6.1	6.2	6.25 1 0	3.324	9.49	q	9.3	-0.21	9.09	.
4	q	q		.	.	9.4	q	-0.23	9.17	
5	q	q		.	.	7	7.	.	.	
6		7.5 3		3.325	10.55					
7		7.4		3.325	10.65					
8		7.90 0 0 1.9	1.9	3.325	11.15					
9		8.00 1 1 1.9	8.1	3.325	11.25					
10		8.5		3.325	11.75					
11		8.70 0 0 8.1	8.1	3.325	11.95					
12		9.25 0 1 9.2	9.3	3.326	12.51					
13		9.95 0 1 10.0	9.9	3.329	13.24					
14		m.s.	10.1	3.330	13.40					
15			m.s.	.	.					

Images very poor.

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Thursday April 12, 1917.

~~Obtained 34h 4L~~

Scale m. 4° B Series 329.

B 48535 Pleiades.

	sc 1	sc 2		g sc 1	g sc 2	h sc 1	h sc 2		P.C. sc 1		
1									4.8 4.6		
2									5.2 5.0		
3									5.3 5.1		
4									5.4 5.2		
5									5.9 5.7		
6									5.9 5.7		
7									6.4 6.2		
8									7.1 6.9		
9									7.0 6.8		
10									sc 2 7.4		
11									8.4	-.159	6.81
12				g	g				8.6	-.159	7.01
13				g 7.45 01	g	-.003			8.6	-.159	7.01
14				14	7.5	-.003	7.42		8.8	-.158	7.22
15	B			nearly Sup. 7.60 00	16	-.004	7.56		8.9	-.158	7.32
16	B			16	16	-.004	7.56		9.1	-.158	7.52
17	g			g 8.40 00	8.1	-.008	8.02		9.5	-.157	7.93
18	5.3 5.1	5.9	5.30 00	3.25	8.55	8.4	8.4	-.011	8.29	9.8	-.157	8.23
19	5.4 5.2	5.6	5.50 -1	3.25	8.75	8.6 8.60 00	8.6	-.014	8.46	10.1	-.156	8.54
20	5.7 5.5	5.1	5.70 00	3.25	8.95	g 8.50 11	8.1	-.013	8.55			
21	5.7 5.5	5.1	5.70 00	3.25	8.95	8.6	8.4	-.012	8.38			
22	5.7 5.5	6.1	5.90 -2	3.25	9.15	g 9.10 00	g	.	.			
23	6.0 5.8	5.9 6.1	6.05 01	3.24	9.29	9.1	9.1	-.019	8.91			
24	6.2 6.0	6.2	6.20 00	3.24	9.44	9.4 g	9.3	-.020	9.10			
25	6.8 6.6	6.6	6.70 -1	3.24	9.94	9.4 9.50 -1	9.6	-.024	9.26			
26	6.9 6.7	7.4	7.15 -2	3.25	10.40	9.8 9.80 00	9.8	-.028	9.52			

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Jesler.

B Series 329.

B48534

	NO?	Cu.	
77	7.4	3.25	10.65
78	7.8	3.25	11.05
79	7.9	3.25	11.15
29a	8.1	3.25	11.35
30	8.4	3.25	11.65
31	9.0	3.25	12.25
32	9.2	3.26	12.46
32a	9.6	3.27	12.87
33	9.7	3.27	12.97
34	10.0	3.29	13.29
35	7.	,	,
36	ms.	,	,

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Thursday April 12, 1917 Cofnid 34:26

