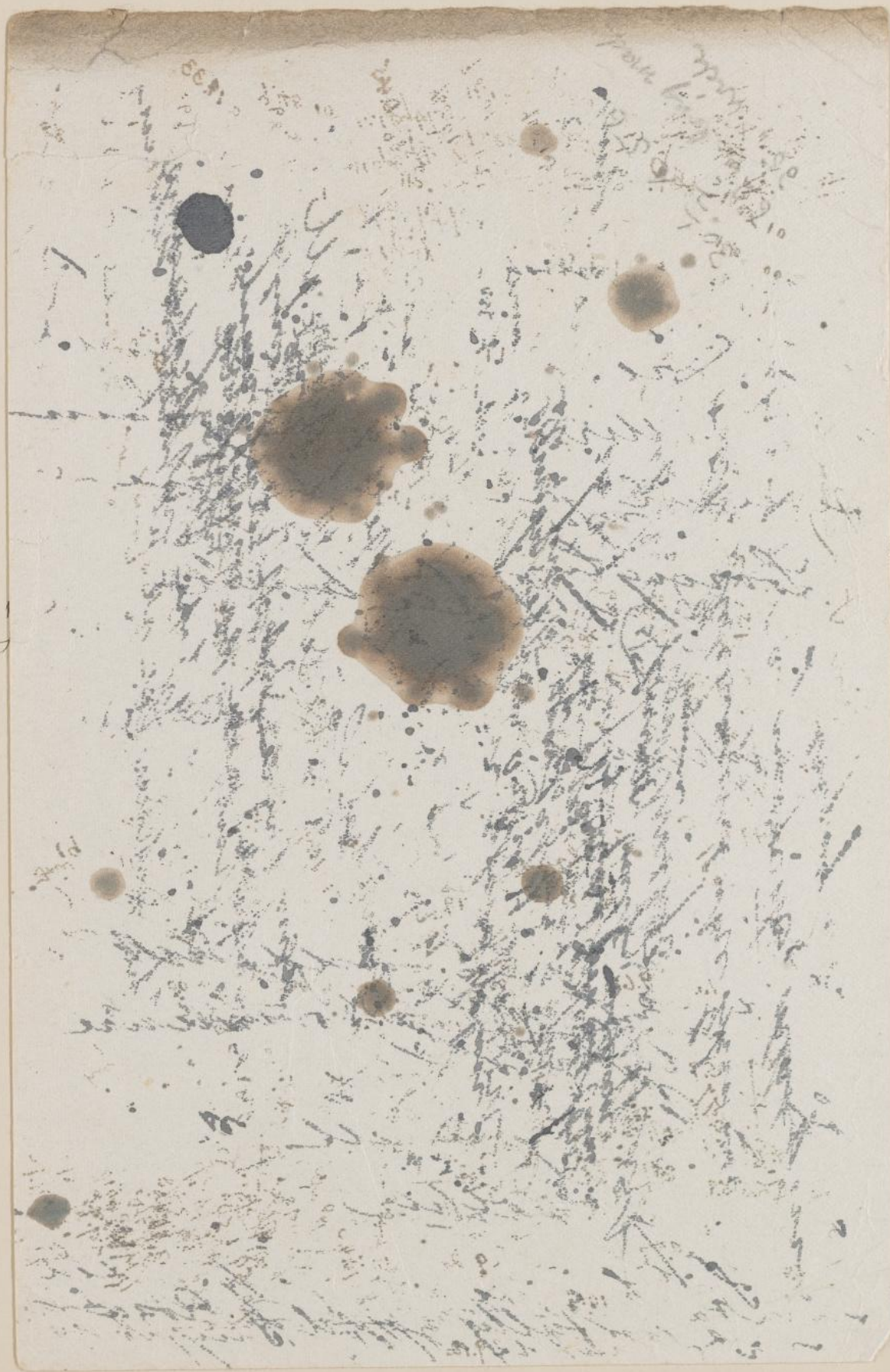


KG
11366
085

Observing Book 31

Cat. Sc. measures. Mollie O'Leary Sloan.

KG 11366 .085



30.

20.

70



Observing Book 32 - cont. from Bk 30.
For Catalogues - 4° square. Scale measures.
Mollie Reilly Sloant.

Although measures in this book, and in all of my books have been recorded in order of brightness, they were measured as irregularly as possible, to obtain independent observations.

M. Sloan

Sept. 10, 1918.

Measure sequence stars about a magn. fainter than faintest star in 4^o catalogue.

Per H. S. L. Sept. 10, 1918.

Up to the present time, the whole ref. seq was measured, and a great deal of time was spent identifying faint stars.

KG 11366.085



Continued from Book 30:219-
 Monday May 13, 1918.

Scale R

Catalogue 4° Square

C4- Blue

mc 7953

	sc.1	sc.2
791	8.3 8.0	
792	8.8 8.5	
793		10.0
794	8.2 7.9	
795	8.7 8.4	
796	9.1 8.8	
797		9.8
798	8.9 8.6	
799	9.2 8.9	
800	9.0 8.7	
801	9.1 8.8	
802	8.8 8.5	
803	9.1 8.8	
804	8.0 7.7	
805	8.9 8.6	
806	8.8 8.5	
807		10.4
808	8.6 8.3	9.7
808a	8.8 8.5	
809	8.8 8.5	
810	8.8 8.5	
811	8.8 8.5	
811a	8.8 8.2	
812		9.6
813		10.3
814	8.6 8.3	
815		10.4
816	8.9 8.6	

Monday May 13, 1918.

Scale R Catalogue 4^o Square. C4- Blue.
mc7753

	sc.1	sc.2
817		9.8
818		10.4
819	⁹² 8.9	
820		10.4
821		10.0
822		9.4
823		9.6
824		10.8
825	⁸⁷ 8.4	
826	⁸⁷ 8.4	
827	⁸⁹ 8.6	
828		9.1
829	⁹² 8.9	
830	⁸⁹ 8.6	
831	⁸⁹ 8.6	
832	⁸⁷ 8.4	
833		9.4
834		10.6
835	⁹³ 9.0	
836		10.5
837		10.8
838	⁹¹ 8.8	
839		9.7
840	⁹³ 9.0	
841		10.7
842	⁸⁶ 8.3	

Monday May 13, 1918

Scale R

Calatogue 4° Square. C4 Blue.

mc7753

	sc. 1	sc. 2
843	9.1 8.8	
844	8.5 8.2	
845	8.9 8.6	
846		9.6
847		10.2
848		9.8
849	9.1 8.8	
850	8.3 8.1	
851	8.1	
852	8.1 8.8	
853	8.9 8.6	
854	8.9 8.6	
855	8.7 8.4	
856		10.1
857	8.4 8.1	
858	7.8 7.5	
859	8.9 8.6	
860	9.1 8.8	
861		9.4
862	8.9 8.6	
863	8.7 8.4	
864		10.3
865		9.9
866	8.7 8.4	
867		9.9
868	9.0 8.7	

Monday, May 13, 1918.

Scale R Catalogue 4° Square. C4. Blue

mc 7753

sc1 sc2

869		9.6
870		9.1
871		9.5
872	8.8 8.2	
873	9.3 9.0	
874		10.0
875	8.7	9.8
875a	8.4	
876		10.6
876a		9.6
877		9.6
878	8.9 8.6	
879	8.8 8.5	
880	8.7 8.4	
881		10.4
882		10.6
883	8.9 8.6	
884		9.6
885		9.4
886	8.8 8.5	
887		10.4
888	8.7 8.4	
889		9.4
890		9.4
890a		9.5
891		9.4
no star	892	—
	7.8	
	893	7.5
	8.3	
	894	8.0

Wednesday May 15, 1918.

