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FOR CATALOGUE.

Observing Book 12

M.E. O'Reilly.

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

Sept. 11, 1918.

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Tuesday February 9, 1915.

Scale M

10:25

Scale Measures of Rich Region Centaurus Sob.

MC 5592 Blue
superposed on MC 5523 - Yellow.

Ref. Reg. for center of pl.

	sc.1	sc.2	B.C. sc.1	B.C. sc.2
1	B.		4.1	4.3
2	B.		5.3	5.5
2a	B.			7.3
3	B.			6.1
4	B.			7.1
5	2.9	3.1		7.7
6	3.3	3.5		8.1
7	3.6	3.8		8.4
7a	4.3	4.5		9.2
7b	4.9	5.1		9.5
~~8~~				
8	3.6	3.8		8.6
9	4.2 ~~2.9~~	4.4		9.20
10		5.3		~~5.~~
11		5.5		
12		5.5		
13		5.8		
14	6.2	6.4	6.3 6.3501	
15	6.3	6.5	6.5 6.5000	
16		7.2		
17				
18		7.6		

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Rich Region Southern Sob
~~Tuesday~~ Thursday

Scale M

	Tuesday Feb 9, 1915		Friday Feb 12, 1915		Thursday, Feb. 18, 1915	
	Mc 5592 Blue		Mc 5679 Blue.		Mc 5666 YELLOW	
		Star P.C. Mc 5592	9:05 For Reduct. see p. 26		9:15 For reduction see P. 28.	
	sc.1 sc.2	Magw. Magw.	sc.1 sc.2	Star P.C. Magw. Magw.	sc.1 sc.2	Star P.C.
fr 41	8.6	9.52	3.4 3.2	9.32	t.f.	g
42	3.4 3.6	9.34	3.5 3.7	9.55	64 6.6?	9.61?
43	4.1 4.3	9.83	3.9 4.1	9.84	5.6 5.8?	9.08?
fr 44	3.6 3.8	~~5.48~~ 5.88 ~~9.62~~	fr 3.6 3.8	6.15	fr 5.5 5.1	
fr 45	7.6	8.72	fr 7.3 from	8.44	4.8 5.0? t.f.	8.59?
46	3.4 3.6	9.84	3.4 3.6	9.48	5.1 5.9	9.14
fr 47	8.5	9.45	3.1 3.3	9.25	fr 3.6 3.8 9.2	{7.93 7.96
47a	4.8 5.0	10.32	4.8 5.0	10.52	1.1	10.42
fr 48	8.1	9.60	3.6 3.8	9.62	6.2 6.4	9.48
fr. C. def. 49	2.3 2.5	R	fr 7.1	8.24	fr 8.5	7.37
50	3.4 3.6	9.34	3.4 3.6	9.48	5.3 5.5	8.88
fr 51	8.0	~~9~~ 9.06	3.0 3.2	9.17	5.6 5.8	9.08
52	4.0 4.2	9.75	3.6 3.8	9.62	4.5 4.7	8.42
53	3.6 3.8	9.48	3.7 3.9	9.70	5.1 5.3	8.76
54	3.6 3.8	9.48	3.6 3.8	9.62	5.1 5.3	8.76
fr 55	8.4	9.37	3.2 3.4	9.32	5.2 5.4	8.82
fr 56	8.3	9.30	fr 11.7 t.f.	8.83? t.f.	4.8 5.0	8.59
fr 57	6.3	7.55	fr 6.2 6.4	7.60	fr 8.1	7.54
58	5.2 5.4	10.66	5.2 5.4	10.82	5.6 5.8	9.08
59	3.7 3.9	9.55	3.7 3.9	9.70	5.9 6.1	9.27
60	3.9 4.1	9.70	4.0 4.2	9.92	5.3 5.5	8.88
61	3.5 3.7	9.41	3.4 3.6	9.48	5.7 5.9	9.14
ident of P.C. uncertain 62	2.6 (Smeared) 2.8	R	fr 7.6? (Includes)	8.74?	4.1 4.3 (Includes)	8.20?
fr 63	7.9	~~8.9~~ 8.97	2.8 3.0	9.08	5.6 5.8	9.08
64	4.3 4.4	9.90	4.0 4.2	9.92	4.4 4.6	8.37
fr 65	8.6	9.52	fr 8.7	9.58	5.9 6.1	9.27

When stars are on edge of limit, no P.C. or image was measured which is very much better image.

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Rich Region Aculeus Sol.

Scale M

Tuesday Feb. 9. 1915 | Friday Feb. 12, 15. | Thursday Feb. 18, 1915.

	Mc 5592				Mc 5619 Blue				Mc 5666 YELLOW			
			Star	P.C.			Star	P.C.			Star	P.C.
	ec.1	ec.2	Magn.	Magn.	ec.1	ec.2			ec.1	ec.2		
fr 66	5.9 6.1			7.39	fr 5.6 5.8		11.18	7.12	fr 6.6 6.8			..
fr 64		7.1		8.80	fr	7.1		8.83	fr	9.1		7.81
fr 68	4.6 4.8			6.44	fr 4.6 4.8			6.55	fr	7.4		..
fr 69		8.6		9.52	3.3 3.5		9.40 ~~9.25~~		4.4 4.6		8.37	
fr 70		8.1		9.14	2.9 3.0		9.10 ~~8.95~~		5.4 5.6		8.94	
71	3.0 3.2		9.05		fr	7.6		8.74	4.8 5.0		8.59	
fr 72		7.8		8.90	fr	7.6		8.74	5.4 5.6		8.94	
73	5.2 5.4		~~10.66~~ 6.84		5.1 5.3		10.15		6.4 6.6		9.61	
fr 74		5.5		~~6.42~~	fr 5.1 5.3			6.80	fr	8.3		7.21
75	5.2 5.4		~~10.66~~ 6.84		5.2 5.4			10.82	6.3 6.5		9.54	
fr 75a		8.4		9.60	3.1 3.9		9.70		6.1 6.9		9.83	
fr 76	5.6	5.1		7.06	fr 5.3 5.5			7.68	fr	8.6		7.45
fr 77		7.9		8.97	fr	7.8		8.92	5.4 5.6		8.94	
fr 78		7.8		8.90	fr	7.8? 7.9?		8.92 8.9?	fr 5.4	8.8		7.62
fr 79		7.1		8.28	fr	7.3		8.44	4.2 4.4		8.26	
80	3.4 3.6		9.34		3.3 3.5		9.40		5.1 5.3		8.76	
81	3.1 3.9		9.55		3.1 3.9		9.70		4.3 4.5		8.31	
82	3.4 3.6		9.34		3.4 3.6		9.48		3.1 3.9		7.94	
fr 82		8.6		9.52								
fr 83		7.5		8.63	fr	7.4		8.55	fr	7.7		..
fr 84		7.7		8.54	fr	7.4		8.55	5.1 5.3?		8.76? 9?	
81a double?	5.4 5.6		10.83? dbl?		4.6 4.8		10.35			8.1	10.73	
84a	4.6 4.8		10.16		4.8 5.0		10.52			8.1	10.73	
84b	4.3 4.5		9.96		4.0 4.2		9.92			7.5	10.27	
81b	4.4 4.9		10.24		4.4 4.6		10.21			8.1	10.73	
81c close double.	.		.		.		.			dbl.	d	
85	4.6 4.8		10.16		4.8 5.0?		10.52?		6.2 6.4		9.48	

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Rich Region Sculptor Sat.

Scale m-

Tuesday Feb 9, 1915 | Friday Feb. 12, 1915 | Thursday Feb. 18, 1915

mc 5592 | mc 5679 Blue | mc 5666 YELLOW

	sc.1	sc.2	Star Magn.	O.C.	sc.1	sc.2	Star	O.C.	sc.1	sc.2	Star	O.C.
fr 86	4.8 5.0		~~10.82~~	6.56	fr 4.6	4.8	~~10.35~~	6.55	fr	7.8		
fr 87		7.6		8.72	fr	7.6		8.74	5.2	u.f. 5.4?	8.82 ?8	
88	4.2 4.4		9.90		4.5	4.7	10.29		6.5	6.7	9.69	
fr 89		8.8		9.68	3.5	3.7	9.55		t.f.		9f	
fr 90	3.3 3.5?		9.26?		elong. 3.4	3.6?	9.48?		t.f.		9f	
91	3.5 3.7		9.41		Remeas. may 9, ia. fr 7.7		~~8.55~~		6.0	6.2	9.34	
92	4.1 4.3		9.83		4.4	4.6	10.21	reject. Star closer to O.C. meas by mistake	5.4	5.6	8.94	
fr 93		7.2		8.36	fr	7.4		8.55	fr	7.6		8.29
fr 94		7.5		8.69	fr	7.6		8.74	5.2	5.4	8.82	
fr 95	5.2 5.4			6.84	fr 5.2	5.4		6.84 ~~+0.82~~	fr	7.3		~~10.13~~
96	4.2 4.4		9.90		4.6	4.8	10.35		5.3	5.5	8.88	
fr 97		8.6		9.52	3.5	3.7	9.55		4.1	4.3	8.20	
fr 98		8.1		9.14	3.2	3.4	9.32		6.0	6.2	9.34	
fr 99		8.5		9.45	fr	8.2		9.25	4.3	4.5	8.31	
fr 100		8.3		9.30	fr	7.6		8.74	3.5	3.7	7.88	
fr 101		8.9		8.10	fr	7.2		8.34	fr	8.2		7.13
fr 102		8.1		9.60	3.7	3.9	9.70		6.3	6.5	9.54	
fr 103		8.4		9.37	fr	8.3		9.33	4.3	4.5	8.31	
fr 104		8.5		9.45	fr	8.6		9.53	5.4	5.6	8.94	
fr 105		9.2		9.98	3.7	3.9	9.70		6.2	6.4	9.48	
106	4.7 4.9		10.24		4.8	5.0	10.52		6.3	6.5	9.54	
fr 107		6.5		7.73	fr 6.2	6.4		7.60	fr	8.8		7.62
double 108	{2.6? 2.8? / 7.3? → 7.3?}		{~~12.25?~~ ..		{2.8 3.0 / ~~9.03~~		9.03 ..		4.1	4.3	8.20	
109	3.2 3.4		9.19		fr	8.1		9.18	5.1	5.3	8.76	
fr 110		8.2		9.21	fr	8.2		9.25	5.8	6.0	9.21	
111	3.3 3.5		9.26		3.2	3.4		9.32	5.8	6.0	9.21	

Im poor AC, partly superposed?

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Rich Region Sculum Sat.

Scale m

	Tuesday Feb. 9, 1915. Mc5592				Friday Feb. 12, 1915. Mc5649 Blue				Thursday, Feb. 18, 1915 Mc5666 YELLOW			
	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.
101a	4.0	4.2	9.75		4.1	4.3	10.00			1.4	10.20	
101b		5.1	10.92	~~10.92~~	5.6	5.8	11.13			1.6	10.34	
double. fr 112		8.8		9.68 R	dbl.		R		4.3	4.5	8.31	
113		5.1	10.40		4.5	4.7	10.29		5.9	6.1	9.27	
113a		6.9	11.76		6.1	6.9	12.00			1.1	10.42	
fr 114		8.4	~~9~~	9.37	3.5	3.7	9.55		5.1	5.9	9.14	
fr 115		8.5		9.45	3.3	3.5	9.40		4.0	4.2	8.15	
115a	4.1	4.9	10.24		4.5	4.7	10.29			1.1	10.42	
fr 116		1.8		8.90	2.1	2.9 PC. from	..	9[illegible]	5.1	5.3	8.76	
117	4.4	4.6	10.02		4.2	4.4	10.07		6.3	6.5	9.54	
fr 118		1.8		8.90	fr 1.1			8.83	4.1	4.3	8.20	
119	3.6	3.8	9.48		3.5	3.7	9.55		6.2	6.4	9.48	
fr 120		8.4		9.37	3.3	3.5	9.40		5.5	5.7	9.01	
120a		5.1	10.40		4.9	5.1	10.60			8.2	10.80	
fr 121		8.4		9.37	fr 8.1			9.58	5.6	5.8	9.08	
122		5.2	10.48		5.2	5.4	10.82		5.6	5.8	9.08	
fr 123		8.4		9.37	3.4	3.6	9.48		5.5	5.7	9.01	
fr 124		8.5		9.45	3.5	3.7	9.55		5.3	5.5	8.88	
fr 125	4.6	4.8		6.44	fr 4.2	4.4	~~10~~	6.38	fr 6.5	6.7		
126	4.3	4.5	9.96		4.0	4.2	9.92		4.7	4.9	8.53	
127	4.1	4.3	9.83		3.8	4.0	9.77		4.7	4.9	8.53	
fr 128		8.1		9.60	3.6	3.8	9.62		5.5	5.7	9.01	
fr 129		8.4		9.37	3.2	3.4	9.32		5.2	5.4	8.82	
129a		5.2	10.48		4.5	4.7	10.29			1.3	10.13	
fr 130		8.4		9.37	fr 8.5		9.46		5.2	5.4	8.82	
fr 131		8.0		9.06	2.9 PC. from	3.1	9.10?		4.9	5.1	8.64	

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Rich Region Sculptum Sols.

Scale m

Tuesday Feb. 9, 1915 | Friday Feb. 12, 1915 | Thursday Feb. 18, 1915

MC 5592 | MC 5619 Blue. | MC 5666 YELLOW

	sc.1	sc.2	Star	C.C.	sc.1	sc.2	Star	C.C.	sc.1	sc.2	Star	C.C.
fr 132		6.7		7.92	fr 6.4	6.6		7.17	fr 8.5			7.37
fr 133	4.6	4.8		6.44	fr 4.5	4.1		6.50	fr 7.4			..
fr 134		5.6		7.00	fr 5.4	5.6		6.98	fr 7.8			6.80
135	3.8	4.0	9.62		3.7	3.9	9.70		5.6	5.8	9.08	
fr 136		7.1		8.80	3.0	3.2	9.17		5.4	5.6	8.94	
fr 137		7.3		8.44	fr 7.1			8.24	fr 9.3			8.04
138	3.6	3.8	9.48		3.6	3.8	9.62		4.5	4.7	8.42	
fr 139		7.1		8.80	fr 7.1			8.83	* 5.4?	5.6?	8.94?	
fr 140		8.5		9.45	3.5	3.7	9.55		5.8	6.0	9.21	
141	4.4	4.6	10.02		4.3	4.5	10.14		6.2	6.4	9.48	
~~142~~			.		~~fr 8.1~~		~~9~~		.			
fr 143		8.1		9.14	fr 8.1			9.18	5.6	5.8	9.08	
144	3.4	3.6	9.34		3.4	3.6	9.48		5.2	5.4	8.82	
~~145~~			.				.					
~~146~~			.				.					
~~147~~			.				.					
fr 148		6.8		8.00	fr 7.1			8.24	fr 8.1			7.05
fr 149		6.8		8.00	fr 7.2			8.34	4.2	4.4	8.26	
150	3.6	3.8	9.48		fr 9.1 ? poor			9.80 ? 9.8	4.8	5.0	8.59	
fr 151		6.3		7.55	fr 5.8	4.0		7.26	fr 8.6			7.45
fr 152		8.5		9.60	3.5	3.7	9.55		5.9	6.1	9.27	
fr 153		9.2		9.98	3.7	3.9	9.70		5.3	5.5	8.88	
154	4.4	4.6	10.02		4.2	4.4	10.07		5.6	5.8	9.08	
fr 155		8.9		9.06	fr 7.8			8.92	4.7	4.9	8.53	
~~156~~												
~~157~~												

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Rich Region Sculptor Sub.

Scale m	Tuesday, Feb. 9, 1915.				Friday, Feb. 12, 15.				Thursday, Feb. 18, 1915			
	Mc 5592 Blue				Mc 5699 Blue.				Mc 5666 YELLOW			
	sc1	sc2	Star	O.C.	sc1	sc2	Star	O.C.	sc1	sc2	Star	O.C.
fr 158		8.8		9.68		3.9		9.70		6.2		9.34
Outside square 4° ~~159~~												
" ~~160~~												
" ~~161~~												
" ~~162~~												
163	5.2	5.4		10.66		5.1	5.3	10.75		6.1	6.3	9.41
164	3.5	3.7		9.41		3.5	3.7	9.55		4.4	4.6	8.37
fr 165		8.6		9.52		3.2	3.4	9.32	fr	9.3		8.04
166		5.9		11.09		5.3	5.5	10.90		4.1	4.3	8.53
167		5.8		11.00		5.5	5.7	11.05		6.2	6.4	9.48
168	4.1	4.3		9.83		3.8	4.0	9.77		5.3	5.5	8.88
169	4.0	4.2		9.75		3.9	4.1	9.84		6.2	6.4	9.48
170		5.5		10.74		5.2	5.4	10.82			7.1	10.42
171		6.2		11.34		5.7	5.9	11.20		6.5	6.7	9.69
172		6.2		11.34		5.7	5.9	11.20			7.3	10.18
fr 173		8.2		9.21		3.0	3.2	9.17		5.1	5.3	8.76
174	4.4	4.6		10.02		4.0	4.2	9.92		5.4	5.6	8.94
175	5.2	5.4		10.66		4.8	5.0	10.52			7.3	10.13
fr 176		7.1		8.80	fr	1.1		8.83		4.6	4.8	8.49
177	4.8	5.0		10.32		4.5	4.7	10.29			7.1	10.42
fr 178		8.2		9.21		2.9	3.1 (2C shows)	9.10		5.1	5.3	8.76
fr 179		7.1		8.80	fr	1.1		8.83		4.6	4.8	8.49
179a ~~180~~ as united fr.	5.1	5.9		11.09		5.6	5.8	11.13		6.8	7.0	9.90
179b		6.2		11.34		5.1	5.9	11.20			7.4	10.20
180	4.2	4.4		9.90		3.8	4.0	9.77		5.1	5.3	8.76
fr 181		7.8		8.90	fr	1.1		8.83		5.2	5.4	8.82

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Rich Region Scuturm Dol.

Scale M	Tuesday Febr. 9, 1915	Friday Feb. 12, 15.	Thursday Feb 18, 1915
	mc 5892	mc 5619 Blue	mc 5666 YELLOW

	sc 1	sc 2	Plan	C.C.	sc 1	sc 2	Plan	C.C.	sc 1	sc 2	Plan	C.C.
fr 182		8.2		9.21		3.0 3.2	9.17		5.4 5.6		8.94	
182a	5.5 5.7		10.92			5.2 5.4	10.82		6.1 6.9		9.83	
182b	5.2 5.4		10.66			4.9 5.1	10.60		6.5 6.7		9.69	
183	5.2 5.4		10.66			4.8 5.0	10.52		6.0 6.2		9.34	
fr 184		8.1		9.14		3.1 3.3	9.25 ~~9.17~~		5.3 5.5		8.88	
184a	4.6 4.8		10.16			4.4 4.6	10.21		6.1 6.9		9.83	
185		6.1	11.26			5.6 5.8	11.13		6.1 6.3		9.41	
fr 186		6.3	~~11.43~~	7.55	fr 6.2	6.4		7.60	fr 8.8			7.62
186a	4.9 5.1		10.40			4.1 4.9	10.44 dble?		6.6 6.8		9.76	
fr 189		9.0		9.83		3.1 3.9	9.70		6.2 6.4		9.48	
188	5.6 5.8		11.00			5.3 5.5	10.90			8.0	10.65	
189		5.1	10.92			5.4 5.6	10.98			8.1	10.73	
fr 190		7.5		8.68	fr 7.2			8.34	4.1 4.3		~~8.19~~	8.20
191	5.2 5.4		10.66			4.9 5.1	10.60		5.4 5.6		~~8.82~~	8.94
fr 192		7.1		8.80	fr 7.5			8.65	4.2 4.4		8.15	8.26
fr 193		8.1		9.14	fr 8.1			9.18	4.1 4.9		8.42	8.53
194	3.6 3.8		9.48			3.2 3.4	9.32		4.1 4.9		8.42	8.53
195	2.6 2.8		8.75 e			2.5 2.7	8.80 e		4.1 4.3		8.10	8.20
196		6.6	11.68			6.1 6.3	11.52			7.1	9.96	9.96
197	4.8 5.0		10.32			4.7 4.9	10.44			7.6	10.34	10.34
198		6.2	11.34			5.1 5.9	11.20		6.9 7.1		9.83	9.96
199	4.7 4.9		10.24			4.2 4.4	10.07		5.6 5.8		~~8.94~~	9.08
fr 200		7.7		8.80	fr 7.6			8.74	4.8 5.0		8.59	
fr 201		8.2		9.21	fr 8.4			9.40	5.6 ~~5.8~~		9.08	
fr 202		6.5		7.73	fr 6.4 6.6			7.77	3.4 3.6		7.83	
fr 203		8.2		9.21		3.0 3.2	9.17		5.3 5.5		8.88	

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Rich Region Section Sol.

Scale m

Tuesday, February 9, 1915 | Friday, Feb. 12, 15. | Thursday, Feb. 18, 1915

Mc 5592 Blue | Mc 5619 Blue. | Mc 5666 YELLOW

	sc.1	sc.2	Star	O.C.	sc.1	sc.2	Star	O.C.	sc.1	sc.2	Star	O.C.
204	5.6	5.8	11.00	~~7.11~~	del.		R		6.5	6.7	9.69	
* 205	4.4	4.6	10.02	~~6.33~~	4.0	4.2	9.92		6.4	6.6	9.61	
205a		5.1	10.92	~~7.06~~	5.2	5.4	10.82			7.3	10.13	
205b		6.2	11.34	~~7.41~~	5.1	5.9	11.20			7.4	10.20	
206	4.6	4.8	10.16	~~6.44~~	4.8	4.2	9.92			7.4	10.20	
206a	4.6	4.8	10.16	~~6.44~~	4.2	4.4	10.07			7.5	10.27	
207	5.0	5.2	10.48	~~6.40~~	4.8	5.0	10.52			7.5	10.27	
207a		6.3	11.43	~~7.55~~	6.1	6.3	11.52			7.7	10.42	
207b		7.2	12.18	~~8.36~~	6.1	6.9	12.00			7.6	10.34	
208	4.7	4.9	10.24	~~6.50~~	4.3	4.5	10.14			7.2	10.04	
208a		6.6	11.68	~~7.82~~	6.3	6.5	11.69			7.5	10.27	
209	4.2	4.4	9.90	~~6.2~~	3.7	3.9	9.70		5.0	5.2	8.70	
210	3.6	3.8	9.48		3.5	3.7	9.55		3.7	3.9	7.99	
210a		6.8	11.84		6.7	6.9	12.00			7.6	10.34	
211	5.3	5.5	10.74		5.1	5.3	10.75		6.0	6.2	9.34	
212		5.6	10.83		5.2	5.4	10.82			8.0	10.65	
213	5.7 5.8	5.9 6.0	11.09 11.27		5.6 5.9	5.8 6.1	11.13 11.36		6.4 8.2	6.6 8.7	9.61 11.19	
214	4.5	4.7	10.09		4.3	4.5	10.14			7.4	10.20	
fr 215		7.5		8.63	fr	7.1		8.83	5.0	5.2	8.70	
fr 216		8.1		9.60	3.8	4.0	9.17			7.1	9.96	
fr 217		8.6		9.52	fr	8.8		9.64	4.6	4.8	8.49	
218		6.5	11.60		5.8	6.0	11.28			7.3	10.13	
219	4.1	4.9	10.24		4.1	4.9	10.44		5.8	6.0	9.21	
220	5.5	5.7	10.92		5.2	5.4	10.82		6.6	6.8	9.76	
221	4.2	4.4	9.90		4.2	4.4	10.07			7.1	9.96	
*204a	5.8	6.0	11.17		5.5	5.7	11.05		6.8	7.0	9.90	
204b		6.7	11.76		6.4	6.6	11.76			7.4	10.20	

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Rich Region Sculptor Sob.

Scale M	Tuesday, Feb. 9, 1915	Friday, Feb. 12, 15	Thursday, Feb. 18, 1915
[illegible]	Mc5592 Blue	Mc5619 Blue	Mc5666 YELLOW

	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.
222	5.0	5.2	10.48		4.1	4.9	10.44			8.1	10.18	
223	4.0	4.2	9.75		4.2	4.4	10.07		6.8	7.0	9.90	
224	4.9	5.1	10.40		4.4	4.6	10.21			7.3	10.13	
225	4.8	5.0	10.32		4.5	4.1	10.29		6.9	7.1	9.96	
fr 226	5.6	5.8		7.14	fr 5.5	5.7	#	7.04	fr 8.5			7.37
227		6.2	11.34 ~~11.47~~		6.1	6.3	11.52			7.3	10.13	
227a	4.5	4.1	10.09		4.2	4.4	10.07			7.1	10.20	
228	4.9	5.1	10.40		4.5	4.7	10.29			7.1	9.96	
fr 229		8.1		9.60	3.6	3.8	9.62		6.4	6.6	9.61	
230	4.6	4.8	10.16		4.1	4.6	10.21			7.3	10.13	
231	4.2	4.4	9.90		3.1	3.9	9.70		5.2	5.4	8.82	
231a		6.1	11.76		6.4	6.6	11.76			7.1	9.96	
232	4.8	5.0	10.32		4.3	4.5	10.14			7.4	10.20	
fr 233		8.3		9.30	3.1	3.3	9.25		5.5	5.7	9.01 ~~8.94~~	
234	4.6	4.8	10.16		4.2	4.4	10.07		6.1	6.9	9.83	
235	4.8	5.0	10.32		4.7	4.9	10.44			7.1	10.42	
236	4.1	4.9	10.24		4.4	4.6	10.21			7.4	10.20	
237	4.6	4.8	10.16		4.3	4.5	10.14			7.1	9.96	
fr 238		1.9		8.91	fr 1.8			8.92	5.3	5.5	8.88	
239		6.5	11.60 ~~11.73~~			Rec.	..	=		7.2	10.04	
fr 240		1.8		8.90	fr 1.1? v.h.			8.83? g	4.8	5.0	8.59	
241	4.2	4.4	9.90		3.1	3.9	9.70		4.9	5.1	8.64	
242	5.2	5.4	10.66		4.8	5.0	10.52			7.6	10.34	
243	5.1	5.3	10.56		4.8	5.0	10.52			7.8	10.50	
244	5.6	5.8	11.00		5.3	5.5	10.90		def?		Im for R	
245	4.1	4.9	10.24		4.2	4.4	10.07		5.9	6.1	9.27	

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Rich Region Sculptor Sat.

Scale M Tuesday Feb. 9, 1915

Mc 5592

Ref.	Seq.	sc. 1	sc. 2	P.C. sc. 1	P.C. sc. 2
	1	B.		4.1	4.3
	2	B.		5.2	5.4
	2a	B.		1.0	
	3	B.		6.6	
	4	B		1.3	
	5	2.1	2.9	1.1	
	6	3.2	3.4	1.8	
	7	3.6	3.8	8.4	
	7a	4.4	4.6	8.8	
	7b	4.8	5.0	9.4	
	8	3.6	3.8	8.1	
	9	4.0	4.2	9.3	
	10	5.2	5.4	1.	
	11	5.2	5.4		
	12	5.2	5.4		
	13	5.1	5.9		
	14		6.3		
	15		6.5		
	16		7.2		
	17				
	18		7.6		

1:41 a

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Rich Region Sculum Sol.

Scale M. Wednesday Feb. 10, 1915

9:30 Mc 5592 Blue

			P.C.	
	Sc. 1	Sc. 2	Sc. 1	Sc. 2
1	B.		3.9	4.1
2	B.		5.3	5.5
2a	B.		7.3	
3	B		6.6	
4	B		7.3	
5	2.8	3.0	7.1	
6	3.0	3.7	7.8	
7	3.6	3.8	8.6	
7a	4.3	4.5	8.9	
7b	4.1	4.9	9.5	
8	3.5	3.7	8.1	
9	3.9	4.1	8.8?	
10	5.2	5.4	~~9.0~~?	
11	5.3	5.5		
12	5.3	5.5		
13	5.7	5.9		
14	6.2	6.4		
15	6.3	6.5		
16	6.8	7.0		
17		7.3		
18		7.6		

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Rich Region Seulim Sol.

Seulim | Wednesday Feb. 10, 1915 | Saturday Feb. 13, 15. | Thursday Feb. 18, 1915

		Wednesday Feb. 10, 1915		Saturday Feb. 13, 15.		Thursday Feb. 18, 1915
		Mc 5592 Blue.		Mc 5679 Blue.		Mc 5666 YELLOW
	sc.1 sc.2	Star P.C.	sc.1 sc.2	Star P.C.	sc.1 sc.2	Star P.C.
fr 246	8.4	9.37	fr 8.4	9.40	5.0 5.2	8.70
247	4.4 4.6	10.02	4.1 4.3	10.00	7.4	10.20
248	3.6 3.8	9.48	3.6 3.8	9.62	6.5 6.7	9.69
249	5.1 5.9	11.09	5.1 5.9	11.20	7.1	9.96
250	4.6 4.8	10.16	4.1 4.3	10.00	5.2 5.4	8.82
251	3.4 3.6	9.34 9.52	fr 8.1	9.58	4.7 4.9 4.7 w.s.	8.53
fr " 252	5.6 5.8 6	11.00	5.4 5.6	10.98	7.6	10.34
252a	4.3 4.5	9.96	4.2 4.4	10.07	7.2	10.04
fr 253	7.1	8.80	fr 7.1 phew	8.83?	5.8 5.2	8.70
fr 254	7.6	8.72	fr 7.8	8.92	3.6 3.8	7.93
254a	4.5 4.7	10.09	4.3 4.5	10.14	7.5	10.27
see also p. 24 → 255	6.2 6.4	11.51	fr 5.8 6.0 7.4 w.s.	11.28	6.4 6.6	9.61
256	4.1 4.9	10.24	4.2 4.4	10.07	5.4 5.6	8.94
close double. 257	.	.	.	.	.	d
257a	4.6 4.8	10.16	4.3 4.5	10.14	7.1	10.42
258	5.1 5.9	11.09	5.6 5.8	11.13	7.4	10.20
258a	4.1 4.9	10.24	4.5 4.7	10.29	7.6	10.34
fr 259	8.4	9.37	9.5 3.7	9.55	5.9 6.1	9.27
260	6.3 6.5	11.60	6.2 6.4	11.60	7.0 7.2	10.04
260a	4.1 4.9	10.24	4.3 4.5	10.14	7.5	10.27
261	5.0 5.2	10.48	4.8 5.0	10.52	7.9	10.58
261a	5.3 5.5	10.74	5.2 5.4	10.82	7.2	10.04
262	4.8 5.0	10.32	4.5 4.7	10.29	7.4	10.20
263	4.2 4.4	9.90	3.7 3.9	9.70	4.2 4.4	8.26
263a	6.6 6.8	11.84	6.2 6.4	11.60	7.3	10.13
264	3.7 3.9	9.55	3.5 3.7	9.55	3.8 4.0	8.04
fr 265	6.1	7.92	fr 6.7 6.9	8.05	fr 8.4	9.30
266	5.3 5.5	10.74	5.2 5.4	10.82	7.6	10.34
264a	6.5 6.7	11.76	6.3 6.5	11.69	7.5	10.27
264b	5.1 5.9	11.09	5.5 5.7	11.05	7.2	10.04

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Arch Region Sculum Sat.

Scale m Wednesday Feb 10, 15 Friday Feb 13, 15 Thursday, Feb. 18, 1915.

NO. 13 Mc 5592 cont. Mc 5619 Blue Mc 5666 YELLOW

	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.	sc.1	sc.2	Star	P.C.
267	4.0	4.2	9.75		3.9	4.1	9.84		6.5	6.7	9.69	
268	5.7	5.9	11.09		5.6	5.8	11.13		7.4		10.20	
269	5.5	5.7	10.92		5.2	5.4	10.821		6.8	7.0	9.90	
270	5.1	5.3	10.56		4.8	5.0	10.52		7.7		10.58	
fr 271	6.1	6.3	*	7.55	fr 6.1	6.3		7.50 7.54	fr 8.7			7.54
272	6.4		11.51		6.2	6.4	11.60		7.0		9.90	
fr 273	8.8			9.68	3.6	3.8	9.62		5.3	5.5	8.88	
274	5.3	5.5	10.74		4.8	5.0	10.521		6.3	6.5	9.54	
275	6.1	6.3	11.43		6.2	6.4	11.60		7.0		9.90	
276	3.9	4.1	9.70		3.8	4.0	9.77		6.5	6.7	9.69	
277	5.2	5.4	10.66		4.8	5.0	10.52		7.3		10.13	
277a	5.4	5.6	10.83		5.6	5.8	11.13		7.2		10.12	
278	4.2	4.4	9.90		4.0	4.2	9.92		6.7	6.9	9.83	
279	4.7	4.9	10.24		4.6	4.8	10.35		7.4		10.20	
280	6.0	6.2	11.34		5.8	6.0	11.28		7.2		10.04	
double? 281	6.6	6.8?	11.84?		6.6	6.8?	11.91?		7.7		10.58	
282	6.2	6.4	11.51		6.3	6.5	11.69		7.4		10.20	
283	4.6	4.8	10.16		4.1	4.9	10.44		7.5		10.27	
284	4.5	4.7	10.09		4.6	4.8	10.35		5.5	5.7	9.01	
fr 285		7.7		8.80	fr	7.7		8.83	4.6	4.8	8.49	
double. 286					double.							
fr 287		8.9		9.75	3.0	3.2	9.17		fr 8.0			6.96
288	4.6	4.8	10.16		4.7	4.9	10.44		7.8		10.50 6.80	
289	4.4	4.6	10.02		4.4	4.6	10.21		bt 7.6		10.34	
290	4.6	4.8	10.16		4.6	4.8	10.35		6.4	6.6	9.61	
291	4.0	4.2	9.75		3.8	4.0	9.77		6.6	6.8	9.76	

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Rich Region Section Sob.

Scale M - Wednesday Feb. 10, 1915 Saturday Feb. 13 15. Thursday Feb. 18, 1915.