Scale m. B series 329. Alb Con + 06

B 48535 * 144K 4 02-29.9

	sc.1	sc.2		Cu		q	h		PC.
									no2
	q	q				q	q		n.s.
	6.4					9.90	00		
2	6.2	6.5	6.45	01	3.24	9.69	99	99 – 0.28	9.62
	6.8								
3	6.6	6.8	6.80	00	3.24	10.04	ns	ns.	
	7.1								
4	6.9	7.1	7.10	00	3.25	10.35			
5	q	7.5			3.25	10.75			
6		7.7			3.25	10.95			
7		8.1			3.25	11.35			
8		8.3			3.25	11.55			
9		8.1			3.25	11.95			
10		9.2			3.26	12.46			
		9.00	±	1					
11		8.9		9.1	3.25	12.28			
		9.45		10					
12		9.5		9.4	3.26	12.71			
		9.75	±	0					
13		9.7		9.8	3.28	13.03			
		10.00		00					
14		10.0		10.0	3.29	13.29			
15				ns.					

* Very poor

12:35

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Saturday April 14, 1917.

Slide 69

Scale m.

B Series 188.

12 — B 47108 C11.

	sc.1	sc.2			Diffr. Inn. g	h		G.C. sc.2
1			.		g	6.1	0.71	8.3 — 1.49
2			.		g	7.2	−0.12	8.6 — 1.52
3			.		7.6	g	0.07	9.2 — 1.53
4			.		7.9	g	0.01	9.5 — 1.59
5	4.9 4.7		3.40		8.20 0 0 8.2	8.2	0.10	10.0 — 1.70
6	4.9 4.7	4.8	4.85	1 0 3.61	8.30 1 1 8.2	8.4	0.16	10.1 — 1.64
7	5.3 5.1	5.5	5.40	1 1 3.43	g	8.8	0.03	n.s. .
8	5.8 5.6	5.7	5.75	0 1 3.28	g	9.1	−0.07	
10	6.1 5.9	6.3	6.20	1 1 3.25	9.55 1 0 9.5	9.6	−0.10	
12	6.8 6.6	6.8	6.80	0 0 3.05	g	10.1	−0.25	
14	7.1 6.9	6.9	7.00	1 1 2.97	ns	ns	.	
15		7.5		2.90				
16		7.7		3.00				
17		8.1		2.92				
17a		8.2						
19		8.2		3.12				
20		8.2		3.19				
23		8.8 8.9		3.01				
24		9.15 1 0 9.1		3.25				
25		9.30 0 0 9.3		3.27				
26		9.70 0 0 9.7		3.20				
27		9.70 0 0 9.7		3.44				
28		↓	↓	.				

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Saturday April 14, 1917.

Cofuid 35:74

Scale m. B Series 188. Alt Cm +08

B 47109 Carte 21 −16.5

	sc.1	sc.2		Cw.		g h sc.2			P.C. sc.2	
1	5.4 5.2	5.4	540 00	3.46	8.86	g 8.8	−0.09	8.71	10.1 − 1.60	8.50
2	5.4 5.2	5.4	540 00	3.46	8.86	g 8.1 900 11	−0.08	8.62	10.1 − 1.60	8.50
3	5.8 5.6	5.1	575 01	3.38	9.13	9.1 8.9	−0.12	8.88	n.s.	.
4	6.5 6.3	6.1	660 11	3.46	9.76	9.7 965 10 9.6	−0.20	9.45		
5		7.3		3.01	10.31	† †	.	.		
6		7.9		3.06	10.90					
7		8.1	8.15 10 8.2	3.02	11.17					
8		8.8		3.13	11.93					
9		9.0		3.17	12.17					
10		9.0		3.17	12.17					
11		9.3		3.26	12.56					
12		9.5		3.31	12.81					
13		9.6	960 00 9.6	3.35	12.95					
14		9.7	970 00 9.7	3.38	13.08					
15		9.9	980 EA 9.9	3.41	13.21					
16		†	†	.	.					
17		n.s.	n.s.	.	.					

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Saturday April 14, 1917.

Cofried 35: 26

Scale m.

B series 188.