Scale R
9.50

Catalogue 4° square.
mc 1953

⊙ C4- Blue cont-

	sc.1	sc.2	Sc.1		sc.1	sc.2	sc.1	sc.2
1	⊙		⊙		83		82	
2					80		79	
3					89		89	
4					86		86	
4a					92		91	
5					87		88	
6								
7	⊙				96		95	
8					99		10.1	
9	⊙		⊙		10.4		10.6	
9a	69		70		10.5		10.5	
10	66		67		10.9		11.1	
11	73		73		11.1		10.9	
12	70		70		11.4		11.6	
13	74		74		12.1		12.1	
14	71		71		12.5		12.4	
15	73		76		12.3		12.4	
16	70		73		12.4		12.5	
17	79		77		13.1		13.0	
18	76		74		13.4		13.4	
19	84		81		13.4		13.4	
20	81		89		13.5		13.4	
21	90		86		13.7		13.7	
22	87		90		13.7		13.7	
23	91		84		13.7		13.7	
24	88		93		13.7		13.7	
25	93		90		13.7		13.7	
26	90		90		13.7		13.7	
27	90		90		13.7		13.7	
28	90		90		13.7		13.7	
29	90		90		13.7		13.7	
30	90		90		13.7		13.7	
31	90		90		13.7		13.7	
32	90		90		13.7		13.7	
33	90		90		13.7		13.7	
34	90		90		13.7		13.7	
35	90		90		13.7		13.7	
36	90		90		13.7		13.7	
37	90		90		13.7		13.7	
38	90		90		13.7		13.7	
39	90		90		13.7		13.7	
40	90		90		13.7		13.7	
41	90		90		13.7		13.7	
42	90		90		13.7		13.7	
43	90		90		13.7		13.7	
44	90		90		13.7		13.7	
45	90		90		13.7		13.7	
46	90		90		13.7		13.7	
47	90		90		13.7		13.7	
48	90		90		13.7		13.7	
49	90		90		13.7		13.7	
50	90		90		13.7		13.7	
51	90		90		13.7		13.7	
52	90		90		13.7		13.7	
53	90		90		13.7		13.7	
54	90		90		13.7		13.7	
55	90		90		13.7		13.7	
56	90		90		13.7		13.7	
57	90		90		13.7		13.7	
58	90		90		13.7		13.7	
59	90		90		13.7		13.7	
60	90		90		13.7		13.7	
61	90		90		13.7		13.7	
62	90		90		13.7		13.7	
63	90		90		13.7		13.7	
64	90		90		13.7		13.7	
65	90		90		13.7		13.7	
66	90		90		13.7		13.7	
67	90		90		13.7		13.7	
68	90		90		13.7		13.7	
69	90		90		13.7		13.7	
70	90		90		13.7		13.7	
71	90		90		13.7		13.7	
72	90		90		13.7		13.7	
73	90		90		13.7		13.7	
74	90		90		13.7		13.7	
75	90		90		13.7		13.7	
76	90		90		13.7		13.7	
77	90		90		13.7		13.7	
78	90		90		13.7		13.7	
79	90		90		13.7		13.7	
80	90		90		13.7		13.7	
81	90		90		13.7		13.7	
82	90		90		13.7		13.7	
83	90		90		13.7		13.7	
84	90		90		13.7		13.7	
85	90		90		13.7		13.7	
86	90		90		13.7		13.7	
87	90		90		13.7		13.7	
88	90		90		13.7		13.7	
89	90		90		13.7		13.7	
90	90		90		13.7		13.7	
91	90		90		13.7		13.7	
92	90		90		13.7		13.7	
93	90		90		13.7		13.7	
94	90		90		13.7		13.7	
95	90		90		13.7		13.7	
96	90		90		13.7		13.7	
97	90		90		13.7		13.7	
98	90		90		13.7		13.7	
99	90		90		13.7		13.7	
100	90		90		13.7		13.7	

Wednesday May 15, 1918.

Scale

Catalogue 4° Square.

G4-

Blue.

sc. 1 sc. 2

25 12.4 12.2

26 12.54 12.4

27 12.5 12.6

28 13.1 13.0

29 13.4 13.3

30

3

Wednesday May 15, 1918.

Scale R

Catalogue 4° Square.

C4 - Blue.

mc 7153

Diff. Im.

	g	h
	sc.1 sc.2	sc.1 sc.2
	8.4	8.4
1	8.1	8.1
	8.7	9.1
2	8.4	8.8
	8.7	8.7
3	8.4	8.4
	9.1	9.0
4	8.8	8.9
4a	9.7	9.1
5	10.4	10.5
6	9.7	10.1
7	10.4	10.4
8	10.7	11.1
9	11.1	11.3
9a	11.6	11.4
10	11.8	11.9
11	11.9	11.6
12	12.2	12.2
13	12.3	12.3
14	12.8	12.7
15	13.4 ³	13.1
16	13.9	13.2
17	13.4	13.4
18	13.6	13.7
19	f.	f.
20		
21		
22		

1115

Wednesday May 15, 1918.

Scale R Catalogue 4° Square. C4. Blue.
mc 7753

	sc. 1	sc. 2
895	8.7	9.5
896	8.4	
897	8.8	
	8.5	
898	7.8	
	7.5	
899	8.9	
	8.6	
900	8.7	9.9
901	8.4	
	8.5	
902	8.2	
	8.8	
903	8.5	
904		10.3
	9.1	
905	8.8	
	8.7	
906	8.4	
907	9.0	
908	8.7	
	9.1	
909	8.8	
	8.5	
910	8.2	
911	8.7	10.1
912	8.4	
	8.9	
913	8.6	
	8.7	
914	8.4	
915	8.5	10.0
916	8.2	
917		9.9
918		9.5
919		9.6
h 920		13.3

sup on diff. of 8.4.

Wednesday May 15, 1918.

Scale 10

Catalogue 4° Square

C4. Blue.

Mc 7753.

sc. 1 sc. 2

921	10.1
922	8.7
923	8.4
924	8.5
925	8.2
926	7.7
927	7.4
928	9.9
929	10.0
930	10.1
931	8.9
932	8.6
933	9.8
934	10.0
935	9.2
936	8.9
937	9.9
938	10.0
939	9.3
940	10.3
941	9.0
942	9.0
943	10.5
944	9.0
945	8.9
946	9.3
947	9.0
948	9.2
949	8.9
950	9.3
951	9.0
952	9.2
953	8.9
954	9.3
955	9.0
956	9.2
957	8.9
958	9.3
959	9.0
960	9.2
961	8.9
962	9.3
963	9.0
964	9.2
965	8.9
966	9.3
967	9.0
968	9.2
969	8.9
970	9.3
971	9.0
972	9.2
973	8.9
974	9.3
975	9.0
976	9.2
977	8.9
978	9.3
979	9.0
980	9.2
981	8.9
982	9.3
983	9.0
984	9.2
985	8.9
986	9.3
987	9.0
988	9.2
989	8.9
990	9.3
991	9.0
992	9.2
993	8.9
994	9.3
995	9.0
996	9.2
997	8.9
998	9.3
999	9.0
1000	9.2

Wednesday May 15, 1918

Scale R

Catalogue 4^o Square.
mc 7753

c4- Blue

	sc.1	sc.2
947		9.7
948	7.9	9.4
949	7.6	
950		9.6
951	8.7 8.4	
952		10.2
953		9.4
954		9.9
955		10.4
956		10.0
957		9.2
958	8.9 8.6	
959		10.6
960	8.7 8.4	
961	8.9 8.6	
962		9.7
963		10.1
964		9.6
965	8.6 8.3	
966		9.4
967		9.8
968		10.1
969	9.1 8.8	
970	8.9 8.6	
971		10.5
972		10.5

Thurs Wednesday May 15, 1918.

Scale R

Catalogue 4° Square. Blue C4-
Mc 7753

	sc.1	sc.2
943	89	
	86	
944	88	
	85	
945		10.5
976	88	
	85	
977	89	
	86	
978		9.7
	87	
979	84	
nearly sup. 980	90	
	87?	
981		9.7
982		9.1
	87	
983	84	
9830		
984		10.6
985		9.3
986		9.7
987		9.8
988		9.7
	9.3	
989	90	
990		9.4
991		10.5
992		9.4
	9.0	
993	87	
994		9.1
995		9.5
996		9.6
997		9.5
998		9.3

Wednesday May 15, 1918

Scale 10 Catalogue 4° Square. C4. Blue.
Mc 7753 -

	se.1	se.2
983a		9.5
982a		10.2
983a		9.8
984a	8.2	
985a	7.9	
986a	8.7	
987a	8.4	
988a	8.9	
989a	8.6	
990a	8.3	
991a	8.0	
992a		9.7
993a	9.2	
994a	8.9	
999		9.4
1000	9.0	
1001	8.7	
1002	8.1	
1003	7.8	
1004		9.5
1005	9.1	
1006	8.8	
1007		10.4
1008	8.9	
1009	8.6	
1010		defect.
1011		9.9
1012		9.4
1013		11.1
1014		10.3
1015	7.9	
	7.6	

Wednesday May 15, 1918.