MC 5592 Blue MC 5619 Blue MC 5666 YELLOW

	sc.1	sc.2	Star	P.C.	sc.1	sc.2		sc.1	sc.2	Magn.	
fr 292		9.1		9.90	4.1	4.3	10.00		1.7	10.04	
293	5.1	5.9	11.09		5.1	5.9	11.20		1.6	10.34	
294	4.5	4.7	10.09		4.5	4.7	10.29		1.6	10.34	
295	4.8	5.0	10.32		4.8	5.0	10.52		8.1	10.13	
296	5.1	5.3	10.56		5.1	5.3	10.75		1.6	10.34	
296a	5.2	5.4	10.66		5.2	5.4	10.82		8.1	10.13	Rem. Oc. 8 1:1 not
297	4.8	5.0	10.32		4.8	5.0	10.52		1.6	10.34	
297a	5.1	5.3	10.56		5.1	5.3	10.75		8.1	10.13	
298	6.2	6.4	11.51		6.0	6.2	11.44		1.1	9.96	
299	5.6	5.8	11.00		5.6	5.8	11.13		1.5	10.27	
300	4.1	4.9	10.24		4.5	4.1	10.29	6.1	6.3	9.41	Rem 5593 4
300a	5.0	5.2	10.48		5.3	5.5	10.90		1.8	10.50	
fr 301.		9.0		9.83	4.1	4.3	10.00	6.6	6.8	9.76	
302	4.2	4.4	9.90		4.2	4.4	10.07	6.5	6.7	9.69	P.C. poor
303	5.0	5.2	10.48		5.0	5.2	10.68		1.6	10.34	
304	5.6	5.8	11.00		5.1	5.9	11.20		1.1	10.42	
305	5.1	5.3	10.56		4.8	5.0	10.52	6.4	6.6	9.61 9.54	
306	4.1	4.9	10.24		4.1	4.9	10.44	6.8	7.0	9.90	
307	4.8	5.0	10.32		4.1	4.9	10.44		1.5	10.27	
308	4.0	4.2	9.75		3.7	3.9	9.70	6.4	6.6	9.61	
fr 309		8.5		9.45	3.5	3.7	9.55	6.1	6.3	9.41	
310	5.2	5.4	10.66		5.1	5.3	10.75		1.6	10.34	
310a	6.1	6.3	11.43		6.1	6.3	11.52 ~~11.36~~		1.1	9.96	Rem 559 4
310b	4.8	5.0	10.32		4.8	5.0	10.52		1.4	10.20	
310c	6.7	6.9	11.93		6.8	7.0	12.08		1.1	10.42	
Remeas May 9, 16. Wrong unit. fr 311		8.6 7.6		9.52 ~~8.12~~	3.6	3.8	9.62	6.3	6.5	9.54	

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Arch Region Scalum Sob

Scale M	Wednesday Feb. 10, 1915.	Friday Feb. 13, '15	Thursday Feb. 18, 1915.
	Mc 5592 Blue	Mc 5679 Blue	Mc 5666 YELLOW

	Sc.1	Sc.2	Star	P.C.	Sc.1	Sc.2	Star	P.C.	Sc.1	Sc.2	Star	P.C.
311a	5.2	5.4	10.66		5.0	5.2	10.68			8.3	10.87	
311b	5.2	5.4	10.66		4.9	5.1	10.60			7.8	10.50	
311c	5.2	5.4	10.66		5.0	5.2	10.68			8.2	10.80	
312	4.7	4.9	10.24		4.6	4.8	10.35		6.6	6.8	9.76	
312a	4.9	5.1	10.40		4.8	5.0	10.52			7.7	10.42	
fr 313		7.1		8.80	3.9	4.1	9.84	(Remeas. may 9,'16) Meas. correct	6.7	6.9	9.83	
314	4.5	4.7	10.09		4.3	4.5	10.14		6.8	7.0	9.90	
315	5.5	5.7	10.92		5.3	5.5	10.90			7.4	10.20	
316	4.2	4.4	9.90		4.2	4.4	10.07			7.1	9.96	
317	4.0	4.2	9.75		4.0	4.2	9.92		6.6	6.8	9.76	
317a	4.7	4.9	10.24		5.1	5.3	10.75			7.8	10.50	
317b	5.2	5.4	10.66		4.1	4.3	10.00			7.8	10.50	
fr 318		8.3		9.30	fr	8.1		9.58	6.1	6.3	9.41	
319	4.4	4.6	10.02		4.6	4.8	10.35		6.6	6.8	9.76	
319a	6.1	6.3	11.43	~~11.43~~	5.9	6.1	11.36	~~11.36~~		7.2	10.04	
319b	6.0	6.2	11.34		6.3	6.5	11.69			7.4	10.20	
~~320a~~ 319c	4.5	4.7	10.09		4.4	4.6	10.21			7.8	10.50	
320	4.1	4.3	9.83		4.0	4.2	9.92			7.1	9.96	
321	5.8	6.0	11.17		5.8	6.0	11.28			7.5	10.27	
322	4.5	4.7	10.09		4.4	4.6	10.21			7.6	10.34	
323	6.2	6.4	11.51		6.1	6.3	11.52			7.5	10.27	
324	4.5	4.7	10.09		4.2	4.4	10.07			7.1	9.96	
325	4.1	4.9	10.24		5.1	5.3	10.75			7.8	10.50	
326	5.5	5.7	10.92		5.6	5.8	11.13		6.1	6.3	9.41	
fr 327		8.1		9.60	3.7	5.9	9.70		6.2	6.4	9.48	
328	5.4	5.6	10.83		5.2	5.4	10.82		6.3	6.5	9.54	

Remeas. May 9, '16. Dec. 8.3. 7.1 certainly wrong not wrong unit

Remeas. May 9, 1916: 5592 4.9 no error; 5679 4.9

Remeas. May 9, 1916: 5592 4.8; 5679 4.9

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Rich Region Sculum Sols.

Scale M

	Wednesday Feb 10, 1915			Saturday Feb 13, '15			Thursday Feb 18, 1915		
	MC 5592 Blue			MC 5679 Blue.			MC 5666 YELLOW		
	sc.1	sc.2	Star P.C.	sc.1	sc.2	Star P.C.	sc.1	sc.2	Star P.C.
328a	4.1	4.9	10.24	4.1	4.9	10.44		7.6	10.34
328b	4.1	4.9	10.24	4.8	5.0	10.52		7.8	10.50
329	6.6	6.8	11.84	6.6	6.8	11.91		7.4	10.20
330	3.8	4.0	9.62	4.0	4.2	9.92	6.3	6.5	9.54
330a	5.0	5.2	10.48	5.2	5.4	10.82		8.2	10.80
331	4.2	4.4	9.90	4.0	4.2	9.92	6.5	6.7	9.69
332	4.1	4.3	9.83	3.7	3.9	9.70	6.3	6.5	9.54
333	5.2	5.4	10.66	5.1	5.3	10.75	6.4	6.6	9.61
334	4.8	5.0	10.32	4.1	4.9	10.44	6.8	7.0	9.90
335	5.2	5.4	10.66	4.7	5.1	10.60		7.5	10.27
336	5.1	5.3	10.56	4.1	4.9	10.44		7.1	10.42
337	5.6	5.8	11.00	5.4	5.6	10.98		7.3	10.13
338	4.9	5.1	10.40	4.9	5.1	10.60	5.5	5.7	9.01
339	4.2	4.4	9.90	4.0	4.2	9.92	6.2	6.4	9.48
↳ 340	8.6	=	9.52	3.6	3.8	9.62	6.0	6.2	9.34
341	5.9	6.1	11.26	5.6	5.8	11.13	6.2	6.4	9.48
342	5.6	5.8	11.00	5.3	5.5	10.90	6.6	6.8	9.76
343	4.5	4.7	10.09	4.4	4.6	10.21		7.2	10.04
344	4.0	4.2	9.75	3.8	4.0	9.77		7.3	10.13
344a	4.9	5.1	10.40	4.8	5.0	10.52		7.8	10.50
↳ 345	8.8		9.68	3.8	4.0	9.77	6.3	6.5	9.54
345a	6.3	6.5	11.60	6.3	6.5	11.69		7.4	10.20
346	4.1	4.3	9.83	4.1	4.3	10.00	6.5	6.7	9.69
347	4.0	4.2	9.75	3.7	3.9	9.70	6.5	6.7	9.69
348	4.6	4.8	10.16	4.8	5.0	10.52		7.3	10.13
349	4.8	5.0	10.32	4.8	5.0	10.52	6.3	6.5	9.54

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Rich Region Sculptor Sol.

Scale m

	Wednesday, Feb. 10, 1915			Saturday Feb. 13, 15			Thursday Feb. 18, 1915.		
	mc 5592 Blue			mc 5699 Blue.			mc 5666 YELLOW		
	sc.1	sc.2	Star D.C.	sc.1	sc.2	Star D.C.	sc.1	sc.2	Star D.C.
350	48	50	10.32	46	48	10.35	51	59	9.14
351	43	45	9.96	42	44	10.07	6.5	6.7	9.69
352	45	47	10.09	41	49	10.44	7.4		10.20
353	56	58	11.00	55	57	11.05	8.0		10.65
354	54	56	10.83	53	55	10.90	7.5		10.27
355	51	59	11.09	46	57	11.05	7.8?		10.42
355	46	48	10.16	46	48	10.35	7.4		10.20
355a	50	52	10.48	49	51	10.60	7.7		10.42
fr 356	8.5		9.45	fr 8.1		9.58	6.5?	6.7 very faint	9.69? 98
fr 357	8.1		9.60	36	38	9.62	6.3	6.5	9.54
358	37	39	9.55	37	39	9.70	6.1	6.3	9.41
358a	49	51	10.40	45	47	10.29	7.6		10.34
359	46	48	10.16	43	45	10.14	7.5		10.27
fr 360	8.5		9.45	33	35	9.40	5.9	6.1	9.27
fr 361	8.5		9.45	35	37	9.55	5.1	5.9	9.14
double. 361a			R	dbl.		dbl.	8.2?	dbl.	10.80? d
362	44	46	10.02	44	46	10.21	5.5	5.7	9.01
363	54	56	10.83	52	54	10.82	7.2		10.04
364	36	38	9.48	34	36	9.48	6.2	6.4	9.48
365				6.9	7.1	12:15	6.7	6.9	9.83
365a	55	57	10.92	54	56	10.82 98	8.3		10.81
366	56	58	11.00	55	57	11.05	6.9	7.1	9.96
367	42	44	9.90	42	44	10.07	6.1	6.9	9.83
368	38	40	9.62	41	43	10.00	6.4	6.6	9.61
369a	6.2	6.4	11.51	6.1	6.3	11.52	7.6		10.34
369b	6.5	6.7	11.76	6.4	6.6	11.76	7.2		10.04
370	58	60	11.17	5.8	6.0	11.28	7.5		10.27
369				5.1	5.3	10.75	6.6	6.8	9.76

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Rich Region Scuti Sob.

Scale M

Wednesday February 10, 1915 | Saturday Feb. 13, 15. Thursday Feb. 18, 1915

Mc 5592 Blue | Mc 5679 Blue. | Mc 5666 YELLOW

	sc.1	sc.2	Star	P.C.	sc.1	sc.2		sc.1	sc.2	
								1.4		10.20
3/1	5.6	5.8	11.00		5.6	5.8	11.13			
3/2	3.8	4.0	9.62		4.2	4.4	10.07	6.4	6.6	9.61
3/3	4.0	4.2	9.75		3.8	4.0	9.77	6.5	6.7	9.69
fr. 3/4	8.1			9.60	3.6	3.8	9.62	6.5	6.7	9.69
3/5	4.2	4.4	9.90		4.0	4.2	9.92			
3/6	6.6	6.8	11.84			12	12.28	1.2		10.04
3/7	5.6	5.8	11.00		5.6	5.8	11.13	1.1		10.42
3/8	3.7	3.9	9.55		3.6	3.8	9.62	1.3		10.13
3/9	4.8	5.0	10.32		4.8	5.0	10.~~35~~ 52	6.5	6.7	9.69
								1.3		10.13

Wednesday Feb. 10 1915.

3:10	245	4.6	4.8	10.16						
	254a	4.5	4.7	10.09 ~~10.32~~						
	254b	5.1	5.3	10.56		4.8	5.0	10.52	1.8	10.34
	254c	4.8	5.0	10.32		4.8	5.0	10.52	1.1	10.42
	256	4.6	4.8	10.16						
	232	4.7	4.9	10.24						

See p. 28 for reductions

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49h5phae.proj:unbco

Rich Region Scuhin Sob.

Salem Wednesday February 10, 1915.

MC 5592 See p. 6.

	sc.1	sc.2	sc.1	sc.2
1	Q.		4.0	4.2
2	Q.		5.4	5.6
2a	Q.			7.3
3	Q.		6.5	6.7
4	Q.		7.1	
5	2.9	3.1	7.6	
6	3.2	3.4	8.2	
7	3.6	3.8	8.5	
7a	8 4.0	4.2	8.9	
7b	4.1	4.9	9.6?	
8	3.5	3.7	8.8	
9	4.0	4.2	9.1	
10	5.2	5.4		
11	5.3	5.5 5.2 5.4	5.45	10
12	5.2	5.4 5.3 5.5	5.45	01
13	5.6	5.8		
14	6.2	6.4		
15	6.3	6.5		
16	6.8	7.0		
17		7.2		
18		7.6		

11·24

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Friday February 12, 1915.

Scale m Rich Region Sculptor Sob.

Mc 5619 Blue. For Reduction of nos. 41–245 inc.

Ref. Seq. for Cabinet Sh. pl.		sc.1	sc.2	sc.1	P.C. sc.2	P.C. sc.1	P.C. sc.2
	1				3.6 3.8	3.6 3.8	
	2	B.	B.		5.2 5.4	5.2 5.4	
	2a	B.	B.		7.1	7.1	
	3	B.	B.		6.5 6.7	6.5 6.7	
	4	B.	B.		7.1	7.3	
	5	2.6 2.8	2.6 2.8		7.6	7.7	
	6	2.9 3.1	3.0 3.2		7.8	8.1	
	7	3.4 3.6	3.5 3.7		8.6	8.6	
	7a	3.8 4.0	3.9 4.1		9.1	8.1	
	7b	4.3 4.5	4.5 4.7		~~8.8~~	7.	
	8	3.6 3.8	3.3 3.5		8.8	8.8 poor	
	9	3.6 3.8	3.7 3.9		9.2	9.2	
	10	4.8 5.0	5.0 5.2				
	11	4.8 5.0	5.1 5.3				
	12	5.2 5.4	5.1 5.3				
	13	5.3 5.5	5.5 5.7				
	14	5.8 6.0	5.8 6.0				
	15	6.5 6.7	6.4 6.6				
	16	6.1 6.9	6.3 6.8				
	17						
	18	7.5	~~7.~~	sc.2 7.6			

12 T

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Saturday February 13, 1915

Scale M. Rich Region Sculptor Sob.

MC 56.9 Blue. For Reduction of nos. 246 – 379.

	sc.1	sc.2	sc.1	P.C. sc.1	P.C. sc.2	G.C. sc.1	G.C. sc.2
1	B		B	3.8 4.0		3.6 3.8	
2	B		B	5.3 5.5		5.2 5.4	
2a	B.		B	1.3		1.2	
3	B		B	6.6 6.8		6.6 6.8	
4	B		B	1.4		1.3	
5	2.1 2.9		2.6 2.8	1.1		1.6	
6	3.0 3.2		3.0 3.2	8.2		8.0	
7	3.5 3.7		3.6 3.8	8.1		8.1	
7a 8	4.1 4.3		3.9 4.1	9.1		8.8	
7b 9	4.1 4.9		4.3 4.5	t.		.	
8	3.5 3.7		3.5 3.7	8.9		8.9	
9	3.6 3.8		3.6 3.8	t.p.		.	
10	5.1 5.3		4.9 5.1	n.s.		.	
11	5.2 5.4		5.0 5.2				
12	5.3 5.5		5.2 5.4				
13	5.6 5.8		5.3 5.5				
14	6.1 6.3		5.8 6.0				
15	6.4 6.6		6.2 6.4				
16	6.8 7.0		6.1 6.9				
17	7.1						
18	1.6		1.6				

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Thursday February 18, 1915

Scale m. Rich Regeon Sculptor Lot.

Mc 5666 YELLOW for Reduction of nos. 41-379.

Ref. Seq. for cubes			Remeasure end of seq.		Diff.	D.C.		Means	Diff.	This magn. Superseded See Sheets Magn. Star	P.C.	Mean
	xc.1	xc.2	xc.1	xc.2		xc.2	xc.2					
1	B.		B.			5.6	5.6	5.60 00				
2	B		B.			8.1	7.9	8.00 11	-1.11 .26		6.90	6.90
2a	2.3 25		B.	2.5 2	+4.86 .75	8.2	8.2	8.20 00	-0.84 .95	7.25 7.75	7.09	7.17
3	36 3.8		36	3.80 00	3.85 4.15	9.1	9.1	9.10 00	-1.26 1.15	7.95	7.88	7.92
4	4.4 4.6		4.0	4.40 22	3.78 3.93 3.59	9.8	9.1	9.75 01	-1.54 1.36	8.29	8.41	8.35
5	5.2 5.4		4.9 5.1	5.25 21	3.54 3.51 3.29	?	?			8.76		8.76
6	5.8 6.0		5.6 5.8	5.90 11	3.36 .18	n.s.				9.18		9.18
7	6.4 6.6		6.2 6.4	6.50 11	3.08	n.s.				9.58		9.58
7a		7.1	6.6 6.8	6.95 12	2.96 3.05					9.86		9.86
8	4.7 4.9		4.8 5.0	4.95 10	2.96 3.63	n.s.	?			8.59		8.59
7b		7.4	5.5	7.37.35 01	2.71					10.14		10.14
9	5.4 5.6		5.3	5.55 01	3.53	n.s.				8.97		8.97
10		7.7	7.6	7.65 10	2.63					10.33		10.33
11		7.6	7.6	7.60 00	2.79					10.30		
12		8.2	8.1	8.15 01	2.50					10.67		
13		8.5	8.5	8.50 00	2.48					10.95		
14		8.7	8.7	8.70 00	2.38					11.10		
15		8.6	8.7	8.65 01	2.43					11.06		
16		9.4	9.3	9.35 01	2.26					11.58		
17												
18		9.6	9.6	9.60 00	1.90					11.78		

CW

12:10

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Monday August 23, 1915

~~Monday August 30, 1915~~

Scale m Region near Sculum Sobieski.

9:28 Mc 6252 YELLOW ~~Mc 6252 Y~~

P.C. Sc. readings copied on half sheet and means and differences taken.

	sc.1	sc.2	sc.3
1	B		7.5
2	B.		7.6
2a	B.		8.3
3	B		8.1
4	4.9 4.7 5.3 5.1 5.10 ±2	~~7.8~~	9.8
5	t.p.		9.4
6	6.7 6.5 6.7 6.10 00		t.
7	7.4		
8	8.2		
9	8.4		
10	8.4		
11	7.6		
12	9.5		
12a	9.2		
13	8.1		
14	t.p.		
14a	9.1?		
14b	t.p.		
15	t.		
16			
16a			
17			
17a			
17b			
17bc			
18			

Mc 6252 ref. plate for Catalogue.

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1915phae.proj.10660

Monday August 23, 1915

Scale M. Region near Sept. 8 vt.

Mc 6252 YELLOW

19

20

21

22

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1915phae.proj.10660

Monday August 23, 1915 –

Monday August 30, 1915 –

Scale m Region near Scut S of YELLOW (

Mc 6252.

Mc 8302 Y (see page 55 for reduction)

		Star Im. sc.1	Star Im. sc.2	Magn.	P.C. — magn. sc.2		Star Im. sc.1	sc.2	Star Im.	P.C.	Diffr. g sc.1	sc.2	
	101				9.7?	8.25? 11.36?	fr	8.4		8.28	t.f.	g	
	102	t.f.			n.s.		fr	9.2		9.26	~~t.f.~~	8.8	8.85
Plate very badly scratched.	103						fr	t.f.					
	103a							6.8 10	11.16		n.s.		
	103b							6 6.8	11.08				
edge.	104	~~8.4~~	8.4	10.38			B				n.s.		
	104a		9.1	11.36				6.1 6.3	10.86		n.s.		
	105		scr.				v	9.2		9.26		8.9	8.95
	106		t.f.		n.s.			t.f.			n.s.		
	107		scr.				fr	8.1		8.64		8.5	8.57
	108		t.f.		n.s.			3.5 3.7 3.9			~~t.~~		
	109		7.7 poor	9.90	n.s.			3.9 4.1	9.70		n.s.		
	110				9.3	7.85 11.06	fr	7.6		7.58		6.8?	7.52?
	111		6.2	9.02	n.s.		fr	9.2		9.26		8.6	8.65
	112		7.5	9.77	n.s.		fr	9.8				9.5	9.59
	113	5.9 6.1		8.96	t.		fr	9.4				8.6	8.65
	114	5.6 5.8		8.80	t.		fr	9.1		9.14		8.6	8.65
	115				9.8	8.35 11.44	fr	8.6 ~~9.1~~		8.52		8.3 ~~8.6~~	8.42
	116	5.3 5.5		8.65	t.		fr	8.7		8.64		8.4	8.50
	117		7.3	9.64	n.s.		fr	9.1				t.f.	
	118	6.6 6.8		9.33	n.s.		B.					8.9	8.95
	119		7.2	9.59	n.s.		B					9.4	9.48
	120	5.6 5.8		8.80	t.		fr	8.9		8.87		8.6	8.65
	121		7.6	9.82	n.s.		fr	9.8?				t.f.	
	122	6.4 6.6		9.22	n.s.		fr	9.3		9.38		8.8	8.85
	123	6.6 6.8		9.33	n.s.		fr	9.6				def.	

(8302) Colour: P.C. is ~~t.~~ here or n.s. Star Im is measured. (B = star Im Bright – Pat. f. or n.s.)

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Monday August 23, 1915

Monday August 30, 1915

Scale M Region near Sept. Sat. YELLOW

MC 6252

Ref Letter No.		Star Im. sc.1	Star Im. sc.2	Magw.	O.C. — Magw. sc.2	O.C. — Magw.	Star Im or O.C. sc.1	Star Im or O.C. sc.2	Magw. Star	Magw. O.C.	Diffr. g sc.1	Diffr. g sc.2	Magw.
	~~124~~ 125	1.4		9.70	m.s.		fr 9.6					t.f.	9.48
	125	1.5		9.11	m.s.		3.1 3.9					9.4	9.48
	126	4.8 5.0		8.41	f.		fr 8.1			8.64		8.3	8.42
2a =	127				8.4	7.00	fr 6.2 6.4		~~0.90~~	6.80		5.1 5.3	6.82
	128	1.1		9.90	m.s.		4.3 4.5		9.94			m.s.	
	129	5.8 6.0		8.91	m.s.		fr 9.5					9.1	9.15
	130	6.4 6.6		9.22	m.s.		fr 9.2			9.26		t.f.	
badly scratched →	131				m.s.		B.					t.f.	
2a =	132				7.6	6.30	fr 5.5 5.7			6.41		3.7 3.9	6.85
1 =	133				7.2	5.96	fr 4.9			6.05		B.	
6 =	134	6.5 6.1		9.27	m.s.		fr 9.5					9.2	9.25
	135	1.4		9.10			4.2 4.4		9.88			t.f.	
	136				9.9	8.45	fr 8.5			8.40		8.1	8.29
	137	4.8 5.0		8.41	f.		fr 8.1			8.64		8.3	8.42
4 =	138				10.0	8.56	fr 8.6			8.52		8.4	8.50
	139	5.3 5.5		8.65	m.s.		fr 9.2			9.26		8.6	8.65
	140				7.8	6.47	fr 5.7 5.9			6.51		B.	
	141	5.7 5.9		8.86	m.s.		fr 9.5					9.2	9.25
	142	6.1 6.3		9.06	m.s.		B.					9.4	9.48
	143	6.2 6.4		9.12	m.s.		fr 9.7					9.3	9.36
	144	6.6 6.8		9.33	m.s.		3.6 3.8					9.3	9.36
	145	5.7 5.9		8.86			fr 9.3			9.38		8.9	8.95
	146		1.4	9.10			4.1 4.3		9.82			t.f.	
	147	4.7 4.9		8.37	f.		fr 8.9			8.87		t.f.	
	148				9.5	6.21	fr 5.4 5.6			6.36		B.	
	149	6.6 6.8		9.33	m.s.		fr 9.5					t.f.	

MC 8302

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1915phae.proj.10660

Monday August 23, 1915

Monday August 30, 1915

Scale M- Near Equat. Sct. YELLOW

	mc 6 2 5 2			mc 8 3 0 2			
			P.C. Magn.	Star Im. or P.C.	Star Im.	P.C.	Diffg.
	sc.1 sc.2	Magn.	sc.2	sc 1 sc 2		Magn.	sc 1 sc 2
150	4.9 4.7	8.37	f.	fr 8.6		8.52	8.4 8.50
151	5.8 5.6	8.80		fr 9.5			9.1 9.15
152	7.6	9.82		4.2 4.4	9.88		m.s.
153	6.9 6.7	9.40		fr 9.5			f.f.
154	7.5	9.77		4.2 4.4	9.88		sup.
155			9.6 8.15	fr 8.1		8.00	7.6 7.97
156	5.5 5.3	8.65		fr 8.9		8.87	8.1 8.75
157			9.9 8.45	fr 8.4 ~~8.28~~		8.28	7.9 8.15
158	7.6	9.82		f.f.			m.s.
159	5.5 5.3	8.65	m.s.	fr 9.1		9.14	8.1 8.75
160	6.6 6.4	9.22		fr 9.1			9.4 9.48
161	6.8 6.6	9.33		fr 9.1			f.f.
162	6.8 5.9	8.91		fr 9.4			f.f.
163			8.1 7.28	fr 7.5		7.51	6.8? 7.52?
164			8.3 6.90	fr 6.5 6.7		6.96	5.1 5.3 6.82
165	6.0 5.8	8.91		fr 9.4			9.2 9.25
166	7.9	9.64		fr f.f.			m.s.
167	5.6	8.71		fr 9.3		9.38	9.1 9.15
168	7.3	9.64		f.f.			m.s.
169	7.6	9.82		4.3? 4.5? poor	9.94?		m.s.
170	6.4 6.2	9.12		fr 9.4			
171	5.4 5.2	8.60		fr 9.1		9.14	8.1 8.15
172	* ~~7.6~~	~~9.82~~		fr 8.1		8.00	sup?
173			9.2 7.76	fr 7.6		7.58	f.f. (hazy)
174	7.4	9.70		f.f.			m.s.
175			7.8? poor 6.47?	fr 6.2 6.4		6.80	

O.C. too close to a star.

Remeas Apr. 26, '16.
36 7.6 certainly wrong
* "Reject." H.S.L. Apr. 27, '16.

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1915phae.proj.10660

Monday August 23, 1915

Scale M Near Scut. Sct. YELLOW

Mc6252

Ref. Seq. for centre		B.C.
	sc.1 sc.2	sc.2
1	B	7.3
2	B	7.5
2a	B.	8.3
3	B.	8.7
4	4.8 5.0	10.0
5	4.14.3	9.7?
6	6.5 6.7 6.6 6.65 10	
7	7.1	
8	8.1	
9	8.7	
10	8.2	
11	9.6	
12	9.6	
12a	9.3	
13	8.7	
14	9.8	
14a	t.f.	
14 b	10.1? ??	
15		
16		

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1915phae.proj.10660

Monday August 23, 1915.

Monday August 30. 1915.

Sc. M- Near & cut. Sat. YELLOW

		MC 6252				MC 8302			
				P.C.		Stellar Im. or D.C.			Diffg
		sc.1	sc.2	Magw.	sc.2	sc.1 sc.2	Stellar Im. Magw.	P.C. Magw.	sc.1 sc.2
	176	5.8 hom 60		8.91		fr 9.3	9	9.38	t.f.
Edge	177	6.1 68		9.06		t.f.	.		t.f.
	178	5.2 54		8.60	f.	fr 8.5?		8.40?	t.f.
	179	7.4		9.70		fr f		.	t.f.
?	180			.					
201	181	87?		10.60?		56 58	10.62		.
202	182	81? edge		10.14?		46 48	10.10		.
203	183	t.f.		.		58 hom 56	10.62		.
204	184	89?		10.75?		56 58	10.62		.
205	185	86? hom		10.52?		54 56	10.51		.
206	186	86		10.52		55 51	10.57		.
206a		98		11.44		77 ~~77~~ 77	11.~~70~~ 55		.
207	187	9.1		10.91		58 60	10.72		.
208	188	8.4		10.38		t.f.	.		.
209	189	9.1		10.91		6.1 63	10.86		.
210	190	t.f.		.		B	.		9.6? 9.70?
211	191	8.2		10.21		4.5 47	10.05		.
212	192	8.3		10.30		4.8 50	10.20		.
213	193	8.8		10.68		5.7 60	10.72		.
214	194	7.6		9.82		4.1 43	9.82		.
215	195	t.f.		.		4.2 44	9.88		.
216	196	t.f.		.		fr 9.5 ~~9.5~~	~~9.38~~	9.38	.
217	197	9.21		10.98		6.2 64	10.90		.
218	198	7.5		9.77		3.9 41	9.70		9.5 9.59
219	199	8.4		10.38		5.9 61	10.78		.
220	200	8.6		10.52		5.3 55	10.45		.
221	201	9.1		10.91		6.2 64	10.90		.

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1915phae.proj.10660

Monday August 23, 1915.

Monday August 30, 1915.

Scale m. Near Scut. Sat. YELLOW

	Mc 62521		Mc 83021		
			Star Im. vs P.C.		Diff. g -
	sc 2	Magn.	sc 1 sc 2	Star magns. P.C.	sc 1 sc 2
212a	9.6	11.29	6.5 6.7	11.04	
212b	9.6	11.29	6.7 6.9	11.12	
212c	9.4	11.14	6.6 6.8	11.08	
212d	9.4	11.14	6.6 6.8	11.08	
212e	9.1	10.91	5.9 6.1	10.78	
213	~~8.8~~				
214	~~7.6~~				
~~215~~					
~~216~~					
~~217~~					
~~218~~					
~~219~~					
~~220~~					
~~221~~					
222	8.1	10.60	5.9 6.1	10.78	
223	8.6	10.52	5.4 5.6	10.51	
223a	7.6	9.82	3.8 4.0	9.66	
224	7.3	9.64	3.6 3.8	9.54	
225	9.21	10.98	6.6 6.8	11.08	
226	7.3	9.64	9.8		9.5 9.59
227	8.6	10.52	5.5 5.1	10.51	
228	8.5	10.45	5.3 5.5	10.45	
229	8.4	10.38	4.9 5.1	10.25	
230	8.1	10.60	5.5 5.1	10.51	
231	8.4	10.38	5.0 5.2	10.31	
231a	9.3	11.06	5.9 6.1	10.78	

per frac. pag.

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1915phae.proj.10660

Monday August 23, 1915.

Monday August 30, 1915

Scale m- Near Scut. Sol. YELLOW

	Mc 6252				Mc 8302			
				P.C.	Star Im. or P.C.			~~P.C.~~ Diffr. g
	sc.1	sc.2	Magw.	sc.2	sc.1	sc.2	Star Im. magw.	sc.2 ~~sc.1~~
232	8.8		10.68		5.9	6.1	10.18	
233	8.5		10.45		4.9	5.1	10.25	
234	8.7		10.60		5.1	5.9	10.66	
235	7.9		10.03		4.5	4.7	10.05	
236	8.6		10.52		5.0	5.2	10.31	
237	6.4	6.9	9.70		fr 9.7			9.5 9.59
238	6.8	7.0	9.96		fr 9.4			9.1 9.15
239	8.6		10.52		5.1	5.3	10.34	
240	7.8		9.96		4.6	4.8	10.10	
241	8.1		10.14		4.6	4.8	10.10	+l.
242	7.5		9.77		4.0	4.2	9.77	
243	7.5		9.77		3.8	4.0	9.66	9.1 9.82
244	8.1		10.14		4.9	5.1	10.25	
245	8.3		10.30		5.2	5.4	10.41	
246	7.2		9.59		3.8	4.0	9.66	9.4 9.48
246a	9.2		10.98		6.4	6.6	11.00	
247	8.1		10.14		4.7	4.9	10.15	
248	8.4		10.38		5.1	5.3	10.34	
249	8.6		10.52		5.8	6.0	10.72	
250	8.4		10.38		5.2	5.4	10.41	
251	7.7		9.90		4.1	4.3	9.82	9.5 9.59
252	7.6		9.82		4.1	4.3	9.82	
reject. defect } 253	~~t.fr.~~		fr R					
254	7.4		9.10		4.2	4.4	9.88	
255	7.5		9.77		4.1	4.3	9.82	
256	8.1		10.14		4.7	4.9	10.15	

Rem 83. and unit to mea

Re 62

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1915phae.proj.10660

Monday August 23, 1915.

Monday August 30-1915—

Scale m Near Scut Sot. YELLOW

	MC 6252			P.C.	MC 8302			Diffr. g	
	sc.1	sc.2	Magw.		sc.1 sc.2	Magw. Star	P.C. Magw.	sc.2	
257	8.1		10.14		4 3.9 5.1	10.25			
258	8.1		10.14		4.8 5.0	10.20			
259	8.5		10.45		5.9 6.1	10.78			
260	7.1		9.90		4.5 4.1	10.05			
261	7.6		9.82		4.5 4.1	10.05			
262	7.5		9.77		4.1 4.3	9.82			
263a ~~263~~	7.6		9.82		4.2 4.4	9.88			
264	8.6		10.52		t.p.	q			
265	8.3		10.30		t.5 6? 5.8?	10.62? q			
265a	8.2		10.21		t.p.				
266	8.2		10.21		5.1 5.3	10.34			
267	8.3		10.30		4.9 5.1 5.3	10.34			
268	8.1		10.60		5.8 6.0	10.72			
269	8.5		10.45		5.6 5.8	10.62			
270	8.2		10.21		4.9 5.1	10.25			
271	7.1		9.90		4.5 4.1	10.05			
272	6.6 6.8		9.33		3.9 4.1	9.70		9.4	9.48
273	8.1		10.14		4.8 5.0	10.20			
274	6.5 6.7		9.27		3.6 3.8	9.54		9.3?	9.36?
t.p. 275	5.1? 5.3?		8.55? q		t.p. 8.1		8.64	t.p.	
276	8.3		10.30		5.2 5.4	10.41			
277	7.1		9.90		4.1 4.9	10.15			
278	7.9		10.03		t.p.	q			
279	7.5		~~9.77~~ rej.		5.2 ? Edge 5.4?	10.41 Edge			
280	7.9		10.03		4.8 5.0	10.20			
~~281~~	4.8		9.96		5.1 5.3	10.34			

Remeas. Apr. 26, '16. 8.3. 7.5 certainly wrong. And assuming wrong unit, 8.5 appears too faint. Measure on 8202 is correct

Remeas. Apr. 26, '16. 6252 7.9 8302 4.9

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1915phae.proj.10660

Monday August 23, 1915.

Monday August 30, 1915.

Scale M. Near Scat. Sol. - YELLOW

	MC 6252			MC 8302			
				Star Im or P.C.			Diffs. 9
	sc.1	sc.2	Magn.	sc.1	sc.2	Magn.	P.C. sc.2
282	8.4		10.38	5.4	5.6	10.51	
283	8.2		10.21	5.1	5.3	10.34	
284	8.6		10.52	6.1	6.3	10.86	
285	8.1		10.14	t.h.		9	
286	8.2		10.21	t.h.		9	
287	7.3		9.64	t.h.		9	
288	7.7		9.90	5.1	5.3	10.34	
289	7.9		10.03	5.1	5.3	10.34	
290	7.6		9.82	4.5	4.7	10.05	
290a	9.1		10.91	6.7	6.9	11.12	
291	8.4		10.38	t.h.		9	
292	8.7		10.60	6.5	6.7	11.04	
293	7.5		9.77	4.1	4.3	9.82	
294	5.5	5.7	8.74	t.h.	8.6		8.52 t.h.
295	7.8		9.96	t.h.		9	
296	8.2		10.21	t.h.		9	
297	7.5		9.77	t.h.		9	
141a				5.4	5.6	10.51	
139a				5.8	6.0	10.72	
152a				5.4	5.6	10.51	
170a				4.6	4.8	10.10	
240a				5.6	5.8	10.62	
206a				7.6	##	11.48	
219a				5.8	6.0	10.72	
227a				5.7	5.9	10.66	
261a				5.8	6.0	10.72	
240a				5.5	5.7	10.57	
263				5.2	5.4	10.41	
152a				5.6	5.8	10.62	

Remeas. Apr. 26, 16
6252 8302
78 49

12:35-

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1915phae.proj.10660

Monday August 23, 1915

Salem - Near Scut. Sct. YELLOW

MC 62521

		P.C.
	sc.1 sc.2	sc.2
1	B.	1.3
2	B	1.6
2a	B	8.4
3	B	8.8
4	4.6 4.8	1.
5	4.2 4.4	9.8
6	6.5 6.7 6.1 6.70 00	
7	7.3	
8	8.2	
9	8.4	
10	8.3	
11	1.5	
12	9.1	
12a	9.3	
13	8.1	
14	10.0	
14a	9.1?	
14b	1.	
15	4.	

11:37

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Tuesday August 24, 1915

Scale M- | Near Scut. Sat.

9:35 | MC 8601 | Blue.