Alt Corr +06

B 47 110 Carte 21 – 2.5°

	sc.1	sc.2	sc.?	Cu.	g	h.	sc.?			P.C
	4.8		4.9							sc >
1	4.6	5.1	4.95	2 1	3.59	8.54	9 9 9.45 0 1			9.3? −1.56 7.74? Faules star near.
2	6.1 5.9	6.3	6.20	1 1	3.25	9.45	9.6 9.5 9.55 0 1	−0.19	9.26	ws.
3	6.4 6.2	6.3	6.35	0 1	3.22	9.57	9.6 9.5 9.75 0 1	−0.20	9.35	
4	6.6 6.4	6.5	6.55	0 1	3.18	9.73	9.8 9.7	−0.23	9.52	
5	6.9 6.7	6.8	6.85	1 0	3.10	9.95	7 7.	.	.	
6	7.1 6.9	7.2	7.15	1 0	3.04	10.19				
7		7.6 8.10 00			3.00	10.60				
8		8.1	8.1		3.01	11.11				
9		7.95 1 0 7.9	8.0		3.00	10.95				
10		8.5			3.06	11.56				
11		8.8			3.13	11.93				
12		8.7 8.90 00			3.10	11.80				
13		8.9	8.9		3.14	12.04				
14		9.05 1 0 9.1	9.0		3.19	12.24				
15		9.50 1 1 9.6	9.4		3.31	12.81				
16		9.95 1 0 9.9	10.0		3.46	13.41				
17		10.00 00 10.0	10.0		3.48	13.48				

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Saturday April 14, 1917.

Cofnid 35: 196

Salem.

B Series 188.

Alt Com +

B 4711 ½ Carte 22 – 64.5

	sc 1	sc 2		Cu		g	h			Pc. sc 2	
1	4.7 4.0 B	B.		3.79	7.99	13	8	0.13	7.43	9.2 – 1.54 – 0.16	7.66 9.04
2	4.8 4.6	5.1	4.95 ± 1	3.59	8.54	8.65	8.6 1.0	,	,	9.4 – 1.56 – 0.18	7.84 4.22
3	5.7 5.5	5.6	5.65 1 0	3.40	9.05	8.1	8.6	–0.08	8.57	±	,
4	6.0 5.8	5.9	5.95 0 1	3.31	9.26	9.35 1.0 9.3	9.4	–0.18	9.17		
5	6.1 5.9	6.2	6.15 1 0	3.28	9.43	9.40 00 9.4	9.4	–0.19	9.21		
6	7.1 6.9	7.0	7.05 1 0	3.05	10.10	MS	MS	,	,		
7		7.5		3.00	10.50						
8		8.0		3.01	11.01						
9		8.4		3.05	11.45						
10		8.85 01 8.8	8.9	3.13	11.98						
11		9.05 01 9.0	9.1	3.19	12.24						
12		9.25 10 9.3	9.2	3.23	12.48						
13		9.80 00 9.8	9.8	3.41	13.21						
14		9.95 01 10.0	9.9	3.46	13.41						
15		10.2?	±	3.53	13.73?						

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Saturday April 14, 1917.

Copied 35:148

Salem.

B series 188.

Alt Com + 04

B 4711 2 Carte 32 - 40.5

	sc.1	sc.2				g sc.2	h sc.2				P.C. sc.2
1	B.					B	B.				7.6 – 1.00 -1.33 6.27
2	B.					7.7	7.6	– 0.66	0.09	7.74	9.1 – 2.11 -1.54 7.56
3	B.					8.6	9.	– 1.32	-0.06	8.54	9.8 – 2.52 -1.60 8.20
4	6.1 5.9	5.9	6.00	1	3.30 1.56	9.30	9.3	9.2 – 1.49	-0.18	9.07	ms. . .
5	7.0 6.8	7.1	7.05	0 1	3.06 0.79	10.11	1	1 .	.	.	
6		7.5			3.00 0.72	10.50					
7		7.7			3.00	10.70					
8		7.8			3.00	10.80					
9		8.1			3.01	11.11					
10		8.4			3.05	11.45					
11		8.7			3.10	11.80					
12		8.75 1 0 8.7			8.8 3.11	11.86					
13		9.05 0 1 9.0			9.1 3.19	12.24					
14		9.20 0 0 9.2			9.2 3.23	12.43					
15		9.40 0 0 9.4			9.4 3.29	12.69					
16		9.80 0 0 9.8			9.8 3.40	13.20					
17		1			1 .	.					