Scale R Catalogue 4° Sq. C4- Blue.
Mc 7453

sc.1 sc.2

1016	9.7
1017	10.0
1018	9.4

1019	8.2 4.9
1020	9.5

1021	8.9 8.6
1022	10.3

1023	8.8 8.5
1024	9.3 9.0

1025	10.5
1026	8.7 8.4

1027	9.2 8.9
1028	10.3

star s to close}

1029	9.0 8.7 7.9
1030	7.6

1031	9.7
------	-----

1032	9.5
------	-----

1033	10.6
------	------

dbl.

1034	8.7 8.4
1035	10.4

1036	10.3
------	------

1037	8.6 8.3
------	------------

f

1038	12.5
------	------

1039	8.7 8.4
------	------------

1040	9.2 8.9
------	------------

1041	7.7 7.4
------	------------

1042	8.2 7.9
------	------------

Wednesday May 15, 1918.

Scale R Catalogue 4th Square. C4- Blue.
mc 7753

	sc.1	sc.2
	82	
1042	79	
	81	
1043	78	
	79	
1044	169	
	81	
1045	78	
	81	
1046		9.8
	86	87
1047	83.4	
	88	
1048	85	
	84	
1049	81	
	86	
1050	83	
1051		9.4
	93	
1052		10.8
	90	
1053		
	83	
1054	80	
	87	
1055	84	
	83	
1056	80	
	92	
1057	89	
	91	
1058	88	
	86	
1059	83	
	89	
1060	86	
1061		10.7
	83	
1062		9.3
	80	
1063		
	83	
g 1064	80	
	87	
1065	84	12.7
1066		10.0
1067		10.8

Wednesday May 15, 1918.

Scale R

Catalogue 4° Square. C4 - Blue.

Mc 7753

dbl.

	sc. 1	sc. 2
1068	8.9	9.2
1069	8.6?	9.7?
1070	8.6	10.1
1071	8.3	
1072	8.2	
1073	8.3	
1074	8.7	10.1
1075	8.4	
1076	8.4	
1077	7.9	
1078	8.1	
1079	7.6	
1080	8.1	
1081	8.6	9.3
1082	8.3	
1083	9.6	10.0
1084	8.7	
1085	8.8	9.6
1086	8.5	
1087	8.3	
1088	8.9	9.5
1089	8.6	
1090	8.7	
1091	8.1	
1092	7.9	
1093	8.6	

Wednesday May 15, 1918.

Scale R Catalogue 4th Square C4- Blue.
mc 7753.

	sc.1	sc.2
1094	84	9.1
1095	8.1	
1096	9.3	
	9.0	
1097	8.4	
	8.1	
1098	8.4	
	8.19	
1099		10.2
1100		9.9
1101		10.0
1102		10.6
1103		9.7
1104		9.3
1105		10.4
	8.5	
1106	8.2	
	8.6	
1107	8.3	
	7.9	
1108	7.6	
1109		9.4
1110		10.6
	8.0	
1111	7.7	
1112	9.0	12.6
	8.7	
1113		9.4
	9.1	
1114	8.8	
1115		10.5
	8.5	
1116	8.2	
	8.6	
1117	8.3	
	8.9	
1118	8.6	
	9.0	
1119	8.7	

Wednesday May 15, 1918

Scale R

Catalogue 4th Square. C4- Blue.

Mc 7753.

sc. 1 sc. 2

1120 7.8 10.3

1121 4.5

1122 7.7

1122 7.6

1123 10.1

1124 10.6

1125 defect.

1126 10.3

1127 defect?

1128 8.9

1128 8.6

1129 9.2

1129 8.9

1129 8.7

1130 8.4

1131 9.8

1132 8.9

1132 8.6

1133 8.9

1133 8.6

1134 8.7

1134 8.4

1135 8.3

1135 8.0

1136 8.6

1136 8.3

1137 8.5

1137 8.2

✓ 1138 13.4

1139 9.8

1140 8.2

1140 7.9

1141 8.1

1141 7.8

1142 7.5

1142 8.9

1143 8.6

1144 8.7

1144 9.7?

1145 8.4

Wednesday May 15, 1918.

Scale R

Catalogue
mc 7753

4° Square.

C4.

Blue

	sc.1	sc.2
1146	93	
	90	
1147	91	
	88	
1148	83	
	80	
1149	89	
	86	
1150	79	
	76	
1151	88	
	85	
1152	86	
1152	83	
1152	81	
1153		9.4?g
1154		9.2
1155	88	
	85	
1156		sup.
1157		9.8
1158	78	
	75	
1159	71	
	88	
1160		

p88 =

Wednesday May 22, 1918.

Scale R

935

Catalogue 4° Square. C11- 21+15°

mc9298

	sc.1	sc.2	sc.1	sc.2
1 B.				
1a 2 B.				
2				
3				
4				
5				
6				
7 B.				
8 B.				
9	5.6			
	5.3			
10	5.8	5.75 01		5.7
	5.5			5.4
11	6.6	6.60 00		6.6
	6.3			6.3
12	6.7	6.70 00		6.7
	6.4			6.4
13	6.6	6.60 00		6.6
	6.3			6.3
14	6.8	6.80 00		6.8
	6.5			6.5
15	7.4	7.45 01		7.5
	7.1			7.2
16	7.9	7.90 00		7.9
	7.6			7.6
17	7.9	7.90 00		7.9
	7.6			7.6
17a	8.6	8.65 01		8.7
	8.3			8.4
17b	8.6	8.60 00		8.6
	8.3			8.8
18	8.7	8.65 10		8.6
	8.4			8.3
19	8.7	8.70 00		8.7
	8.4			8.4
20	9.0	9.00 00		9.0
	8.7			8.7
21		9.6 9.50 11		9.4
22		9.8 9.70 11		9.6
23		9.5 9.55 10		9.6

sc.1	sc.2	sc.1	sc.2
8.2		7.9	
7.9	8.05 21	7.6	
7.7		7.8	
7.6	7.85 10	7.5	
8.7			
8.4			
9.2			
8.9			

			9.4
9.6	9.60 00		9.6
10.2	10.20 00		10.2
10.4	10.30 11		10.2
10.9	10.85 10		10.8
11.2	11.00 22		10.8
11.8	11.80 00		11.8
12.1	12.10 00		12.1
12.1	12.20 11		12.3
12.3	12.35 10		12.4 [?] acc.
12.6 [?] nearly exp.	12.60 06		12.6 [?]
12.8	12.75 01		12.7
12.9	13.40 00		13.4
14.0 [?] ft			

Wednesday May 22, 1918.

Scale R

Catalogue 4° Square. C11-

mc 9298

	sc. 2	sc. 2	
24	106 10.55 ⁰¹	10.5	
25	10.5 10.50 ⁰⁰	10.5	
26	11.4 11.40 ⁰⁰	11.4	
27	11.4 11.30 ¹¹	11.2	
28	11.5 11.40 ¹¹	11.3	
29	11.9 11.88 ¹⁰	11.8	
30	12.3 12.25 ¹⁰	12.2	
31	12.6 12.50 ¹¹	12.4	
32	12.5 12.50 ⁰⁰	12.5	
33	13.1 12.98 ²²	12.7 13.1	
34	13.4? 13.50 ¹¹	13.6?	
35	f.	f.	
296	12.3		

Wednesday May 22, 1918.

Scale R

Cat. 4°

Square.

C 11

mc 9298

g

h

	sc. 1	sc. 2	sc. 1	sc. 2
1	7.9 7.6 7.7	7.95 1.0	8.0 7.7 7.4	
1a	6.8g 8.0 8.7	7.40 2.3	7.8 7.5 8.7	
2	8.6 8.9	7.90 1.1	8.6 8.9	
3	8.6 8.9	8.90 0.0	8.6 8.9	
4	8.6	8.90 0.0	8.6	
5		10.1 9.85 3.2	9.6	
6		9.7 9.70 0.0	9.7	
7		10.2 10.25 0.1	10.3	
8		10.6	10.3 faintly sup	
9		11.3 11.10 2.2	10.9	
10		11.3 11.25 1.0	11.2	
11		9.8	12.1g	
12		11.9 12.0 1.1	12.1	
13		11.7g 11.90 2.2	12.1	
14		12.1 12.15 1.0	12.2	
15		6.5 nearly sup.	12.4	
16		12.9 13.15 3.2	13.4	
17		13.4 13.40 0.0	13.4	
17a		13.3? 13.50 2.2	13.7?	
17b		f.	f.	
18		f.		
19				
20				
21				
22				
23				

12:30

Wednesday May 22, 1918.

Scale R

Cat. 4° Square.
mc 9298.