Ref. Seq. | C.C. 11:05 | P.C. | Diff. Im. "g"

Magn.	Diff. from adopted magns.	No.	C.C. sc.1 sc.2 sc.1	Mean		P.C. sc.2 sc.1 sc.1	Mean		Magn.		Diff. Im. sc.1 sc.1 sc.1	Mean		Diff.	Magn.
		1	B B			38 36 37 / 36 34 35	3.70	110		+2.32	3.8 B 3.8 / 36 36	3.80	0 . 0	+2.22	6.53
		2	B B			48 49 49 / 46 47 47	4.87	100	6.60	1.76	42 43 43 / 40 41 41	4.27	1 0 0	2.36	6.53
		2a	B B			53 54 53 / 51 52 51	5.33	010	6.86	1.44	46 B 46 / 44 44	4.60	0 . 0	2.17	6.77
		3	B B			6.3 6.0 6.3 / 6.1 5.8 5.8 6.1	6.20	1 2	7.46	1.32	57 56 57 / 55 54 55	5.67	1 . 1	1.85	7.50
		4	B. 46			74 75 75	7.47	100	8.47	0.97	6.9 7.0 7.1 / 6.7 6.8 6.9	7.00	1 0 1	1.44	8.46
		5	B B	mean		7.8 7.7 7.7	7.73	100	8.69	1.05	7.2 7.2 7.1	7.17	0 0 1	1.61	8.60
		6	B. B			sup? 8.5? 8.6	8.55?	R 10	9.40	0.78	8.1 8.1 8.1	8.10	0 0 0	1.23	9.40
~~10.49~~ ~~11.24~~	+6.01	7	39 38 / 37 36	3.85	10	9.1 8.8 9.1	9.00	1 2 1	9.86	0.86	8.6 8.6 8.5	8.57	0 0 1	1.29	9.85
10.52	5.64	8	48 49 50 / 46 47 48	4.90	101	9.5 9.7 9.7	9.63	111	10.54	0.91	9.1 9.1 8.8	9.00	1 1 2	1.54	10.34
10.57	5.67	9	48 50 51 / 46 48 49	4.97	201	f.p. 9.7 f.p.	. . .			.	9.2 9.2 9.2	9.20	0 0 0	1.44	10.57
10.78	5.44	10	53 53 53 / 51 51 51	5.30	000	9.8? f. 9.8	9.80?	0 . 0	10.74	0.94?	9.3 9.3 9.4	9.33	0 0 1	1.41	10.73
10.82	5.53	11	53 55 53 / 51 53 51	5.37	111	f. f	. .				9.4 9.7 .	9.55	2 1 .	1.35	10.99
10.45	5.02	12	63 6.25 64 63 / 6.1 6.2 6.2 6.1	6.32	07 08 02	m.s.	.				f. f. .		. . .		
12.68	5.10	12a	7.6 7.6 7.6	7.60	000										
11.95	5.18	13	6.9 7.0 6.9 6.7 / 6.7 7.1 6.7 6.6 6.9	6.88	12 13 02										
12.68	4.98	14	7.6 7.7 7.5	7.60	0 1 1										
12.13	5.05	14a	6.9 7.0 / 6.7 7.1 7.1 7.1 6.8	7.07	07 03 03										
12.86	5.03	14b	7.8 7.8 7.7	7.77	0 0 1										
12.86	5.11	15	7.8 7.7 7.8	7.77	0 1 0										
13.30	5.38	16	8.2 8.1 8.2	8.17	0 1 0										
13.34	5.10	16a	8.2 8.2 8.2	8.20	000										
13.84	5.23	17	8.6 8.7 8.6	8.63	0 1 0										
13.45	5.15	17a	8.3 8.4 8.2	8.30	0 1 1										
13.73	5.04	17b	8.6 8.5 8.5	8.53	1 0 0										
14.88	5.52	17c	9.5 9.5 9.5	9.50	0 0 0										
.		18	Ser. Ser. .												
15.13	5.32	19	9.7 9.7	9.70	0 0 .										

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1915phae.proj.10660

1915phae.proj.10660

Tuesday August 24, 1915

Scale m Near Scut. Sol.

MC 8601 Blue

Nyn.

20	f
21	f
22	m.s.
23	m.s..
24	

.653
.553
.77
.750
8.46
8.60
9.[illegible]
985
10.34
10.57
10.73
1099

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1915phae.proj.10660

Tuesday August 24, 1915.

Wednesday August 25, 1915

Scale M Near Cent Sol. (For Reduction see P. 52-54)

MC8601 Blue - 10m MC8304 Blue 50m

	Star Im or P.C.	magn.	Diff Im.	magn.	Star Im or P.C.	magn.	Diff Im.	magn.
	acc. acc.		g		acc. acc.		acc. acc.	
fr 101	7.6	8.58 ~~9.94~~	t.f.		fr 6.3 6.5	8.32	t.f.	
fr 102	8.1 ~~7.2~~	8.99	~~t.f.~~ 7.5	8.81	fr 7.5 3	9.10	t.f.	
fr 103	8.9 1.?	9.96?	t.f. ~~9.7~~		B		t.f.	
103a	6.3 6.5	11.60	n.s.		7.1 7.9	11.16	t.f.	
103b	5.3 5.5	10.91	t.		B		t.f.	
fr 104	9.2	10.07	t.f.		fr 8.3 ? from	10.25?	t.f.	
fr 104a	9.1	10.63	t.f.		fr 9.1 poor		t.f.	
fr 105	8.4	9.26	t.f.		fr Sat.		6.5 6.7	9.29
fr 106	8.1	9.54	sup.		fr 8.2?	10.12?	t.f.	
fr 107	8.8	9.64			fr 8.2?	10.12	t.f.	
fr 108	8.6	9.44	t.f.		fr 7.6	9.42	t.f.	
fr 109	8.9	9.75	t.f.		fr t.f.		t.f.	Im too bri.
fr 110	6.5 6.7	7.81	5.1 5.9	7.65	fr 5.5 5.7	7.65	4.8 5.0	7.96
f.c. sup? fr 111	~~t.f.~~		8.4	9.69	fr 8.1 from	10.00	7.4	9.82
fr 112	3.8 ~~t.f.~~	9.83	8.5	9.78	fr 7.8	9.66	t.f.	
f.c. poor 113	B		8.4	9.69	fr def		7.1	9.59
fr 114	8.4	9.26	7.8	9.14	fr 7.2	9.00	6.6 6.8	9.37
fr 115	7.6	8.58	7.3	8.71	fr 6.5 6.7	8.51	5.9 6.1	8.84
fr 116	8.6	9.44	8.1	9.40	fr 7.7	9.54	6.6 6.8	9.37
fr 117	8.6	9.44	8.2	9.50	fr 8.1	10.00	t.f.	
fr 118	9.4	10.29	8.9	10.23	~~fr~~ B.		t.f.	
f.c. t.f. 119	B		8.1	9.40	fr 7.7	9.54	t.f.	
fr 120	8.9?	9.54?	8.3	9.60	fr t.f.		7.4	9.82
fr 121	9.1	9.96	8.5	9.78	B		7.6	10.00
fr 122	9.3	10.18	8.8	10.12	B		t.f.	
fr 123	8.2	9.08	7.6	8.96	fr 7.6	9.42	t.f.	

On this plate I mi are very poor near Edges

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Tuesday August 24, 1915 — Wednesday August 25, 1915

Scale M — Near Cent. Sol.

	MC 8601 Blue				MC 8304 Blue 50m			
	Star Im or P.C.		Diffr Im g.		Star or P.C.		Diffr Im.	
	sc.1 sc.2	Magw.	sc.1 sc.2	Magw.	sc.1 sc.2	Magw.	sc.1 sc.2	Magw.
124	3.9 4.1	10.00	8.5	9.78	B.	.	1.7? v.p.	9.74?
fr 125	8.8	9.64	8.4	9.69	3.1 3.3	.	1.2	9.67
fr 126	9.1	9.96	8.6	9.89	fr 8.1	10.00	1.6	10.00
2a = fr 124	5.1 5.3	6.84	4.5 4.7	6.83	fr 4.1 4.3	6.74	B.	.
fr 128	9.3	10.18	t.f.	.	B.	.	1.3 poor	9.74? 8
fr 129	9.1	9.96	8.6	9.89	fr t.f.	.	1.3	9.74
fr 130	9.1	9.96	8.4	9.69	fr 8.1	10.00	1.4	9.821
scratched fr 131	8.8?	9.64?	.	.	fr 1.8	9.66	t.f.	.
2 = fr 132	4.7 4.9	6.62	4.1 4.3	6.55	fr 3.8 4.0	6.54	B.	.
1 = fr 133	3.6 3.8	6.03	B.	.	B.	.	B.	.
6 = fr 134	8.5	9.35	8.1	9.40	fr 1.2	9.00	6.7 6.9	9.44
Remeas Apr 26, '16. P.C. 93 accidental error. Prev. Diff 8.5 meas P.C. 8.4 fr 135	9.6	10.51	8.6	9.89	fr 8.4	10.37	t.f.	.
fr 136	1.5	8.50	1.3	8.71	fr 6.5 6.7	8.51	5.8 6.0	8.76
fr 137	8.6	9.44	8.1	9.40	fr 1.6	9.42	6.7? 6.9? v. poor	9.44?
4 = fr 138	1.5	8.50	6.6 6.8	8.31	fr 6.2 6.4	8.213	5.5 5.7	8.53
fr 139	9.1	9.96	8.6	9.89	B.	.	1.4	9.821
fr 140	4.9 5.1	6.73	4.2 4.4	6.62	fr 4.1 4.3	6.74	B.	.
fr. 141	8.1	9.54	8.3	9.60	fr 1.8?	9.66?	1.3?	9.74?
fr 142	8.2?	9.08?	1.6	8.96	fr 1.6.	9.42	t.f.	.
fr C from 143	4.6 4.8	10.46	8.8 8.8	10.12	fr 8.8	10.88	t.f.	.
" " 144	B	.	8.4	9.69	fr 1.9	9.77	1.1	9.59
fr 145	9.4	10.29	8.6	9.89	fr 8.6	10.63	t.f.	.
fr C. scratched 146	3.7 3.9	9.89	8.5	9.78	fr 1.9	9.77	t.f.	.
near edge. fr 147	8.4	9.26	t.f.	.	fr 1.5	9.31	t.f.	.
fr 148	4.1 4.3	6.30	B	.	fr 3.4 3.6	6.27	B	.
fr 149	8.6	9.44	8.3	9.60	fr 1.6	9.42	t.f.	.

near edges of plate, diffr. Ims appear out of focus.

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Tuesday August 24, 1915. Wednesday August 25

Scale M Near Sect. Sot.

MC 8601 Blue — MC 8304 Blue 50m

	Star Im. on P.C. sc.1 sc.2	Mag.w.	Diff. Im. g. sc.1 sc.2	Mag.w.	Star on P.C. sc.1 sc.2	Mag.w.	Diff. Im. g. sc.1 sc.2	Mag.w.
fr 150	7.1	8.66	7.1	8.54	fr 7.1	8.90	t.f.	.
fr 151	8.3	9.17	7.7	9.05	fr 7.3	9.10	6.6	9.21.
fr 152	9.4	10.29	8.1	10.00	fr 8.3	10.25	t.f.	.
fr 153	8.1	9.54	8.5	9.78	fr 8.1	10.00	7.4	9.82
fr 154	9.1	9.96	8.6	9.89	fr 8.1	10.00	7.5	9.91
fr 155	8.2	9.08	7.7	9.05	fr 7.1	8.90	6.2 6.4	9.06
fr 156	9.4	10.29	8.1	10.00	fr 8.4	10.37	7.6	10.00
fr 157	7.8	8.74	7.1	8.54	fr 6.6 6.8	8.60	5.8 6.0	8.76
158	4.3 4.5	10.26	t.f.	.	fr 8.3	10.25	t.f.	.
fr 159	8.1	9.54	8.3	9.60	fr. 8.1	10.00	t.f.	.
fr 160	9.3	10.18	8.9	10.23	fr 8.3	10.25	t.f.	.
fr 161	8.8 9.1	9.64	8.4	9.69	fr 7.9	9.11	7.2	9.67
fr 162	8.1	9.54	8.3	9.60	fr 7.6	9.42	t.f.	.
3 = fr 163	5.9 6.1	7.39	5.5 5.7	7.52	fr 5.3 5.5	7.51	4.4 4.6	7.61
fr 164	6.2	7.46	5.4	7.32	fr 5.5 5.7	7.65	4.1 4.3	7.36
fr 165	9.4	10.29	t.f.	.	fr 8.3	10.25	t.f.	.
P.C. t.f. Im. Scratched 166	.	.	?	.	fr nearly exp.	R	t.f.	.
fr 167	9.5	10.40	t.f.	.	fr 8.2	10.12	t.f.	.
168	5.0 5.2	10.71	9.5?	10.93?	fr 8.1	10.76	t.f.	.
fr 169	9.4	10.29	8.1	10.00	fr 8.3	10.25	t.f.	.
170	4.8 5.0	10.59 ~~6.69~~	t.f.	.	fr 8.1	10.76	t.f.	.
fr 171	8.6	9.44 ~~8.99~~	8.2	9.50	fr 7.6	9.42	t.f.	.
fr 172	7.1	8.18	6.4 6.6	8.15	fr 6.3 6.5	8.32	t.f.	.
fr 173	6.5 6.7	7.87	5.8 6.0	7.72	fr 5.7 5.9	7.80	t.f.	.
P.C. t.f. 174	4.5 4.7	10.40	t.f.	.	fr 8.3	10.25	t.f.	.
fr 175	5.5 5.7	7.10	R	.	fr 5.0 5.2	7.32	t.f.	.

Ref leg measured on P. 42 — after finishing fr. 46 to MC 8601, MC 8304

Rejec 2001 wron Certa Meas

Rem Star Star Err

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Tuesday August 24, 1915

Scale m Near Scut. Sob.

	MC8601 Blue – Star Im. on P.C. sc.1	sc.2	Magw.	Diff. Im. sc.1	sc.2	Magw.	MC8304 Blue 50" Star Im. on P.C. sc.1	sc.2	Magw.	Diff. Im. sc.1	sc.2	Magw.
fr 176	9.3		10.18	8.5		9.78	fr 8.2		10.12	t.f.		
fr 177	8.3 ~~4.9~~		9.17	1.8 5		8.87	fr 7.6		9.42	t.f.		
fr 178	7.9		8.82	7.3		8.71	fr ~~4.5~~		sup on diff Im. R	t.f.		
fr 179	9.4		10.29	9.1		10.46	fr 8.6		10.63	t.f.		
Reject meas of fr 201 on MC8601 wrong star? Certainly wrong meaeus Meas. on 8304 is correct	~~8.1~~	8.99	~~8.99~~	~~7.4~~		8.80	4.9 5.1		11.32	t.f.		
202	5.1 5.9	11.16	~~7.24~~	t.		.	5.1 5.3		11.50	8.5	11.00 4	
203	5.1 5.3	10.78	~~6.84~~	t.f.		.	fr 8.1		10.76	t.f.		
204	5.3 5.5	10.91	~~6.97~~	9.4		10.80	4.2 4.4		10.74	8.2		10.67
205	5.3 5.5	10.91	~~6.97~~	9.3		10.69	4.3 4.5		10.83	t.f.		
206	5.8 6.0	11.22	~~7.01~~	t.	t.	.	5.1 5.3		11.50	8.6?		11.17?
206a	7.6	12.68	~~8.59~~	.		.	6.6 6.8		12.80	m.s.		
207	5.1 5.9	11.16	~~7.24~~	.		.	4.5 4.7		10.99	t.f.		
fr 208	10.0?	10.96?	~~10.96?~~	9.3		10.69	3.1 3.9		10.34	t.f.		
209	5.5 5.7	11.03	~~7.10~~	9.4		10.80	fr 8.6		10.63	t.f.		
210	5.5 5.7	11.03	~~7.10~~	t.f.		.	fr 9.3		.	t.f.		
P.C. sup? 211	4.8 5.0	10.59	~~6.67~~	nearly sup.		.	B.		.	7.5		9.91
212	5.8 6.0	11.22	~~7.31~~	t. ~~m.s.~~		.	fr 9.2		.	8.6		11.17
see p. 48 → 213	6.8 7.0	12.07	~~8.11~~	.		.	5.8 6.0		12.10	t.f.		
fr 214	9.1	9.96 ~~11.39~~	9.96	8.5		9.78	fr 8.1		10.00	7.4		9.82
fr 215	9.3	10.18 ~~11.61~~	10.18	8.6		9.89	fr 8.2		10.12	t.f.		
P.C. sup 216	4.3 4.5	10.26	~~6.40~~	8.3		9.60	fr 8.3		10.25	t.f.		
Re meas. apr 26.16 Star Im. = 3.9 Diff. = 8.4 Star near edge Error accidental 217	6.5 6.7	11.78		m.s.		.	5.9 5.9		12.02	t.f.		
218	4.7 4.9	10.52		9.2		10.57	fr 8 prong unit. 7.6		~~9.42~~ 10.63 ~~11.17~~	8 prong unit. 7.2		~~9.67~~ 10.67 ~~11.17~~
219	6.2 6.4	11.51		m.s.		.	5.4 5.4		11.58	t.f.		
220	5.5 5.7	11.03		9.5		10.93	4.6 4.8		11.08	t.f.		

8601
8304

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Scale m. Near Scut Sof.

	MC 8601 Blue.			MC 8304 - Blue			
Star	Dm. or P.C. sc.1 sc.2	magn.	Diff. Dm sc.1 sc.2	magn.	Star Dm. or P.C. sc.1 sc.2	magn.	Diff. Dm sc.1 sc.2	magn.
212a	6.2 6.4	11.51	7.5 5.	·	5.2 5.4	11.58	t.f.	·
212b	6.1 6.3	11.43	9.8	11.28?	5.2 5.4	11.58	t.f.	·
212c	6.4 6.6	11.70	5.	·	5.6 5.8	11.93	t.f.	·
212d	5.7 5.9	11.16	9.6	11.05	fr 9.5	·	8.6	11.17
212e	5.6 5.8	11.10	9.5	10.93	4.8 5.0	11.23	8.2	10.61
212f	6.1 6.3	11.43	·	·	4.8? 5.0?	11.23?	t.f.	·
212g	6.9	11.97	·	·	5.6 5.8	11.93	t.f.	·
fr 213	9.1	10.63	9.3	10.69	4.2 4.4	10.74	t.f.	·
213a	5.5 5.7	11.03	7.	·	4.3 4.5	10.83	t.f.	·
(fr. C. v. large.) 214	B.	·	8.6	9.89	fr 11	9.54	7.4	9.82
215	6.1 6.3	11.43	·	·	5.3 5.5?	11.61?	8.6?	11.17?
fr 216	8.1	9.54	8.4	9.69	fr 8.1	10.00	7.4	9.82
217	6.1	11.29	·	·	5.1 5.3	11.50	t.f.	·
218	5.9 6.1	11.29	·	·	5.2 5.4	11.58	~~8.6~~ too faint. est.	
219	5.1 5.3	10.78	9.4	10.80	4.4 4.6	10.90	8.5	11.00 4
220	5.3 5.5	10.91	9.6	11.05	4.4 4.6	10.90	sup?	·
221	6.1 6.3	11.43	·	·	5.1 5.3	11.50	t.f.	·
221a	5.5 5.7	11.03	9.4	10.80	4.9 5.1	11.32	t.f.	·
222	5.6 5.8	11.10	9.8	11.28	4.9 5.1	11.32	8.5	11.00 4
223	5.8 6.0	11.22	·	·	4.9 5.1	11.32	t.f.	·
224	5.6 5.8	11.10	·	·	4.8 5.0	11.23	t.f.	·
225	5.5 5.7	11.03	9.8	11.28	4.8 5.0	11.23	8.4	10.88 92
226	6.1 6.9	11.97	·	·	5.6 5.8	11.93	t.f.	·
fr C too faint 227	B.	·	8.1	10.00	fr 8.1	10.00	t.f.	·
fr 228	9.4	10.29	t.f.	·	fr 8.3	10.25	7.6	10.00
229	5.7 5.9	11.16	5.	·	fr 9.2	·	8.6	11.17

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Tuesday August 24, 1915 — Wednesday August 25, 1915

Scale m. — Near Sect. Sol. — Near Sect Sol.

mc8601 Blue. — mc8304 Blue 50

	Star Im. or PC.			Diffr Im.			Star or PC.			Diffr Im.		
	sc.1	sc.2	magw.	sc.1	sc.2	magw.	sc.1	sc.2	magw.	sc.1	sc.2	magw.
240	5.5	5.1	11.03	10.0?			fr 9.1			8.5		11.00
241	5.8	6.0	11.22	f.			fr 9.5			8.6		11.17
242	5.3	5.5	10.91	9.6		11.05	fr 9.2			8.4		10.88
243	4.1	4.3	10.13	8.1		10.00	fr 8.3		10.25	7.7		10.10
244	5.1	5.3	10.78	9.3		10.69	4.2	4.4	10.74	8.4		10.88
245	5.1	5.9	11.16	9.9?			fr 9.1			8.4 from		10.88 g
246	5.4	5.6	10.97	f.f.			4.6	4.6	11.08	8.4		10.88
246a	6.5	6.7	11.78				5.6	5.8	11.93	f.f.		
247	5.8	6.0	11.22				5.1	5.3	11.50	f.f.		
248	6.3	6.5	11.60				5.3	5.5	11.67	f.f.		
249	5.6	5.8	11.10				4.4	4.6	10.90	f.f.		
250	5.8	6.0	11.22				4.6	4.8	11.08	f.f.		
fr 251	9.3		10.18	8.6		9.89	fr 8.4		10.37	f.f.		
fr 252	9.1		9.96	8.5		9.78	fr 8.1		10.00	f.f.		
frot a fr 253 (defect selected on pl.)	~~9.1~~ w.s		R	~~8.4~~ w.s.		R	R			R		R
254	5.2	5.4	10.84	9.6		11.05	4.4	4.6	10.90	f.f.		
fr 255	9.2		10.07	8.5		9.78	fr 8.3		10.25	7.5		9.91
fr 256	9.3		10.18	8.1		10.00	3.7?	3.9?	10.34?	7.6? from		10.00? g
257	5.6	5.8	11.10	9.1		11.17	4.5	4.7	10.99	f.f.		
258	5.5	5.7	11.03	f?			f.f.			f.f.		
259	5.4	5.6	10.97	9.4?	from	10.80? g	f.f.			f.f.		
260	5.1	5.3	10.78	9.3		10.69	B.			f.f.		
fr 261	10.0		10.96	9.4		10.80	4.2	4.4	10.74	f.f.		
fr.c.poor 262	4.1	4.3	10.13	8.6		9.89	fr 8.1		10.00	7.4		9.82
263a ~~263~~	5.9	6.1	11.29				fr 9.3			8.5?		11.00?
264	5.5	5.7	11.03	9.1		11.17	fr 9.3			f.f.		

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Tuesday August 25th, 1915 — Wednesday August 25, 1915.

Scale m. — Near Scut Sat.

		MC 8601 Blue			MC 8304 Blue 50m exp.		
		Star Im. of P.C.	Diffr. Im. g.		Star on P.C.	Diffr. Im.	
		sc.1 sc.2	Magw.	sc.1 sc.2	Magw.	sc.1 sc.2	Magw.
Remeas. Apr. 26, '16. wr. unit should be 49	265	5.9 6+ 5.1	10.64 / 11.29	t.p.	B.	7.6?	10.00?
	265a	4.9 5.1	10.64	t.p.	B.	t.p.	
	266	5.9 6.1	11.29	9.8	11.38	4.8 5.0	11.23	B.	
	267	6.1 5.3	10.78		fr 8.7	10.76	8.2	10.67
	268	5.5 5.1	11.03	t.p.	fr 9.5		t.p.	
	269	5.3 5.5	10.91	9.6	11.05	fr 9.1		8.3	10.80
	270	4.8 5.0	10.59	def?		fr 8.6	10.63	B. t.p.	
	271	5.9 6.1	11.29			fr 9.3		t.p.	
	272	4.6 4.8	10.46	9.2	10.57	fr 8.6	10.63	7.9	10.31
	273	6.5 6.7	11.78			5.5 5.7	11.85	t.p.	
	274	4.9 5.0	10.59	t.p.		4.2 4.4	10.74	t.p.	
fr	275	7.9	8.82	7.1	8.54	fr 7.1	8.90	t.p.	
	276	6.1 6.3	11.43			5.3 5.5	11.67	m.s.	
	277	5.1 5.3	10.78	9.6	11.05	fr 9.3		8.4	10.88 (9.2)
	278	5.5 5.7	11.03			t.p.		t.p.	
	279	5.9 6.1	11.29			4.7 4.9	11.16	t.p.	
	280	6.2 6.4	11.51			5.1 5.3	11.50	t.p.	
	281	6.1 6.3	11.43			5.1 5.3	11.50	t.p.	
	282	5.9 6.1	11.29			5.0 5.2	11.41	t.p.	
fr	283	9.6	10.51	9.2	10.57	fr 8.3	10.25	t.p.	
	284	6.4 6.6	11.70			5.1 5.3	11.50	t.p.	
	285	5.9 6.1	11.29			fr 9.6			
	286	5.7 5.9	11.16			fr 9.4			
	287	5.4 5.6	10.97	t.p.		fr 9.2			
	288	5.6 5.8	11.10			t.p.		t.p.	
	289	5.5 5.7	11.03	9.4?	10.80?	fr 9.1		t.p.	

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Tuesday August 24, 1915 Wednesday August 25, 1915.

Scale m Near Sept. Sol.

		Mc 8601 Blue		Diff. g.		Mc 8304 Blue.		Diff. Im.	
		sc.1 sc.2		sc.1 sc.2		sc.1 sc.2	Magn.	sc.2	
	290	4.1 4.9	10.52	9.1	10.46	B.	.	t.f.	
	290a	6.0 6.2	11.36	.	.	5.0 5.2	11.41 ~~8.13~~	t.f.	
	291	5.6 5.8	11.10	.	.	fr 9.1?	.	.	
	292	6.8 7.0	12.01			(292) 5.3 5.5	11.69	t.f.	
	293	4.5 4.1	10.40	t.f.	.	fr 8.4	10.37	t.f.	
fr	294	7.1	8.66	7.3	8.71	fr nearly extr.	.	t.f.	
Edge.	295	5.9 6.1	~~11.29~~	.	.	t.f.	.	t.f.	
	296	4.8 5.0	10.59	t.f.	.	fr 8.1	10.76	t.f.	
	297	5.1 5.3	10.78	t.f.	.	fr def?	.	.	
Stars selected			.						
on blue pl.	126a	5.6 5.8	11.10	9.6	11.05	fr 9.3	.	8.4	10.88 92
	139a	5.1 5.3	10.78	t.f.	.	4.2 4.4	10.74	.	.
	141a	5.6 5.8	11.10	9.9	.	fr 9.2	.	.	.
	152a	5.2 5.4	10.84	9.6	11.05	4.1 4.3	10.66	t.f.	.
	170a	5.1 5.3	10.78	9.5	10.93	B.	.	t.f.	.
	219a	5.3 5.5	10.91	9.3	10.69	fr 9.1	.	t.f.	.
263	~~263a~~	4.8 5.0	10.59	8.8	10.12	B.	.	7.7	10.10
Edge	227a	4.8 5.0	10.59	t.f.	.	4.1 4.3	10.66	7.6	10.00
	261a	5.6 5.8	11.10	9.4	10.80	4.8 5.0	11.23	t.f.	.
	240a					B.	.	t.f.	.

1:18.

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1915phae.proj.10660

Wednesday August 25, 1915.

Scale m

Near Scout Sob. Measures of Ref Sq. for Reductions of MC8304-

9 8:45 MC8304- Blue- (50 cm eqh.) For pp. 44 - 51

D.C.

	sc.1	sc.2	sc.1	sc.1	Mean	Diff. fr. adopted	Magn.
1				3.3 3.3 3.1 3.2	3.21 0 0 1	+2.75	
2				4.1 4.0 3.8 4.0	4.03 1 00	2.60	656
2a				4.3 4.4 4.1 4.2	4.35 1 0 .	2.42	677
3				5.6 5.5 5.3 5.5 5.7	5.60 0 1 1	1.92	7.59
4				6.3 6.3 6.1 6.3 6.5	6.37 1 1 1	2.07	820
5				7.0 sc.? 7.1 sc.? 7.1	7.07 1 00	1.71	887
6			Diff.	Magn. 7.3 7.3 7.4	7.33 1 1 0	2.00	9.14
7	B.	B.	B.		8.1? t.f. 7.8?	8.05? 1 q 0	1.81?	9.94?
8	4.0 3.8	4.0 3.8	4.1 3.9	4.03 001	6.51 ~~4.52~~	10.44	8.5 8.4 t.f.	8.45 1 0 .	2.09	10.44?
9	4.1 3.9	4.1 3.9	4.3 4.1	4.17 1 1 1	6.47	10.55	8.1? t.f. 8.5	8.60? 1 . 1	2.04?	10.63?
10	4.3 4.1	B.	4.5 4.3	4.40 1 . 1	6.34	10.74	8.7 8.6 8.7	8.67 0 1 0	2.07	10.72
11	4.6 4.4	5.0 4.8	4.5 4.3	4.70 1 3 2	6.20	10.99	t.f. t.f. t.f.	. . .	.
12	5.4 5.2	5.3 5.1	5.3 5.1	5.33 1 00	6.01	11.53	t.f. t.f.	. .	.
12a	6.7 6.5	6.5 6.3	6.6 6.4	6.60 1 1 0	6.10	12.62			
13	5.7 5.5	5.7 5.5	5.8 5.6	5.73 0 0 1	6.33	11.88	t.f. t.f.	. .	.
14	6.5 6.3	6.6 6.4	6.6 6.4	6.57 1 00	6.01	12.59			
14a ~~15~~	5.9 5.7	5.8 5.6	6.0 sc.? 5.8	5.90 0 1 1	6.22	12.02			
14b ~~16~~	6.8 6.6	6.9 6.7	6.8	6.83 0 1 0	5.97	12.83			
15	6.8 6.6	6.9 6.7	7.1	6.93 1 0 2	5.95	12.92			
16	sc.? 7.6	sc.? 7.6	7.4	7.53 1 1 1	6.02	13.57			
16a	7.2	7.3	7.3	7.27 1 00	6.03	13.26			
17	7.6?	7.6	7.6	7.60 0 0 0	6.26	13.65			
17a	7.6	7.6	7.5	7.57 0 0 1	5.88	13.62			
17b	7.6	7.6	7.6	7.60 0 0 0	5.97	13.65			
17c	8.4	8.3	8.2	8.30 1 0 1	6.72	14.84			
18	8.1	8.3	8.1	8.17 1 1 1	6.33	14.59			

See also P. 54-

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Wednesday August 25, 1915

Scale M Near Sect: Sat.

MC 8304— Diffr. Im. - Ref. Seq.

Diffr. Im. g.

	pc.1	pc.2	pc.1	pc.1		Diff. from adopt. magn.	Magn.
1	B.						
1a	B.						
2	B	B	B.				
3	4.4 4.6	4.4 4.2	4.4 4.2	4.41 1 1 1		+305	7.51
4	5.6 5.8	5.6 5.4	5.7 5.5	5.70 1 1 0		2.74	8.53
5	5.6 5.8	5.8 5.6	5.8 5.6	5.80 0 0 0		2.98	8.60
6	6.5 6.7	6.7 6.5	6.8 6.6	6.73 0 0 1		2.60	9.32
7	pc.? 7.6	pc.? 7.4	pc.? 7.5	7.50 1 1 0		2.36	9.91
8	8.1	8.1	8.1	8.10 0 0 0		2.44	10.55
9	8.3	8.1	8.1	8.17 1 1 1		2.47	10.63
10	8.3	t.p.	8.3	8.30 0 0 0		2.44	10.80
11	8.5	8.3	8.3	8.37 1 1 1		2.53	10.88
12	8.1	8.1	8.1	8.10 0 0 0		2.64	11.30
12a	g.	g	g.				
13	9.2?	9.1	t.p.	9.15? 0 1 .		2.91	11.88?
14	9.1	9.1	9.8	9.73 0 0 1		2.85	12.62
14a	t.p.						
15	m.s.						

On MC 8304— diffr. Images are fairly good near centre, but outside of the centre they are very poor, both g and h. Had I known this when I started, I should have selected another plate instead of this one.

See also P. 54—

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Wednesday August 24, 1915.

Scale M - Near Scut. Sob.

MC 83 04 Ref Seq - Cont.

	Sc.2	Sc.2	Sc.2	Means.		Magn.
19	8.5	8.5	8.3	8.43	111	+6.59 15.08
20	8.7	8.8	8.8	8.77	100	-
21	9.1	8.8	9.1	9.03	121	-
22	9.1	9.3	9.2	9.20	110	-
23	9.5	9.4	9.4	9.43	100	-
24	9.4	9.4	9.4	9.40	000	-
25	9.6	9.6	9.7	9.63	001	-
26	~~f.~~	~~f.~~	~~f~~			
27	~~f.~~					

12:12

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1915phae.proj.10660

Monday August 30, 1915

Scale m — Near Scut. 8 ob. YELLOW

9:45 — MC 8302 — For Reduction of nos. 101-297. — pp. 32-40.

		sc.1	sc.2 (mean after no. 175)	sc.1	sc.1 (after 297)	meau.	Diff.	Magn.	P.C. sc.1	P.C. sc.1	P.C. sc.1	meau		
1	B								4.1 49	4.9 5.1	4.1 49	4.97 ⊥ 1 ⊥ / 0 2 0	+1.14	6.08
2	B								5.2 54	5.3 55	5.1 53	5.40 0 1 ⊥	0.81	6.27
2a	B								6.3 6.5	6.2 6.4	6.2 6.4	6.43 1 0 0	0.35	6.81
3	B								sc.2 / 7.5	sc.2 7.5	sc.2 7.3	7.43 1 1 ⊥	+0.03	7.46
4	B								8.6	8.4	8.4	8.47 1 ⊥ ⊥	−0.07	8.36
5	B					meau.	Diff.	Magn.	8.4	8.5	8.5	8.47 ⊥ 0 0	−0.28	8.36
6	B.	B.	B						9.2 / 8.4	def?	9.1	9.15 0 R ⊥	+0.12	9.20
7	3.7 39	3.7 39	3.9 41			3.97 1 ⊥ 1			t.p. / 8.4 w.s.	t.p.				
8	4.7 49	4.8 50	4.5 47			4.87 0 1 2			5.33	10.13	t.p.			
9	5.0 5.2	5.1 53	4.9 51			5.20 0 1 ⊥			5.11	10.31				
10	5.1 53	5.1 53	5.1 53			5.30 0 0 0			5.00	10.34				
11	4.2 44	4.4 46	4.2 44			4.47 ⊥ 1 ⊥			5.34	9.92				
12	6.9 6.8 sc.2 6.7	6.7 6.9	sc.2 7.1			6.93 ⊥ 0 2			4.23	11.14				
12a	6.7 6.6 5 10 6.5 6.6	6.4 6.6	6.6			6.62 03 02 02			4.45	11.01				
13	6.1 6.1 0 0 0 5.9 6.1	5.9 6.1	6.1			6.10 0 0 0 0			4.70	10.78				
14	8.2	sc.2 8.3	8.1			8.20 0 1 ⊥			3.57	11.95				
14a	7.5	7.4	7.5			7.47 0 ⊥ 0			3.91	11.40				
14b	7.7	7.6	7.5			7.60 1 0 ⊥			3.90	11.48				
15	8.1	8.1	8.1			8.10 0 0 0			3.54	11.86				
16	8.1	8.3	8.4			8.27 2 0 1			3.89	12.01				
16a	8.5	8.4	8.6			8.50 0 ⊥ 1			3.86	12.23				
17	8.6 / 7.4	8.1	6 8.8			8.63 0 1 0			4.04	12.36				
17a	8.8	9.1	8.8 / 7.4			8.90 ⊥ 2 ⊥			3.95	12.65				
17b	9.1	9.3	9.1 / 7.4			9.17 ⊥ / 3 1 ⊥ / 8			3.82	12.96				
17c	9.3	9.4	9.4			9.37 ⊥ 0 0			3.86	13.19				
18	9.9	9.8	9.9			9.87 0 ⊥ 0			3.76	13.76				
19	1	1	1			. . .			.	.				
20	m.s.	m.s.	m.s.											

Magnitudes entered using table giving magnitudes corresponding to scale measures.

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Monday August 30, 1915

R. M.

Near Sept. Sol. YELLOW

MC8302 Diffr. Images. Ref. Seq.