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1917phae.proj.10790

Saturday April 14. 1917.

Shutter 69

Scale m. B Series 188.

B 47113 C12.

	sc.1	sc.2			Diff. Im.			P.C. sc.2
					g	h		
					6.15	0 1		
1	B.		.		6.2	6.1	0.45	8.1 – 1.50
2	B.		.		g	g	.	8.3 – 1.31
3	g		.		g	7.1	0.18	8.9 – 1.62
4	g		.		g	7.7	0.14	9.2 – 1.64
					7.90	00		
5	g		.		7.9	7.9	–0.06	9.4 – 1.56
	4.3				8.35	1 0		
6	4.1		3.92		8.3	8.4	–0.13	9.7 – 1.48
8	g		.		g	g	.	9.7 – 1.10
	5.1				9.25	0 1		
9	4.9	5.3	5.20	1 1	9.2	9.3	–0.24	∫. .
	5.8				9.50	00		
11	5.6	5.9	5.85	0 1	9.5	9.5	–0.19	
	6.1							
12	5.9	6.1	6.10	00	10.0	∫.	–0.39	
	6.6							
14	6.4	6.8	6.70	1 1				
16		7.4		2.98				
17		7.7		2.95				
18		8.2		3.10				
		8.75	1 0					
20		8.7	8.8	3.15				
		9.10	00					
21		9.1	9.1	3.13				
		9.70	00					
23		9.1	9.7	3.31				
24		∫.	10.0	3.44				
26		∫	∫.	.				
27								

1 20

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Slit 69

Tuesday April 17, 1917.

Scale m.

B series 780.

12— B 48075 C12.

	sc.1	sc.2		Diff. Im. sc.1	sc.2		B.C. sc.2
1				5.6 5.4	q	1.00	7.6 — 1.00
2				6.1 5.9	q	0.89	7.8 — 0.81
3				6.4 6.2	q	0.88	8.3 — 1.02
4				6.9 6.7	q	0.66	8.7 — 1.14
5	q			sc.2 7.2	q	0.64	8.9 — 1.06
6	4.3 4.1		3.92	7.7	q	0.52	9.3 — 1.08
8	q			q	q		9.4 — 0.80
9	4.4 4.2	B.	#61	8.70 00 8.1	8.1	0.31	q
11	5.3 5.2 5.0 5.1	5.38 2.120 5.6 5.4	3.93	8.80 00 8.8	8.8	0.51	m.s.
12	5.7 5.5	5.1 570 00	3.91	9.30 00 9.3	9.3	0.31	
14	6.1 5.9	5.9 4.4 6.00 1.1	3.91	9.85 01 9.8	9.9	0.06	
16	6.5 6.3	6.4 646 10	3.93	m.s.	m.s.		
17		7.1	3.55				
18		7.2 8.30 00	4.10				
20		8.3 8.3 8.60 00	3.60				
21		8.6 8.6 9.25 10	3.63				
23		9.3 9.2 9.65 10	3.76				
24		9.7 9.6 9.80 00	3.79				
26		9.8 9.8	3.86				
27		1. 1.					
29							
30							

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1917phae.proj.10790

Tuesday April 17, 1917.