011

sc. sc.

h	1		11.3
h	2		12.0
h	3		11.3
h	4		12.3
h	5	7.2	12.9
h	6	6.9	
h	7		13.4
h	8		12.9
h	9	7.7	12.4
h	10	14	
h	11		10.3
h	12		11.3
h	13		11.4
h	14		12.4
01 h =	15	7.9	
010 h =	16	1.6	
	17	6.9	11.9
		6.6	
03 h =	18		9.3
h	19	7.3	12.6
h	20	1.0	
h	21		11.8
011 h =	22		12.6
034 h =	23		9.4
h	24		10.5
	25	7.2	
		6.9	
	26	7.0	

Wednesday May 22, 1918.

Scale R Cat. 4° Square C 11 11+15 Blue-
Mc9298

		SC.1	SC.2
	27	7.8 7.5	
	28	7.4 6.8	
v	29		11.8
	30	7.7 7.4	
	31	7.8 7.5	
v	32		11.6
v	33		11.8
v	34		12.4
v	35		9.7
v sup.	g 36		11.6
v	37		12.1
v	38		10.6
v	39		11.8
v	40		11.6
v	41		12.6
v	42		13.0
	43	7.3 7.0	
v	44		12.8
	45	7.7 7.4	
v	46		12.5
v	47		12.1
v	48		11.2
	49	7.7 7.4	
v	50		12.3
v	51		10.7
v	52		10.1

Wednesday May 22, 1918.

Scale R Cat 4° Square C11-
mc 9298

	sc.1	sc.2
h 53		12.2
h 54		10.4
h 55		12.1
h 56		12.2
	7.2	
57	6.9	
58	7.8	
	7.5	
h 59		12.2
h 60		9.7
h 61		10.7
h 62		10.7
all { h 63	8.8	
	8.5	
h 64		10.4
h 65		10.2
	6.7	
66	6.4	
h 67		12.5
		12.2
h 68		12.8
h 69		12.89
	8.8	
h 70	8.5	
h 71		12.5
	7.2	
72	6.9	
h 73		10.7
h 74		11.9
h 75		11.9
h 76		10.3
h 77		11.5
	7.1	
78	6.8	

Cat. 4° Square. C11
mc 9298

pc.1 pc.2

	✓	79	8.3	12.8
	✓	80	8.0	
	✓	81		12.4
	✓	82		10.5
	✓	83		11.8
04 =	✓	84		11.8
		85	7.6 7.3	
	✓	86		10.4
05 =	✓	87		10.2
08 =	✓	88		10.8
013 =		89	6.7 6.4	
	✓	90		11.7
		91	7.2 6.9	
		92	7.1 6.8	
	✓	93		12.4
		94	6.8 6.5	
		95	7.7 7.4	
	✓	96		11.8
	✓	97		11.6
	✓	98		10.4
	✓	99		12.2
	✓	100		12.6
		101	7.9 7.6	
	✓	102		12.1
07 =	✓	103		10.7
014 =		104	7.1 6.8	

C11

Mc 9298-

	SC.1	SC.2
	7.2	
105	6.9	
106	6.9	
	6.6	
h 107		12.4
h 108		10.4
02. h 109	8.7	
	8.4	
h 110		11.7
h 111		11.3
h 112		12.6
h 113		12.2
h 114		12.4
h 115		12.5
h 116		11.7
	6.7	
117	6.4	
118	7.3	
	7.0	
h 119		11.7
h 120		12.4
h 121		12.1
h 122		12.4
h 123		11.8
h 124		12.6
h 125		11.6
h 126		11.3
h 127		12.0
h 128		11.7
h 129		11.8
h 130		11.6

mcg 298

C 11

	sc. 1	sc. 2
✓ 131		10.7
✓ 132		11.5
✓ 133		11.8
✓ 134		12.2
✓ 135		11.8
✓ 136		12.0
✓ 137		12.5
✓ 138		12.5
✓ 139		13.0
✓ 140		10.5
✓ 141		12.4
✓ 142		13.1
✓ 143		12.5
✓ 144		10.6
145	7.0 6.7	
✓ 146		10.6
✓ 147		11.6
148	7.9 7.6	
149	7.0 6.7	
✓ 150		12.3
✓ 151		12.4
✓ 152		12.6
✓ 153		10.7
154	7.7 7.4	
155	7.7 7.4	
156	6.8 6.5	

C 11.

mc 9298

sc.1 sc.2

157	7.5	
158	12	
159	7.1	
	6.8	
	7.0	
160	6.1	

h	161	12.8
	7.0	
	162	6.1

h	163	11.4
---	-----	------

h	164	12.8
	7.9	
	165	1.6
	7.1	
	166	6.8

	167	8.3
201	168	8.0
202	169	10.0
203	170	10.6
204	171	10.0
205	172	10.1
206	173	8.9
		8.6

207	7.5	9.8
208	1.2	
	8.1	
209	7.8	

no stars	210	—
		8.8
	211	8.5
		8.9
	212	8.6
		8.1
	213	7.8
		8.0
	214	7.7
		8.1
	215	7.8

Scale R

Cat. 4° Sq. 4° square.

C11

sc.1 sc.2

216 8.9
8.6217 9.0
8.7

218 10.1

219 9.6

220 8.7
8.4

221 9.4

222 7.7
7.4223 8.8
8.5224 8.9
8.6

225 10.0

226 8.9
8.6

h 227 12.8

228 6.8
6.5229 8.5
8.2230 7.9
7.6231 8.8
8.5232 8.7
8.4

233 9.8

234 7.9
7.6

235 9.9

236 9.0
8.7237 7.9
7.6238 7.9
7.6

239 9.8

240 9.8

8.7
8.4?
8dlh. H. comp. 241
sup partly cannot

C11.

mc9298

ac.1 ac.2

242 89
86243 90.4
86.4244 91
88245 89
86246 88
85247 88
85248 83
80249 85
82

no star 250

251 87
86

252 88 9.5

253 85
91

254 88

255 89
86

256 82 9.4

257 89

258 92
89259 88
85260 89
86261 78
1.5262 82
79

263 79 9.4

264 87
84265 84
81

266 89 10.3

267 86

C11

Mc9298

sc1 sc2

268 defect

269 defect 9.1

270 7.7
8.3 7.4

271 8.0

272 9.1

273 8.1 10.2

274 7.8

275 9.1
8.8

276 8.6

277 8.3

278 8.7

279 8.4

280 8.1

f 279 12.8

281 7.8

282 8.9

283 8.6

284 9.2

285 8.9

f 284 12.8

286 7.5

287 7.2

288 6.8

f 287 12.8

289 6.5

290 8.9

291 8.6

292 8.9

016= 290 7.9

291 7.6

292 8.8

293 8.5

294 8.7

295 8.4

C11-

mc 9298

sc.1 sc.2

294 8.9
 295 8.6
 296 8.1
 7.8
 7.5

297 9.6

298 8.6
 8.3
 7.9
 299 7.6
 8.8

300 8.2
 7.9

301 7.6
 8.0

302 7.7
 7.7

303 7.4

304 9.6

305 9.2
 8.9

306 8.1
 7.8

307 7.8
 7.5

308 8.7
 8.4

mostar 309 —

310 9.1
 8.8

311 8.7
 8.4

312 8.9
 8.6

313 8.3
 8.0

314 7.1
 6.8

315 8.9
 8.6

316 9.6

317 9.2
 8.9

318 8.0
 7.7

319 8.9
 8.6

Friday May 24, 1918.

Scale R
125

Catalogue 4° Square

C11- 21+15

Mc 7753
9298

PC

	sc. 1	sc. 2	
1	B		
2			
3			
4			
5			
6			
7			
8	B		
9	5.9	6.10 22	6.3
10	5.6		6.0
11	6.2	6.15 01	6.1
12	5.9		5.8
13	6.7	6.65 10	6.6
14	6.4		6.3
15	6.8	6.95 21	7.1
16	6.5		6.8
17	6.6	6.60 00	6.6
18	6.3		6.3
19	6.8	6.80 00	6.8
20	6.5		6.5
21	7.7	7.65 10	7.6
22	7.4		7.3
23	7.8	7.80 00	7.8
24	7.5		7.5
25	8.2	8.25 01	8.3
26	7.9		8.0
27	8.2	8.60 11	8.7
28	8.4		8.4
29	8.7	8.75 10	8.8
30	8.9		8.5
31	8.6	8.90 00	8.6
32		9.5 9.65 12	9.8
33			
34		9.7 9.80 11	9.9
35		9.6 9.50 11	9.4

sc. 1	sc. 2	sc. 1	sc. 2
8.4		8.1	
8.1	8.25 21	7.8	
7.9		7.8	
7.6	7.85 10	7.5	
7.4		7.4	
7.3	8.70 00	8.4	
9.39 0	9.40 11	9.5	
	9.6 9.60 00	9.6	

10.1	10.15 10	10.2
10.39	10.25 10	10.2
10.8	10.80 00	10.8
11.1	10.95 12	10.8
11.6	11.50 11	11.4

12.2	12.15 01	12.1
12.3	12.25 10	12.2
12.4	12.40 00	12.4
12.6?	12.60 00	12.6?
13.2	13.15 01	13.1
13.4	13.35 01	13.3
14.0	14.40 00	14.0?