Diffr. Im. 9.

	sc.1	sc.1	sc.1	Mean				Diff.	Magn.
1	3.1 33	B	B.	33	a	.	.	+2.81	-
2	3.8 4.0	3.9 4.1	3.8 4.0	4.03	o	1	o	2.24	6.32
2a	5.1 5.3	4.9 5.1	5.1 5.3	5.23	1	1	1	1.55	6.80
3	6.6 6.8	sc.2 6.6	sc.2 6.8	6.73	1	1	1	0.73	7.49
4	sc.2 8.3 8	8.3	8.3	8.30	o	o	o	0.10	8.42
5	8.1	8.1	8.1	8.10	o	o	o	0.19	8.29
6	9.2	9.3	9.5	9.33	1	o	2	-0.06	9.40
7	9.4	9.3?	9.4?	9.37?	o	1	o	+0.29?	9.44?
8	10.0		8.	10.0	a	.	.	+0.20	10.18
9	8								
10	m.s.								
11	8.								
12	m.s.								
12a									
13									
14									

12:33 g - 9:10

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Region near Centum Arbieski R.A. = 17h 00m Dec. = 0.0° (1900)

Identification of Stars in Catalogue 4° Square.

1	See 133					
2	See 132					
3	See 127					
3a	See 163					
4	See 138					
5	See 157					
6	See 134					
7	−0° 3225	16	58.5	−0	2	9.3
8	+0° 3626	16	57.2	+0	26	9.5
9	+0° 3628	16	57.8	+0	23	9.5
10	+0° 3619	16	55.2	+0	16	9.5
11	+0° 3621	16	58.4	+0	12	9.4
12						
13	−0° 3221	16	56.7	−0	2	9.4
14						
101	−1° 3271	16	49.4	−1	50	8.2
102	−1° 3272	16	49.5	−1	1	8.9
103	+1° 3351	16	49.6	+1	30	9.1
103a	+1° 3350	16	49.5	+1	31	9.5
104	+1° 3352	16	49.9	+1	30	9.5
104	−1° 3274	16	50.5	−1	47	9.4
105	−0° 3206	16	50.6	−0	53	8.8
106	+1° 3353	16	51.0	+1	39	9.3
107	+1° 3354	16	51.3	+1	34	8.9
108	−1° 3276	16	51.5	−1	47	9.3
109	−1° 3277	16	51.6	−1	33	9.2
110	−1° 3278	16	51.8	−1	28	9.3
111	+1° 3357	16	52.7	+1	9	8.9
112	+1° 3358	16	52.9	+1	20	9.0
113	+0° 3611	16	53.0	+0	35	8.8

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Region near Sco – Sub. cont.

114	−0°3208	16	53.0	−0	33	9.0
115	−0°3209	16	53.1	−0	39	8.8
116	−0°3281	16	53.1	−1	40	8.8
117	+1°3361	16	53.7	+1	29	9.2
118	+1°3362	16	53.7	+1	5	9.2
119	+1°3363	16	53.9	+1	43	9.1
120	−0°3211	16	53.9	−0	34	8.8
121	−1°3288	16	53.9	−1	20	9.2
122	−1°3282	16	53.9	−1	41	9.1
123	+1°3364	16	53.9	+1	29	9.1
124	+1°3365	16	54.3	+1	52	9.3
125	−1°3285	16	54.7	−1	39	9.3
126	+0°3622	16	56.6	+0	28	8.7
2a = 127	+0°3624	16	56.3	+0	5	6.8
128	−1°3288	16	57.4	−1	58	9.5
129	+0°3627	16	57.6	+0	48	9.1
130	−1°3290	16	57.6	−1	36	9.3
131	+1°3373	16	57.8	+1	59	9.1
2 = 132	+0°3629	16	57.8	+0	55	6.3
1 = 133	−0°3224	16	58.1	−0	41	8.8
6 = 134	+0°3630	16	58.2	+0	52	9.1
135	+1°3375	16	58.4	+1	54	9.5
136	+0°3633	16	59.2	+0	51	8.3
137	−1°3291	16	59.3	−1	4	9.0
4 = 138	+1°3380	16	59.4	+1	13	8.8
139	+0°3635	16	59.4	+0	28	9.0
140	−1°3292	16	59.4	−1	27	6.3

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Region near Scut. Sob. Cont.

141	+1°	3382	16	59.6	+1	30	9.0
142	+1°	3383	16	59.7	+1	59.8	88
143	+1°	3384	17	0.0	+1	33	9.5
144	+0°	3637	17	0.0	+0	59	9.3
145	+1°	3385	17	0.2	+1	54	9.0
146	+1°	3386	17	0.5	+1	30	9.5
147	−1°	3295	17	0.5	−1	44	8.7
148	−0°	3230	17	0.7	−0	53	6.2
149	+1°	3387	17	0.9	+1	55	9.0
150	+1°	3389	17	1.4	+1	46	9.0
151	+0°	3641	17	1.4	+0	14	9.0
152	+0°	3642	17	1.5	+0	56	9.5
153	+1°	3390	17	1.6	+1	8	9.3
154	+0°	3643	17	2.0	+0	2	9.3
155	+0°	3646	17	2.3	+0	44	8.5
156	+0°	3645	17	2.3	+0	32	9.0
5 = 157	+0°	3644	17	2.3	+0	9	8.5
158	+1°	3393	17	2.4	+1	54	9.5
159	+1°	3394	17	2.4	+1	19	9.0
160	+0°	3648	17	2.5	+0	24	9.2
161	−0°	3233	17	2.5	−0	57	9.3
162	−1°	3299	17	2.7	−1	5	9.1
3 = 163	−0°	3234	17	2.7	−0	33	8.0
164	+0°	3649	17	2.9	+0	11	7.0
165	+1°	3396	17	3.2	+1	37	9.0
166	+1°	3300	17	3.5	−1	29	9.5
167	+1°	3397	17	3.7	+1	45	8.9

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Regina near Scut. Sub Cont.

168	−1°	3301	17	8.9	−1	16	9.3
169	+0°	3650	17	4.0	+0	52	9.5
170	−1°	3302	17	4.2	−1	16	9.3
171	+0°	3651	17	4.3	+0	28	8.9
172	−0°	3239	17	4.4	−0	48	8.2
173	−0°	3241	17	4.9	−0	86	7.6
174	+1°	3399	17	5.0	+1	57	9.3
175	+0°	3654	17	5.5	+0	33	7.0
176	−0°	3245	17	5.6	−0	0	9.1
177	+1°	3400	17	5.9	+1	26	8.8
178	+0°	3656	17	5.9	+0	52	8.3
179	−0°	3246	17	5.9	−0	12	9.5
201	+0°	3599	16	49.1	+0	54	9.2
202	+0°	3601	16	50.0	+0	15	9.5
203	−0°	3270	16	49.3	−0	29	9.5
204	+0°	3602	16	50.1	+0	32	9.5
205	+0°	3603	16	50.4	+0	18	9.5
206	−0°	3205	16	50.1	−0	9	9.5
206a	−0°	3207	16	52.1	−0	10	9.5
207	−0°	3278	16	50.5	−0	24	9.4
208							
209	+1°	3355	16	51.5	+1	31	9.5
210	+2°	3287	16	51.9	+2	3	9.2
211	+1°	3356	16	51.8	+1	12	9.3
212	+0°	3605	16	51.6	+0	27	9.3
212a	+0°	3608	16	52.0	+0	38	9.5
213	+0°	3607	16	51.8	+0	36	9.5
212c	+0°	3604	16	51.5	+0	20	9.5
214 d	+0°	3606	16	51.6	+0	12	9.5
214	+0°	3610	16	52.5	+0	54	9.1
212e	+0°	3609	16	52.2	+0	20	9.5
213	+1°	3359	16	50.0	+1	30	9.8

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Region near Dent 206 - Cont.

216	−1°	3279	16	52.6	−1	59	9.2
217	−1°	3280	16	53.0	−1	6	9.5
218	+0°	3612	16	53.3	+0	0	9.4
219	+1°	3360	16	53.7	+1	11	9.5
220	+2°	3225	16	53.7	+2	2	9.4
221	+2°	3227	16	53.9	+2	3	9.5
222							
223							
223a	+1°	3365	16	54.0	+1	55	9.3
224	+0°	3613	16	53.8	+0	44	9.0
225	+0°	3614	16	54.1	+0	46	9.5
226	+0°	3617	16	54.7	+0	47	9.3
227	−1°	3284	16	54.1	−1	37	9.5
228	−0°	3212	16	54.4	−0	28	9.5
229	−0°	3213	16	54.5	−0	45	9.5
230	−0°	3214	16	54.7	−0	31	9.5
231	−0°	3217	16	55.0	−0	54	9.5
231a	−0	3215	16	54.8	−0	38	9.5
232	+0°	3615	16	54.3	+0	28	9.3
233	+0°	3616	16	54.6	+0	18	9.5
234	+0°	3618	16	54.8	+0	14	9.3
235	−0°	3216	16	54.9	−0	10	9.5
~~236~~	~~+0°~~	~~3620~~	~~16~~	~~53.2~~	~~+0~~	~~1~~	~~9.5~~
236	+0	3620	16	53.2	+0	1	9.5
237	+1°	3367	16	55.2	+1	57	9.2
238	+1°	3368	16	55.4	+1	8	9.2
239	+0°	3623	16	55.7	+0	55	9.5
240	−0°	3219	16	56.2	−0	56	9.5
241	−0°	3218	16	56.0	−0	36	9.3
242	−0°	3220	16	56.4	−0	25	9.2

Probable 1.1 - error in D.M. catalogue - Dec. is given there +0° 13.7 but chart plate B 3868 shows it at about +0 15.7 - D.M. chart agrees with plate +0 15.7

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Region near Sept Sub. Cent.

248	−0° 3222	16	57.0	−0	39	9.2
244	−0° 3228	16	57.3	−0	42	9.3
243	−1° 3286	16	56.7	−1	46	9.3
246	−1° 3288	16	57.1	−1	2	9.3
246a	−1° 3287	16	57.1	−1	10	9.3
247	+0° 3623	16	56.8	+0	50	9.3
248	+1° 3370	16	57.0	+1	1	9.3
249	+1° 3369	16	57.0	+1	33	9.3
250						
251	+1° 3372	16	57.4	+1	44	9.3
252	+1° 3371	16	57.2	+1	19	9.3
253						
254	+1° 3374	16	58.2	+1	17	9.3
255	+1° 3376	16	58.5	+1	16	9.3
256	+1° 3378	16	58.8	+1	13	9.3
257	+1° 3379	16	58.9	+1	19	9.3
258	+1° 3377	16	58.5	+1	58	9.3
259	+2° 3243	16	58.6	+2	1	9.3
260	+1° 3381	16	59.3	+1	46	9.4
261	+0° 3634	16	59.4	+0	31	9.3
262	+0° 3632	16	58.8	+0	8	9.4
263	−0° 3226	16	59.4	−0	18	9.3
264	−1° 3294 Not in Dm.	16	59.0	−1	44	9.3
265	−1° 3293	16	59.6	−1	46	9.3
266						
267	−0° 3227	16	59.6	−0	34	9.3
268	−0° 3228	16	59.7	−0	38	9.3
269	+0° 3636	16	59.7	+0	2	9.3

This star is entered in wrong place in Dm. catalogue.

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Region near Sent. Sob. cont—

270	+0°	3638	17	0.1	+0	111	9.5
271	−0°	3229	17	0.3	−0	4	9.5
272	+0°	3639	17	0.5	+0	6	9.3
273	+0°	3640	17	1.0	+0	10	9.4
274	+1°	3388	17	0.9	+1	17	9.1
275	−1°	3296	17	1.2	−1	55	8.5
276	−0°	3231	17	1.2	−0	44	9.5
277	−0°	3232	17	1.6	−0	23	9.5
278	−1°	3298	17	2.4	−1	47	9.5
279	−1°	3297	17	2.3	−1	21	9.4
280	+0°	3647	17	2.4	+0	33	9.5
281							
282							
283	+1°	3391	17	2.1	+1	8	9.5
284	+1°	3392	17	2.4	+1	34	9.5
285							
286							
287	+1°	3395	17	3.1	+1	44	9.5
288	−0°	3235	17	3.8	−0	38	9.4
289	−0°	3236	17	3.6	−0	31	9.5
290	−0°	3238	17	4.0	−0	33	9.4
290a	−0°	3237	17	3.9	−0	36	9.5
291	+1°	3398	17	4.4	+1	12	9.5
292	+0°	3652	17	4.7	+0	15	9.5
293	−0°	3240	17	4.7	−0	43	9.5
294	−0°	3243	17	5.1	−0	30	8.7
295	−0°	3244	17	5.6	−0	48	9.5
296							
297	+0°	3653	17	5.2	+0	42	9.5

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Tuesday February 13, 1917.

Scale M Catalogue 4° Square. B1 – 1h 20 +45°

11– Mc 7135 superposed on Mc 9766.

St	Seq. for B1.	sc.1	sc.2			Diffr. Im. sc.1	sc.2	sc.1	sc.2		P.C. sc.1	sc.2		
	01	B				$5.4^{5.6}$	$5.3^{5.5}$	5.55	0 ⊥		$5.3^{5.5}$			
	02					$5.1^{5.3}$	ε	q ε	5.3 ≏		$5.1^{5.9}$			
	03					$4.5^{4.7?}$	?	q ε	4.7? ≏		$5.6^{5.8}$			
	04					$5.2^{5.4}$		q ε	5.4 ≏		$6.2^{6.4}$	6.4	6.40	00
	05					$6.1^{6.3}$		$6.1^{6.3}$	6.30	00	$6.2^{6.4}$	$6.1^{6.53}$	$6.5^{6.53}$	⊥ 2 0
	06					$6.4^{6.6}$		$6.3^{6.5}$	6.55	0 ⊥	$6.5^{6.7}$	6.8	6.75	⊥ 0
	07					$6.6^{6.8}$		$6.1^{6.9}$	6.85	0 1		7.3		
	08	B				$6.4^{6.6}$		$6.6^{6.8}$	6.70	⊥ 1		7.4		
	09	B				7.2		7.2	7.20	00		7.6		
dbl.	010	B.				7.8		7.7	7.75	0 ⊥		7.7		
	011	B				7.3		7.3	7.30	00		7.6	Close to brt. star	
	012	B				7.5		7.3	7.40	1 ⊥		7.6		
	013	$3.3^{3.5}$	B.			7.6		7.6	7.60	00		8.1		
	014	$3.8^{4.0}$	B.			8.1		8.21	8.15	⊥ 0		8.5		
	015	$4.2^{4.4}$	4.6	4.50	⊥	8.4		8.5	8.45	0 1		8.7		
	016	$5.1^{5.3}$	5.2	5.25	10	8.8		8.9	8.85	0 1		9.2		
	017	$4.9^{5.1}$	5.1	5.10	00	8.6		8.7	8.65	0 1		9.2		
	018	$5.2^{5.4}$	5.2	5.30	1 ⊥	8.8		8.7	8.75	0 1		9.2		
	019	$5.3^{5.5}$	5.5	5.50	00	8.9		8.8	8.85	1 0		9.3		
	020	$5.5^{5.7}$	5.6	5.65	10	9.1		9.3	9.20	⊥ 1		9.4		
	021	$5.3^{5.5}$	5.3	5.40	1 ⊥	9.1		9.2	9.15	⊥ 0		9.7		
	022	$6.1^{6.3}$	6.3	6.30	00	9.7		9.5	9.60	1 ⊥		?		
	023	$5.9^{6.1}$	6.1	6.10	00	9.5		9.4	9.45	1 0				
	024	$6.9^{7.1}$	7.1	7.10	00	?		?						
	025		7.2											
	026		7.21											

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Tuesday February 13, 1917

Scale m Catalogue 4° Square B1 cont.

Mc 7135

		sc 1	sc 2	sc 2	Diff. Inn. sc 2	P.C. sc 2
	8a	B.			7.2	1.4
	23a	6.1 [6.3]	6.2	6.25 10		
	26b		7.5			
	27		8.1	7.6 7.85 3 2		
	28		8.1	8.2 8.15 1 0		
	29		8.4	8.2 8.30 1 1		
	30		8.6			
	31		9.0			
	32		9.2			
					sc 2	sc 2
q	17a	4.8 [5.0?]			8.5	8.8

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Tuesday February 13, 1917.

Scale m. Catalogue 4° Squares. B1 cont.

MC 7135

		sec. 1	sec. 2	Magn.	
fr 244 =	1		8.7	10.01	
fr	2		9.2	10.54	
	3	49.51		10.58	
	4	53.55		10.87	
	5	52.54		10.80	
fr	6		8.9	10.22	
fr	7		8.8	10.12	
fr	8		8.7	10.01	
fr	9		9.0	10.33	
fr	10		9.1	10.44	
dbl	11	54.56 / 56.58		10.95 / 11.10 dbl.	The faint star precedes about 1.5^s and is slightly North
fr 207 =	12		8.6	9.90	
	13	50.52		10.64	
fr	14		8.8	10.12	
fr	15		8.8	10.12	
fr	16		8.9	10.22	
fr	17		9.4	10.76	
fr 262 =	18		8.6	9.69	
fr	19		9.1	10.44	
fr	20		8.7	10.01	
fr	21		9.3	10.64	
fr 258 =	22		9.4	10.76	
fr =	23		9.1	10.44	
259 =	24	49.51		10.58	
fr	25		9.1	10.44	
fr 213 =	26		1.9	9.19	

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Tuesday February 13, 1917.

Seale m. Catalogue 4° Square B1-
mc 4, 35-

	sc.1	sc.2	Magw.
fv 24		9.2	10.54
fv 28		8.1	10.01
fv 29		9.2	10.54
fv 30		9.1	10.44
fv 31		9.1	10.44
g 017a = 467 = 32		8.5	10.22
fv 33		8.1	10.01
34	5.2 5.4		10.80
35	4.9 5.1		10.58
fv 35		9.4	10.76 fv
fv 223 = 36		8.1	10.01
fv 222 = fv 37		8.2	9.48
fv 493 = 280 = 38		9.3	10.64
fv 39		8.8	10.12 ~~10.54~~
fv 40		9.2	10.54
fv 219 = 41		8.5	9.80
fv 42		8.5	9.80
fv 281 = 43		9.1	10.44
fv 44		9.1	10.44
g 45		8.4	10.10
fv 46		9.2	10.54
fv 47		9.3	10.64
fv 48		8.9 9.1 9.00 21	10.33
fv 346 = 49		8.1	10.01
fv 347 = 50		8.8	10.12
fv 349 = 51		8.9	10.22
g 52		8.6	10.34

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1915phae.proj.10660

Tuesday February 13, 1917.

Scale m. Catalogue 4° Square B1 -

mc 7135

		sc.1	sc.2	Magn.	
fr 290 =	53	8.6		9.90	
fr	54	8.4		9.69	
fr 296 =	55	8.5		9.80	
fr	56	8.8		10.12	
fr	57	8.8		10.12	
fr	58	9.1		10.44	
fr	59	9.2		10.54	
fr	60	8.5		9.80	
fr	61	9.1		10.44	
fr	62	8.7		10.01	
dbl. fr	63	9.5	9.5	10.86 10.86	Companion star is north about 0.5. About 0.2 magn. fainter than no. 63 in Yellow plate.
fr	64	8.6		9.90	
f.c. nearly pair) q	65	8.4		10.10 R	
fr	66	9.3		10.64	
q	66	8.8		10.58	
fr q q	67	8.8		10.58	
fr q q	68	8.5 q		10.22	
fr q q	69	88		10.58	
fr 017 =	70	9.2		10.54	
fr 015 =	71	8.5		~~9.8 +1.08~~ 9.80	
q fr 320 =	72	8.7		10.46	
q fr	73	8.7		10.46	
q	74	8.6		10.34	
q	75	8.5		10.22	
	76	5.3 55		10.87	
fr	77	8.8		10.12	Reject. Could not be 8.8 might have been 9.8.
q	78	8.4		9.69	

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Scale m. to catalogue 4° Square B.D.

Merj 135

		sci sc. >	magn.
q*	79	8.7	10.46
	80	50 5.2	10.64
q 319 =	81	8.5	10.212
q =	82	8.5	10.212
q 317 =	83	8.8	10.58
q	84	8.7	10.46
fv	85	8.8	10.12
fv	86	8.8	10,12
q 362 =	87	8.4	10.10
q	88	8.5	10,212
fv 359 =	89	8.4	9.69
fq q	90	8.5	10,212
q	91	8.7	10,46
q	92	9.0	10.81
q	93	8.7	10.46
q	94	8.4	10.10
q	95	8.27	10.46
q	96	8.7	10.46
fv 363 =	97	8.4	9.69
fv	98	7.8	9.09
fv	99	9.0	10.33
q	100	9.2	11.08 −?
q	101	8.6	10.34
fv	102	9.3	10.64
q	103	9.2	10.92 −?
q	104	8.8	10.58
fp	90a	7.9	~~13.20~~ 9.19 Evidently "fp" was omitted

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Tuesday February 13, 1917.

Scale m Catalogue 4° Square. B1-

MC 7135

	sc.1	sc.2	Magns.
p 105		9.2	10.54
q 106		8.8	10.58
p 107		9.2	10.54
q 108		8.8	10.58
p 109		9.2	10.54
q 110		9.0	10.81
q 111		8.8	10.58
p 112		9.1	10.44
q 113		8.3	999
q 114		8.6	10.34
q 115		9.0	10.81
q 116		9.2	11.08
dbl p 117		{8.7 9.2}	{10.01 10.54}
p 118		8.4	9.69
q 119		8.7	10.46
p 305 = 120		8.5	9.80
p 121		9.2	10.54
E. p. comp. sup. p 364 = 122		8.7?	10.01? ~~11.38?~~
p 123		8.8	10.12
p 124		9.5	10.86
p 125		8.6	9.90
p 126		8.8	10.12
p 127		9.3	10.64
128			
no numbers. 129			
130			

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1915phac.proj.:10000

Tuesday February 13, 1917.

Scale m. Catalogue 4° Square B1–
mc 7 135

		sc.1	sc.2	Magw.	
fr 201	131		8.0	9.28	
fr 202	132		8.2	9.48	
fr 203	133		7.3 7.40 7.5	8.72	
fr 204	134	6.1 6.9		8.28	
fr 205	135		8.1	10.01	
fr 206	136	6.1 6.9		8.28	
207 = 12	137		·	9.90	
fr 208	138		8.5	9.80	
fr 209	139		8.4 nearly	9.69	Return Reject. Measured too bright, probably because nearly superposed
fr 210	140	6.1 6.9		8.28	
fr 211	141		8.3	9.99	
fr 212 213 = 26	142		8.1 ·	10.01 9.19	
fr 214	143		7.7	9.00	
fr 215	144	4.1 4.9			
fr 216	145	6.2 6.4		7.83	
fr 217	146	5.4 5.6		7.09	
fr 218	147		7.7	9.00	
fr 219	148		8.8	10.12	
fr 220	149	6.2 6.4		7.83	
fr 221	150		7.7	9.00	
37 = 222	151		·	9.48	
36 = 223	152		·	10.01	
fr 224	153		8.6	9.90	
fr 225	154		7.4	8.72	
fr 226	155		7.7	9.38	
fr 227	156		7.6	8.90	

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1915phae.proj.10660

Tuesday February 13, 1917.

Scale m. Catalogue 4° Square. B1-

MC 7135

	sc.1	sc.2	Magn.
fv 228		7.8	9.09
fv 229	4.5	4.7	~~10.28~~
fv 230	6.8	7.0	8.37
fv 231		8.0	9.28
fv 232	6.6	6.8	8.19
fv 232	6.5	6.7	8.10
fv 233	6.4	6.6	8.00
fv 234	5.1	5.9	7.37
fv 235	6.4	6.6	8.00
fv 236		7.8	9.09
fv 237		8.2	9.48
fv 238	6.6	6.8	8.19
fv 239		8.6	9.90
fv 240		8.2	9.48
fv 241		8.6	9.90
fv 242		9.1	10.44
fv 243		8.7	10.01
1 = 243			10.01
fv 245		7.9	9.19
fv 246		7.9	9.19
fv 247		7.6	8.90
fv 248		8.5	9.80
fv 249		8.1	9.38
fv 250		8.4	9.69
fv 251		7.5	8.81
fv 252		7.7	9.00

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1915phaa.proj..10660

Tuesday February 13, 1917.

Scale m. Catalogue 4° Square. B1.
Mcy 435

		Magn.	
fr 253	8.1	9.38	
fr 254	8.4	9.69	
fr 01 = 255	7.4	8.72	
fr 5 = 256	6.9 6.5 6.9 6.8 6.8	8.19	
fr 257	8.0	9.28	
22 = 258	"	10.46	
24 = 259	"	10.58	
fr 260	7.5	8.81	
fr 261	8.5	9.80	
18 = 262	"	9.69	
fr 8a = 263	7.5	8.81	
fr 08 = 264	7.5	8.81	
fr 265	8.1	9.38	
fr 266	3.6 3.8	..	
fr 012 = 267	7.7	9.00	
fr 01 = 268	5.5 5.7	7.19	
fr 014 = 269	8.3	9.58	
fr 013 = 270	8.1	9.38	
fr 010 = 271	7.9	9.19	Ft Grp. meas. on MC 7329 preceded about 5m seem also on yellow plate. Relative Brightness about the same.
fr 011 = 272	7.6	8.90	
fr 06 = 273	6.7 6.9	8.28	
fr 274	8.0	9.28	
fr 275	5.1 5.3	..	
fr 09 = 276	7.7	9.00	
fr 277	4.0 4.2	..	
fr 278	8.3	9.58	

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1915phae.proj.10660

Tuesday
Wednesday Feb. 13, 1917.

Scale m. Catalogue 4° Square. B1-
Seq for B1. MC 7135 Cont.

						Q.C.	Copied from				
		sc.1	sc.2	Copied from p.66.		sc.1 sc.2	p.66				
01						5.5 5.5⁷	5.5	Meaw. 5.60	1 1	+1.47	
02						5.1 5.9	5.9	5.90	00	1.53	
03						5.8 6.0	5.8	5.90	1 1	1.45	
04						6.1 6.3	6.40	6.35	05	05	1.39
05						6.5 6.7	6.53	6.62	08	09	1.42
06						6.5 6.7	6.75	6.72	02	03	1.53
07						7.5	7.3	7.40	1 1		1.18
08						7.5	7.4	7.45	1 0		1.19
08a						7.5	7.4	7.45	½ 0		1.23 +.18
09	B.			Meaw.		7.8	7.6	7.70	1 1		1.32
010	B.					7.9	7.7	7.80	1 1		1.43
011	B.					7.8	7.6	7.70	1 1		1.37
012	B.					7.8	7.6	7.70	1 1		1.47
013	B.	3.5	3.5	a	+5.89	8.2	8.1	8.15	01		1.24
014	B.	4.0	4.0	a	5.75	8.5	8.5	8.50	00		1.25
015	4.3 4.5	4.50	4.50	00 00	5.62	8.8	8.7	8.75	01		1.37
016	5.0 5.2 5.15 01 5.1	5.25	5.20	05 05	5.46	9.4	9.2	9.30	1 1		1.36
017	4.9 5.1 5.10 00 5.1	5.10	5.10	00 00	5.45	9.2	9.2	9.20	00		1.35
017a	4.8 5.0 5.05 01 5.1	5.0?	5.02	03 02		9.0? poor	8.8	8.90?	1 1		..
018	5.0 5.2 5.15 01 5.1	5.30	5.22	01 08	5.41	9.4	9.2	9.30	1 1		1.33
019	5.4 5.6 5.65 01 5.7	5.50	5.58	08 08	5.28	9.4	9.3	9.35	01		1.51
020	5.1 5.9 5.85 10 5.8	5.65	5.75	10 10	5.41	9.5	9.4	9.45	1 0		1.71
red 021	5.4 5.6 5.55 01 5.5	5.40	5.48	07 08	5.46	9.9	9.7	9.80	1 1		1.14
022	6.0 6.2 6.20 00 6.2	6.30	6.25	05 05	5.16	↓	↓				
023	5.9 6.1 6.05 10 6.0	6.10	6.08	03 02	5.40						
023a	6.2 6.4 6.40 00 6.4	6.25	6.32	08 07	5.31						
024	6.9 7.1 7.05 10 7.0	7.10	7.08	03 02	5.10						

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1915phaa.proj.10660

Tuesday February 13, 1917.

Scale m. Catalogue 4° Square. 81-
mc 1135

	Rec'd	Copied fr. p. 66	Mean.	Diff.
025	7.3	7.2	7.25 10	5.18
026	7.5	7.2	7.35 12	5.23
026a ~~6.5~~	7.5		7.5 a	5.28
027 ~~6~~	7.8	7.5	7.65 21	5.22
029	8.1	7.85	7.98 12 13	5.50
028	8.4	8.15	8.28 12 13	5.36
029	8.4	8.30	8.35 05 05	5.62
030	8.7	8.6	8.65 10	5.66
031		9.0	9.0 a	5.76
032		9.2	9.2 a	6.00

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1915phae.proj.10660

Tuesday
~~Wednesday~~ February 14. 1917.

Scale m. Isolatique 4° Square. B1.

~~8.35~~ McF 1.25

Diff. Inv.

	sc.1	sc.2	sc.1	sc.2		Copied from 4.66.	Diff.	Mean		Diff
01	5.2	5.4	5.2	5.4	5.40 00	5.55	+1.52	5.48	08 07	+1.59
02	q		q		.	5.3?	2.13	5.3?	q	2.13?
03	q		q		.	4.7?	2.65	4.7?	q	2.65
04	5.2	5.4	5.2	5.4	5.40 00	5.4		5.40	00 00	2.34
05	6.2	6.4	6.1	6.3	6.35 01	6.30		6.32	03 02	1.72
06	6.1	6.3	6.2	6.4	6.35 10	6.55		6.45	10 10	1.80
07	6.6	6.8	6.7	6.9	6.85 01	6.85		6.85	00 00	1.73
08	6.2	6.4	6.4	6.6	6.50 11	6.70		6.60	10 10	2.04
08a	7.3		7.21		7.25 10	7.21		7.23	q. 03 02	+1.46
09	7.4		7.5	7.45	01 7.20			7.32	13 12	1.70
010	d		d		.	7.75		7.75	q	1.48
011	7.4		7.4	7.40	00 7.30			7.35	05 05	1.72
012	7.4		7.5	7.45	01 7.40			7.42	03 02	1.75
013	7.7		7.7	7.70	00 7.60			7.65	05 05	1.74
014	8.2		8.2	8.20	00 8.15			8.18	02 03	1.57
015	8.4		8.5	8.45	01 8.45			8.45	00 00	1.67
016	9.0		9.0	9.00	00 8.85			8.92	08 07	1.74
017	8.8		8.7	8.75	01 8.65			8.70	05 05	1.85
017a	8.4		8.5	8.45	10 8.5			8.48	03 02	
018	8.7		8.7	8.70	00 8.75			8.72	02 03	1.91
019	9.1		9.1	9.10	00 8.85			8.98	12 13	1.88
020	9.2		9.2	9.20	00 9.20			9.20	00 00	1.96
021	9.1		9.1	9.10	00 9.15			9.12	02 03	1.82
022	9.4		9.6	9.50	11 9.60			9.55	05 05	1.86
023	9.4		9.4	9.40	00 9.45			9.42	02 03	2.06
023a	7		9.9	9.9	q.			9.9	q.	2.73
024										

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"Wednesday February 14, 1917.

Sheet 8

Scale m. 8.30 Catalogue 4° Squares. 81 — mean 35

Dec.

		sc.1	sc.1			sc.1 sc.2	sc.1 sc.2		P.76	Mean.	Diff.
	01	B				5.5 5.7	5.5 5.7	5.70 00	5.60	5.65 05 05	1.42
	02					5.9 6.1	5.8 6.0	6.05 10	5.90	5.98 07 08	1.45
E	03					5.7 E 5.9	5.6 5.8	5.85 10	5.90	5.88 03 02	1.47
	04					6.1 6.3	6.1 6.3	6.30 00	6.35	6.32 02 03	1.42
	05					6.3 6.5	6.2 6.4	6.45 10	6.62	6.54 09 08	1.50
	06					6.1 6.9	6.5 6.7	6.80 11	6.72	6.76 04 04	1.47
	07					7.4	7.4	7.40 00	7.40	7.40 00 00	1.18
	08					7.5	7.4	7.45 10	7.45	7.45 00 00	1.19
	08a			mean.		7.5	7.5	7.50 00	7.45	7.48 02 03	1.20
	09	B	B.			7.6	7.7	7.65 01	7.70	7.68 03 02	1.34
dbl	010	B	B			7.9	7.9	7.90 00	7.80	7.85 05 05	1.38
	011	B	B		Diff.	7.8	7.6	7.70 11	7.70	7.70 00 00	1.37
	012	B	B		copied p.76 mean.	7.8	7.7	7.75 01	7.70	7.72 03 02	1.45
	013	3.2 3.4	3.3 3.5	3.45 01	3.5	3.48 03 02	5.91	8.2	8.1	8.15 01	8.15	8.15 00 00	1.24
	014	B.	B	.	4.0	4.0 . a	5.75	8.4	8.6	8.50 11	8.50	8.50 00 00	1.25
	015	4.2 4.4	4.2 4.4	4.40 00	4.50	4.45 05 05	5.67	8.8	8.8	8.80 00	8.75	8.78 02 03	1.34
	016	4.8 5.0	4.9 5.1	5.05 01	5.20	5.12 01 08	5.54	9.3	9.3	9.30 00	9.30	9.30 00 00	1.36
	017	4.8 5.0	4.9 5.1	5.05 01	5.10	5.08 03 02	5.47	9.2	9.2	9.20 00	9.20	9.20 00 00	1.35
	017a	4.5 4.7	4.4 4.6	4.65 10	5.02	4.82 17 18		9.1	8.9	9.00 11	8.90?	8.95? 05 05	-
	018	4.9 5.1	4.9 5.1	5.10 00	5.22	5.16 06 06	5.47	9.2	9.3	9.25 01	9.30	9.28 03 02	1.35
	019	5.3 5.5	5.4 5.6	5.55 10	5.58	5.56 02 02	5.30	9.5	9.3	9.40 11	9.35	9.38 02 03	1.48
	020	5.8 6.0	5.7 5.9	5.95 01	5.75	5.85 10 10	5.31	9.4 sup? .			9.45	9.45 . a	1.71
	021	5.4 5.6	5.3 5.5	5.55 01	5.48	5.52 04 04	5.42	9.8	9.8	9.80 00	9.80	9.80 00 00	1.14
	022	6.1 6.3	6.1 6.3	6.30 00	6.25	6.28 03 03	5.13						
	023	5.9 6.1	5.9 6.1	6.10 00	6.08	6.09 01 01	5.39						
	023a	6.2 6.4	6.2 6.4	6.40 00	6.32	6.36 04 04	5.27						

3 —

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Wednesday February 14, 1917.

Scalem. Catalogue 4° Square. B1–

Mc 7135 cont.

	Dec. 1	per	Dec. 1	per	Mean.	P.16-71	Mean.		Diff.
024	69.71		69.71		7.10	7.08	7.09	01 01	5.09
025		1.4 1.2		1.4	7.33	7.25	7.29	04 04	5.14
026		1.2 1.3		1.3	7.27	7.35	7.31	04 04	5.27
027		8.21		8.21	8.20	7.98	8.09	11 11	5.39
028		8.21		8.1	8.15	8.28	8.22	01 06	5.42
029		8.4		8.4	8.40	8.35	8.38	02 03	5.59
030		8.6		8.7	8.65	8.65	8.65	00 00	5.66
031		8.9		8.9	8.90	90	8.95	05 05	5.81
032						9.21	9.2	?	6.00?
026		7.7		7.7	7.70	7.65	7.68	02 03	5.19
026a		7.6		7.6	7.60	7.5	7.58	05 05	5.23

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Wednesday February 14, 1917.

Scale m. For Catalogue 4° Square.