Cofnid 35:28

Scale m. B Series 380. Alt Com +16

B 48076 Carte 73 -7.5

	sc.1	sc.2			Diff. lm a	Diff. lm b		P.C
					9.745 10			pc.2
1	q	q	.		9.5	9.4	0.57 10.02	m.s
2	q	q	.		†	†	.	
v.f.n. 3	6.3 6.1	6.4	6.35 ±0	3.64	9.99 m.s	m.s.	.	
4		7.8		3.55	11.35			
5		8.2		3.63	11.83			
6		8.5	8.80 00	3.66	12.16			
7		8.8	8.8 8.85 01	3.74	12.54			
8		8.8	8.9 9.50 00	3.74	12.59			
9		9.5	9.5	3.95	13.45			
10		†	†	,	,			
11		m.s.	m.s.	,	,			
12								
13								
14								
15								

Images very poor.

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Scale m. B Series 780. Alt Con +66

B 480.77 163 K. 23 23 - 30.0

	sc.1	sc.2	Cu.	g	h			Pc. sc.2
	5.6			9.20	1.1			
1	5.4		3.77	9.37	9.3 9.1	0.55	9.75	n.s.
	6.5							
2	6.3		3.62	10.12	" "			n.s.
	7.1							
3	6.9	7.2 7.15 L O	3.84	10.69				
	7.1							
4	6.9	7.2 7.15 L O	3.84	10.69				
5		7.9	3.57	11.47				
6		8.1	3.60	11.70				
7		8.4	3.65	12.05				
8		8.5	3.66	12.16				
9		8.8	3.74	12.54				
10		8.9	3.76	12.66				
		9.15 L O						
11		9.1 9.2	3.83	12.98				
		9.40 O O						
12		9.4 9.4	3.90	13.30				
		9.46 O 1						
13		9.4 9.5	3.92	13.37				
		9.75 L O						
14		9.7 9.8	4.09	13.84				
15		" "	"	"				

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Scale m. B series 380. Alt Con + 01

R 48078 V Shaw. 23 27 - 46.5

		sc.1	sc.2			g	h	sc.2	P.C	sc.2	
a	B.					8.10 00 8.1	8.1	0.51	8.61	9.7 - 1.07	8.63
b	4.9 4.1			3.94	8.84	8.55 1 0 8.5	8.6	0.52	9.07	9.8 - 1.04	8.76
c	5.3 5.1	5.1	5.20 1 1	3.86	9.06	9	8.8	0.53	9.33	n.s.	
e	5.9 5.1	5.9	5.90 0 0	3.71	9.61	9.56 1 0 9.5	9.6	0.57	10.12		
d	5.9 5.1	5.8	5.85 1 0	3.72	9.57	9.85	9.5	0.57	10.07		
d'	6.6 6.4	6.6	6.60 0 0	3.61	9.91	9.8	9.9	0.60	10.45		
d^2		7.1		3.55	11.25	~~1~~	1.	.	.		
g		7.9		3.57	11.47						
f		8.10 00 ~~8.7~~	8.1	3.60	11.70						
f'		8.65 1 0 8.7	8.6	3.70	12.35						
h		9.10 0 0 9.1	9.1	3.81	12.91						
k		9.10 0 0 9.1	9.1	3.81	12.91						
m		9.80 0 0 9.8	9.8	4.10	13.90						
l		10.00 0 0 10.0	10.0	4.20	14.20						
Var.			8.1	3.60	11.70						

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Scale m

B Series 780.

Alt Con 00.