Friday May 24, 1918

Scale R Catalogue 4° Square. C11 21+15
mc 9298

	sc.1	sc.2	sc.1	sc.2
24	10.4	10.50	10.6	
25	10.4		10.6	
26	11.3		11.4	
27	11.1		11.1	
28	11.4		11.2	
29	11.6		11.8	
30	12.2		12.2	
31	12.4		12.5	
32	12.3		12.5	
33	13.2		13.3	
34	q		q	
35	13.75 q		13.7 q	

	sc.1	sc.2
17a	8.4	8.3
17b	8.3	8.3
29b		12.1
		12.2

Friday of May 24, 1918.

Scale R

Cat 4° Square.

011

21 + 15

Mc9298.

Sc. 1 Sc. 2

	g	h
1	g	82
2	84.5	80.2
3	88.5	87
4	90	86
5	98	98.00
6	96	96.50
7	104	104.00
8	106	10.6
9	11.1	11.15 L0
10	11.4	11.40 00
11	12.2	12.20 00
12	12.1	12.15 L0
13	11.8	11.85 01
14	12.2	12.25 01
15	nearby ref.	12.6
16	13.3	13.25 10
17	g	13.4
17a	13.5?	g
17b	13.4	13.45 01
18	g	13.4
19	g	g
20	g	g

3:55

Friday May 24, 1918.

Scale R

Catalogue 4° Square.

C11 21+15

mc 9298

sc. 1 sc. 2

p 320 ~~8.7~~ 130

321 7.6

322 8.3

323 8.0

324 8.9

325 8.6

326 8.3

p 326 130

327 8.2

328 7.9

329 7.8

330 1.5

331 7.7

332 7.4

333 7.8

334 7.5

335 8.8

336 8.5

337 7.2

338 6.9

339 8.9

340 8.6

no star 335 -

336 7.6

337 7.3

338 10.8

339 8.3

340 8.0

341 9.2

342 8.9

343 7.1

344 6.8

345 12.6

346 9.6

347 8.8

348 8.5

349 7.8

350 7.5

351 8.7

352 8.4

	cc.1	cc.2
	7.9	
346	7.6	
	8.3	
347	8.0	
	7.7	
348	7.6	
	9.1	
349	8.8	
	9.2	
350	8.9	
	8.7	
351	8.6	
	8.0	
352	7.7	
	8.3	
353	8.0	
	9.1	
354	8.8	
	8.7	
355	8.4	
	8.7	
356	8.4	
	8.2	
357	7.9	
	8.7	
358	8.6	
		9.8
359	8.7	
	8.4	
360		
		9.5
361		
	7.9	
362	7.6	
	7.6	
363	7.3	
	7.2	
364	8.9	
	7.3	
365	7.0	
	8.2	
366	7.9	
	8.2	
367	7.9	
		9.6
368		
	7.7	
369	7.4	
	9.1	
370	8.8	
	9.1	
371	8.8	

mc9298

sc.1 sc.2

372 8.0
7.7373 7.8
7.5374 7.8
9.4375 7.8
7.5376 8.7
8.4377 8.7
8.4378 7.3
7.0379 7.6
7.3380 8.7
8.4381 8.0
7.7slat parity } 382 8.9
242 or im. form? 8.6?383 7.9
7.6384 8.3
8.0385 8.9
8.6386 7.9
7.6387 7.8
7.5388 8.5
8.5389 8.2
7.9390 8.3
8.0391 8.0
7.7392 8.0
7.6393 8.0
7.4394 8.0
7.8395 8.1
8.0396 7.8
7.5397 8.0
7.7

398 ^{SC.1} 87 2C
 399 84
 400 76
 401 13
 402 77
 403 74
 404 89
 405 86
 406 83
 407 80
 408 79
 409 76
 410 87
 411 84
 412 79
 413 76
 414 72
 415 89
 416 89
 417 86
 418 88
 419 85
 420 78
 421 75
 422 84
 423 80

2C

9.5

9.4

10.0

(data nearly sup.)
 n f

	Ac.1	Ac.2
	77	
424	74	
425	74	13.4
		9.6
426	8.1	
	7.8	
427	8.1	
	7.8	
428	8.6	
	7.7	
429		10.3
	8.0	
430	7.7	
	7.9	
431	7.6	
	8.8	
432	8.5	
	7.3	
433	7.0	
434	8.3	13.3
	9.0	
435	9.0	
	8.7	
436	8.4	
	8.7	
437	9.3	
	9.0	
438		9.9
439		10.0
	8.7	
440	8.4	
441		9.4
	7.8	
442	7.5	
	7.7	
443	7.4	
444		9.7
445		10.2
	9.2	
446	8.9	
	8.3	
447	8.0	
	7.9	
448	7.6	
	8.3	
449	8.0	

	sc.1	sc.2
450	8.7	9.6
451	8.4	
	8.6	
452	8.3	
453		10.4
	9.0	
454	8.1	
	8.8	
455	8.5	
	9.1	
456	8.8	
	7.7	
457	7.6	
	7.7	
458	7.4	
	8.1	
459	7.8	
	8.3	
460	8.0	
461		9.8
	9.1	
462	8.8	
	8.7	
463	8.6	
	8.6	
464	8.3	
	8.3	
465	8.0	
	9.1	
466	8.8	
	7.7	
467	7.4	
467.2	7.7	
468	7.4	
	8.9	
469	8.6	
	8.7	
470	8.4	
	8.7	
471	8.4	
	9.2	
472	8.9	
	8.5	
473	8.2	
	9.0	
474	8.7	
475		9.1

	sc.1	sc.2
	89	
476	86	
477	88	
	85	
478	78	
	75	
	80	
479	77	
	80	
480	77	
	96	
481	87	
✓ 482	80	130
483	77	
	83	
484	80	
	87	
485	84	
	81	
486	78	
487		95
488		94
	86	
489	83	
490		94
	88	
491	85	
	76	
492	73	
	86	
493	83	
	72	
494	69	
495		92
	86	
496	83	
	81	
497	78	
✓ 498	77	121
499	76	
	93	
500	90	
501	78	

502	7.4
503	7.6
504	7.5
505	7.6
506	8.8
507	7.6
508	9.0
509	defect.
510	7.8
511	7.5
512	8.5
513	8.6
514	7.3
515	7.4
516	6.8
517	7.4
518	7.6
519	8.5 ^{8.6}
520	7.1
521	7.4
522	8.1
523	8.3
524	9.6
525	8.5
526	7.8
527	7.3

mc9298

m1 m2

528	7.0
529	8.4
530	6.9
531	6.7
532	7.6
533	7.4
534	8.0
535	8.6
536	7.4
537	8.6
538	7.3g
539	6.8
540	7.8
541	8.0
542	7.4
543	7.4
544	7.3
545	7.8
546	7.4?g

Thursday June 13, 1918

Scale R

1.55

Cat. 4° Squaw.

mc 7552.

191 - Blue.

PC.

sc.1 sc.2

1	.	.
2	.	.
3	.	.
4	.	.
5	.	.
6	.	.
7	.	.
8	.	.
9	5.6	.
10	B.	.
11	6.4	6.5
12	6.5	6.4
13	6.4	6.6
14	7.1	7.1
15	7.3 7.4	7.3

we unit-

16	8.6	B.	7.5
16 a	8.2	8.1	7.8
17	8.4	8.6	8.3

18	8.7 ⁸⁸	9.2 ⁹³	9.4
----	-------------------	-------------------	-----

19	9.4	9.4
----	-----	-----

20	9.8 ⁵	9.0	9.5
----	------------------	-----	-----

21	9.6	9.5
----	-----	-----

22	10.2	10.1
----	------	------

23	10.3	10.4
----	------	------

24	10.5	10.5
----	------	------

25	10.6	10.6
----	------	------

26	10.9	11.1	11.2
----	------	------	------

sc.1 sc.2 sc.2

9.6	9.8
10.1	10.4
10.3	10.3
10.5	10.5
10.6	10.5
10.8	10.8
10.9	10.8
11.1	11.2
11.3	11.4
11.4	11.8 11.6
12.4 ⁴	12.3
12.3	12.2
12.4	12.4
12.7 ⁷	12.8
12.8	13.1
13.4	13.3
9	13.6 ⁷⁸
5.	5.