		Mc 7135				Diffr. Im.						
		sc.1	sc.2			sc.1	sc.2					
Diff.		g	h			g	h	Mean.		Mean g+h	P.78	Mean of all.
+1.53	01	5.4 5.6	5.3 5.5	5.55	01	5.4 5.6	5.5 5.7	5.65	01	5.60 05 05	5.48	5.54 06 06
2.13?	02	f	f			f	f				5.3?	5.3?
2.65?	03	f	f			f	f				4.7?	4.7
2.32	04	5.2? 5.4?	5.2? 5.4	5.4?	00	5.3 5.5	5.3 5.5	5.50	00	5.45? 05 05	5.40	5.42? 03 02
1.69	05	6.3 6.5	6.2 6.4	6.45	10	6.1 6.3	6.1 6.3	6.30	00	6.38 01 05	6.32	6.35 03 03
1.83	06	6.2 6.4	6.1 6.3	6.35	01	6.3 6.5	6.2 6.4	6.45	10	6.40 05 05	6.45	6.42 02 03
1.78	07	6.5 6.7	6.5 6.7	6.70	00	6.6 6.8	6.6 6.8	6.80	00	6.75 05 05	6.85	6.80 05 05
2.00	08	6.5 6.7	6.6 6.8	6.75	10	6.4 6.6	6.4 6.6	6.60	00	6.68 01 08	6.60	6.64 04 04
1.71	09	7.4	7.3	7.35	01	7.3	7.2	7.25	10	7.30 05 05	7.32	7.31 01 01
1	010	d	d			d	d					
1.73	011	7.3	7.3	7.30	00	7.3	7.4	7.35	10	7.32 02 03	7.35	7.34 03 01
1.71	012	7.5	7.6	7.55	10	7.4	7.5	7.45	01	7.50 05 05	7.42	7.46 04 04
1.73	013	7.6	7.6	7.60	00	7.7	7.8	7.75	10	7.68 08 07	7.65	7.66 02 01
1.55	014	8.2	8.2	8.20	00	8.3	8.2	8.25	10	8.22 02 03	8.18	8.20 02 02
1.68	015	8.4	8.4	8.40	00	8.4	8.5	8.45	01	8.42 02 03	8.45	8.44 02 01
1.75	016	9.1	8.9	9 8.00	11	8.8	8.8	8.80	00	8.90 10 10	8.92	8.91 01 01
1.85	017	8.7	8.7	8.70	00	8.7	8.7	8.70	00	8.70 00 00	8.70	8.70 00 00
+	017a	8.4	8.5	8.45	01	8.4	8.5	8.45	01	8.45 00 00	8.48	8.46 01 02
1.91	018	8.7	8.7	8.70	00	8.7	8.8	8.75	10	8.72 02 03	8.72	8.72 00 00
1.92	019	8.9	9.1	9.00	11	8.8	8.8	8.80	00	8.90 10 10	8.98	8.94 04 04
1.97	020	9.2	9.2	9.20	00	9.1	9.2	9.15	10	9.18 02 03	9.20	9.19 01 01
1.80	021	9.1	9.2	9.15	10	9.1	9.2	9.15	10	9.15 00 00	9.12	9.14 01 02
1.87	022	9.5	9.7	9.60	11	9.4	9.5	9.45	01	9.52 08 07	9.55	9.54 02 01
2.04	023	9.4	9.5	9.45	01	9.5	9.4	9.45	10	9.45 00 00	9.42	9.44 01 02
1.78	023a	ruf.	9.8	9.8			9.8	9.8		9.80 00	9.9	9.85 05 05
1.50	8a	7.1	6.9 7.1	7.00	00	7.3	7.2	7.20	11	7.15 05 05	7.22	7.18 03 04
	024	f	f			f	f					11 05

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Wednesday February 14, 1917.

Scale m. Catalogue 4° Square. B1-

mo 7155

	sc.1	sc.2	Magn.
41 = 279			9.80 p
493 = 38 = 280			10.64 p
43 = 281			10.44 p
p 282		8.8	10.12
p 283		8.5	9.80
p 284		7.1	8.46
p 285	6.8	7.0	8.37
p 286		8.5	9.80
p 287		8.2	9.48
p 288		8.6	9.90
p 289		7.7	9.00
53 = 290			9.90 p
p 291		7.8	9.09
p nearly perp. 9 292	6.4	6.6	8.31
p 293		7.4	8.72
p 294		8.1	9.38
p 295		8.4	9.69
55 = 296			9.80 p
p 297		8.7	10.01
p 298		7.8	9.09
p 299		7.7	9.00
p 300	5.9	6.1	7.55
p 301	7.0	7.2	8.54
p 302		8.4	9.69
p 303		8.5	9.80
p 304		7.9	9.19

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Wednesday February 14. 1917.

Scalem. Catalogue 4° Square B1-
Me 7185

		sc.1	sc.2	Magw.	
120 =	305		.	9.80 p	
p	306	64.66		8.00	
p	307		7.8	9.09	
p	308		8.0	9.28	
p	309		7.6	8.90	
p	310		7.5	8.81	
p	311		7.2	8.54	
p	312		8.8	10.12	
g	"		8.3	9.99	
dll p	313		{7.2} {8.3}	8.54 9.58	dll.
p	314		8.2	9.48	
p	315		8.0	9.28	
p	316		8.2	9.48	
83 =	317		.	10.58 g	
p	318	6.5.6.7		8.10	
81 =	319		.	10.22 g	
72 =	320		.	10.46 g	
p	321		8.6	9.90	
p g	g 322		8.7	10.46	
p	323		8.3	9.58	
p	324		8.8	10.12	
p	325		9.2	10.54	
p	326	44.46		--	
p	327		8.1	9.38	
p	328		8.2	9.48	
p	329		8.1	9.38	
p	330		8.1	9.38	

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1915phae.proj.10660

Wednesday February 14, 1917 -

Scale m. to catalogue 4° square. 31 -

mc 7135

		pec.	sec.	mags.
fv	331	6.7	6.9	8.28
fv	332		7.5	8.81
fv	333		7.2	8.54
fv	334		8.2	9.48
fv 04 =	335	6.1	6.3	7.74
fv	336		8.4	9.69
fv	337	6.5	6.7	8.10
fv	338		7.5	8.81
fv	339		7.7	9.00
fv	339a		9.0	10.33
fv	340		8.5	9.80
fv	341		8.9	10.21
fv	342		8.7	10.01
	343	5.9	6.1	11.36 ~~7.66~~
fv	344		8.7	10.01
fv	345		8.8	10.12
49 =	346		.	10.01 fv
50 =	347		.	10.12 fv
fv	348		8.7	10.01 fv
51 =	349		.	10.22 fv
fv	350		8.7	10.01
fv	351	6.4	6.6	8.00
fv	352		7.8	9.09
fv	353	6.2	6.4	7.63
double star fv	354		8.2	9.48
fv	355	5.2	5.4	--
fv	356		7.87	9.00

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Wednesday February 14. 1917.

Scale m. Catalogue 4° Square. B1 –

mc 7135

	sc.1	sc.2	Magw.
fv 357		7.8	9.09
fv 358	6.6	6.8	8.19
89 = 359			9.69 fv
fv 360		8.5	~~11.08~~ 9.80
fv 361		8.4	9.69 fv
87 = 362			10.10 g
91 = 363			9.69 fv
122 = 364			
fv 365	6.7	6.9	8.28
fv 366		8.2	9.48
401	5.4	5.6	10.95
402	5.6	5.8	11.10
403	5.8	6.0	11.28
404	5.9	6.1	11.36
405	5.5	5.7	11.03
406	5.6	5.8	11.10
407	6.0	6.2	11.44
408	5.4	5.6	10.95
409	5.3	5.5	10.87
410	5.5	5.7	11.03
411	5.4	5.6	10.95
412	5.5	5.7	11.03
413	5.9	6.1	11.36
414	5.2	5.4	10.80
415	5.1	5.3	10.72

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Wednesday February 14. 1917.

Arc Scalem. le atalogue 4° Square. B1-

mc 7,135

	sc.1	sc.2	Magw.		
416	6.0	6.2	11.44		
417	5.1	5.3	10.72		
418	5.4	5.6	10.95		
419	5.3	5.5	10.87		
420	5.1	5.3	10.72		
421	5.8	6.0	11.28		
422	5.7	5.9	11.19		
g 423		8.1	10.46		
424	5.5	5.7	11.03		
425	5.3	5.5	10.87		
426	5.9	6.1	11.36		
427	5.2	5.4	10.80		
428	5.1	5.3	10.72		
429		7.3	12.47		
430	5.4	5.6	10.80	10.95	
431	5.3	5.5	10.72	10.87	
432	4.9	5.1	10.42	10.58	
433	5.8	6.0	11.10	11.28	
434	5.1	5.3	10.58	10.72	
435	5.4	5.6	10.80	10.95	
436	5.9	6.1	11.36		
437	5.4	5.6	10.95		
438	5.6	5.8	11.10		
439	6.3	6.5	11.70		
440	6.0	6.2	11.44		
441	5.9	6.1	11.36		

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Wednesday February 14, 1917.

Scale m Catalogue 4° Square B1-

		sc.1	sc.2	Magn.
fv	442		8.7	10.01
	443	5.8	6.0	11.28
	444	6.4	6.6	11.80
	445	5.2	5.4	10.80
	446	5.2	5.4	10.80
ur unit	447	5.2	6.4	11.62
	448	5.9	6.1	11.36
	449	5.5	5.7	11.03
	450	5.9	6.1	11.36
	451	6.0	6.2	11.44
	452	5.2	5.4	10.80
g	453		9.2	11.08
	454	5.9	6.1	11.36
	455	6.2	6.4	11.62
	456	6.1	6.3	11.53
	457	5.1	5.3	10.72
	458	6.1	6.3	11.53
	459	6.8	7.0	12.18
no numbers.	460			
	461			
	462			
	463			
	464			
	465			
fv	466		8.8	10.12
017a - 32 =	467			10.29

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1915phae.proj.10660

Wednesday February 14, 1917-

Scale m- Catalogue 4° Square B1-

sc mag 135

		sc 1	sc 2	Magn.
	468	5.9	6.1	11.36
g	469		8.6	10.34
g	470		8.7	10.46
g	471		8.5	10.22
	472	5.3	5.5	10.87
	473	5.6	5.8	11.10
	474	5.2	5.4	10.80
	475	5.9	6.1	11.36
g	476		8.8	10.58
g	477		8.5	10.22
	478	6.1	6.3	11.53
	479	5.1	5.3	10.72
fr	480		8.8	10.12
	481	5.3	5.5	10.87
g	482		8.7	10.46
	483	6.1	6.3	11.53
g	484		8.7	10.46
	485	6.1	6.3	11.53
g	486		8.6	10.34
	487	5.2	5.4	10.80
	488	6.2	6.4	11.62
	489	6.0	6.2	11.44
g	490		8.7	10.46
	491	5.4	5.6	10.95
	492	6.0	6.2	11.44
38 = 280 =	493			10.64 fr
	491a	6.5	6.7	to 1189

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1915phae.proj.10660

Wednesday February 14, 1917

Scale m. Catalogue 4° Square.

mc 7135

	sc 1	sc 2	Magn.
494	5.8 [60]		11.28
495	55 [57]		11.03
g 496		89	10.70
g 497		92	11.08
498	5.9 [61]		11.36

Reference sequence measured after 498, but recorded on fr. 19

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1915phae.proj.10660

Friday, February 23, 1917.

Scale R. 1:25-

Catalogue 4° Squares. mc 82 b8

B 2. YELLOW

	sc.1	sc.2	after at end of sitting sc.1	sc.2	P.C. sc.1	sc.2	sc.1	sc.2
1	·		·		6.6		6.8	
2	·		·		1.3		1.3	
3	B.		·		1.7			
4	B		·		1.4		1.4	
5	B.		·		8.1		8.1	
6	·		·		8.1		8.2	
7	B.		·		1.1		1.3	
8	·		B		8.8		8.8	
9	4.1		4.2		n.s.		n.s.	
10	B.		·		9.2		9.1	
11	B.		·		8.5		8.6	
12	3.2		3.1		9.9		9.8	
13	B.		B		9.6		9.4	
14	3.0		B		9.4		9.6	
15	3.9		4.1		n.s.		n.s.	
16	B.		2.9				9.2	
17	3.6	B.	3.8		10.1 ? #		10.1	
18	4.3	4.8 ?	4.4					
19	5.1	6.1	5.5					
20	5.2	5.6	5.4	5.6				
21	5.8	6.1	5.8	6.1				
22	6.2	6.3	6.2	6.4				
23	4.9	5.2	5.0	5.2				
24	5.0	5.4	5.2	5.5				
25	6.3	6.6	6.7	6.5				
26		7.6		7.9				

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Friday February 23, 1917.

Scale R. Catalogue 4° Squares. Ba. YELLOW

MC 8208

	AC 1	AC 2	AC 2	AC 1	AC 2
24a ~~24~~		7.2			7.2
24b		7.8[6]	7.3		7.6
25	6.4			6.5	
26		7.8			7.8
27		8.1			8.1
28		7.9			7.8
29		9.1			9.2
30		9.2			~~9.3~~
31		9.4			
31a		10.0			~~1.~~
32		ms.			ms.
33		ms			ms
~~29a~~		~~7.2~~			

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Friday February 23, 1917.

Scale m. Catalogue 4° Square. B2 YELLOW

MC 8208.

	g sc.1	g sc.2	h sc.1	h sc.2
1	5.7		5.9	
2	6.2		6.5	
3		7.1		7.1
4	6.4		6.6	
5		7.7		7.7
6		7.9		8.1
7	6.2		6.5	
8		8.3		8.4
9		8		7.
10		8.6		8.6
11		8 7.9		7.9
12		9.2		9.3
13		8.9		9.2? 8
14		9.1		9.4
15		10.0		7.
16		9.1		8.8
17		9.6		9.7
18		ms.		ms.

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Friday February 23, 1917.

Scale m. b Catalogue 4° Squared. Ø2. YELLOW

MC 8208

		sc.1	sc.2
fv	1		7.5
g	2		9.3?
fv	3		9.5 g
fv	4		9.8
fv	5		9.5
~~fv~~	5	4.2	~~8.2~~
fv+g g	6	4.2	
	7	4.2	
	8	4.1	
fv	9		8.1
	10	3.7	
fv	10		9.7
fv 05 =	11		8.2
fv	12		9.3
fv 06 =	13		8.1
	14	4.1	
fv+g g dbl.	15	3.4 6.7	
fv m.s	16	4.3	
g	17		9.4
	18	3.8	
fv	19		9.1
g	20		9.2 g
fv	21		9.2
fv	22	5.4	
fv	23		9.1
fv	24		8.2
fv	25	6.8	
	26	4.2	

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Friday February 23, 1917

Scale m. Catalogue 4° ~~Hera~~ Square. B2 YELLOW

Mc8208

		20.1	20.2	
fv+g gf	27	3.9		
	28	4.2		
fv	29		9.3	
*fv	30	~~3.4~~	9.4	
fv	31		9.2	
fv	32		1.3	
fv	33		8.6	
fv	34		9.1	
*	35	3.7⁵		
g	35		9.4	
	36	3.9		
fv	37		8.1	
fv	38		9.2	
	39	4.9		
fv+g very poor. E.	40	2.8?		
fv	41		8.8 8.9	
fv	42		9.1	
fv	43		9.1	
fv	44		8.8	
fv	45		8.8	
	46	3.1		
fv	46		9.2	
fv	47		8.6	
	48	4.2		
	49	3.8		
g	50		9.3	
fv 3 =	51		7.1	
	52	3.4		

Errors in marking plate. 30 should have been 36, 35 should have been 38.

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1915phaa.proj..10660

Friday February 23, 1917.

Scale m. Catalogue 4° Square. B 2. YELLOW

MC 8208

		rel sc.
g	53	8.1
f	54	8.8
f	55	9.5
g	56	9.4
f	57	9.3
f	58	1.9
g	59	9.7
g f.	60	3.1
	61	4.1
	62	4.3
f	63	9.2
f	64	9.8
f	65	9.2
f	66	8.2
f	67	9.4
f	68	9.6
	69	3.1
	70	5.18
f	71	8.0
f	72	9.4
f	73	9.7
	74	4.9
	75	4.8
g *	76	9.5
	77	3.8
nearly f.c, sup: g	78	8.1

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Friday February 23, 1917.

Scale m. Catalogue ♀ Squares. Bz YELLOW

MC 8708

		sc.1	sc.2
	79	4.1	
fv+g gf.	80'	3.6	
	81°	3.7	
	82	4.9	
	83	4.3	
	84	3.9	
fv	8 = 85		8.9
g	16 = 86		8.7
	15 = 87	4.2	
g	88		9.6
11 = fv	89		8.6
12 = g	90		9.3
fv	13 = 91		9.5
fv	14 = 92		9.4
g	93		9.2
4 = fv	94		1.3
fv	95		9.2
	96	3.8	
g	97		8.18
fv	98		8.8
g	= 99	4.2	
fv	10 = 100		9.2
fv	7 = 101		7.2
fv	102		8.6
	103	4.6	
fv	104		8.1

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Friday February 23, 1917.

Scale m Catalogue 4° Squares. B 2 - YELLOW

mc 82 68

		a		
		sc 1	sc 2	
	105	3.9		
	106	4.2		
∫v	107		9.6	
∫v	108		9.1	
	109	4.0		
dbl.?	110		8.4?	9?
	111	4.5		
g	112		9.1	
∫v	113		8.0	
∫v	114		9.5	
∫v	115		8.4	
	116	3.9		
∫v	117		9.9	
∫v	118		9.2	
∫v	119	6.5		
	120	4.0		
	121	3.9		
	122	3.8		
∫v	123		9.4	8
	124	3.6		
∫v	125	6.2		
∫v	126		7.6	
∫v	127		7.7	
∫v	128		8.1	
g	129		8.1	
∫v	130		9.1	

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Friday February 23, 1917.

Scale m. Catalogue 4° Square B 2 YELLOW

Mc 8208

		sc. 1	sc 2
fv	131		8.9
	132	4.0	
fv	133		8.6
fv	134		9.1
fv	135		8.7
g	136		9.6 ~~9.8~~
	137	3.5	
fv	138		9.2
fv	139		7.9
fv	140		9.6
fv	141		8.8
fv	142		8.8
dbl?	143	4.4	
fv	144		8.2
g	145		8.4
fv	146		9.6
fv l =	147	6.6	
	148	4.2	
fv	149		9.6 ~~9.8~~
fv	150		9.7
	151	4.0	
	152	4.0	
	153	4.1	
	154	3.8	
g	155		9.1

360

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Saturday ~~Friday~~ February 24, 1917.

Scale m. 10 30 — Lo stalogue 4° Square. mc 8208 — B2. YELLOW

	Pic sc.1		Pic sc.1		Pic sc.1 sc.2	Pic sc.1 sc.2
1	B		B.		6.6	6.7
2	.		.		7.5	7.4
3	.		.		7.7	7.8
4	.		.		7.5	7.3
5	.		.		8.1	8.2
6	.		.		8.3	8.2
7	.		.		7.3	7.4
8	.		.		8.8	8.8
9	4.3		4.2		n.s.	n.s.
10	B		B		9.1	9.1
11	B		B		8.6	8.4
12	3.0		3.0		9.1	9.8
13	B.		B		9.1	9.3
14	B.		3.1		9.4	9.2
15	4.0		4.1		n.s.	n.s.
16	B.		B.		9.2	9.3
17	3.7		3.7		10.1?	10.1?
18	4.2		4.4		n.s.	n.s.
19	5.1		5.8			
20	5.3		5.3			
21	5.8		5.9			
22	6.2		6.4			
23	5.1	5.2	5.0			
24	5.1	5.4	5.2			
24a		1.2		1.2		
24b		1.6		1.1		

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~~Saturday~~
~~Friday~~ February 24, 1917.

Scale m. Catalogue 4° Squares. B 2. YELLOW

mc 8208

	sc.1	sc.2	sc.1	sc.2
25	6.5		6.7	
26		8.1		7.9
27		8.1		8.1
28		8.0		7.9
29		9.2		9.1
30		9.2		9.4
31		9.5		9.6
31a		?		?
32		ns		

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Saturday February 24, 1917.

Salem. Catalogue 4° Square. B2 YELLOW

	g		h	
	sc.1	sc.2	sc.1	sc.2
1	5.9		5.8	
2	6.5		6.5	
3		7.2		7.2
4	6.4		6.3	
5		7.7		7.8
6		8.1		8.1
7	6.3		6.2	
8		8.5		8.5
9		7.		9.
10		8.6		8.6
11		7.9		7.9
12		9.2		9.4
13		9.28		
14		9.20		9.4
15		10.0		9.8
16		9.1		8.8
17		9.1		9.1
18		n.s.		n.s.
19				
20				
21				
22				
23				
24				

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1915phae.proj.10660

Saturday February 24. 1917.

Scale m. Catalogue 4° Squares. Ø2 YELLOW

mc 8 2608

		pc.1	pc.2
	fv 156		8.2
	fv 157		9.3
	fv 158		9.2
	fv 159		8.6
	fv 160		9.1
	fv 161		9.2
	fv 162		9.4
	163	3.8	
	fv 164		9.2f
261 =	fv 165		8.8? f
	fv 166		9.1
	fv 167		9.3
	f 168		9.2
	fv 169		9.8
	fv 170		9.6
f, e	fv 171		8.7
f, e	fv 172	6.8	
	fv 173		7.6
	fv 174		7.1
	fv 175		8.8
	176		
	177		
	178		
	179		
	180		
	181		

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Saturday February 24-1917.

Scale m. to catalogue 4° Squares. B 2. YELLOW

mc 8208

pc.1 sc.2

	202	182	4.1 8 -
	203	183	4.2
	204	184	
	205	185	
	206	186	
	207	187	
	208	188	
g8	209	189	3.5
	210	190	
	211	191	4.7
	212		4.7
	213		
	214		
	215		
	216		
	217		
	218		
	219		4.4
g	220		9.6
	221		
	222		4.2
018 =	223		4.4
017 = fr	224		3.9
	224		9.6
close dbl.	225		
	226		4.4
	227		4.0

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Saturday February 24, 1917.

Scale m. Le catalogue 4° Square B2 YELLOW

Mc 8208

		sc.1	sc.2
	228	4.1	
fv	230		9.1
g	231		9.4
g	237		9.2
	238	3.8	
g	240		9.1
	241	4.2	
g	242	4	9.4
	244	3.7	
	247	3.5g	
g	248		9.1
fv	249		9.2
fv	250		8.4
g	251		9.4
	252	4.7 hom	
	253	4.3 hom	
	254	4.9 hom	
g	255	dbl.	
	259	4.4	
	260	4.9	
165 = fv	261		8.8 9g
fv	262		9.2
	263	4.8g	
fv	264		9.4
	265	4.4g	
	266	4.5	
	267	4.7	

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Saturday February 24. 1917.

Scale m. Catalogue 4° Squares. Dz. YELLOW

MC 8208

		sc.1	sc.2
w	268		8.2
w	269		8.4
w	270	5.1	
	271	5.0	
	272	5.0	
q	273		8.9
w	274		9.6
w	275	6.1	
w	276		7.1
	277	4.8	
	278	4.2	
q	279		9.6
w	280		8.8
	281	4.2	
	282	4.1	
	283	3.9	
	284	4.2	
q	285		9.3
	~~287~~		
	288	4.9	

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Saturday February 24, 1917.

Scale m. Catalogue 4° Square. B2. YELLOW

M 08208

		sc. 1
	301	5.4
	302	5.8?
	303	5.3
	304	4.4°
	305	4.1
	306	4.9
	307	4.4
?	308	
	309	5.1
	310	6.1
	311	4.2
	312	5.1
	313	5.9
	314	4.3
	315	4.1
	316	5.0.
?	317	
	318	5.1
	319	5.1
319a ? -	320	5.0
	320	5.0
	321	4.2
	322	6.0
	323	5.0
	324	5.5
	325	4.4

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Saturday February 24, 1917.

Scale M Isolatogue 4° Square. B2 YELLOW

Mc 8268

	Rc.1	Rc.2
326	4.6	
327	5.1	
327a	5.1	
328	6.1	
329	5.1	
330	5.1	
331	4.5	
332	5.5[3]	
333	4.9	
334	4.7	
335	4.4	
335a	6.3	
336	6.1	
337	4.8	
380 = 338	5.3	
339	5.0	
340	6.4	
341	5.4	
? 342	~~6.3~~	
343	6.2	
344	5.2	
345	5.7 8	
346	6.1	
347	5.8	
348	5.2	
349	5.0	
350	5.8	
351	6.1	

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Saturday February 24. 1917.

Scale m. Catalogue 4° Squares. B_2 YELLOW

Mc 8208

	no.1
352	5.1
353	3.1
354	5.9
355	5.8
356	5.2
357	4.2
358	4.8
359	4.9
360	5.1
361	5.4
362	5.2
363	5.0
364	5.4
365	5.1
366	5.3
367	4.5
368	4.8
369	5.9
370	4.8
371	5.9
372	5.8
373	5.6
374	4.7
375	4.9
376	5.9
377	6.1

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Saturday February 24, 1917.

Scale m. Catalogue 4° Squares. B2. YELLOW
MC82 of

	pg.1
378	6.8
379	6.1
338 - 380	.
381	6.6
382	6.21
383	5.3
384	6.1
385	6.3
386	6.1

1:15
1:30
15m rest for looking at wrong marking

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Thursday March 8, 1917.

Scale m 2.10 — For Catalogue 4° Square. MC 7885 — B 3. Superposed on mc 8059.

		sc.1	sc.2	after no. 183. sc.1	sc.2	B.C. sc.1	sc.2	sc.1	sc.2	Mean.	
01						4.8 5.0	5.10 +1	5.2	5.1 5.3	5.20	10 10
02						5.2 5.4	5.45 01	5.5	5.0 5.2	5.32	13 12
03						5.5 5.7	5.70 00	5.7	5.6 5.8	5.75	05 05
04						5.9 6.1	6.00 +1	5.9	5.9 6.1 6.1	6.05	05 05
05						5.7 5.9	5.95 +0	6.0	5.7 5.9 5.9	5.92	03 02
06						6.1 6.3	6.30 00	6.3	6.1 6.3 6.4	6.32	02 03
07	B.					6.3 6.5	6.60 +1	6.7	6.5 6.7 6.8	6.68	08 07
07a	B.							7.1	6.8 7.0 7.1	7.08	02 03
08	B.							7.4	7.5	7.45	01
09	B							7.6	7.7	7.65	01
010	B.				Mean.			8.1	8.1	8.10	00
011	3.3 3.5				3.5			8.2	8.4	8.30	11
012	3.7 3.9		3.7 3.5		3.80 +1			8.7	8.7	8.70	00
013	3.8 4.0		3.8 3.6		3.90 +1			8.8	9.0	8.90	11
014	3.9 4.1		4.1 3.9		4.10 00			9.1 8.8	8.9 9.1	9.10	00
015	4.4 4.6		4.8 4.6		4.70 +1			9.2	9.2	9.20	00
016	4.8 5.0		5.0 4.8	5.0	5.00 00			9.5 from	9	9.5	a.
017	4.8 5.0 4.8	4.90 +1	5.0 4.8	4.9	4.95 01			9.4	9.4	9.40	00
018	4.7 4.9 4.9	4.90 00	5.0 4.8	5.1	5.05 01			9.4	9.5	9.45	01
019	5.0 5.2 5.4	5.30 +1	5.1 4.9	5.3	5.20 +1			9.1?	9.1?	9.70?	00
020	5.5 5.7 5.8	5.75 +0	5.9 5.1	5.8	5.85 10			7.	7.		
021	5.5 5.7 5.9	5.80 +1	5.9 5.1	6.2	6.05 +2					5.92	13 13
6.15 01 021a	6.0 6.2	6.1 6.15 01	5.8 6.0							6.08	03 02 01 05
022	6.2 6.4	6.1 6.55 31	6.4 6.6	6.6	6.60 00					6.58	
022a	6.7 6.9	7.1 7.00 +1	6.9 7.1	7.2	7.15 +0					7.08	08 07
023	6.9 7.1	7.2 7.15 +0		7.4						7.28	13 12
024		7.5		7.7						7.60	+1

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Thursday March 8, 1917.

Scale m. Catalogue 4° Square. B 3.

Mc 7885 Cont

		eq. 2	Mean.
025	7.7	7.7	7.70 00
026	7.9	7.8	7.85 10
027	~~7.9~~ 8.0	7.9	7.95 01
028	8.21	8.2	8.20 00
029	8.3	8.3	8.30 00
030	8.4	8.4	8.40 00
031	8.6	8.4	8.50 11
032	9.0	8.1	8.85 21
033		8.1	8.1 · a
033a	9.3	9.3	9.30 00
34		9.5	9.5
35	9.7	9.8	9.75 10
36	†	†	
37	n.s.	n.s.	

4:20.

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1915phae.proj.10660

Thursday March 8, 1917.

Scale m. Catalogue 4° squares, B 3.

Mc 7885 cont. Diffr. Inm.

	g sc.1	g sc.2	h sc.1	h sc.2	Mean.
01	B.		B.		
02	4.1	4.3	4.1	4.3	4.30 00
Edge 03	t.l.		g		
04	5.4	5.6	5.3	5.5	5.55 01
05	5.1	5.3	5.1	5.3	5.30 00
06	5.5	5.7	5.6	5.8	5.75 10
07	5.5	5.7	5.4	5.6	5.65 10
07a	6.3	6.5	6.2	6.4	6.45 10
08	6.6	6.7	6.4	6.6	6.65 10
09	7.*	2	6.6	6.8	7.1 7.03 22 1
010	7.9		7.6	7.7	7.75 12
011	7.7		7.6	7.6	7.65 10
012	8.1		8.1	8.1	8.10 00
013	8.4		8.2	8.3	8.30 11
014	8.4		8.4	8.4	8.40 00
015	8.1		8.1	8.1	8.10 00
016	8.8		8.7	8.7	8.75 01
017	8.8		8.6	8.7	8.70 11
018	8.9		8.7	8.8	8.80 11
019	9.1		9.1	9.1	9.10 00
020	9.2		9.3	9.2	9.25 01
021	9.4		9.5	9.4	9.45 01
022	9.9		99	99	990 00
022a	n.s.		n.s.		

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1915phae.proj.10660

Thursday March 8. 1917.

Scale m. Catalogue 4° Square B 3.
No 7885 cont.

	sc.1	sc.2	Magn.
fr 1		8.5	9.74
fr 2		7.8	9.11
fr 3		7.0	8.40
fr 4		8.8	10.03
fr 5		8.4	9.64
fr 6		8.1	9.38
fr 7		8.2	9.47
fr 8		8.6	9.84
fr 9		8.4	9.64
fr 10		8.4	9.64
fr 11		7.7	9.00
fr 12		8.5	9.74
03 = 13		.	~~11.36~~ fc
fr 14		8.4	9.64
fr 15		9.2 from	10.42 sg
g 15		8.5	10.30
fr 16	4.1	4.3	10.22
fr 17		8.8	10.03
fr 18		8.9	10.12
fr 19		8.8	10.03
fr 20		8.2	9.47
fr 21		8.2	9.47
fr 22	6.1	6.3	~~11.84~~ 7.9 o
fr 23		7.8	~~9.11~~ 9.11
fr 24		7.4	8.72
fr 25	2.9	3.1	..
fr 26		8.1	9.38

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1915phae.proj.10660

Thursday March 8, 1917.

Scale m. Catalogue 4° Square. B3.

Mc 7885 cont.

	sc.1	sc.2	Magn.
fv 27		8.2	9.47
fv 28		8.9	10.12
fv 29	39	41	..
fv 30		8.4	9.64
fv 31		6.9	8.33
fv 32		8.7	9.93
f 33		8.6	10.44
fv 34	59	6.1	7.74
35			
fv 36		8.8	10.03
fv 37	6.7	6.9	8.33
fv 38		8.7	9.93
fv 39		8.1	9.38
fv 40		9.0	10.22
fv 41	57	59	7.59
fv 42		9.1	10.32
06 = 43			
fv 44		8.7	9.93
fv 45		9.1	10.32
fv 46		8.8	10.03
fv 47		8.2	9.47
fv 48		8.9	10.12
fv 49		8.4	9.64
fv 50		9.2	10.42
fv 51	3.2	34	..
fv 52		7.7	9.00

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1915phae.proj.10660

Thursday March 8, 1917.

Scale M. Catalogue 4° Square. B3.

Mc 4885 cont.

	sc.1	sc.2	Magw.
09 = 53		.	
fv 54		7.9	9.20
fv 55		8.2	9.47
04 = 56		.	
fv 57		8.5	9.74
05 = 58		.	
010 = 59		.	
fv 60		8.0	9.29
08 = 61		.	
fv 62		7.7	9.00
fv 63		7.5	8.82
fv 64		7.9	9.20
(R.c. close by star) fv 65		7.4	8.72
fv 66		9.2	10.42
(C. very close to a bright star) fv 67		8.7 v.p.	9.93 gf
fv 68		8.8	10.03
fv 69		9.5 faint	10.72
fv 70		8.6	9.84
fv 71		8.1	9.38
fv 72		8.5	9.74
73	5.0 52		10.91
fv 74	5.6 58		11.40
fv 75	5.4 56		11.23
fv 76		8.9	10.12 ~~11.03~~
fv 77		9.4 v.p.	10.62
9 78		8.7 p.	10.56
fv 78		8.8	10.03

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1915phae.proj.10660

Thursday, March 8, 1917.

Scale m. Catalogue 4° Square. B3

Mc 7885

		oc.1	oc.2	Magw.
p	79		8.0	9.29
p	80		8.4	9.64
p	81		9.1	10.32
p	82		8.5	9.74
p	83		8.2	9.47
p	84		8.2	9.47
p	85	58.0		7.67
p	86		8.1	9.93
p	87		7.1	8.48
p	88		8.8	10.03
p	89		8.3	9.56
p	90		9.4	10.62
p	91		7.6	8.91
p	92		8.2	9.47
p	93		7.1	8.48
p	94		8.5	9.74
p	95		9.1	10.32
p	96		7.9	9.20
p	97		9.2	10.42
p	98		8.6	9.84
g	99		8.1	10.56
p	100		7.5	8.82
p	101		8.1	9.38
g	102		8.5	10.30
g	103		7.9	9.61
p	104		7.2	8.56

P.C. defective

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Thursday ~~F~~ March 8. 1917.

Scale m. Catalogue 4° Square B3.
Mc 7885 cont.

		sc.1	sc.2	magw.
fv	105	$63^{6.5}$		8.04
fv	106		8.2	9.47
	107	$46^{4.8}$		10.60
g	108		8.2	10.00
fv	109	$64^{6.6}$		8.12 ~~12.11~~
fv	110		9.1	10.32
fv	111		8.3	9.56
fv	112		8.1	9.38
fv	113		8.5	9.74
011 =	114		.	
fv	115		8.1	993
fv	116	$42^{4.4}$		.. B
013 =	117		.	
g	118		8.6	10.44
g	119		8.8	10.68
	120	$51^{5.3}$		10.99
fv	121		9.2	10.42
g	"		8.6	10.44
012 =	122		.	..
fv	123		8.1	9.93
01a =	124		.	.
fv	125		7.9	9.20
fv	126		8.1	9.93
fv	127		8.4	9.64
014 =	128		.	
016 =	129		.	
015 =	130		.	

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Thursday March 8, 1917.

Scale m. Catalogue 4° Square B 3.

Mc 7885 cont.

	sc.1	sc.2	magn.
018 = 131		.	.
h 132		8.5	9.74
h 133		8.9	10.12
q 134		7.9	9.61
h 135		8.1	9.38
q 136		8.7	10.56
h 137		7.7	9.00
h 138		8.5	9.74
h 139	6.4 6.6		8.12
h 140		7.9	9.20
h 141		9.2	10.42
h 142	6.5 6.7		8.20
h 143		8.4	9.64
h 144		9.2	10.42
h 145		8.2	9.47
h 146	6.8 7.0		8.40
02 = 147		.	.
07 = 148		.	.
h 149		8.5	9.74
h 150		8.3	9.56
h 151		8.6	9.84
h 152		8.6	9.84
h 153	3.2 3.4		..
close dbl. 154	pretty faint.		q
01 = 155		.	
h 156		8.1	9.38

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1915phad.proj..10660

~~Fred~~ Thursday March 8, 1917.