B 48079 R Phem. 23 51 – 50.4

		sc.1	sc.2	sc.3	Cw.		g sc.2	h			PC. sc.2	
a	B.				,		7.4	7.6	0.54	8.04	? why no P.C.?	
b	4.2 4.0				4.11	8.31	g	7.6	0.54	8.14	9.1 – 1.19	7.91
c	4.7 4.5	4.8	4.75	1 0	3.97	8.72	g	7.9	0.51	8.41	9.1 – 1.07	8.63
d	5.6 5.4	5.1	5.65	0 1	3.76	9.21	8.9	8.9	0.53	9.43	n.s.	,
f	6.1 5.9	6.2	6.15	1 0	3.67	9.82	9.6	9.1	0.58	10.23		
e	6.1 5.9	6.1	6.10	0 0	3.68	9.78	9.6	9.4	0.57	10.07		
g	6.5 6.3	6.8	6.65	1 2	3.60	10.25	1	10.0	,	,		
g'		7.6	7.1		3.54	11.19	ns	ns	,	,		
h		7.9	7.9		3.57	11.47						
k		8.2	8.3		3.62	11.87						
l		8.8	8.8		3.74	12.54						
m		10.0	10.0		4.20	14.20						
Var.		9.2			3.84	13.04						

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Tuesday April 17, 1917. Cofnid 45:195

Scale m. B Series 280. Alt Corr -.15

B 48080 R Asc. 23 52 - 65.9

	sc1					g sc2			h sc2		Pc. sc2	
L	B.					6.8	g	0.61	7.41	8.2	1.06	7.14
B	B					7.1	g	0.57	7.67	8.8	1.19	7.61
y	4.4 4.2	4.5	4.45	0 1	4.04	8.49	8.4 840	8.4 00	0.51	8.91	nearly sup?	
a	5.3 5.1	5.3	5.30	0 0	3.84	9.14	sup.	sup.	,	.	2.	.
f	6.3 6.1	6.3	6.30	0 0	3.64	9.94	9.6 9650 1	9.1	0.58	10.23		
c	6.9 6.7	7.0	6.95	1 0	3.57	10.52	ns.	ns.	,	.		
d		7.6			3.54	11.14	ns.		,	.		
a'		7.4			3.54	10.94	ns.	ns.	,	.		
e		7.7			3.55	11.25	ns.					
e'		8.1			3.61	11.71						
f		8.5			3.66	12.16						
g		8.5			3.66	12.16						
h		8.8			3.74	12.54						
k'		8.7			3.70	12.40						
k		8.9			3.77	12.67						
l'		9.1			3.81	12.91						
l		9.1	9.45	0 1	3.81	12.91						
l2		9.7 4	9.5		3.93	13.38						
m		9.7	9.65	1 0	4.01	13.66	9.6					
n		9.8	9.75	0 1	4.09	13.84	9.7					
l3		9.8	9.70	1 1	4.04	13.74	9.6					
o		9.7	9.70	0 0	4.04	13.74	9.7					
p		1.	1.			.						
q		ns	ns			.						

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Scalem.

B Series 780.

B 48081 C1

	pc.1	pc.2		g	h		P.C. pc.2
1	B.		.		6.6 6.5	0.63	8.5 – 1.32
2	B		.		6.6 g	0.79	8.6 – 1.21
3	B		.		g 6.8	0.70	8.7 – 1.20
4	B.		.		g g	.	9.2 – 1.24
5	4.1 3.9	B	4.23		g 7.9	0.43	9.5 – 1.17
7a	g	B. 3			8.70 00 9		9.9 – 1.04
9	5.0 4.8	5.5 5.15 2 1	4.13		8.1 8.7	0.58	10.1 – 0.82
11	5.7 5.1	5.6 5.75 1 2	3.94		9.25 01 9.2 9.3	0.44	
12	6.3 6.1	6.3 6.30 00	3.72		g 9.8	0.22	
13a	6.7 6.5	6.8 6.75 1 0	3.69		ms ms		
14	6.9 6.7	6.9 6.90 00	3.72				
15		7.5	3.54				
16		7.7 7.95 1 0	3.50				
17		7.9 8.0	3.55				
18		8.3 8.20 00	3.64				
18a		8.1 8.2 8.45 01					
19		8.4 8.5 9.10 00	3.76				
20		9.1 9.1 9.50 2 2	3.52				
21		9.3 9.7 10.10 00	3.39				
24		10.1 10.1	3.48				
25		1. 1.	.				