PC. not as good as go h

Thursday June 13, 1918

Scale R Cat. 4° Square D1 Blue
mc 7552

	sc. 2	sc. 2
27	11.6 ^{11.2}	11.4
28	11.6	11.7
29	11.8	11.7
30	12.0	11.9
31	12.1	12.2
32	12.6	12.7
33	12.7	12.7
34	12.6	12.4
35	13.3	13.3
36	13.4	13.4
37	13.6 ⁹	13.6 ⁹
38	14.4 ⁹	14.4
39	ns.	ns.

Weather unsettled during part of the measures.

Thursday June 13, 1918.

Scale R

Cat. 4° Square 291 Blue.
mc7552 Diff. Im.

g

h

sc.1 sc.2

sc.1 sc.2

near edge

1 8.59

8.4

2 g 9.1?

3 9.6

4 10.1

10.3 9.8

5 10.0

9.6

6 10.3

10.4

7 10.3

10.2

8 10.7

10.7

9 11.1

11.1

10 11.1

11.1

11 11.9

11.8

12 12.2 g

12.3

13 12.2

12.2

14 12.5

12.4

15 12.6

12.6

16 12.7

12.4

16a 12.8 12.8

13.3 13.1

17 13.4

13.4

very poor.

18 g

13.4

19 13.5

g

20 f.

f. + g

21

22

23

405

Thursday, June 13, 1918.

Scale R Catalogue 4° Square. 291 -
mc 7552

	sc. 1	sc. 2	
h 1		11.7	
h 2		12.1	
h 3		10.8	
h 4		11.9	
h 5	86		
h 6		11.4	
03 = h 7		11.6	
h 8		12.4	
h 9		11.6?	close dbl. ft comp q, & nearly sup on bright comp
06 = h 10		10.8	
02 = h 11		10.3	
09 = h 12		11.5	
h 13		11.9	
g 14		12.1	
04 = h 15		10.4	
h 16		12.4	
g 16		11.7	
h 17		11.6	
h 18		10.9	
h 19		13.1	
20	7.9		
21	7.6		
016 = 22	7.9		
23	7.6		
24	7.7		
h 25		12.6	
26	6.9		
g 26		12.3	

Thursday June 13, 1918.

Scale R

Cat. 4°

Square

21

mc 75521

20.1 20.2

h 27 13.1

g 28 7.4 12.6

h 29 11.6

h 30 10.0

close dbl. sup on 31 ..
or another

32 7.5

h 33 12.6

h 34 12.8

h 35 11.3

h 36 12.1 12.3

h 37 11.3

h 38 11.5

08 = h 39 11.1

h 40 10.6

h 41 9.4

42 7.4

h 43 12.1

011 = h 44 12.3

013 = g 45 12.1

05 = h 46 10.5

03 = h 47 10.2

h 48 12.3

101 9.5

102 8.0

103 8.4

Thursday June 8, 1918.

Scale B Cat. 4° square
mc7552

201 Blue

sc1 sc2

104	99
105	96
106	99
107	94
108	97
109	96
110	103
111	8.4
112	10.3
113	94
114	99
115	94
116	8.4
117	10.0
118	97
119	
120	96
121	7.5
122	10.4
123	9.3
124	86
125	9.2
126	7.2
127	8.5
128	8.1
129	86

Thursday June 13, 1918.

Scale R Cat. 4° Square D1 Blue.
mc 7552

	sc.1	sc.2
130		9.2
131		9.6
132	8.7	
133	8.8	
134		9.7
135		10.4
136	8.1	
137		9.5
138	8.8	
139	8.4	
140		9.7
141	8.3	
142	8.6	
143	8.8	
144	8.3	
145	7.8	
146		9.5
147	8.5	
148		10.4
149		9.6
150	7.6	
151	8.8	
152		9.5
153		9.9
154	9.0	
155		9.7

Thursday June 13, 1918.

Scale R Cat. 4° Square D1
mc 7552

sc.1 sc.2

h 156 12.7

157 7.9

158 8.4

159 8.4

160 7.8

161 9.4

162 9.4

163 9.1

164 8.5

165 7.6

h 166 12.3

167 8.4

168 9.9

169 8.9

170 9.7

171 8.5

172 10.2

173 10.1

174 9.4

175 7.9

h 176 12.4

177 7.8

178 9.3

179 9.5

180 7.6

181 8.5

ft star nearly sup. prec.

Thursday June 13, 1918

Scale R

Cat 40

Square

D1-

mc7552

see

dbl. { 182 9.9
 183 9.4
 184 8.5 10.4

185 7.9

186 7.3

187 7.9

188 8.1

189 8.5

190 8.5

191 9.3

192 7.8

193 8.8

194 9.6

195 8.6

196 8.4

dbl. { 197 8.8
 198 9.3
 199 9.4

200 8.4

201 7.9

202 7.9

203 8.5

204 7.8

205 7.5

206 7.7

207 8.1

Thursday June 13, 1918.

Scale R

Cat. 4° Square
me 7552

D1-

	cc.1	cc.2
208	76	
209	84	
210		9.5
211	90	95
h 212		13.4
h 213		13.3
214	74	
215	80	
216	83	
217	90	
218	85	
219	90	
220	86	
221	84	
222	68	
223	90	
224		94
225	87	
226	80	
227	82	
228	81	
229	82	
230	78	
231	84	
h 232		13.2
233		97
234	89	

Friday July 5, 1918.

Scale R

10 10

Catalogue 4° Square.

mc6756.

sup on 6756.

A1

55

YELLOW

Yellow and plate.

B.C.

Ref Seq.

sc1 sc2

sc1 sc2 sc2

1 234 6.3

13.1 13.3

2 235

12.9 13.0

3 236

11.8 12.0

4 237

12.4 12.5

4a 238 6.6 B 6.5

13.7? 13.7? ft.

4b 239 B B B

12.6 12.5

5 240 8.6^{8.6} 9.18^{8.6} 8.6

ns. ns.

6 241 8.3 8.6 8.4

7 242 8.4 8.4 8.4

8 8.3 8.4 7.8 8.2

9 8.3 8.4 8.5 8.5

9a 7.5 ~~8.4~~ ns. 7.5 ~~8.5~~

9b 10.6 10.6

10 10.5 10.5

11 10.2 10.3

12 11.3 11.4

13 10.1 10.0

14 12.0 12.0

15 11.8 12.0

16 10.4 10.4

17 12.7 12.6

18 13.1 13.1? q

19 13.1 12.7

19a 13.3 13.1

20 13.4 13.4

21 13.4⁶? 7.

22 13.1 q 13.3

Friday July 5, 1918.

Scale R

Cat. 4° Squares.

Q₁-

YELLOW

mc 9241

scr

23 g

24 ns

25 ns.

26 ns?

27

28

7a 8.8⁹⁰ 9.3⁹⁴ 9.0

Friday July 5, 1918.

Scale R

Cat. 4° Square.

YELLOW

mc 9241

g

h

sc 1

sc 2

sc 1

sc 2

1	13.2	12.8
2	13.1 12.8	12.6
3	11.7	11.6
4	12.4	12.2
4a	13.4	13.4
4b	12.1	12.1
5	ns	ns.
6	ns	ns.
7	ns.	
8		
9		
9a		
9b		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

1245

Friday July 5, 1918.

Scale R. Cat. 4° Squares.

A1 ~~Blue~~ YELLOW

Mc 9241

sc.1 sc.2

1 8.8

2 10.7

3 11.3

4 8.4

5 6.8

6 7.6

7 8.8

8 10.6

9 10.6

10 9.8

11 11.8

12 7.5

13 9.6

14 10.4

15 10.6

05: 16 8.6

17 9.5

18 9.4

19 11.4

20 8.3

21 7.5

012 fr 22 13.2

23 7.1

24 10.6

25 10.4

26 11.8

Friday July 5, 1918.

Scale R

Cat. 400

Square.

A1 YELLOW

mc 9241

sc.1 sc.2

	27	7.2
08 =	28	8.1
012 =	29	11.4
	30a	11.7
	30b	12.3
04 =	31	12.5
03 =	32	11.8
	33	8.6
34		12.4
	35	10.8
	36	11.3
	37	11.3
	38	10.7
	39	11.8
	40	7.8
	41	8.8
	42	9.7
	43	11.4
04b =	44	12.6
	45	11.7
	46	12.5
	47	11.7
	48	10.4
	49	6.5
	50	10.8
	51	10.7
	52	10.4

Friday July 5, 1918.