Scale m. Catalogue 4° Square. B3.

Mc 7885

	sc.1	sc.2	magn.
fr 157		8.1	9.93
fr 158		8.1	9.93
fr 159		9.4	10.62
fr 160		8.4	9.64
fr 161		9.2	10.42
fr 162		9.1	10.32
fr 163		8.2	9.47
164	4.1	4.9	10.68
fr 165		9.1	10.32
fr 166		8.3	9.56
fr 167		8.6	9.84
fr 169		7.5	8.82
q 170		8.4	10.20
q 171		8.3	10.10
fr 172		9.2	10.42
fr 173		8.6 from	9.84
fr 174		8.2	9.47
fr 175		8.6	9.84
fr 176		8.0	9.29
fr 177		7.9	9.20
fr 178		8.1	9.38
q 179		8.7	10.56
fr 180		8.7	9.93
fr 181		8.6	9.84
fr 182		8.4	9.64
fr 183		8.2	9.47

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1915phae.proj.10660

Friday March 9. 1917.

Sheet 12

Scale m. 9.385

For Catalogue 4° Squares. B 3

Mc 7885 cont.

	sc.1	sc.2			P.C. sc.1	P.C. sc.2	sc.1	sc.2	Mean.	P.110.	Mean.	Diff.
01					4.8 5.0		4.8 5.0		5.00 00	5.20	5.10 10 10	+1.88
02					5.3 5.5		5.1 5.3		5.40 11	5.32	5.36 04 04	1.77
03					5.6 5.8		5.4 5.6		5.70 11	5.75	5.72 02 03	1.73
04					5.9 6.1		5.9 6.1		6.10 00	6.05	6.08 02 03	1.71
05					5.8 6.0	5.8 5.9 0 1 1	5.1 5.9	5.9 0 0	5.90 00 00	5.92	5.91 01 01	1.85
06					6.2 6.4	6.4 6.4 0 0	6.1 6.3	6.3 5 1 0	6.38 02 03	6.32	6.35 03 03	1.63
07					6.4 6.6	6.7 6.5 0 1	6.8 6.6	6.4 6.5 0 1 1	6.58 01 08	6.68	6.63 05 05	1.38
07a					6.8 7.0	7.1 7.0 5 0 1	6.7 6.9	7.1 7.0 0 1 1	7.02 03 02	7.08	7.05 03 03	1.43
08	B.		B			7.4		7.6	7.50 11	7.45	7.48 02 03	1.22
09	B.		B			7.8		7.7	7.75 01	7.65	7.70 05 05	1.39
010	B.		B			8.3		8.1	8.20 11	8.10	8.15 05 05	1.37
011	3.4	3.6	B.	3.8	3.5	3.55 0 1	+6.01	8.3	8.3	8.30 00	8.30	8.30 00 00	1.26
012	3.5	3.7	3.6		3.80	3.78 03 02	6.06	8.1	8.1	8.70 00	8.70	8.70 00 00	1.14
013	3.9	4.1	3.9	4.1	3.90	4.00 10 10	6.11	8.8	8.9	8.85 01	8.90	8.88 02 02	1.23
014	4.0	4.2	4.2	4.20 00 4.3	4.10	4.12 13 12	6.09	9.1	9.1	9.10 00	9.10	9.10 00 00	1.11
015	4.4	4.6	4.8	4.7 0 1 1 4.8	4.70	4.72 03 02	5.73	9.2	9.2	9.20 00	9.20	9.20 00 00	1.25
016	4.7	4.9	4.9	4.90 00 5.0	5.00	4.98 03 02	5.73	9.6	9.7	9.65 01	9.5	9.58 07 08	1.13
017	4.7	4.9	4.8	4.85 10 4.7	4.92	4.85 07 07	5.83	9.3	9.3	9.30 00	9.40	9.35 05 05	1.33
018	4.6	4.8	4.9	4.85 01 4.8	4.98	4.90 08 08	5.92	9.6	9.5	9.55 01	9.45	9.50 05 05	1.32
019	4.9	5.1	5.3	5.20 1 1 5.1	5.9	5.20 1 1	5.25 5.22	5.73	98? rejected	q.	98? a.	9.70?	9.75? 05 05	1.20?
020	5.5	5.7	5.6	5.65 10 5.8	5.6	5.7	5.75 0 1	5.80 5.75	5.56	n.s.				
021	5.5	5.7	5.9	5.80 1 1 5.8	5.8	5.80 00	5.92 5.86	5.62						
021a	6.1	6.3	6.2	6.25 10 6.1	5.9	6.3	6.20 1 1	6.08 6.15	5.63					
022	6.2	6.4	6.1	6.55 2 1 6.5	6.3	6.5	6.50 00	6.58 6.55	5.55					
022a	6.9	7.1	7.1	7.10 00	6.8	7.1	7.05 0 1	7.08 7.08	5.45					
023	6.9	7.1	7.1	7.10 00	6.9	7.1	7.10 00	7.28 7.19	5.39					
024			7.6		7.6	7.60	00	7.60 7.60	5.22					

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1915phaa.proj.10660

Friday March 9, 1917.

Scale m. Catalogue 4° Square D3.

Mc 7885 cont

	sq 2	sq 2		P.111	Mean.	Diff.
025	7.6	7.6	7.60 00	7.70	7.65 05 05	+5.42
026	7.8	7.7	7.75 01	7.85	7.80 05 05	5.47
027	7.9	7.8	7.85 10	7.95	7.90 05 05	5.52
028	8.1	7.9	8.00 11	8.20	8.10 10 10	5.51
029	8.3	8.3	8.30 00	8.30	8.30 00 00	5.49
030	8.4	8.4	8.40 00	8.40	8.40 00 00	5.44
031	8.4	8.5	8.45 01	8.50	8.48 03 02	5.61
032	8.7	8.8	8.75 10	8.85	8.80 05 05	5.86
033	8.7	8.8	8.75 10	8.7	8.72 03 02	5.70
034	9.5	9.6	9.55 10	9.5	9.52 03 02	5.62
035	9.6	9.6	9.60 00	9.75	9.68 08 07	5.68
036	?	?		MS.		

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Friday March 9, 1917.

Scale m. for Catalogue 4° Squares. B3.

Mo 7885

Diff. Images.

	g. sc.1	sc.2	h sc.1	sc.2			P.112 omitted by mistake when Diff was taken.		Mean.		Diff.
01	36	3.8	B	3.8 ±		+3.18					
02	4.2	4.4	4.1	4.3	4.35	.01	2.18	4.30	+05	4.32	03 02 2.81
03	gf		gf								
04	5.4	5.6	5.3	5.5	5.55	01	2.24	5.55	00	5.55	00 00 2.24
05	5.1	5.3	5.1	5.3	5.30	00	2.46	5.30	00	5.30	00 00 2.46
06	5.8	6.0	5.6	5.8	5.90	11	2.08	5.75	+15	5.82	08 01 2.16
07	5.5	5.7	5.4	5.6	5.65	10	2.86	5.65	00	5.65	00 00 2.36
07a	6.4	6.6	6.2	6.4	6.50	11	1.98	6.45	+05	6.48	02 03 2.00
08	6.5	6.7	6.6	6.8	6.75	10	1.95	6.65	+10	6.70	05 05 2.00
09	6.8	7.0			7.1 7.05	01	2.04	7.03	+02	7.04	01 01 2.05
010		7.8			7.9 7.85	01	1.67	7.75	+10	7.80	05 05 1.72
011		7.7			7.6 7.65	10	1.91	7.65	00	7.65	00 00 1.91
012		7.9			8.1 8.00	11	1.84	8.10	-10	8.05	05 05 1.79
013		8.4			8.2 8.30	11	1.81	8.30	00	8.30	00 00 1.81
014		8.3			8.4 8.35	10	1.86	8.40	-05	8.38	03 02 1.83
015		8.1			8.7 8.70	00	1.75	8.70	00	8.70	00 00 1.75
016		8.8			8.1 8.75	10	1.96	8.75	00	8.75	00 00 1.96
017		8.8			8.8 8.80	00	1.88	8.70	+10	8.75	05 05 1.93
018		8.9			8.7 8.80	11	2.02	8.80	00	8.80	00 00 2.02
019		8.8			9.1 8.95	10	2.00	9.10	-15	9.02	07 08 1.93
020		8.8			9.2 9.00	22	2.31	9.25	-25	9.12	12 13 2.19
021		9.4			9.5 9.45	01	2.03	9.45	00	9.45	00 00 2.03
021a		9.1			9.7 9.70	00	2.08				2.08
022		9.9			9.9 9.90	00	2.20	9.90	00	9.90	00 00 2.20
022a		10.0			10.0 ±		2.53		+57 −55		2.53
023		n.s.									
024								No. #21 ±.05			
025											

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Friday March 9, 1917.

Scale m. Catalogue 4° Square. B3.

MC 7885 cont.

		sc.1	sc.2	Magw.
fr	184		9.1	10.32
f.c. from	185	4.3	4.5	10.38
	186	4.1	4.3	10.22
fr	187		9.2	10.42
edge, f.c. from.	188	3.8?	4.0 from	10.00? gf
g from	189	4.3	4.5	10.38
fr	189		9.5 from	10.72
g	201		8.1	10.56
	202	5.1	5.3	10.99
g	203		8.1	10.56
	204	6.5	6.7	12.20
	205	5.5	5.7	11.32
	206	4.8	5.0	10.75
	207	4.9	5.1	10.83
	208	5.9	6.1	11.66
g	209		8.8	10.68
	210	5.0	5.2	10.91
g	211		8.1	10.56
g	212		8.6	10.44
fr	213		8.8 from	10.03
	214	5.1	5.3	10.99
	215	4.7	4.9	10.68
fr	215a		9.2	10.42
	216	4.7	4.9	10.68
g	217	5.0	5.2	10.68 10.91
g	218		8.8	10.68
g	219		8.1	10.56

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Friday March 9, 1917.

Scale m. Catalogue 4° Square. B3.

mc 7885

	ΔC1	ΔC2	Magw.
220	4.8	5.0	10.75
g 220		8.9	10.80
g 221		8.6	10.44
222	5.5	5.7	11.32
223	4.0	4.2	10.15
g 224	5.7	5.9	10.44
		8.6	11.49
225	4.9	5.1	10.83
h 226		9.3	10.52
g 227		8.8	10.68
228	5.4	5.6	11.23
229	5.0	5.2	10.91
230	4.9	5.1	10.83
231	6.1	6.3	11.84
g 232		8.2	10.00
233	4.7	4.9	10.68
234	5.3	5.5	11.16
235	4.8	5.0	10.75
236	4.9	5.1	10.83
237	5.5	5.7	11.32
238	5.1	5.3	10.99
239	6.1	6.3	11.84
240	4.5	4.7	10.53
g 241		8.8	10.68
242	4.5	4.7	10.53
243	5.1	5.3	10.99
244	5.7	5.9	11.49
245	5.7	5.9	11.49

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1915phaa.proj.10660

Friday March 9, 1917.

Scale m. Catalogue 4° Square B 3.

MC 7885

	sc.1	sc.2	Magn
246	5.7	5.9	11.49
247	5.9	6.1	11.66
248	5.4	5.6	11.23
249	5.4	5.6	11.23
250	5.7	5.9	11.49
251	4.9	5.1	10.83
252	4.9	5.1	10.83
253	5.6	5.8	11.40
254	5.9	6.1	11.66
255	5.9	6.1	11.66
256	6.5	6.7	12.20
257	5.0	5.2	10.91
258	4.9	5.1	10.83
259	6.4	6.6	12.11
260	5.9	6.1	11.66
261	4.8	5.0	10.75
262	4.8	5.0	10.75
263	6.6	6.8?	12.30?
264	6.1	6.3	11.84
265	5.7	5.9	11.49
266	6.6	6.8	12.30
267	6.2	6.4	11.93
268	5.2	5.4	11.07
269	5.9	6.1	11.66
270	6.4	6.6	12.11
271	5.3	5.5	11.16

diffr. lnn. of 137 suppose

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1915phae.proj.10660

Friday March 9. 1917.

Dale m. Catalogue 4° Squares. B 3.

MC 7885 cont.

	no.	Magn.
272	5.1	10.83
273	4.9	10.68
274	6.2	11.75
275	5.4	11.07
276	5.6	11.23
277	5.0	10.75
278	5.7	11.32
279	5.5	11.16
280	5.5	11.16
~~281~~		
~~282~~		
~~283~~		
~~284~~		
~~285~~		
~~286~~		

11.20.

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1915phae.proj.10660

Tuesday March 12, 1917.

Sheet 13

Scale ~~M.~~ R 10—

Catalogue 4° Square B4.

R Mc 4807.

		sc 1	sc 2			P.C. sc 1	sc 2		P.C. sc 2	Diff.
	1	B.				~~8.9~~ 9.2 ~~9.7~~		9.30 ±1	9.4	-1.94
	2	B					9.4	9.60 ±2	9.8	2.16
	3	B				~~10.5~~	9.8	9.90 ±1	10.0	2.35
	4	B					10.3	10.30 ··	10.3	2.34
	5	B					10.6	10.60 ··	10.6	2.40
ffpl.	6	.					10.7	10.70 ··	10.7	2.42
	7	B.		Mean.	Diff.		11.1	11.10 ··	11.1	2.55
	8	5.4 5.7		5.5 5.8	5.75 ±0	+3.24	11.4	11.50 ±1	11.6	2.51
	9	5.4 5.7		5.4 5.7	5.70 ··	3.25	11.4	11.40 ··	11.4	2.45
	10	6.0 6.3		6.0 6.3	6.30 ··	3.04	12.1	12.10 ··	12.1	2.76
	11	6.4 6.7		6.6 6.9	6.80 ±1	2.85	12.2	12.30 ±1	12.4	2.65
	12	7.1 7.4		7.1 7.4	7.40 ··	2.50	13.1	13.10 ··	13.1	3.20
	13	6.4 ~~6.7~~ 6.7		6.8 6.9	6.90 ±2	2.88	12.5	12.60 ±1	12.7	2.82
	14	7.4 7.7	7.7 7.70 ··	7.6 7.9	7.85 ±10	2.31	13.1	13.10 ··	13.1	2.99
	15	7.5 7.8 ~~7.8~~	7.80 ··	7.6 7.9	7.85 05 05	2.53	13.2	13.25 01	13.3	2.87
	16	~~8.2~~ 8.5 ~~8.2~~	8.4 8.45 10	8.4 8.7	8.58 13 12	2.04	13.2 3 ~~13.1~~	13.30 ··	13.3	2.68
	17	8.5 8.8 9.1	9.2 9.15 ±0	8.9 9.2	9.18 03 02	1.84	13.1	13.75 ±0	13.8	2.73
	18	8.4 8.7	8.5 8.60 12	8.6 8.9	8.75 15 15	2.03	13.4	13.45 01	13.5	2.67
	19	8.9 9.2	9.3 9.25 01	8.8 9.1	9.18 07 08	2.00	14.0	14.00 ··	14.0	2.82
	19a	~~9.0~~ 9.0 9.2	9.5 9.35 ±1		9.5 ~~9.38~~ 9.42 07 08	2.06	n.s.		n.s.	
	20		9.8		10.1	10.05 ±1	1.83			
	21	8.7 9.0	8.9 8.95 01		9.1	9.02 07 08	2.07			
	22		10.3		10.3	10.30 ··	1.63			
	23		10.7		10.7	10.70 ··	1.56			
	24		10.6		10.5	10.55 01	1.81			
	25		10.6		10.7	10.60 01	1.71			

Sc. M in use, ∴ used Sc. R.

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Tuesday March 12, 1917.

Scale R. Catalogue 4° Square. B4.

Mc 4807

	sc.2	sc.7	mean.	Diff.
26	11.1	11.2	11.15 ± 0	+1.58
27	11.7	11.7	11.70 00	1.58
28	11.8	11.7	11.75 01	1.66
29	11.9	12.2	11.95 ± 0	1.55
30	12.1	12.2	12.15 ± 0	1.75
31	12.7	12.6	12.65 1 0	1.65
32	13.2	13.4	13.30 ± 1	1.52
33	13.3	13.4	13.35 ± 0	1.78
34	13.4	13.4	13.40 00	2.02
35	13.6	13.6	13.60 00	1.86
36	13.8	13.8	13.80 00	1.66
37	↓.	↓.	. .	
38	n.s.	n.s.	. .	

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Tuesday March 12, 1917.

Scale R Catalogue 4° Square B4.

Mc 4807.

		g sc.1	g sc.2	h sc.1	h sc.2	Mean.	
	1	8.3	8.6	8.4	8.7	8.65 01	-1.29
Edge	2		~~8.8~~ f.			. .	
	3	8.5	8.6	8.6	8.9	8.75 ±1	1.20
	4	8.8	9.1		9.5	9.30 ±2	1.44
Edge	5	f			f	. .	
Edge ~~f~~	6	.	g		g	. .	
	7		9.8		10.1	9.95 ±1	1.40
	8		10.6		10.7	10.65 01	1.66
	9		10.7		10.7	10.70 00	1.75
assume wr. unit See 030:57.	10		11.3		11.4	11.35 ±0	2.01
	11		11.~~7~~1		11.9	11.80 ±1	2.15
	12		11.9		12.1	12.00 ±1	2.10
	13		11.7		11.6	11.65 10	1.87
	14		12.2		12.2	12.20 00	2.09
	15		12.2		12.5	12.35 ±1	1.97
	16		12.1		12.6	12.65 10	2.03
	17		13.3		13.3	13.30 00	2.26
	18		13.1		12.8	12.95 12	2.17
	19		13.3		13.2	13.25 10	2.07
	19a		13.3		13.4	13.35 ±0	1.87
	20		13.6		13.8	13.70 ±1	1.82
	21		13.2		13.4	13.30 ±1	2.21
	22		13.9		13.9	13.90 00	1.97
	23		f		f	. .	
	24		n.s.		n.s.	. .	
	25	f					

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Tuesday March 13, 1917.

Scale R

Catalogue 4° Square. B4.

Mc 4807.

	sc 1	sc 2	Magn.
hr 1		11.9	9.24
hr 2		13.2	10.32
hr 3		12.1	9.40
hr 4		13.1	10.21
hr 5		13.2	10.32
hr 6		11.6	9.00
hr 7		12.5	9.70
04 = 8			
9	7.7 80		10.35
10	7.4 77		10.18
hr 11		12.1	9.40
hr 12		12.3	9.55
07 = 13			~~10.0~~
14	7.2 75		10.04
02 = 15			
hr 16		12.2	9.47
17	8.3 86		10.75,
hr 18		12.5	9.70
hr 19		12.2	9.47
20	7.8 81		10.42
hr 21		11.9	9.24
hr 22		13.1	10.21
hr 23		13.0	10.12
hr 24		12.1	9.40
25	7.6 79		10.30
345 hr ~~26~~		12.8	9.96

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Tuesday March 13, 1917.

Scale R Catalogue 4° Square Q4.
Mc 48 dy.

		sc.1	sc.2	Magn.
dbl?	g 27		12.1	9.99
	h 28		13.4	10.56
	h 29		12.8	9.96
	h 30		11.9	9.24
	h 31		12.2	9.47
	h 32		12.1	9.87
	h 33		12.8	9.96
	h 34		12.3	9.55
	h 35		12.4	9.62
	h 36		13.2	10.32
	h 37		13.1.	10.21
	h 38		12.1	9.40
	h 39		12.3	9.55
	h 40		12.4	9.62
h 09a =	41		11.1	9.08
g	41		10.9	9.11
g	g 42		12.2	10.07
	h 43		12.1	9.40
01 =	44		.	
	h 45		11.4	8.84
	h 46		11.9	9.24
014 =	47		.	
013 =	48		.	
	h 49		11.9	9.24
09 =	50		.	
	h 51		12.8	9.96
	h 52		12.4	9.62

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Tuesday March 13, 1917.

Scale ~~11~~. R. Catalogue 4° Square. B4.
MC 4807

		sc.1	sc.2	Magn.
scratch over f.c.	53	7.7	8.0	~~10.35~~ 10
08 =	54	.		
012 =	55	.		
010 =	56	.		
fv	57		12.4	9.62
fv	58		12.1	9.40
fv	59		12.9	10.04
03 =	60	.		
	61	8.0	8.3	10.55
	62	7.5	7.8	10.24
dbl!	63	.		
	64	8.4	8.7	10.82
	65	7.8	8.1	10.42
	66	7.7	8.0	10.35
fv	67		11.7	9.08
fv	68		12.4	9.62
fv	69		12.8	9.96
fv	70		130	10.12
fv	71		12.3	9.55
fv	72		12.2	9.47
fv	73		12.6	9.79
fv	74		13.1	10.21
fv	75		13.2	10.32
fv	76		13.1	10.21
	77	7.9	8.2	10.49
	78	8.0	8.3	10.55

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Tuesday March 13, 1917.

Scale R Catalogue 4° Square. B4.

M C 48 07

		sc.1	sc.2	Magw.
fv	79		9.8	7.63
	80	8.7 9.0		11.03
	81	7.5 7.8		10.24
fv	82		9.5	7.43
	83	8.0 8.3		10.55
fv	84		12.2	9.47
fv	85		12.3	9.55
fv	86		12.3	9.55
fv	87		12.6	9.79
g	87			9.76
	88	8.5 8.8	11.8	10.90
fv	89		10.7	8.30
fv	90	7.8 8.1		..
fv	91		11.4	8.84
fv	92		12.5	9.70
011	93			—
	94	7.6 7.9		10.30
fv	95		11.4	8.84
fv	96		12.7	9.87
	97	7.9 8.2		10.49
fv	98		13.2	10.32
(nc nearly sup) fv	99		12.8	9.96
diff g	99		11.7	9.68
fv	100		11.6	9.00
fv	101		13.1	10.21
	102		11.6	13.20
	103		12.8	14.49
g	104		13.4	11.35
	104	7.9 8.2		10.49

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Tuesday March 13, 1917.

Scale R Catalogue 4° Squares. B4

×Mc 4807.

		sc.1	sc.2	magw.
fv	105		13.3	10.43
	106	8.4 [8.7]		10.82
fv	107		12.7	9.87
fv	108		11.9	9.24
fv	109		12.5	9.70
fv	110		11.9	9.24
fv	111		12.5	9.70
fv	112		11.1	8.60
fv	113		12.6	9.79
fv	114		11.7	9.08
fv	115		12.6	9.79
fvv	fv	116	11.4	8.84
fv	117		13.1	10.21
fv	118		11.5	8.93
	119	8.2 [8.5]		10.68
fv	120		12.3	9.55
fv	121		12.5	9.70
	122	8.1 [8.4]		10.62
	123	8.7 [9.0]		11.03
	124	7.5 [7.8]		10.24
	125	7.7 [8.0]		10.35
fv	126		12.6	9.79
	127	8.3 [8.6]		10.75
	128	7.9 [8.2]		10.49
	129	7.6 [7.9]		10.11
fv	130		12.7	9.87

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Tuesday March 13, 1917.

Scale R Catalogue 4° Square. B4.
Ma 48 07.

		sc.1	sc.2	Magn.
q	131		11.8	9.76
p	132		12.6	9.79
	201		9.2	11.19
	202		9.8	11.64
X	203		9.8	11.64
	204		9.9	11.72
	205	8.2 8.5		10.68
	206	8.6 8.9		10.96
	207	8.3 8.6		10.75
	208	9.8 →		11.64
	209		9.8	11.64
	210		10.1	11.88
	211		9.9	11.72
	212		9.6	11.50
	213		9.9	11.72
	214		10.4	12.13
	215		10.1	11.10
	216		9.7	11.57
	217		9.7	11.57
	218		9.1	11.10
	219		8.7	10.82
	220		10.0	11.80
	221		9.2	11.19
	222		9.2	11.19
	223		9.5	11.41

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Tuesday March 13, 1917.

Scale R Catalogue 4° Square. B4

Mc 4807

	Mag.	Magw.
224	8.8	10.90
225	9.2	11.19
226	9.1	11.10
227	9.0	11.03
228	9.4	11.34
229	9.3	11.26
230	8.7	10.82
231	8.8	10.90
fv 232	12.3	9.55
233	9.4	11.34
234	9.3	11.26
235	8.7	10.82
236	10.1	11.88
237	9.1	11.10
238	9.2	11.19
239	9.5	11.41
240	8.9	10.96
241	9.1	11.10
242	9.9	11.72
243	9.4	11.34
244	9.4	11.34
245	9.6	11.50
246	9.4	11.34
247	9.2	11.19
fv 248	13.1	10.21
249	9.18	11.10

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1915phaa.proj.10660

Tuesday March 13, 1917.

Scale R Catalogue 4° Square. B4.

Mc 4807.

		sc.1	sc.2	Magn.
fr	250		13.4	10.56
	251		9.1	11.10
	252		8.1	10.82
	253		8.5	10.68
	254		8.8	10.90
	255		8.3	10.56
	256		9.1	11.10
	257		8.1	10.82
	258		8.8	10.90
	259		~~8.8~~ 9.5	11.41
	260	7.8 8.1		10.42
	261		9.4	11.34
	262		8.5	10.68
	263		9.6	11.50
	264	8.2 8.5		10.68
	265		8.8	10.90
	266		8.9	10.96
	267		9.1	11.57
fr	268		8.1	10.42
	269	8.1 9.0		11.03
	270		8.1	10.82
	271	7.7 8.0		10.85
	272		8.8	10.90
	273		9.3	11.26
	274	8.2 8.5		10.68
close dbl.	275			

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Tuesday March 13, 1917.

Scale R. Catalogue 4° Square. 84.
MC 4807.

	sc.	Magn.
276	8.8	10.90
277	9.2	11.19
278	9.2	11.19
279	8.1	10.82
280	9.4	11.34
281	8.1 f	10.82 f
282	9.2	11.19
283	8.4	10.62
284	8.9	10.96
285	8.6	10.75
286	9.1	11.57
287	8.5	10.68
288	8.5	10.68
289	9.5	11.41
290	8.5	10.68
291	8.1	10.82
292	9.2	11.19
293	9.4	11.34
294	8.9	10.96
295	9.3	11.26
296	9.5	11.41
297	9.3	11.26
298	8.8	10.90
299	9.1	11.57
edge 300	9.2 f	11.19 f
301	10.2	11.96

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Tuesday March 13, 1917.

Scale R. Catalogue 4° Square. B4.
Mc 4807.

	sc.²	Magw.
302	93?8	11.76?9
303	9.8	11.64
304	9.8	11.64
305	8.8	10.90
306	8.6	10.75
304	10.1 ~~9.2~~	11.88
308	8.8	10.90
309	8.9	10.96
310	8.5	10.68
311	9.4	11.34
312	9.8	11.64
313	9.7	11.57
314	9.6	11.50
315	9.5	11.41
316.	9.3	11.19
317	8.6	10.75
318	10.8	12.46
319	8.1	10.82

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Iowa Wednesday September 5, 1917.

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3/12/18.

Scale R. Catalogue 4° Squares. A1. Blue Red Sheet 1

9 35 mc 1746 See also Bk 30: 4-13.

P.C.

	sc.1	sc.7				sc.1	sc.7			Diff.
01						8.5 8.8	8.8 9.1	9.05	± 1	- 1.68
02						8.7 9.0	9.3	9.15	± 1	1.68
03					Diff. from	8.8 9.1	9.0	9.05	± 0	1.60
04				Mean.	Ha 71.4	9.4	8.8 9.1	9.25	± 1	1.65
04a						9.7	9.8	9.75	± 0	1.83
04b						9.9		9.9	± .	1.72
05						10.5	10.6	10.55	± 0	1.94
06						10.6	10.6	10.60	± 0	1.84
07	B.		B.	.		10.8	10.8	10.80	± 0	2.01
07a	~~08~~ 6.8 7.1			7.1 ± .		12.3	12.3	12.30	± 0	..
08	B.			.		10.6	10.6	10.60	± 0	1.82
09	B.			.		10.9	10.8	10.85	± 0	191
09a	B.			.		11.4	11.6	11.50	± 1	2.40
010	6.5 6.8		B	6.8 ± .	+ 2.88	12.1	12.2	12.15	± 0	2.47
011	6.4 6.7	6.9	6.6	6.80 ± 1	2.92	11.7	12.1	11.90	± 2	2.18
09b	B.		B.	.		10.6	11.8	11.70	± 1	2.50
012	7.1 7.4	7.3	7.0	7.35 0 ±	2.68	12.5	12.5	12.50	± 0	2.47
013	7.8 7.4	7.5	7.2	7.45 0 1	.254	12.5	12.4	12.45	± 0	2.46
014	7.4 7.7	7.8	7.5	7.75 ± 0	2.80	12.7	13.0	12.85	± 2	2.30
015	7.4 7.7	7.9	7.6	7.80 ± 1	2.85	12.8	12.6	12.70	± 1	2.05
016	7.8 8.1	8.4	8.1	8.25 ± 2	2.59	13.4	13.5	13.45	± 01	2.61
017	8.6 8.9	8.9	8.6	8.90 ± 0	2.23	13.9	only trace seen.	13.7?	± .	2.57?
018	8.6 8.9	8.9	8.6	8.90 ± 0	2.47	n.s.	n.s.	.		.
019	8.8 9.2	9.2	8.9	9.15 ± 0	2.23	n.s.	.	.		.
019a		9.5		9.60 ± 1	.					
020		9.6		9.7 ± 1	2.14					
021		9.8		9.80 ± 0	2.08					

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1915phae.proj..10660

Wednesday September 5, 1917.

Scale R. Catalogue 4° Square. Q1

Mc. 7746.

	sc.1	sc.2		sc.2	Meaw.	Diff.
022	10.3			10.6	10.45 ⊥2	+1.95
023	10.9		11.0	10.8	10.90 01 ⊥	1.72
024	~~11.2~~ 11.4			11.4	11.30 ⊥1	1.76
025	11.4			11.6	11.50 ⊥1	1.88
026	12.0			11.9	11.95 01	1.66
027a	12.4			12.5	12.45 01	1.58
028	12.6			12.6	12.60 00	1.78
029	13.3			13.3	13.30 00	1.62
no star 30	~~030~~					
031	13.4?			13.4	13.40? 00	2.30?
032	13.9			13.9	13.90 00	
033	n.s.			n.s.		

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1915phae.proj.10660

Wednesday September 5, 1917.

Scale R ~~Catalogue~~ 4° Square. A1.

~~9.35~~ Mc. 7746

	q sc.1	q sc.2	h sc.1	h sc.2	Mean. q sc.1	Mean. q sc.2	Diff. h sc.1	Diff. h sc.2
01	8.1	8.4	8.2	8.5	8.45	01	−1.08	
02	8.6	8.9	8.4	8.7	8.80	11	−1.33	
03	8.1	8.4? o/poor	8.1	8.4	8.40?	00	−0.95?	
04	8.4	8.7	8.6	8.9	8.80	11	−1.20	
04a	9.3		q		9.3	a	1.38	
04b	q		8.6	8.9 v.f.	8.9	≅	0.72	
05	9.6		9.5		9.55	01	0.94	
06	10.4		10.3		10.35	01	1.59	
07	10.4		10.3		10.35	01	1.56	
07a	11.6		11.7		11.65	01	..	
08 ~~07b~~	10.3		10.3		10.30	00	1.52	
09	10.6		10.6		10.60	00	1.66	
09a	10.7		10.7		10.70	00	1.60	
010	11.3		11.4		11.35	10	1.67	
011	11.4		11.3		11.35	01	1.63	
012	11.6		11.4		11.50	11	1.47	
013	11.9		12.1		12.00	11	2.01	
014	12.3		12.6		12.45	12	1.90	
015	12.3		12.1		12.20	11	1.55	
016	12.6		12.6		12.60	00	1.76	
017	13.2		12.8		13.00	22	1.87	
018	13.3		13.3		13.30	00	1.93	
019	13.3		13.1		13.20	11	1.82	
019a	13.4		13.4		13.40	00	..	
020	13.7		13.6		13.65	10	1.81	
021	±		±		.			
09b	10.8		10.8		10.80	00	1.60	

12.45

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1915phae.proj..10660

Wednesday September 5, 1917.

Scale R Catalogue 4° Squares. A1-

Mc 7746-

		sc.1	sc.2	magn.
	fr 1	12.3		9.90
	fr 2	11.7		9.41
	fr 3	12.5		10.08
	fr 4	11.4		9.20
	fr 5	11.5		9.27
	fr 6	11.5		9.27
	fr 7	12.1		9.73
	8	7.6 ~~7.8~~ 7.9		~~10.41~~ 10.50
	9	7.5 ~~7.7~~ 7.8		~~10.35~~ 10.41
	fr 10	12.1		9.73
	fr 11	12.6		10.17
	fr 12	11.1		8.98
	fr 13	11.4		9.20
	fr 14	12.6		10.17
	fr 15	12.1		9.73
05 =	fr 16	10.5		8.56
	fr 17	11.1		8.98
	fr 18	11.4		9.20
	fr 19	12.7		10.28
	fr 20	12.1		9.73
	fr 21	11.8		9.50
01 =	fr 22	8.7 ~~8.8~~ 9.0		~~11.30~~ ~~11.23~~ 9.39
	fr 23	11.1		8.98
	~~fr~~ 24	7.4 ~~7.6~~ 7.7		10.29
	25	7.9 ~~8.1~~ 8.2		~~10.64~~ 10.72
	26	7.8 ~~8.0~~ 8.1		~~10.58~~ 10.64

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Wednesday September 5, 1917.

Scale R. Catalogue 4° Squares. A 1.

mc 7746-

		sc.1	sc.2	Magns.
	fr 27		11.9	9.58
08 =	fr 28		10.6	8.64
012 =	fr 29		12.4	9.99
See note on cover of mc6756.	30a	7.7 ~~7.8~~ 8.0		10.58
	30b		9.2	11.44
04 =	fr 31	8.9 ~~9.2~~		~~7.30~~ 7.52
03 =	fr 32	8.6 ~~8.8~~ 8.9		7.30
	fr 33		12.4	9.99
	fr 34	8.6 ~~8.8~~ 8.7		7.30
	35	8.1 ~~8.3~~ 8.4		10.87
	fr 36		12.6	10.17
	37	8.2 ~~8.4~~ 8.5		10.94
	fr 38		13.0	10.55
	39	7.4 ~~7.6~~ 7.7		10.35
	fr 40		11.3	9.12
	fr 41		12.1	9.73
f.c. partly sup.	42	6.7 ~~6.9~~ 7.0		9.84 R
	43	7.4 ~~7.6~~ 7.7		10.35
04b =	fr 44		10.1	8.26
	45	8.0 ~~8.2~~ 8.3		10.80
	46	8.3 ~~8.5~~ 8.6		11.01
	47	7.4 ~~7.6~~ 7.7		10.35
	48	7.3 ~~7.5~~ 7.6		10.29
	fr 49		10.6	8.64
	fr 50		12.4	9.99
	fr 51		12.6	10.17
	fr 52		12.6	10.17

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1915phac.proj.10660

Wednesday September 5, 1917.

Scale R. Catalogue 4° Square. A 1-

Mc 7746.

		sc.1	sc.2	Magw.
	53	7.5 7.8		10.41
fr	54		12.6	10.17
fr	55		11.9	9.58
fr	56		13.0	10.55
	57	7.5 7.8		10.41
	58	7.3 7.6		10.29
	59	6.8 7.1		9.91
fr	60		11.1	8.98
fr	61		13.3	10.83
	62	7.3 7.6		~~9.5~~ 10.29
Reexamined Sept. 17, 1918. should be 7.3 w. unit.	63	6.3 6.6 7.6		9.54 10.29
Outside 4°. fr	64		12.7	10.28
fr	65		11.0	8.92
fr	66		10.4	8.49
fr	67		10.8	8.79
fr	68		11.2	9.05
	69	7.5 7.8		10.41
fr	70		11.3	9.12
fr	71		12.1	9.73
fr	72		12.4	9.99
096 = fr	73		11.7	9.41
fr	74		12.4	9.99
fr	75		12.4	9.99
fr	76		11.8	9.50
fr	77		12.5	10.08
	78	7.8 8.1		10.64

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Wednesday September 5, 1917.