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Scale m B Series 280 Alt Corr +08

B 48082 116 K o 17-178

	Sc.1	Sc.2	Sc.2			g	h			Pc. Sc.2	
1	44 4.2	4.2	4.30 1 1	4.09	8.39	7.8	9 8.55 10 1	0.52	8.32	9.4 − 1.15	8.25
2	5.1 4.9	5.21	5.15 1 0	3.88	9.03	8.6	8.5	0.53	9.08	9.8 − 1.04	8.76
3	5.7 5.5	5.1	5.70 0 0	3.75	9.45	9.2 9.15	9.1 0 1	0.55	9.70	n.s.	
4	6.1 5.9	6.1	6.10 0 0	3.69	9.79	9.3 9.35	9.4 1.0	0.56	9.91		
5		7.5		3.54	11.04	n.s.	n.s.	,	,		
6		8.21		3.62	11.82						
7		8.8		3.74	12.54						
8		9.20 0 0 9.21	9.2	3.84	13.04						
9		9.60 1 1 9.7	9.5	3.99	13.59						
10		9.80 0 0 9.8	9.8	4.10	13.90						
11		∫	∫	,	,						
12		n.s.	n.s.	,	,						
13											
14											
15											

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Scale m. B Series 280. Alt Cou-24

B 48083 47 Inc. 0 20 -72.6

	sc.1	sc.2		Cu.	g	h sc.2	sc.7		PC. sc.7
	4.4					8.45 01			
α	4.2			4.06	8.46	8.4	8.5	0.51	8.96
β	5.4 5.2	5.6	5.50	1 1 3.80	9.30	9.2	9 9.10 00	0.56	9.76
γ	4.8 4.6	5.0	4.90	1 1 3.94	8.84	9.1	9.1	0.55	9.65
δ	5.3 5.1	5.5	5.40	1 1 3.81	9.21	9.5	9.5 9.50 00	0.57	10.07
~~a~~									
b		7.15 01 7.2		7.1 3.54	10.69	ms	ms.		
~~c~~									
d		9.6	9.60 00	9.6 4.00	13.60				
~~e~~			9.70 00						
f		9.7		9.7 4.04	13.74				
g		1		1					

C 12 } in this series
C 11 } and base of
deduced mags.

No faint stars seen. Ident of C.S. very difficult.

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Scale m. B Series 780. Alt Corr +07

B 4808 4 S Gal. Tole 0 40-78°

	sc.1	sc.2	sc.2			g sc.2	h sc.2			P.C. sc.2	
1	B.		.			8 7.8		0.52	8.32	9.1 _ 1.19	7.91
2	~~8~~ 5.7	8	.			8.8	8	0.53	9.33	8.	.
3	5.7	5.7	5.80	1	3.73	9.53	9.3 9.35	9.4	0.57	9.92	
4	8	8	.			.	8	8.	.	.	
5	6.2 6.4	6.5	6.46	01	3.62	10.07	ns	ns	.		
6		7.1	7.90	00	3.55	10.65					
7		7.9	7.9		3.57	11.47					
8		8.1	8.15	10	8.21	3.61	11.76				
9		8.9	8.85	09	8.8	3.75	12.60				
9a		9.2	9.15	04	1	3.82	12.97				
10		9.3	9.30	00	9.3	3.88	13.18				
11		10.0	9.95	01	9.9	4.18	14.13				
12		10.0	10.00	00	10.0	4.20	14.20				
13		ns	ns								
14											
15											

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Tuesday April 17, 1917.