Scale R Cat. 4° Square. A1 YELLOW
mc 9241

sc. 2

53 10.6

54 11.1

55 9.6

56 11.8

57 11.5

58 11.8

59 11.4

60 9.1

61 11.8

62 11.6

Outside 4° sq. 63 9.5

" " 64 11.7

65 9.5

66 6.4

67 8.4

68 6.8

69 10.0

70 9.5

71 10.5

72 8.4

o 9 h. 73 10.6

74 11.1

75 11.5

76 10.2

77 10.6

78 10.4

Friday July 5, 1918.

Scale R

Cat 4°

Square

a₁

YELLOW

mc 9241

ac.1 ac.2

79 8.8

80 10.8

06 = 81 8.4

82 11.4

83

09 = 84 8.2

016 = 85 10.4

86 12.2

014 = 87 12.1

013 = 88 10.1

02 = 89 13.1

07 = 90 8.4

91a	12.3
91b	12.6
91c	13.1
92	10.8

defect around star	93	10.5?
in haze?	94	10.8

07a = 95 8.9

96 11.6

97 7.6

98 10.8

99 6.9

100 11.4

101 10.9

102 9.6

103 9.8

104 8.5

Friday July 5, 1918.

Scale 10 Cat. 4° Square.
mc 9241

a1. YELLOW

pc.1 sc.2

105 12.0

106 10.1

107 9.8

108 12.1

109 10.5

110 10.6

111 11.3

Outside 4° sq 112 7.3

" 113 12.2

" 114 11.6

" 115 11.4

" 116 7.6

" 117 11.4

fu 118 11.7

119 11.4

120 11.7

121 11.6

122 10.6

123 9.5

124 7.3

125 9.6

126 10.2

127 11.1

128 10.4

129 10.4

fu 130 12.4

Friday July 5, 1918.

Scale R

Cat. 4°

Square.

a1. YELLOW

mc 9241

sc. 1 sc. 2

131 8.5

132 10.7

133 11.7

134 10.6

135 8.8

136 7.4 ~~10.4~~

137 10.4

138 10.9

139 8.3

140 11.9

o10 = 141 10.6

142 10.6

o4a = 143 6.6

144 11.1

145 6.8

146 7.8

147 10.3

o9a = 148 7.5

149 8.5

150 10.4

151 10.7

152 9.8

153 8.7

154 9.8

155 9.8

156 12.1

Friday July 5, 1918.

Scale R Cat. 4° Square. a1. YELLOW
mc 9241

sc. 1 sc. 2

157	11.4
158 7.2	
159	9.6
160	10.7
161	11.8
162 8.0	
163	10.7
164	9.7
165	10.7
166 7.4	
167	11.4
168	11.7
169	11.9
170	11.6
171 11.2	10.8
172	
173 6.4	
174	9.9
175	10.6
176	11.3
177	11.6
178	9.7
179 8.5	
180 7.5	
181	11.7
182	9.4 g
h 183	11.7

Friday, July 5, 1918.

Scale R

Catalogue 4° Square.

a1- YELLOW

mc 9241

pc 1 pc 2

184 9.7

185 11.6

186 8.8

187 10.7

188 11.2

189 11.9

var. X Canal 190 12.1

191 11.6

192 9.2

fr 193 12.4

194 11.1

195a 195 12.3

195b 196 13.4

196 197 12.3

198

199

200

201 12.6

202 12.5

203 11.9

204 11.9

205 12.4

206 12.8

207 12.8

208 12.7

209 13.1

Friday July 5, 1918.

Scale R Cat. 4° Square. A1- YELLOW
Mc 9241.

	cc 1	cc 2
210		12.5
211		12.6
212		11.7
213		10.8
214		11.6
215		11.8
216		11.8
217		12.6g
218		11.8
219		11.4
220		12.4
221		12.1
222		12.1
223		12.5 ⁴
224		11.5
225		12.2
226		11.6
227		11.8
228		12.1
229		12.5
230		12.4
231		12.3
232		12.4
233		12.6
234		12.5
235		14.0?

Friday July 5, 1918.

Scale R

Cat. 4° Square

a1 - YELLOW

mc 9241

	sc.1	sc.2
236	12.5	
237	12.8	
238	12.9	
239	12.6	
240	12.6	
241	12.7	
242	13.1	12.9
243	12.9	
244	12.8	
245	12.2	
246	12.6	
247	12.4	
248	12.8	
249	12.8	
250	12.2	
251	12.6	
252	12.7	
253	scratched. streaked.	
254	12.7	
255	13.2	
256	13.2	
257	12.8	
258	12.6	
259	12.8 g	
260	12.7	
261	12.3	

Friday July 5, 1918.

Scale R Cat. 4° Square.
mc9241

a1- YELLOW

sc.1 sc.2

262	12.7
263	12.6
264	defective
265	10.6
266	13.1
267	11.2
268	12.4
269	12.5
270	12.2
271	12.1
272	12.5 12.4
273	12.3
274	12.4
275	12.1
276	12.6
277	12.6
278	12.4
279	12.8
280	12.6
281	12.2
282	12.6
283	12.5
284	12.1
285	11.5
286	11.4
287	12.4

Friday July 5, 1918

Scale R

Cat. 40
mc9241

Sq.

A1. YELLOW

	pc.1	pc.2
288		11.6
289		13.1
290		12.5
291		12.2
292		11.1
293		12.5
294		12.6
295		12.1
296		12.4
297		12.4
298		12.8
299		12.0
300		12.6
301		12.1
302		12.6
303		11.8
304		12.5
305		12.7
306		12.7
307		11.7
308		11.8
309		12.4
310		12.1
311		12.1
312		11.6
313		12.4

Saturday
Friday July 5, 1918⁶

Scale R Cat. 4° Square.
850 mc 9241 Cont.

Al- YELLOW

Ref Seq. sc.1 sc.2 after
420

PC.

sc. sc.2 sc.2

01	B		B.	
2	B		B	
3	B.		B	
4	5.1?		B	
4a	6.5		6.6	
4b	B		B.	
5	7.86 8.6	9.289	8.6	
6	8.4	8.4	8.1	
7	8.6	8.6		
7a	8.1	9.4	9.5-9	
8	8.1	8.3	8.2	
9	8.3	8.4	8.3	
10		10.6	10.5	
11		10.3	10.4	
12		11.4	11.5	
13		10.1	10.0	
14		11.9	12.0	
15		11.8	12.1	
16		10.5	10.6	
17		12.7	12.6	
18		12.9	13.1	
19		12.8	12.9	
19a		13.2	13.1	
20		13.4	13.4	
21		13.5	13.4	
22		13.4	13.3	
23		13.5	13.6	
23a	7.6	10.7	10.5	

Saturday July 6, 1918.

Scale R

Cat. 4. Square.

a₁ YELLOW

mc9241

Diff. Imm.

g h

	sc ₁	sc ₂	sc ₂
1		130	13.1
2		126	12.8
3		11.8	11.8
4		12.4	12.4
4a		13.4	13.5g
4b		12.1	12.1
5		ns	ns
6		ns	ns
7			
8			
9			
10			
11			
12			
13			
14			
15			

10.20

Saturday July 6, 1918.

Scale R.

Cat. 4° Square.

a1 - YELLOW

mc 9241.

	sc.1	sc.2
314		12.6
315		12.6
316		12.2
317		12.79
318		12.5
319		13.0
320		11.5
321		12.5
322		11.9
323		13.4
324		12.7
325		12.2
326		13.0
327		13.1
328		12.2
329		12.7
330		12.7
331		12.3
332		13.4?9
333		13.4
334		12.5
335		13.1
336		12.4
337		13.4
338		13.2
339		12.3

Saturday July 6, 1918.

Scale R Cat. 4° Square.

Air - YELLOW

mc 9241

pc. 1 sec.

340	11.8
341	12.7
342	13.2
343	12.5
344	12.3
345	11.8
346	12.4
347	13.3
348	12.7
349	13.1
350	11.7
351	11.1
352	12.1
353	12.3
354	11.4
355	12.3
356	12.4
357	12.2
358	12.6
359	12.6
360	11.7
361	12.6
362	11.5
363	12.8
364	11.4
365	12.6

Saturday July 6, 1918.

Scale R Cat. 4° Square.