Scale R. Catalogue 4° Square. a1.

Mc 7746.

				Magw.
		sc.1	sc.2	
fv	79		11.1	8.98
	80	7.8	8.1	10.64
06 = fv	81		10.7	8.70
	82	8.1	8.4	10.87
011 = fv	83		12.1	9.73
09 = fv	84		10.9	8.85
016 =	85	8.2	8.5	10.94
	86	7.8	8.1	10.64
014 =	87	7.7	8.0	10.58
013 =	88	7.1	7.4	10.13
02 = fv	89	8.7	9.0	7.39 ~~11.30~~
07 = fv	90		10.1	8.70
*	91a	7.7	8.0	10.58
fv	92		12.1	10.38
	93	7.4	7.7	10.35
g	94		12.3	10.54
07a fv	95		12.4	9.99 :
	96	7.8	8.1	10.64
fv	97		12.3	9.90
fv	98		12.1	9.73
fv	99		10.3	8.41
fv	100		12.6	10.17
fv	101		12.4	999
fv	102		13.2	1073
fv	103		11.6	9.33
fv	104		11.4	9.20
*	91b	8.7	9.0	11.30
*	91c		10.2	12.21

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Wednesday September 5, 1917.

Scale R. Calalogue 4° Square. a 1.

Mc 7746.

	sc.1	sc.2	Magn.
fr 105		12.6	10.17
fr 106		12.0	9.66
107	7.4 7.7		10.35
fr 108		12.7	10.28
fr 109		12.6	10.17
fr 110		12.3	9.90
111	6.7 7.0		9.84
fr 112		11.5	9.27
fr 113		12.8	10.38
fr 114		12.5	10.08
fr 115		12.5	10.08
fr 116		11.5	9.27
fr 117		12.3	9.90
Re examined 9/17/18. P.C. meas. fr 118	8.5 ~~8.8~~		~~11.16~~ 7.22 e This star extrapolated 25 hundredths on curve.
fr 119		12.4	9.99
120	7.6 7.9		10.50
121	7.8 8.1		1064
fr 122		12.2	9.81
123	7.1 7.4		10.13
fr 124		11.1	8.98
125	7.5 7.8		10.41
fr 126		12.6	10.17
127	7.7 8.0		10.58
128	7.3 7.6		10.29
129	7.8 8.1		1064
fr 130	7.6 7.9		B.

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Wednesday September 5, 1917.

Scale 6 stalogue 4° Square. @ 1–
mag 7.46.

		RC.1	RC.2	Magw
fv	131		12.4	9.99
fv	132		12.9	10.45
fv	133		12.6	10.17
	134	7.4 7.7		10.35
fv	135		11.4	9.20
fv	136		11.0	8.92
	137	7.7 8.0		10.58
	138	7.7 8.0		10.58
fv	139		11.9	9.58
fv	140		12.6	10.17
010 = fv	141		12.3	9.90
	142	7.4 7.7		10.35
04a = fv	143		9.9	8.11
fv	144		12.1	9.73
fv	145		10.6	8.64
fv	146		12.3	9.90
	147	7.1 7.4		10.13
09a = fv	148		11.5	9.27
~~09a~~ = fv	149		12.8	10.38
	150	7.8 8.1		10.64
fv	151		12.0	9.66
fv	152		11.5	9.27
fv	153		12.1	9.73
fv	154		11.2	9.05
fv	155		12.5	10.08
fv	156		12.8	10.38

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1915phae.proj.10660

Wednesday September 5, 1917-

Scale R Catalogue 4° Square. A 1-

Mc 7746.

	sc.1	sc.2	Magn.
fv 157		12.5	10.08
fv 158		11.3	9.12
fv 159		12.6	10.17
160	7.9 82		10.72
fv 161		12.6	10.17
fv 162		11.8	9.50
163	7.6 79		10.50
fv 164		12.7	10.28
fv 165		12.4	9.99
fv 166		9.7	7.96
fv 167		12.3	9.90
168	7.2 75		10.21
169	7.4 77		10.35
170	8.2 8.5		10.94
171	8.3 8.6		11.01
fv 172		12.5	10.08
fv 173		9.8	8.04
174	6.5 6.8		9.69
175	7.4 77		10.35
176	7.8 8.1		10.64
177	7.7 80		10.58
fv 178		11.4	9.20
fv 179		10.7	8.70
fv 180		11.3	9.12
fv 181		12.1	9.73
fv 182		11.3	9.12

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Wednesday September 5, 1917.

Scale R. b Catalogue 4° Square. Ar. 1.

Mc 7746

	sc.1	sc.2	Magw.
183	8.4 [8.7]		11.08
fr 184		11.2	9.05
fr 185		12.6	10.17
fr 186		12.0	9.66
fr 187		12.6	10.17
fr 188		12.6	10.17
189	7.7 [8.0]		10.58
var. X Camel. fr 190		12.2	9.81
fr 191		12.9 dbl.	10.45 R
192	7.7		10.13
fr 193	9.1 [9.4]		7.70
194	7.9 [8.2]		10.72
195a	7.7 [8.0]		10.58
195b		9.2	~~7.50~~ 11.44
196	7.4 [7.7]		10.35
201	8.4 [8.7]		11.08
202		10.1	~~12.14~~ ~~8.26~~
203		9.8	~~11.89~~
204	7.8 [8.1]		10.64
205	8.3 [8.6]		11.01
206		9.6	11.74
207		10.0	12.05
208	8.6 [8.9]		11.23
209		9.1	11.37
210		9.7	11.83

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1915phaa.proj.10660

Wednesday September 5, 1917.

Scale R Catalogue 4° Square. a1.

mc7746

	sc.1	sc.2	Magn.
211	8.3	8.6	11.01
212		9.9	11.96
213	8.2	8.5	10.94
214	7.9	8.2	10.72
215	8.6	8.9	11.23
216	7.7	8.0	10.58
217	8.6	8.9	11.23
218	8.7	9.0	11.30
219	8.6	8.9	11.23
220		9.4.5	11.66
221	8.6	8.9	11.23
222	8.6	8.9	11.23
223		9.4	11.60
224	8.3	8.6	11.01
225	8.8	9.1	11.37
226	9.0	9.3	11.52
227	8.6	8.9	11.23
228	8.5	8.8	11.16
229	8.4	8.7	11.08
230	8.8	9.1	11.37
231	8.0	8.3	10.80
232	8.0	8.3	10.80
233	8.3	8.6	11.01
234		9.8	11.89
235		11.6	13.39
236	8.3	8.6	11.01

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Wednesday September 5, 1917.

Scale R. Catalogue 4° Square. A1-
MC 7746

	sc.1	sc.2	magn.
237	8.5 8.8		11.16
238		9.0	11.30
239		9.1	11.37
240		9.2	11.44
241	8.1 8.4		10.87
242		10.8	12.70
243	8.8 9.1		11.37
244	8.5 8.8		11.16
245		9.7	11.83
246	8.6 8.9		11.23
247		9.1	11.37
248		9.7 8	11.89
249		9.2	11.44
250		def.	R (def)
251		9.8	11.89
252	8.4 8.7		11.08
253	8.7 9.0		11.30
254	8.7 9.0		11.30
255		9.3	11.52
256		9.2	11.44

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1915phaq.proj.10660

Wednesday September 12, 1917.

See also Bk 30: 14–17
Sheet 4

Sale R
10 20

Catalogue 4° Squares Q 2. Blue. 10m.
mc 7979 superposed on mc 8099 (yellow)

	sc.1	sc.2	sc.1	sc.2	G.C. sc.1	G.C. sc.2	sc.1	sc.2	Magn.	Diff.
1	B		B		7.8 8.1		8.0 8.3		8.20 ± 1	-1.21
2					8.5 8.8		8.6 8.9		8.85 01	1.59
3					8.8 9.1			9.5	9.30 ± 2	1.86
4 too near edge								9.5	.	.
5						10.3		10.4	10.35 ± 0	2.31
6						10.8 6		10.7	10.65 0 1	2.51
7a						10.7		10.6	10.65 1 0	2.19
8a						11.3		11.3	11.30 0 0	2.42
8b	B		B			11.3		11.4	11.35 ± 0	2.20
9	B.		B			11.3		11.6	11.45 ± 2	2.30
10	B		B	Meas. Diff.		11.2 1		11.4	11.30 ± 1	2.06
11	B		B.			12.4		12.6	12.50 ± 1	2.62
12	6.7 7.0		6.8 7.1	7.05 01	+.87	12.6		12.6	12.60 0 0	2.68
13	7.0 7.3		7.3 7.6	7.45 ± 2	2.84	13.2		13.4	13.30 ± 1	3.01
14	7.3 7.6		7.4 7.7	7.65 0 1	2.74	13.3		13.3	13.30 0 0	2.91
15	7.8 8.1		7.9 8.2	8.15 ± 0	2.49	13.4		13.4	13.40 0 0	2.76
16	7.8 8.1		8.1 8.4	8.25 ± 2	2.50	13.6		13.8	13.70 ± 1	2.95
17	7.8 8.1		8.2 8.5	8.30 ± 2	2.52	13.7		13.8 poor.	13.75 ± 0	2.93
17a	9.0 9.3	9.4	9.0 9.3	9.33 0 10	2.19	ms ~~11.0~~ w.s.		ms		
18	9.3 9.6	~~9.3~~		9.89 7 0 ± 1	1.98					
19		9.9		10.2 10.05 ± 2	1.98					
20		9.6		9.8 9.7 0 ± 1	2.11					
21		10.3		10.4 10.35 ± 0	1.77					
21a		10.6		10.5 10.55 0 ±	1.55					
21b		10.1		10.7 10.7 0 0	1.88					
22a		11.2		10.9 11.05 2 ±	1.63					
22a		11.3		11.0 11.15 1 2						

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Wednesday September 12, 1917.

Scale R. Catalogue 4° Squares. a 2 -
Mc 7979 -

	sc. 2	sc 2	Mean.	Diff.
23	11.7	11.7	11.70 00	1.52
24	11.9	12.0	11.95 ±0	1.52
25	12.0	12.2	12.10 ±1	1.59
26	12.6	12.7	12.65 01	1.53
27	13.1	13.1	13.10 00	1.40
28	13.4	13.4	13.40 00	1.56
29	13.7	13.7	13.70 00	1.81
30	f.	f.	f.	f.

25f 12.6

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Wednesday September 12, 1917.

Scale — Catalogue 4° Squared. A2.

Magnitude — Diff. Im.

	mag sc.1	mag sc.2	Diff sc.1	Diff sc.2	Mean	Diff.
1	7.4	7.7	7.7	8.0	7.85 ± 2	-0.86
2	7.7	8.0	8.1	8.4	8.20 ± 2	0.94
too near edge. 3	~~7.5~~ ref.		q		.	.
4	q		q		.	.
5	q		q		.	.
6	q		q		.	.
7a	q		q		.	.
8a	10.3		10.4		10.35 ± 0	1.47
8b			10.6		10.6 ± 2	1.45
9	10.4		10.6		10.50 ± 1	1.35
10	10.6		10.7		10.65 0 1	1.41
11	11.4		11.5		11.45 0 1	1.57
12	11.7		11.9		11.80 ± 1	1.88
13	12.4		12.3		12.35 0 ±	2.06
14	12.4		12.4		12.40 0 0	2.01
15	12.7		12.8		12.75 ± 0	2.11
16	12.7		12.7		12.70 0 0	1.95
17	13.2		13.2		13.20 0 0	2.38
17a	13.4		13.4		13.40 0 0	1.88
18	13.5		13.6		13.55 ± 0	1.87
19	14.0		14.0?		14.00? 0 0	1.97?
20	ns		ns		.	.
21						
21a						

1255

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Wednesday September 12, 1917.

Scale R Catalogue 4° Squared Ar 2 -

Mon 9 79

		sc.1	sc 2	Magn.
	1		12.4	9.76
	2		12.4	9.76
	3		11.4	9.00
	4		12.6	9.90
	5		12.4	9.76
	6		12.8	10.06
	7		12.9	10.13
	8		11.7	9.22
	9	7.6 79		10.54
	10	8.0 8.3		10.81
	11		11.0	8.70
011 =	12		12.6	9.90
03 =	13	8.7 9.0		~~11.27~~ 7.17
	14	7.7 8.0		10.61
	15		12.8	10.06
	16		12.6	9.90
010 =	17		11.3	8.93
	18	7.3 7.6		10.32
	19		12.7	9.98
08a =	20		11.1	8.78
07a =	21		10.7	8.48
	22	7.7 8.0		~~8.80~~ 10.61
	23	7.5 7.8		10.49
near edge of square.	24	8.1 ? 8.4 ?		10.19 ? e
	25		12.1	9.53
	26	7.9 8.2		10.74

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Wednesday September 12, 1917 –

Scale R Catalogue 4° Squares Dec –

mc 7979 –

		sc1	sc2	Magn.
08h =	fv 27		11.4	9.00
	28	7.7	80	10.61
	fv 29		10.7	8.48
02 =	fv 30	8.6	89	7.27
	fv 31		12.9	10.13
	fv 32		10.4	8.26
	33	7.8	81	10.68
	fv 34		12.6	9.90
	fv 35		11.1	8.78
	fv 36		13.0	10.20
	37	7.7	80	10.61
	38	7.8	8.1	10.68
	fv 39		11.7	9.20
	fv 40		10.7	8.48
	fv 41	qf 7.5		10.26qf
	fv 42		13.0	10.20
	fv 43		10.6	8.40
	fv 44		11.4	9.00
	fv 45	qf	13.4	10.53qf
	fv 46		12.1	9.53
	fv 47		12.8	10.06
	fv 48	qf	13.4	10.53 qf
	fv 49		12.2	9.60
	fv 49a		10.8	8.58
	fv 50		11.6	9.15
	fv 51		12.4	9.76
	fv 52		13.4	10.53

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Wednesday September 12. 1917.

Scale R Catalogue 4° Square. α 2-

Mc 7979

		sc.1	sc.2	Magn.
fv	53		12.7	9.98
g	54		12.7	9.98
fv	55		11.5	9.07
fv	56		11.6	9.15
	57	7.8 80		10.68
g	58		12.2	10.23
	59	7.5 78		10.49
fv	60		12.2	9.60
g	61		12.8	10.76
fv	62		13.3	10.45
fv	63		12.8	10.06
01=	fv 64	7.7 80		6.80
017=	65	8.3 86		11.01
09=	fv 66		11.6	9.15
013=	g 67		12.4	10.39
	fv 68		11.6	9.15
012=	g 69		12.1	10.16
014=	g 70		12.5	10.46
	71	8.0 83		10.81
	72	8.3 86		11.01
015 =	73	7.9 82		10.74
	g fv 74		11.9	10.03
	75	7.7 80		10.61
016 =	76	7.9 82		10.74
	fv 77		12.2	9.60
	fv 78		10.3	8.20

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Wednesday September 12, 1917.

Scale R Catalogue 4° Square. A2

Mcnight

	sc.1	sc.2	Magw.
g 79		12.1	10.16
fv 80		12.7	9.98
81	7.6	7.9	10.54
82	8.4	8.7	11.09
83	8.8	9.1	11.34
84	8.3	8.6	11.01
fv 85		12.8	10.06
fv 86		11.3	8.93
fv 87		12.4	9.76
fv 88		12.3	9.69
fv 89		12.5	9.84
fv 90		12.8	10.06
fv 91		12.6	9.90
fv 92		12.8	10.06
fv 93		12.3	9.69
fv 94		12.8	10.06
poor 95	7.4?	7.7	10.19? g
fv ft. g, tolpm 96	g 7.3?		10.10? g
fv 97		12.8	10.06
fv 98		13.3	10.45
fv 99		13.1	10.29
fv 100		11.4	9.00
fv 101		11.6	9.15
g 102		13.1	11.08
fv 103		10.4	8.26
g 104		12.6	10.56

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Wednesday September 12, 1917.

Scale. Catalogue 4° Square. Ar

Mc 79 79

				Magn.
q	105		12.2	10.23
fv	106		10.6	8.40
q	107		12.6	10.56
	108	7.8 8.1		10.68
	109	7.9 8.2		10.74
comp. sup.	fv	110	dbl.	13.4?	10.53 fv
		111	8.0 8.3		10.81
		112	8.3 8.6		11.01
		113	8.3 8.6		11.01
	fv	114		11.4	9.00
	fv	115		11.7	9.22
	fv	116		12.1	9.53
	fv	117		10.8	8.56
		118	7.8 8.1		10.68
		119	8.2 8.5		10.94
	fv	120		12.1	9.53
	fv	121	6.5 6.8		-- B.
	fv	122		12.4	9.76
		123	7.9 8.2		10.74
	fv	124		12.6	9.90
	fv	125		11.6	9.15
	fv	126		12.1	~~13.62~~ 9.53 fv ~~[9.53 fv]~~
	fv	127		9.8	7.83
q	fv	128		12.4	10.39
		129	7.9 8.2		10.74
		130	8.3 8.6		~~10.81~~ 11.01

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Wednesday September 12, 1917.

Scale Catalogue 4° Square Ax
Ma 7979

	sc.1	sc.2	Magn.
131	7.8	8.1	10.68
132	8.7	9.0	11.29
fv 133		11.5	9.07
fv 134		13.4	10.58
fv 135		13.0	10.20
136	7.8	8.1	10.68
137	8.3	8.6	11.01
138	7.7	8.0	10.61
139	8.4	8.7	11.09
140	7.7	8.0	10.61
141	8.0	8.3	10.81
201	8.5	8.8	11.16
202	8.6	8.9	11.22
203	9.0	9.3	11.49
204	8.8	9.1	11.34
205	8.4	8.7	11.09
206		9.7	11.74
207	9.0	9.3	11.49
208	8.8	9.1	11.34
208a	8.7	9.0	11.29
209	8.4	8.7	11.09
210	8.8	9.1	11.34
211	8.4	8.7	11.09
fv 212		9.6	1169
213	8.6	8.9	11.22
214	8.5	8.8	11.16

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Wednesday September 12, 1917.

Scale R. Catalogue to Square Az.

Mc 7999

	Sc 1	Sc 2	Magn.
215	8.2	8.5 from Sc 2	10.94
216	8.2	8.5	10.94
217		9.8	11.80
218	8.7	9.0	11.29
219	8.6	8.9	11.22
220	8.6	8.9	11.22
221	8.4	8.7	11.09
222		8.7	11.09
223		9.4	11.55
224	8.2	8.5	10.94
225	8.8	9.1	11.34
226	8.5	8.8	11.16
227	7.8	8.1	10.68
228	7.4	7.7	10.40
229	7.9	8.2	10.74
230	8.6	8.9	11.22
231	8.4	8.7	11.09
232		9.8	11.80
233	8.8	9.1	11.34
234	8.5	8.8	11.16
235	7.8	8.1	10.68
236	8.9	9.2	11.41
237		9.0	11.29
238	8.5	8.8	11.16
239	8.4	8.7	11.09
240	8.2	8.5	10.94

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Wednesday September 12, 1917

Scale Catalogue 4° Square. a 2

Mc 7979

	sc. 1	sc. 2	
241	8.2 8.5		10.94
242	7.9 8.2		10.74
243	8.5 8.8		11.16
244	8.4 8.7		11.09
245	8.1 8.4 v.f.		10.89 q
246	7.9 8.2 v.f.		10.74 q
247	8.6 8.9		11.22
248	8.3 8.6		11.01
249	9.1 9.4		11.55
250	8.9 9.2		11.41
251	8.4 8.7		11.09
252	8.2 8.5		10.94
253	8.8 ~~9+~~		11.34
254	dbl 9.5 ~~9.5~~ 10.2 ~~10~~		11.61 12.07 } close dbl.
255		9.8	11.80
255a	8.9 9.2		11.41
256		10.0	~~11.41~~ 11.94
257		9.5	11.61
258		9.7	11.74
259		9.4	11.55
260		9.4	11.55
261	8.2 8.5		10.94
262		9.8	11.80
263	8.4 8.7		11.09
264		9.2	11.41
265	8.3 8.6		11.01
266	8.9 9.2		11.41

2 component nearly sup. of comp. follows

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Wednesday September 12, 1917.

Scale R. Catalogue 4° Square. Az.

Merging

	sc.1	sc.2	Magn
267	8.8 9.1		11.34
268		9.5	11.61
269	8.7 9.0		11.29
270	8.6 8.9		11.22
271		9.6	11.69
272	8.4 8.7		11.09
273	8.4 8.7		11.09
274	8.2 8.5		10.94
275	8.7 9.0		11.29
276	8.4 8.7		11.09
277	8.4 8.7		11.09
278	8 7.9		8 10.54
279	8 7.7		10.40 8
280	8 7.6 8.5?		10.32 8
281	8 2.? 8		10.94? 8

all poor.

Edge 4° Sq.

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1915phao.proj.10660

Monday / September 24, 1917.

Scale R Catalogue 4° Squares. Q3. Blue. Sheet 6

9.30 MC. 8782 sup on MC. 6474 (yellow)

Seq. Q3.

	sc.1	sc.2	sc.1	sc.2			B.C. sc.1	sc.2	Meas.	Diff.
01	B						8.7 9.0		9.0 ± .	-1.60
02							9.0		9.0 ± .	1.61
03							9.5	9.5	9.50 00	1.86
04							9.3	9.7	9.50 ± 20	1.83
5	B			Meas.	Diff.		9.5	9.8	9.65 ± 21	1.94
6	B			.	.		10.9	11.2	11.05 ± 20	2.44
7	B.			.	.		10.9	11.1	11.00 ± 1	2.56
8	B.		B	.	.		11.8	12.1	12.05 ± 1	3.05
9	5.5 5.8		B.	5.8 ± .	3.23		11.7	12.1	11.90 ± 20	2.87
10	5.5 5.8		B	5.8 ± .	3.24		11.8	11.7	11.75 0 ±	2.71
11	5.3 5.6		5.8 5.5	5.70 ± 1	3.44		11.9	12.2	12.05 ± 2	2.91
12	6.4 6.7		6.6 6.3	6.65 10	2.83		12.5	12.8	12.65 ± 20	3.17
13	6.4 6.7		6.7 6.4	6.70 00	2.88		12.7	12.8	12.75 ± 0	3.17
14	6.6 6.9		7.2 6.9	7.05 ± 2	2.81		12.8	13.0	12.90 ± 1	3.04
15	7.2 7.5		7.7 7.4	7.60 ± 1	2.61		13.4	13.4	13.40 00	3.19
16	7.7 8.0		8.2 7.9	8.10 ± 1	2.37		7.	7.	7 .	
17	7.7 8.0	8.0	8.3 8.0	8.10 ± 12	2.60					
18	7.9 8.2	8.4	8.6 8.3	8.40 ± 02	2.60					
19	8.4 8.7	8.6	9.0 8.7	8.77 ± ± 2	2.38					
20	8.8 9.1	9.1	9.2 8.9	9.13 00 1	2.19					
21		9.5		9.8	9.65 ± 2	1.94				
22		9.6		9.8	9.70 ± 1	1.94				
23		10.21		10.4	10.30 ± 1	1.72				
24		10.8		10.9	10.85 01	1.47				
25		11.1		11.1	11.10 00	1.33				
26		11.4		11.4	11.40 00	1.23				

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Monday September 24, 1917.

Scale R Catalogue 4° Squares. a_3. Blue.

Mc 8782

	sc2	sc2		Diff
27	12.1	12.0	12.05 10	1.04
28	12.1	12.3	12.20 ± 1	1.06
28a	11.8		11.8 ±	
29	12.2	12.4	12.30 ± 1	1.23
30	12.4	12.5	12.45 01	1.25
31	13.2	13.4	13.30 ± 1	0.82
32	13.4	13.5	13.45 01	0.91
33				

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Scale R Catalogue 40 Squared. A3 Blue.

Mc 8782 cont. Diffs. Inv.

	g sc.1	g sc.2	h sc.1	h sc.2	Meaw.	Diff.
01	f		f			
near edge. 02	7.7 3? 7.6?		f		7.6? a.	-.019?
03	8.7 9.0				9.0 a.	1.36
04	8.3 8.6		8.4 8.7		8.65 01	0.98
05	8.6 8.9		8.4 8.7		8.80 11	1.09
06	10.4 5		10.4		10.45 10	1.84
07	10.1		10.3		10.20 11	1.76
08	11.2		11.1		11.15 01	2.15
09	11.3		11.2		11.25 10	2.22
010	11.1		11.1		11.10 00	2.06
011	11.1		11.3		11.20 11	2.06
012	12.2		11.8		12.00 22	2.52
013	12.1		12.1		12.10 00	2.52
014	12.4		12.6		12.50 11	2.64
15	12.8		12.6		12.70 11	2.49
16	13.4		13.4		13.40 00	2.93
17	13.4		13.4		13.40 00	2.70
18	13.6		13.6		13.60 00	2.60
19	f		f			
20	f.		f			
21	ms.					
22						
23						
24						
25						

1230

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Monday September 24, 1917.

Scale R Catalogue 4° Squares. A3 - Blue.

Mc8782.

	sc.1	sc.2	Magw.
fr 1		12.8	9.70
fr 2		10.5	8.20
fr 3		10.8	8.35
fr 4		12.7	9.60
5	6.9	7.2	9.97
fr 6		10.5	8.20
010= fr 7		11.6	8.80
04= fr 8		9.5	7.67
fr 9		11.4	8.69
fr 10		13.3	10.14
fr 11		13.1	9.96
fr 12		11.8	8.94
13	7.4	7.7	10.33
fr 14		13.1	9.96
fr 15		12.4	9.36
fr 16		12.4	9.36
fr 17		13.4	10.24
fr 18		13.5	10.34
fr 19		12.2	9.70 ~~9.20~~
fr 20		11.4	8.69
fr 21		12.1	9.62 ~~9.14~~
fr 22		12.8	9.70
fr 23		13.4	10.24
24	7.7	8.0	10.55
25	7.6	7.9	10.48
fr 26		13.4	10.24

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Monday September 24. 1917.

Scale R Catalogue 4° Squares. Ax. Blue.
mc 8 7 8 2.

		sc.1	sc.2	Magn.	
	27	7.4	7.7	10.33	
fr	28		11.1	8.50	
fr	29		12.5	9.44	
fr	30		9.6	7.71	
fr	31		10.5	8.20	
fr	32		12.6	9.52	
	33	6.8	7.1	9.90	
	34	7.4	7.7	10.33	
p.c.+g floor	35	6.9?	7.2?	9.97?	gf
fr	36		10.8	8.35	
floor fr	37		12.4	9.36	gf
floor.	38	6.9	7.2	9.97	gf
fr	39		10.6	8.25	
	40	6.9	7.2	9.97	
fr	41		11.3	8.63	
fr	42		13.1	9.96	
03= fr	43		9.4	7.60	
fr	44		11.3	8.63	
fr	45		12.2	9.20	
	46	7.4	7.7	10.33	
fr	47		12.6	9.52	
fr	48		12.9	9.78	
g	49		12.4	9.84	
	50	6.9	7.2	9.97	
fr	51		11.7	8.87	
	52	7.2	7.5	10.19	

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Monday September 24, 1917.

Scale R Catalogue 4° Squares. A3. Blue.

Mc 8782

		PC.1	PC.2	Magn.
	53	6.9	7.0	9.83
fr	54		12.5	9.44
fr	55		12.0	9.07
	56	7.3	7.6	10.36
09 = fr	57		11.5	8.74
07 = fr	58		10.8	8.85
012 =	59	6.5	6.8	9.69
015 = q	60		12.8	10.17
011 = fr	61		11.9	8.99
08 = fr	62		11.9	8.99
016 =	63	8.8	9.1	11.31
	64	8.6	8.9	11.18
q	65		12.2	9.70
q	66		12.7	10.08
	67	6.8	7.1	9.90
05 = fr	68		9.6	7.71
fr	69		11.7	8.87
	70	6.9	7.2	9.97
fr	71		13.3	10.14
	72	7.2	7.5	10.19
	73	7.5	7.8	10.40
pc. sup? q	74		11.2	9.02
	75	6.9	7.2	9.97
06 = fr	76		11.3	8.63
q	77		12.5	9.93
013 = fr	78		12.7	9.60

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1915phae.proj..10660

Monday September 24, 1917.

Scale R Catalogue 4° Square. Obs. Blus.

MC 8782

		sc 1	sc 2	Magn.
g	014 = 79		12.5	9.93
	80	7.4	7.7	10.33
g	81		12.2	9.70
g	82		12.6	10.00
fv	83		11.1	8.87
fv	84		12.2	9.20
fv	85		11.8	8.94
fv susp. g	86		10.1	8.70
fv	87		11.9	8.99
fv	88		12.7	9.60
fv	89		13.1 ? 8	9.96?
fv	90		12.2	9.20
fv	91		12.5	9.44
	92	6.7	7.0	9.83
fv	93		11.8	8.94
fv	94		11.5	8.74
fv	95		12.2	9.20
fv	96		12.8	9.70
	97	6.7	7.0	9.83
fv	98		13.4	10.24
	99	7.5	7.8	10.40
	100	7.5	7.8	10.40
	101	7.3	7.6	10.26
	102	7.5	7.8	10.40
	103	7.7	8.0	10.55
	104	8.0	8.3	10.78

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Monday September 24. 1917.

Scale R Catalogue 4° Squares. A 3. Blue.

MC 8782

	sc.1	sc.2	Magn.	
105	7.0	7.3	10.04	
106	7.5	7.8	10.40	
107	6.6	6.9	9.76	
108	6.9	7.2	9.97	
fv 109		12.1	9.14	
fv 110		12.4	9.36	
111	7.4	7.7	10.33	
112	7.4	7.7	10.33	
113	7.6	7.9	10.48	
114	7.9	8.2	10.70	
115	6.5	6.8	9.69	
var.? yes 116		12.0	13.18	
g/fx 117		12.4	9.84	
g 118		12.3	9.76	
fv 119		13.3	10.14	
120	7.0	7.3	10.04	
g 121		11.4	9.15	
122	7.7	8.0	10.55	
123	7.2	7.5	10.19	
fv 124		12.1	9.14	
g 125		12.4	~~9.36~~ 9.84	
fv 126		12.8	9.70	
fv 127		13.4	10.24	
128	7.2	7.5	10.19	
fv 129		11.2	8.56	
fv 130		10.6	8.25	

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Monday September 24, 1917.

Scale R Catalogue 4° Squares. A 3. Blue.
Mc 8782

		sc1	sc2	Magw.
	131	7.1	7.4	10.11
	132	6.9	7.2	9.97
fv	133		12.4	9.36
fv	134		12.8	9.70
fv	135		12.7	9.60
fv	136		11.8	8.94
fv	137		12.6	9.52
fv	138		12.7	9.60
fv	139		12.1	9.14
	140	6.4	6.7	9.62
	141	6.8	7.1	9.90
	142	6.9	7.2	9.97
~~fv~~	143		11.8	8.94
	~~143~~			–
edge + elong.	144	q		q
" " "	145	q		q
	146	6.8	7.1	9.90
	147	8.2	8.5	10.93
	148	7.8	8.1	10.63
	149	7.5	7.8	10.40
	~~150~~			
	~~1~~			
	201	8.2	8.5	10.93
	202	8.1	8.4	10.85
	203	8.8	9.1	11.31
	204	8.7	9.0	11.25

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Monday September 24, 1917.

Scale R for Catalogue 4° Square. a 3.

M8782

	sc.1	sc.2	Magn.	
205	8.5	8.8	11.12	
206		10.2	11.96	
207	8.3	8.6	10.99	
208		10.5	12.13	
209		10.8	12.31	
210		10.9	12.39	
211		9.7	11.67	
212		10.4	12.08	
213		9.5	11.54	
214	8.4	8.7	11.06	
215		10.1	11.90	
216	8.8	9.1	11.31	
217	8.6	8.9	11.18	
218		10.7	12.26	
219	.			close dbl.
220	8.8	9.1	11.31	
221		9.4	11.50	
222	8.6	8.9	11.18	
223		9.8	11.74	
224		9.8	11.74	
225	8.8	9.1	11.31	
226	8.7	9.0	11.25	
227		9.8	11.74	
228		10.6	12.19	
229		9.5	11.54	
230		10.9	12.39	

close dbl.

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1915phae.proj.10660

Monday September 24, 1917.

Scale R Ist Catalogue 4° Square A3.
MC 8782

	sc.1	sc.2	Magw.
231		9.6	11.60
232	8.7	9.0	11.25
233		9.5	11.54
234		9.8	11.74
235		11.4	12.73
236	8.5	8.8	11.12
237		11.1	12.51
238		9.8	11.74
239	8.6	8.9	11.18
240		10.5	12.13
241	8.7	9.0	11.25
242		10.3	12.02
243		10.0	11.85
244	8.4	8.7	11.06
245	8.9	9.2	11.38
246	7.8	8.1	10.63
247	8.3	8.6	10.99
248		9.4	11.50
249	8.4	8.7	11.06
250	7.8	8.1	10.63
251	7.4	7.7	10.93
252		9.4	11.50
253	8.2	8.5	10.93
254		9.8	11.74
255		10.5	12.13
256		10.5	12.13

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Monday September 24. 1917.

Scale R for Calalogue 4° Square. A3.

Mc 8787

	Mag.		Magn.	Magn.
	Sc.1	Sc.2		
257		10.2	12.00	11.96
258		10.6	12.22	12.19
259	8.8	9.1	11.30	11.31
260	9.0	9.3	11.42	11.44
261		9.8	11.75	11.74
262		10.7	12.29	12.26
263	8.9	9.2	11.36	11.38
264	8.8	9.1	11.30	11.31
265		10.4	12.11	12.08
266	7.8	8.1	10.66	10.63
267		10.6	12.22	12.19
268	8.8	9.1	11.30	11.31
269		9.9	11.81	11.79
270	8.0	8.3	10.80	10.78
271	8.5	8.8	11.11	11.12
272		10.9	12.40	12.39
273	8.6	8.9	11.18	11.18
close dbl. 274				
275	8.4	8.7	11.06	11.06
276		9.6	11.61	11.60
277		11.4	12.72	12.73
278		10.1	11.93	11.90
279	8.9	9.2	11.36	11.38
280		9.8	11.75	11.74
281		9.7	11.68	11.67
282		10.6	12.22	12.19

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Monday September 24, 1917.

Scale R. For Catalogue 4° Squares. A3.
Merz 82.

	Dec 1	Dec 2	Mags.
283		9.4	~~11.46~~ 11.50
284		9.5	~~11.54~~ 11.54
285	8.4	8.7	~~11.06~~ 11.06
286	8.6	8.9	~~11.18~~ 11.18
287		11.4	~~12.72~~ 12.73
288	7.4	7.7	10.33
289	7.4	7.7	10.33
290		9.8	11.74
291	8.7	9.0	11.25
291a		10.6	12.19
292	8.5	8.8	11.12
293	8.8	9.1	11.31
294		10.1	11.90
295		9.4	11.50
296	8.7	9.0	11.25
297	8.6	8.9	11.18
298	8.6	8.9	11.18
299	8.5	8.8	11.12
300	7.6	7.9	10.48
301		9.4	11.50
302	8.9	9.2	11.38
303	8.4	8.7	11.06
304	9.0	9.3	11.44
305		9.9	11.79
306		9.8	11.74
307	8.9	9.2	11.38
308	7.4	7.7	10.33

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1915phae.proj.10660

Monday September 24.1917.

Scale R for Catalogue 4° Square. a3.