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" 44: 30

Scale m. B Series 280. Alt Corr -28

B 48085 13 Ks } 0 49-736
Sm. Cld }

	13 Ks.	sc 1	sc 2		Cu		g	h			P.C. sc 2	
1	B.	B.			.		76	g	0.54	8.14	9.1 − 1.19	7.91
2	4.9 5.1	5.1	5.10	0 0	3.89	8.99	82 8.45 0 1	g	0.51	8.71	9.9 − 0.99	8.91
3	5.2 5.4	5.5	5.45	0 1	3.80	9.25	8.4	8.5	0.51	8.96	ns .	.
4	6.3 6.5	6.5	6.50	0 0	3.62	10.12	9.5 9.60 1 1	9.7	0.58	10.18		
5	6.6 6.8	6.6	6.70	1 1	3.60	10.30	9.7 9.85 1 2	10.0	0.60	10.45		
6	6.8 7.0	6.9	6.95	0 1	3.57	10.52	9.8 9.90 1 1	10.0	0.62	10.52		
7		7.2			3.55	10.75	ns	ns.	,	.		
8		7.2			3.55	10.75						
9		7.1			3.55	11.25						
10		7.9 8.46 0 1			3.58	11.48						
11		8.4	8.5		3.66	12.11						
12		8.8 8.80 0 0	8.8		3.74	12.54						
13		8.7 8.96 0 1	9.0	8.9	3.78	12.73						
14		9.1 9.10 0 0	9.1		3.81	12.91						
15		9.1 9.60 1 1	9.5		4.00	13.60						
	Seq. II Sm cld						sc 2	sc 2				
a							6.4	g	0.66	7.06	8.1 − 1.03	7.07
b	B				.		78.5	g	0.54	8.04	8.8 − 1.19	7.61
c	B				.		7.5	g	0.54	8.04	8.8 − 1.19	7.61
d	4.5 4.7	4.8	4.75	1 0	3.98	8.73	g 8.1 8.60 0 0		0.51	8.61	9.2 − 1.19	8.01
e	4.6 4.8	5.0	4.90	1 1	3.94	8.84	8.6	8.6	0.52	9.12	9.9 − 0.98	8.92
f	5.2 5.4	5.6	5.50	1 1	3.80	9.30	8.7 8.70 0 0	8.7	0.53	9.23	ns.	.
g	5.8 6.0	5.9	5.95	0 1	3.70	9.65	9.4 9.40 0 0	9.4	0.57	9.97		
h	6.4 6.6	6.8	6.70	1 1	3.60	10.30	9.8 9.90 1 1	10.0	0.62	10.52		
k		7.4			3.54	10.94	ns	ns.		.		

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Tuesday April 17, 1917.

Scale m. B Series 780.

B 4808 5 Cont.

	sc. 2		
l	7.5	3.54	11.04
m	7.8	3.56	11.36
n	7.9	3.57	11.47
o	8.2	3.62	11.82
p	8.4	3.64	12.04
q	9.1	3.81	12.91
r	9.4	3.91	13.31
s	9.5	3.95	13.45
t	9.7	4.05	13.75
u	10.0	4.20	14.20
w	10.1	4.26	14.36

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Scale m

B series 780.

B 48086 C1-

	sc.1	sc.2			Differences			sc. sc.2
1			.		6.1	q	0.48	8.4 – 1.22
2	q		.		6.5	7 q	0.69	8.5 – 1.11
3	q		.		7.1	q	0.40	8.1 – 1.20
4	q		.		q	q	.	9.2 – 1.24
5	4.5 (4.7)	4.6	4.65	1 0	q	.19	0.43	9.5 – 1.17
9	5.4 (5.6)	5.1	5.65	0 1	8.6	q	0.68	10.1? – 0.82
11	5.8 (6.0)	5.9	5.95	0 1	9.1 (9.10)	9.1 (0.0)	0.59	
12	6.3 (6.5)	6.5	6.50	0 0	9.5 (9.50)	9.5 (0.0)	0.52	
13a		7.1			ws	m:	.	
14		7.3						
15		7.5						
16		7.8						
17		7.9						
18		8.4						
19		8.5						
20		9.1						
21		89.1						
24		9.5						
25		9.9						
26		9.8 (9.9)						
27		7.						
x								

330

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