Mc8782

	Sc.1	Sc.2	Magn.
309	7.7	8.0	10.55
310	7.7	8.0	10.55
311	9.0	9.3	11.44
312	7.7	8.0	10.55
313	8.1	8.4	10.85 / ~~12.08~~
314		10.4	12.08
315	8.0	8.3	10.78
316	dbl.		dbl.
317		9.6	11.60
318	8.2	8.5	10.93
318a	8.6	8.9	11.18
319		9.4	11.50
320		9.8	11.74
321		10.1	11.90
322	8.0	8.3	10.78
323	8.5	8.8	11.12
324	8.4	8.7	11.06
325	8.0	8.3	10.78
326	8.6	8.9	11.18
327	8.3	8.6	10.99
328	8.2	8.5	10.93
329		9.4	11.50
330	8.8	9.1	11.31
331	7.6	7.9	10.48
332		10.7	12.26
333		10.2	11.96
334	8.6	8.9	11.18

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Monday September 24, 1917.

Scale R for Catalogue 4° Square a 3 –
Mc 8782.

			Magn.
335		11.3	12.65
336	8.8	9.1	11.31
337	8.4	8.7	11.06
338	9.0	9.3	11.44
339		10.2	11.96
340	8.4	8.7	11.06
341	7.8	8.1	10.63
342	7.6	7.9	10.48
343	8.6	8.9	11.18
~~343~~			~~10.99~~
344	8.9	9.2	11.38
345	8.0	8.3	10.78
346	8.5	8.8	11.12
347	8.8	9.1	11.31
348		10.6	12.19
349	7.4	7.7	10.33
350	8.8	9.1	11.31
351		9.8	11.74
352	8.1	8.4	10.85
353	8.7	9.0	11.25
354		9.6	11.60
355		9.7	11.67
356	7.7	8.0	10.55
356a		9.8	11.74
357	8.8	9.1	11.31
358	8.6	8.9	11.18
359	8.3	8.6	10.99

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Monday September 24, 1917.

Scale R For Catalogue 4° Square. Q3.

MC 8782.

	dc.1	dc.2	Magw.
360	8.3	8.6	10.99
361	9.0	9.3	11.44
362	8.8	9.1	11.31
363	8.5	8.8	11.12
364	8.4	8.7	11.06
365	7.9	8.2	10.70
366	7.5	7.8	10.40
367		10.3	12.02

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1915phae.proj.10660

Thursday September 27, 1917.

Scale R — Catalogue 4° Squares. — B5 — Sheet 14

10 05 — mc - 7900

	pc1				P.C. pc1 pc2	P.C. pc1 pc2	Mean.	Diff.
01	B.				8.4 8.7	8.2 8.5	8.60 11	∓1.21
02	B.				8.4 8.7	8.6 8.9	8.80 11	1.39
03	B.				~~+0.6~~ 9.8 ws.	10.3	10.05 23	− 1.81
04	B					10.4	10.4 00	1.93
05	B					10.6	10.7 01	1.93
06	B.		Mean.			10.8	10.9 01	2.01
07	B.			Diff.		11.4	11.4 00	2.10
08	5.4 5.7	5.3 5.8	5.75 10	+3.54		11.2	11.5 11.35 21	2.06
09	5.5 5.8	5.6 5.9	5.85 01	~~3.3~~ 3.57		11.7	11.6 11.65 10	2.23
010	6.1 6.4	6.1 6.4	6.40 00	3.36		12.3	12.3 12.30 00	2.54
010a	7.2 7.5	6.8 7.1	7.30 22	3.06		Dup.	Dup.	
011	5.8 6.1	5.9 6.2	6.15 10	3.45		12.2	12.3 12.25 01	2.65
012	7.0 7.3	7.0 7.3	7.30 00	3.16		13.2	13.2 13.20 00	2.74
013	7.4 7.9	7.4 7.7	7.80 12	2.92		13.5	13.4 13.45 10	2.73
014	7.7 8.0	7.8 8.1	8.05 01	2.90		13.5	13.6 13.55 10	2.60
015	7.5 7.8	7.6 7.9	7.85 01	2.98		13.5	13.5 13.50 00	2.67
016	7.5 7.8	7.8 8.1	8.05 21	2.92		13.5	13.6 13.55 10	2.58
017a	7.7 8.0	7.7 8.0	8.00 00	..		13.9	13.9 13.90 00	—
016a	8.8 9.1	8.9 9.2 9.3	9.20 101	..		m.s.	m.s.	
014a	8.4 8.7	8.4 8.7	8.70 00	..		~~13.5~~ f.	f.	
018	8.8 9.1	9.0 9.3	9.20 11	2.39		m.s.	m.s.	
019	~~7.0~~ 7.9	9.4	9.7 9.7	9.55 21	2.45			
020		10.4	10.4	10.40 00	2.04			
021		10.5	10.3	10.40 12	2.05			
022		10.6	10.7	10.65 01	2.00			
023		10.6	10.9	10.75 12	2.04			

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Thursday September 27, 1917.

Scale R Catalogue 4° Squares. B5 Blue.
Mc 7900

	20z	00z		Diff.
24	11.1	11.0	11.05 10	1.83
25	11.3	11.2	11.25 10	1.78
26	11.4	11.6	11.50 11	1.82
27	11.4	11.3	11.35 01	1.80
28	12.4	12.4	12.40 00	1.47
29	12.6	12.8	12.70 11	1.50
30	13.4	13.4	13.40 00	1.46

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Thursday September 27, 1917.

Scale R Catalogue 4° Squares. B5.

Mc - 7900 Kiffin

	g sc.1	sc.2	h sc.1	sc.2	Mean.	
1	7.7	8.2	7.7	8.0	8.10 11	-0.07
2	8.2	8.5	8.4	8.1	8.60 11	-0.19
3	9.7		9.4		9.55 12	1.31
4	10.1		10.1		10.10 00	1.53
5	10.3		10.4		10.35 10	1.63
6	10.1		9.7		9.90 22	1.06
7	10.8		11.1		10.95 21	1.65
8	11.1		11.2		11.15 10	1.86
9	10.1		11.1		11.10 00	1.68
10	11.8		11.6		11.70 11	1.94
10a	12.2		12.1		12.15 01	1.99
11	11.1		11.1		11.10 00	1.50
12	12.4		12.6		12.50 11	2.04
13	12.8		12.8		12.80 00	2.08
14	13.1		12.8		12.95 12	2.00
14a	13.3		13.5		13.40 11	—
15	13.0		12.7		12.85 21	2.02
16	12.8		13.1		12.95 21	1.98
16a	13.5		tfa		13.5 a.	"
~~17~~					. .	"
17a	13.1		12.9		13.00 11	"
18	13.6		13.6		13.60 00	2.01
19	7		f		. .	.
20	ms.					
21						

12.10

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Thursday September 27, 1917.

Scale R. Catalogue 4° Squares. D5.

Mc-

		sc.1	sc.2	Magn.
	1		12.4	9.79
	2	7.4 7.7		10.68
	3		12.2	9.65
	4		12.9	10.18
	5	7.4 7.7		10.68
	6		13.0	10.27
010a =	7		12.3	10.37
03 =	8		10.0	8.20
	9	7.1 7.4		10.47
06 =	10		10.7	8.69
	11		12.0	9.51
	12	7.7 8.0		10.88
	13		10.5	8.55
	14		11.4	9.12
	15		11.1	8.93
	16	7.4 7.7		10.68
	17	7.4 7.7		10.68
011 =	18		11.3	9.51
07 =	19		10.9	9.20
	20		12.2	9.65
	21	7.3 7.6		10.61
01 =	22	8.5 8.8		7.42
	23		11.5	9.20
	24	5.8 6.1		..
	25		11.2	9.00
	26		12.4	10.46

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Thursday September 27. 1917.

Scale R Catalogue 4° Square. B5.
MC 7900

		sc.1	sc.2	Magn.
fr	27		12.2	9.65
fr	28		12.1	9.58
	29	7.7	8.0	10.88
fr	30		11.8	9.39
fr	31		11.4	9.12
	32	7.1	7.4	10.47
	33	7.6	7.9	10.80
09= fr	34		11.7	9.32
010= fr	35		11.8	~~9.3~~ 9.94
05= fr	36		10.6	8.62
08= fr	37		11.4	9.12
fr	38		12.1	9.58
04= fr	39		10.5	8.55
02= fr	40	8.5	8.8	7.42
	41	7.4	7.7	10.68
	42	7.6	7.9	10.80
fr	43		11.3	9.07
g	44		11.7	9.86
fr	45		12.5	9.86
fr	46		12.1	9.58
fr	47		12.1	9.58
	48	6.9	7.2	10.33
fr	49		11.9	9.46
fr	50		12.6	9.93
fr	51		11.7	9.32
	52	7.8	8.1	10.93

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Thursday September 27, 1917.

Scale R. Catalogue 4° Square. B5.

MC 7906

		sc.1	sc.2	Magn.
no star	53			—
	54	7.4	7.7	10.68
fr	55	7.7	8.0	..
	56	6.7	7.0	10.20
	57	7.7	8.0	10.88
	58	7.9	8.2	11.00
	59	8.0	8.3	11.07
	60	7.7	8.0	10.88
	61	7.8	8.1	10.93
	62	8.1	8.4	11.13
g	63		12.1	10.20
	64	7.5	7.8	10.74
fr	65		12.1	9.58
fr	66		12.6	9.93
	67	7.1	7.4	10.47
	68	7.6	7.9	10.80
	69	7.0	7.3	10.40
	70	7.5	7.8	10.74
	71	7.1	7.4	10.47
	72	6.4	6.7	10.00
	73	7.2	7.5	10.54
	74	7.1	7.4	10.47
fr	75		13.0	10.27
	76	7.6	7.9	10.80
	77	8.0	8.3	11.07
fr	78		12.5	9.86

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1915phae.proj.10660

Thursday September 27. 1917.

Scale R Catalogue 4° Squares. B5.

mc 7900

	Dc.1	Dc.2	Magn.
fv 79		12.5	9.86
fv 80		11.6	9.26
81	7.8	8.1	10.93
82	7.4	7.7	10.68
83	7.7	8.0	10.88
fv 84		13.2	10.47
fv 85		12.1	9.58
86	7.5	7.8	10.74
fv 87		10.8	8.74
g 88		12.4	10.46
89	8.1	8.4	11.13
013 = 90	7.5	7.8	10.74
013a - 91	7.7	8.0	10.88
015 = 92	7.5	7.8	10.74
93	7.9	8.2	11.00
fv 94		11.7	9.32
fv 95		11.1	8.93
fv 96		12.4	9.79
97	7.5	7.8	10.74
g 98		12.1	10.20
fv 99		11.8	9.39
100	7.4	7.7	10.68
fv 101		12.1	9.58
102	7.9	8.2	11.00
103	7.6	7.9	10.80
104	8.0	8.3	11.07

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Thursday September 27, 1917.

Scale R Catalogue 4° Squares. B5.

Mc 7900

		Rc.1	Rc.2	Magns.
	105	7.9	8.2	11.00
	106	8.1	8.4	11.13
014=	107	7.9	8.2	11.00
	108	7.8	8.1	10.93
	109	7.0	7.3	10.40
	201	8.7	9.0	11.52
	202	8.8	9.1	11.60
	203	8.5	8.8	11.40
	204	8.9	9.2	11.66
	205	8.4	8.7	11.34
	206	8.7	9.0	11.52
	207		9.7	11.97
	208	9.0	9.3	11.72
	209	7.7	8.0	10.88
	210	8.8	9.1	11.60
	211	8.6	8.9	11.46
	212	8.1	8.4	11.13
	213	8.6	8.9	11.46
	214	8.6	8.9	11.46
	215		9.9	12.11
	216	8.9	9.2	11.66
	217	8.4	8.7	11.34
	218	8.5	8.8	11.40
	219	8.9	9.2	11.66
	220		9.4	11.78

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1915phae.proj.10660

Thursday September 27, 1917 -

Scale m - Catalogue 4° Square. B5.

Mc 7960.

	sc.1	sc.2	Magw.
221	8.9	9.2	11.66
222	8.1	8.4	11.13
223		9.4	11.78
224		9.4	11.78
225		9.3	11.72
226	8.8	9.2	11.66
227	8.4	8.7	11.34
228	8.9	9.2	11.66
229		9.5	11.84
230		9.9	12.11
231		9.2	11.66
232		9.1	11.60
233	8.4	8.7	11.34
234	8.5	8.8	11.40
235	8.4	8.7	11.34
236	8.6	8.9	11.46
237		8.9	11.46
238	8.5	8.8	11.40
239		9.7	11.97
240	8.6	8.9	11.46
241	8.4	8.7	11.34
242		9.8	12.04
243	8.4	8.7	11.34
244	8.4	8.7	11.34
245	9.6	9.9	12.11
246	8.6	8.9	11.46

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1915phae.proj.10660

Thursday September 27. 1917.

Scale R Catalogue 4° Square. B5.

MC 7900

	dc.1	dc.2	Magn.
247	8.5	8.8	11.40
248	8.8	9.1	11.60
249	8.6	8.9	11.46
250	8.9	9.2	11.66
251	9.4	8.7	11.34
252		9.7	11.78
253		9.7	11.78
254		9.8	12.04
255	8.6	8.9	11.46
256	8.6	8.9	11.46
257	8.7	9.0	11.52
258	8.8	9.1	11.60
259	8.6	8.9	11.46
260		9.8	12.04
261		9.7	11.97
262	8.5	8.8	11.40
263	7.9	8.2	11.00
264	8.9	9.2	11.66
265	8.8	9.1	11.60
266	8.9	9.2	11.66
250a		9.3	11.72

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1915phaa.proj..10660

Wednesday
Tuesday October 24, 1917.

Scale 1 m | Catalogue 4° Square C6 - Blue.
10 40 | mc 7770. | Superposed on mc 8581.

1 Dc.

	sc.1	sc.2			sc.1	sc.2	Mean.
1	B				5.0	5.2	5.21 ± .
2	off				off		
3	B.				5.8 60	5.9 61	6.05 01
4	B.				5.8 60	6.0 62	6.10 ±1
5	B				6.4 66	6.1 63	
6	B				6.5 67	6.4 66	
7	B.				7.4	7.0 72	
8	B				7.4	7.3	
9	B.				7.3	7.2	
10	B				7.6	7.5	
10a	B.				7.7	7.6	
11	B.				8.1	8.1	
12	B				8.3	8.1	
13	B. 4.2			Mean.	8.7	8.3	
14	4.2	4.4	B.	4.4 ± .	8.1	8.7	
15	B.		4.0 42	4.21 ± .	8.9	8.8	
16	4.7	4.9	4.8 50	4.95 ±0	9.3	9.4	
17	4.8	5.0	4.9 51	5.05 01	9.2	9.4	
18	5.3	5.5	5.3 55	5.50 00	9.5	9.6	
19	5.4	5.4	5.2 54	5.40 00	9.8	9.8	
20	5.2	5.4	5.3 55	5.45 01	9.6	9.8	
21	5.5	5.7 5.6	5.6 58	5.70 ±1	±	±	
22	5.9	6.1 6.2	5.9 61	6.13 010			
23	6.5	6.7 6.4	6.4 66	6.57 120			
24	6.6	6.8 6.8	6.8	6.80 000			
25		7.3	7.2.	7.25 10			

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Wednesday October 24, 1917.

Scale 8 m. Catalogue 4° Square. C6.

mc 77 70

	pc 1	pc 2	Mean.
26	7.6	7.4	7.5012
27	7.8	7.8	7.80 00
28	8.1	8.1	8.10 00
29	7.8	7.8	7.80 00
30	8.5	8.5	8.50 00
31	8.9	8.8	8.85 10
32	8.8	8.6	8.70 12
33	9.1	9.1	9.10 00
34	8.7	8.7	8.70 00
35	9.8	9.8	9.80 00
36	m.s.	m.s.	

26c	7.8		7.8 a.
29a	8.2		8.2 a.
26b	7.8		7.8 a.
30a	8.6	8.7	8.65 01

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Wednesday October 24. 1917 -

Scale 8m Catalogue 4° Sq. C6.

mc 7770

Diffr. 1m.

	g		h		
	sc.1	sc.2	sc.1	sc.2	Mean.
1	4.1	4.3	4.1	4.3	4.30 00
2	off		off.		.
3	9f		5.3	5.6	5.5 . 02
4	5.3	5.5	5.2	5.4	5.45 10
5	9f		9f		9f
6	5.7	5.9	5.8	6.0	5.95 10
7	9f				.
8	5.6	5.8	9f		5.8 02 .
9	6.4	6.6	6.5	6.7	6.65 01
10	6.4	6.6	6.6	6.8	6.70 11
10a	6.7	6.9	7.1		7.00 11
11	7.6		7.6		7.60 00
12	7.5		7.4		7.45 10
13	7.7		7.8		7.75 10
14	8.2		8.1		8.15 01
15	8.2		8.2		8.20 00
16	8.6		8.7		8.65 01
17	8.6		8.8		8.70 11
18	9.1		9.2		9.15 10
19	8.8		9.1		8.95 21
20	9.2		9.3		9.25 01
21	9.4		9.4		9.40 00
22	9.4		9.1		9.55 21
23	9.1		9.8		9.75 10
24	ns.		ns		
25					
26					

125

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Wednesday October 24. 1917.

Scale 1 m Catalogue 4° Sq. C6.
Merging.

	sc.1	sc.2
fr 1		8.3
fr 2		7.8
fr 3		8.5
fr 4		7.9
fr 5		7.8
fr 6		8.6
fr 7		8.3
fr 8		8.5
fr 9		8.1
fr 10		8.3
11	45 hour	
fr 11		9.3 ??
fr 12		8.3
fr 13		9.3
fr 06 = 14	6.4	
fr 08 = 15		7.1
fr 16		8.4
fr 17		7.5
fr 18		8.1
fr 19		7.9
05. fr 20	6.4	
on Polar exp. 21		
fr 01 = 22	5.1	
23	4.4	
fr 24		7.6
fr 25		8.6
g fr 26		8.5

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Wednesday October 24th. 1917.

Scalem. Catalogue 4° Square. C6 =
Mcnnpo.

	sc.1	sc.2
fr 27		8.4
fr 28		8.8
fr 29		8.7
g 30		8.4
fr 31		8.3
fr 32		8.4
fr 33		9.2
fr 34		8.7
fr 35		7.4
fr 36		9.1
fr 37		7.7
fr 38		8.6
fr 39		9.2
g from fr 40		9.7
fr 41		9.5
fr 42		7.2
fr 43		8.4
fr 44		9.2
fr 0j = 45		7.4
fr 46	45	
close to bright star fr 47		7.8
fr 48		8.6
fr 49		8.1
fr 010a = 50		7.7
fr 51		8.5
fr 52		8.9

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Wednesday October 24, 1917.

Scale m — Catalogue 4° Square. C6.
Mennone.

		sc.1	sc.2
fr 010 =	53		7.6
fr 015 =	54		8.7
fr 013 =	55		8.4
fr	56		8.2
	57	4.8	
fr 04 =	58	5.9	
fr	59		8.8
09 = fr	60	6.9	
014 = fr	61		8.8
012 = fr	62		8.1
011 = fr	63		8.2
016 = fr	64		9.4
g	65		8.7
	66	5.1	
dbl. fr	67		8.1
fr	68		9.4
fr	69		7.2
fr	70		8.4
fr	71		8.4
fr	72		7.8
fr	73		9.3
fr	74		9.4
fr	75		8.2
fr	76		7.5
g	77		8.8
fr nearly gap = g	78		8.8

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Wednesday October 24, 1917 -

Seelim. Catalogue 4° Sq. C6.
MCMXC

	sc.1	sc.2
fr 79		9.1
fr 80		7.8
fr 81		7.7
fr 82	6.5	
fr 83		8.6
fr 84		8.5
fr 85		9.1
g 86	6.3	
fr 87		9.3
fr 88		9.2
fr 89		7.7
fr 90		8.6
fr 91		8.8
92	5.3	
93	5.1	
fr 94		9.4
95	5.0	
fr 96		9.2
fr 97		9.1
98	4.7	
fr 99		8.1
fr 100		8.8
03 = fr 101	6.2	
fr 102		8.2
fr 103		8.7
fr 104		9.1

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Wednesday October 24. 1917.

Scale m. Catalogue 4° Sq. C6.

Magnigo.

	sc.1	sc.2
fv 105		9.4
fv 106		8.4
fv 107		8.8
fv 108		9.3
fv 109		8.6
110	4.7	
fv 111		8.9
fv 112		8.6
fv 113		9.3
fv 114		9.2
019= fv 115	5.2	
116	4.8	
117	4.7	
118	5.1	
fv 119		7.9
201	5.2	
202	5.6	
203	5.4	
204	5.5	
205	5.7	
206	5.9	
207	5.8	
208	4.8	
209	5.5	
210	6.2	

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Scale m Catalogue 4° sq. Cb.
Mamm.

		sc.1	sc.2
	211	6.4	67 66
	212	5.7	59 60
	213	5.2	54 55
	214	5.7	60 59
g	215		8.8
	216	5.3	56 55
	217	5.2	55 54
	218	5.1	54 53
	219	5.9	62 6.1
	219a	5.2	55 5.4
	220	5.1	54 56 5.3
	221	5.2	55 54
	222	4.8	
	223	4.9	
	224	4.9	
g	225		8.7
	226	6.6	
	227	4.78	
Edge	228	5.1	
	229	4.8	
	230	5.1	
	231	5.1	
	232	6.7	
	233	4.8	
fr	234		9.2
	235	5.6	
	236	5.1	

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Wednesday October 24, 1917.

Isle m. Catalogue 4° Sq. C6.
Monnoo.

	α(1)	α(2)
237	6.6	
238	5.3	
239	4.9	
240	5.5	
241	4.8	
242	4.8	
243	4.7	
244	4.8	
245	~~4.5~~	5.3
g 246		8.8
247	5.8	
248	5.9	
249	5.4	
250	5.5	
251	4.9	
252	5.3	
253	5.7	
254	5.7	
255	5.1	
256	4.8	
g 257		8.8
258	4.7	
259	5.1	
260	4.9	
261	5.1	
262	5.7	

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Wednesday October 24, 1917.

Scale m Catalogue 4° Sq. C6.
mcmxvo.

	Dc.1	sc.2
263	5.2	
264	5.2	
265	5.3	
266	5.1	
267	4.7	8
268	4.7	8
269	4.7	
270	4.9	
271	5.7	
272	5.5	
273	5.3	
274	5.6	
275	5.9	
276	6.7	
277	4.9	
278	4.9	
dbl? 279	5.1	
280	5.1	
281	5.3	
fq 282		8.9
f 283		9.2
284	5.2	8
285	4.8	
f 286		9.3
287	q	
288	5.1	
289	5.0	

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Monday November 12, 1917.

Scale R
1050

Catalogue 4° Square C1 – Blues.
Mc 11378. sup. on Mc 1486.

	sc.1	sc.2	at end of plate sc.1	at end of plate sc.2	mean	Diff.	P.C. sc.1	P.C. sc.2	O.C. sc.2	mean	Diff.
1	B.							9.5	9.6	9.55 ±0	-2.37
2								9.7	9.8	9.75 ±0	-2.36
3	B.							9.9	9.8	9.85 ±0	-2.35
4								10.7	10.7	10.70 00	-2.74
5								11.3	11.4	11.35 ±0	-3.02
6	B.							11.4	11.6	11.50 ±1	-3.02
6a								11.7 11.6	11.6	11.60 00	
7								12.0	11.8	11.75 ±0	-3.08
7a								12.0	11.8	11.90 ±1	-3.04
8	B.		B.		mean	Diff.		12.5	12.4	12.45 ±0	-3.26
9	5.9	6.2	6.2	6.20	00	+3.08		12.3	12.5	12.40 ±1	-3.12
10	dbl.	7.1	dbl.	7.4	7.25 ½	2.44 2.29		dbl.	dbl.		
11	6.8	7.7	7.1	7.7	7.70 00	2.32		12.8	12.6	12.70 ±1	-3.01
12	7.4	7.8	7.4	7.7	7.75 0 1	2.40		13.4	13.4	13.40 00	-3.38
13	7.8	8.1	7.4	8.4	8.25 ½	2.19		14.0	14.0	14.00 00	-3.85
13a	7.8	B.	8.1					f.	f.		
	8.5	8.50 00		8.6	8.55 ±0	2.07					
14	8.2	8.5	8.3								
	9.1	9.00 1		9.1	9.05 01	1.99					
15	8.6	8.9	8.8	S		mean	Diff				
	9.2	9.15 01		9.4	9.35 01	9.25 10 10	1.98				
16	8.9	9.1		9.1	9.4 3.						
17		9.6		9.7		9.65 01	1.85				
17a		10.5		10.5		10.50 00	1.44				
18a		10.4		10.4		10.40 00					
19		10.7		10.7		10.70 00	1.51				
20		11.2		11.3		11.25 01	1.37				
21		11.5		11.6		11.55 ±0	1.37				
21a		12.1		12.1		12.10 00	1.25				
22		12.4		12.4		12.40 00	1.14				
23		12.3		12.4		12.35 ±0	1.16				

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1915phae.proj.10660

Monday November 12, 1917.

Scale R Catalogue 4° Squared.

Mc. 11378.

	g sc.1	g sc.2	h sc.1	h sc.2	mean	Diff.
1	~~9.5~~ def?		8.8		8.8 a.	-1.62
2	8.6		8.6		8.60 0 0	-1.21
3	8.6 8.9		8.5 8.8		8.85 1 0 0 1	-1.35
4	9.3		nearly sup.		9.3 a.	-1.34
5	10.4		10.5		10.45 0 1 1 0	-2.12
6	10.4		10.5		10.45 0 1 1 0	-1.97
7	10.6		10.6		10.60 0 0	-1.93
7a	11.1		10.8		10.95 ± 1	-2.09
8	11.3		11.4		11.35 ⊥ 1	-2.16
9	11.6		11.6		11.60 0 0	-2.32
10	dbl.		dbl.			
11	12.2		11.8		12.00 ± 2	-2.31
12	12.6		12.6		12.60 0 0	-2.58
13	12.7		12.6		12.65 1 0 0 1	-2.50
13a	12.7		12.8		12.75 ⊥ 0	-2.31
14	13.2		13.1		13.15 0 ⊥	-2.53
15	13.6		13.4		13.50 1 ⊥	-2.46
16	13.7		13.4		13.70 0 0	-2.50
17	f.		f.			
18						
18a						
19						
20						
6a	10.5				10.50 a.	

7.20

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Monday November 12, 1917.

Scale R Catalogue 4° Squares.

Mc 11378

	Dec 2	Dec 2		
			~~12.8~~	
24	12.3	12.3	12.30 00	1.30
25	12.7	12.6	12.65 ~~01~~ 10	1.11
26	12.9	13.0	12.95 10	1.16
27	13.3	13.3	13.30 00	1.04
28	13.4	13.4	13.40 00	1.14
29	13.6	13.5	13.55 01	1.17
30	MS.	MS.		
31				
32				
33				

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1915phae.proj.10660

Monday November 12, 1917.

Scale R Catalogue 4° Square.

Mc 11378.

		Dc.1	Dc.2	Magn.
fv	1		11.6	8.58
fv	2		11.6	8.58
	3	7.9 8.2		10.40 ~~10.18~~
	4	7.7 8.0		10.26 ~~10.03~~
	5	7.8 8.1		10.33 ~~10.10~~
fv	6		11.7	8.65
fv	7		12.7	9.53
	8	7.5 7.8		10.10 ~~9.89~~
fv	9		12.4	9.27
	10	8.0 8.3		10.47 ~~10.26~~
fv	11		9.8	7.42
fv	12		12.7	9.53
fv	13		11.6	8.58
fv	14		12.5	9.35
	15	7.4 7.7		10.03
	16	8.0 8.3		10.47
no star	17	· 7.7		
	18	7.4 7.8		10.03
	19	7.5 7.7		10.10
	20	7.4 7.8		10.03
	21	7.5 7.4		10.10
	22	7.1		9.82
02= fv	23		10.0	7.54
fv	24		13.3	9.98
	25	6.9 7.2 7.9		9.68
	26	7.6		10.18

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Monday November 12, 1917.

Scale R Catalogue 4° Square. C1 - Blue.

Mc 11378.

		sc.1	sc.2	Magn.
	f 27		12.8	9.62
	g 28		12.3	9.91
013 =	f 29		11.1	8.24
01 =	f 30		9.5	7.24
010 =	31		dbl.	
011 =	g f 32		12.2	9.84
	g 33		11.4	9.22
	f 34		12.8	9.62
	g 35		11.8	9.53
	36	7.9	8.2	10.40
	g 37		12.3	9.91
	38	6.8	7.1	9.61
	39	7.4	7.7	10.03
	f 40		12.3	9.17
	g 41		11.8	9.53
	42	7.4	7.7	10.03
	f 43		9.4	7.18
	f 44		13.0	9.78
	f 45		11.6	8.58
	f 46		12.4	9.27
	47	7.6	7.9	10.18
	g 48		11.8	9.53
	f 49		13.0	9.78
	f 50		11.9	8.80
	f 51		11.4	8.44
	f 52		11.7	8.65

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Monday November 12, 1917.

Scale R Catalogue 4° Squares. C1 –

Mc 13 78.

			ΔC 1	ΔC 2	Magn.
				7.8	
		53	7.5		10.10
				8.6	
		54	8.3		10.68
				7.6	
		55	7.3		9.98
	q	56		11.4	9.22
	f	57		11.8	8.72
05=	f	58		10.9	8.12
08=	f	59		12.3	9.17
	f	60		12.3	9.17
	f	61		12.6	9.45
	f	62		10.4	7.80
	f	63		13.4	10.03
	q	64		11.7	9.46
	f	65		12.3	9.17
				7.9	
		66	7.6		10.18
	f	67		12.2	9.08
				8.7	
		68	8.4		10.76
dbl.	Proc. Tols	69	8.0	8.3	10.47
			8.6	8.9	10.91
	f	70		11.1	8.24
	f	71		13.2	9.92
				8.2	
		72	7.9		10.40
no star		73	.		
				7.8	
		74	7.5		10.10
	q	75		12.2	9.84
07a=	f	76		11.8	8.72
	q	77		10.7	8.72
04–	f	78		10.5	7.86

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Monday November 12, 1917.

Scale Catalogue 4° Square C1.

MC 11378

		sc.1	sc2	Magn.
	79		12.4	9.27
	80		12.8	9.62
012=	81	7.3 (7.6)		..
	101		9.3	11.20
	102	8.5 (8.8)		10.83
	103		9.9	11.62
	104		9.4	11.28
	105		9.7	11.48
	106		9.9	11.62
	107	8.7 (9.0)		11.00
	108		9.4	11.28
	109		9.6	11.42
	110		10.8	12.27
	111	7.7 (8.0)		10.26
	112	8.4 (8.7)		10.76
	113		9.8	11.56
	114		9.8	11.56
	115	8.5 (8.8)		10.83
	116		9.8	11.56
	117		10.0	11.69
	118	8.6 (8.9)		10.91
	119		9.9	11.62
	120		9.6	11.42
	121		10.6	12.11
	122		9.5	11.35

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Monday November 12, 1917.

Scale R Catalogue 4° Square. Cl. - Blue.

mc 11/2/18.

	sc.1	sc.2	Magn.
123		9.8	11.56
124	8.1	8.4	10.54
125	7.4	7.7	..
126		9.1	11.48
127	8.4	8.7	10.76
128	8.6	8.9	10.91
129		9.5	11.35
130		9.5	11.35
131	8.6	8.9	10.91
132	8.4	8.7	10.76
133		9.21	11.13
134	8.7	9.0	11.00
135		9.3	11.20
136	8.8	9.1	11.07
137		9.9	11.62
138		9.6	11.42
139	8.4	8.7	10.76
140		10.8	12.27
141		9.3	11.20
142	8.4	8.7	10.76
near scratch 143		9.3	11.20
144		9.9	11.62
145	8.5	8.8	10.83
146		9.4	11.28
147		9.5	11.35
148		10.1	12.19

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Monday November 12, 1917.

Scale R. Catalogue 4° Square. C1–
MC11378

	sc.1	sc.2	Magn.
149	8.1	8.4	10.54
150	8.7	9.0	11.00
151		10.0	11.69
152		9.3	11.20
153		10.1	12.19
154		9.5	11.35
155	8.6	8.9	10.91
156		9.9	11.62
157	8.8	9.1	11.07
158	7.8	8.1	10.33
159	8.6	8.9	10.91
160	8.4	8.7	10.76
161	8.1	8.4	10.54
162	8.4	8.7	10.76
163	8.3	8.6	10.68
164	8.9	9.2	11.13
165		10.1	11.76
166		9.9	11.62
167		10.5	12.05
168	8.9	9.2	11.13
169	9.2	9.5	11.35
170	8.7	9.0	11.00
171		9.4	11.28
172		9.9	11.62
173		9.4	11.28
174		8.8	10.83

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Scale R. Catalogue 4° Square C1-.
Mc 113 78

	sc.1	sc.2	Magn.
175	8.8	9.1	11.07
176	8.2	8.5	10.62
177		9.8	11.56
178		9.8 4	11.28
178a		9.8	11.56
179		8.9	10.91
180	8.9	9.2	11.13
181	7.7	8.0	10.26
182		9.5	11.35
183		8.9	10.91
184		8.9	10.91
185		10.1	11.76
186		10.6	12.11
187		8.9	10.91
188		9.8	11.56
189	8.8	9.1	11.07
190		10.0	11.69
191		9.1	11.07
192	8.9	9.2	11.13
193	8.9	9.2	11.13
194	8.4	8.7	10.76
195	8.6	8.9	10.91
196		9.7	11.48
197	8.4	8.7	10.76
198	7.9	8.2	10.40
199	8.5	8.8	10.83
200	8.9	9.2	11.13

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Sheet 18

Scale R Catalogue 4° Squares. C1 –

MC 11378

	sc.1	sc.2	Magn.
201		9.8	11.56
202	8.6	8.9	10.91
203		9.8	11.56
223a		9.5	11.35
224		9.8	11.56
225		9.4	11.28
226		9.7	11.48
227	8.0	8.3	10.47
228	7.8	8.1	10.33
229	8.7	9.0	11.00
230		9.3	11.20
231		10.7	12.19
232	8.4	8.7	10.76
233	7.8	8.1	10.33
234		9.4	11.28
235	8.6	8.9	10.91
236		9.7	11.48
237	8.5	8.8	10.83
238	8.0	8.3	10.47
239	7.6	7.9	10.18
240	7.7	8.0	10.26
241	9.0	9.3	11.20
242		9.9	11.62
243		9.7	11.48
244	7.7	8.0	10.26
245	9.0	9.3	11.20
246	8.8	9.1	11.07

202–221 omitted by mistake See p. 214

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Scale R Catalogue 4° Square. C1- Blue.

MC 11378

	sc. 1	sc. 2	Magn.
247	8.6	8.9	10.91
248	8.2	8.5	10.62
249	8.4	8.7	10.76
250	8.3	8.6	10.68
251		9.9	11.62
252		9.3	11.20
253		9.3	11.20
254	8.5	8.8	10.83
255	8.7	9.0	11.00
256		9.1	11.07
257		9.1	11.07
258		9.4	11.28
259		9.5	11.35
260		8.7	10.76
261		8.9	10.91
262		9.4	11.28
263	7.8	8.1	10.33
264	7.4	7.7	10.03
265	7.9	8.2	10.40
266	8.5	8.8	10.83
267	7.8	8.1	10.33
268	7.8	8.1	10.33
269	7.7	8.0	10.26
270	8.4	8.7	10.76
271	8.5	8.8	10.83
272	8.5	8.8	10.83

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Scale R Catalogue 4° Square Cl. Blue

Mc 11 3 7 8

	dc.1	dc.2	magn.
202	8.6	8.9	10.91
203	8.9	9.2	11.13
204		9.5	11.35
205	7.9	8.2	10.40
206			
207		9.5	11.35
208	8.0	8.3	10.47
209	9.0	9.3	11.20
210		9.7	11.48
211	7.6	7.9	10.18
212	8.1	8.4	10.54
213		9.7	11.48
214		9.21	11.13
215		9.9	11.62
216	8.5	8.8	10.83
217		9.8	11.56
218		10.4	11.97
219	8.7	9.0	11.00
220	8.8	9.1	11.07
221		9.7	11.48

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