Q1 - YELLOW

mc 9241

pc.1 pc.2

366	12.4
367	11.9
368	13.1
369	12.5
370	12.6
371	12.2
371a	13.0
372	12.7
373	12.8
374	12.5
375	12.4
376	12.4
377	11.4
378	12.4
379	12.0
380	13.1
381	12.8
382	12.7
383	12.4
384	13.2
385	12.2
386	11.4
387	12.2
388	12.6
389	13.2
390	11.8
391	12.5

Saturday July 6, 1918.

Scale R. Cat. $\cdot 4^{\circ}$ Square.
mc9241

YELLOW

pc.1	pc.2
392	12.2
393	10.5
394	12.0
395	12.1
396	12.6
397	12.1
398	12.5
399	12.2
400	10.8
401	12.5
402	12.5
403	13.1
404	12.6
405	12.1
406	12.2
407	12.6
408	12.6
409	12.4
410	12.1
411	12.7
412	12.6
413	12.4
414	12.9
415	12.5
416	12.5
417	12.7
418	12.7

Saturday July 6, 1918.

Scale B Cat. 4° Square. a1 YELLOW
mc9241

	sc1	sc2
419		12.8
420		13.4

Tuesday July 9, 1918.

Scale R Cat. 4° Square a₁ Blue. 2nd Blue fol.

1130

mc 7616

P.C.

	pc.1	sc.2	pc.1	sc.2	Mean
1 B	8.5 ⁸⁷		8.4 ⁸⁷		8.7 ⁰⁰
2			8.5 ⁸⁸		8.8 ⁰⁰
3	8.4 ⁸⁷		8.4 ⁸⁷		8.7 ⁰⁰
4	8.7 ⁹⁰		8.6 ⁸⁹		8.9 ⁰¹
4a 5			9.5	9.4	9.45 ¹⁰
4b			9.6	9.9	9.75 ²¹
5			10.3	10.2	10.25 ¹⁰
6			10.5	10.5	10.5 ⁰⁰
7			10.3	10.2	10.25 ¹⁰
7a B.			12.2	12.4	12.30 ¹¹
8			10.3	10.4	10.35 ¹⁰
9			10.6	10.6	10.6 ⁰⁰
10			11.7	11.8	11.75 ¹⁰
11 B			11.7	11.6	11.65 ¹⁰
12 6.4 ⁶⁶⁹	B 6.9 ⁶⁶	6.9 ⁰⁰	12.2	12.3	12.25 ⁰¹
13 6.6 ⁶⁹	6.3 ⁶⁶	6.75 ²¹	12.2	12.2	12.20 ⁰⁰
14 7.3 ⁷⁶	7.4 ⁷⁷	7.65 ⁰¹	12.6	12.8	12.70 ¹¹
15 7.3 ⁷⁶	7.3 ⁷⁶	7.60 ⁰⁰	12.6 ^{12.70²¹}	12.8	12.8 ^{12.8}
16 7.5 ⁷⁸ B.	7.5 ⁷⁸	7.80 ⁰⁰	13.1	13.2	13.15 ²⁰
17 8.2 ⁸⁵ 8.30 ²²	8.3 ⁸⁶	8.45 ¹⁵	13.3	9	13.3 ⁰⁰
18 8.5 ⁸⁸ 8.75 ⁰¹	8.4 ⁸⁷	8.72 ⁰³	13.6	13.5	13.55 ⁰¹
19 8.6 ⁸⁹ 8.80 ¹¹	8.5 ⁸⁸	8.80 ⁰⁰	13.6 ⁹	13.47	13.50 ¹¹
19a 8.7 ⁹⁰ 9.05 ⁰¹	8.8 ⁹¹	9.08 ⁰³	13.6 ⁹	13.47	13.50 ¹¹
9a B.			10.8	10.4	10.60 ²²
9b B.			11.3	11.2	11.25 ¹⁰
20	9.7	9.7	9.70 ⁰⁰		

See P. 92

Tuesday July 9, 1918.

Scale R. Cat. 4° Square.

Al Blue.

mc 7616.

	scz	scz	mean.	
21	9.4	9.6	9.50	11
22	10.5	10.5	10.50	00
23	10.5	10.7	10.60	11
24	10 11.2	11.3	11.25	01
25	10.6	11.4	11.50	11
26	11.8	11.9	11.85	01
27a	12.4	12.4	12.40	00
28	12.8	12.8	12.80	00
29	13.2	13.2	13.20	00
27b	12.4 ^g	12.4 ^g	12.40 ^g	00 ^g
30	no star	.		
31	9 ₅	.		
32	f.	.		

20.01

20.11

Tuesday July 9, 1918.

Scale R

lat 4°

Square.

A, Blue.

mc 76.16

10 diff. 1 m.

g

h

sc. 1 sc. 2

sc. 1 sc. 2

1 8.4 8.7

2 8.3 8.6

3 7.5 7.9

4 8.1 8.4

q

4a q

4b 8.2 8.5

8.8
8.5 q 8.65 ± 2

5 9.4

6 10.3

7 10.3

7a 11.8

8 10.2

9 10.1

9a 10.5

9b 10.6

10 11.3

11 10.6

12 sup.

13 11.8

14 12.45 10

15 12.5 12.4

16 12.00 ± 1

17 11.9 12.1

18 12.6

19 12.7

20 13.1

21 13.1

22 13.5

23 13.5

24 13.5

25 13.5

26 13.5

27 13.5

28 13.5

Tuesday July 9, 1918.

Scale R. Cat. 4° square.
mc7616

A1 - Blue.

	pc 1	pc 2	Magn.
h 1	11.9	9.88	
h 2	11.4	9.46	
h 3	12.2	10.08	
h 4	10.8	9.04	
h 5	10.9	9.11	
h 6	11.1	9.26	
h 7	11.7	9.69	
h 8	12.7	10.52	
h 9	12.8	10.61	
h 10	11.8	9.76	
h 11	12.4	10.26	
h 12	11.0	9.19	
h 13	10.8	9.04	
h 14	12.5	10.34	
h 15	12.0	9.92	
05. h 16	10.2	8.58	
h 17	10.9	9.11	
h 18	11.1	9.26	
h 19	12.4	10.26	
h 20	11.7	9.69	
h 21	11.8	9.76	
01. h 22	8.588	11.4 9.50	
h 23	10.7	8.96	
h 24	12.5	10.34	
25	7.8 ⁸⁴	10.93	
h 26	13.0	10.80	

Tuesday July 8, 1918.

Scale R. Cat. 4° Square a1. Blue.
 Mc 7616.

	sc 1	sc 2	Magn.
h 27		11.4	9.46
h 28		10.3	8.66
012 = h 29		12.3	10.17
	30a 7.578		10.73
	30b 8.487		11.34
04 = h 31	8.790		11.53 7.64
03 = h 32	8.487		11.32 7.42
h 33		12.1	10.00
h 34	8.184		..
	35 7.578		10.73
h 36		12.3	10.17
	37 7.780		10.86
h 38		12.4	10.26
h 39		12.4	10.26
h 40		10.7	8.96
h 41		11.7	9.69
p.c. nearly sep. 42	6.366		9.812
h 43		12.4	10.26
04b = h 44		9.7	8.19
	45 7.578		10.73
	46 7.578		10.73
h 47		12.5	10.34
h 48		12.6	10.43
h 49		10.4	8.74
h 50		11.7	9.69
h 51		12.4	10.26
h 52		12.3	10.17

Tuesday July 8, 1918

Scale R

Cat 4⁺ Squarea₁ Blue.

mc 7616

	sc.1	sc.2	Magn.
h 53		13.2	11.00
h 54		12.3	10.17
h 55		11.4	9.46
h 56		12.5	10.34
57	7.2	7.5	10.51
h 58		12.4	10.26
h 59		12.6	10.43
h 60		10.7	8.96
h 61		12.6	10.43
h 62		12.5	10.34
h 63		12.8	10.61
h 64		12.7	10.52
h 65		10.6	8.90
h 66		10.2	8.58
h 67		10.5	8.82
h 68		10.8	9.04
h 69		12.6	10.43
h 70		11.2	9.33
h 71		11.8	9.76
h 72		12.2	10.08
og h 73		11.4	9.46
h 74		12.1	10.00
h 75		12.1	10.00
h 76		11.3	9.39
h 77		12.7	10.52
78	7.4	7.7	10.66

Tuesday July 8, 1918.

Scale R

Cat. 4° Square.

a1- Blue.

mc 7616

	pc. 1	pc. 2	Magn.
\sqrt{v} 79	10.6		8.90
\sqrt{v} 80	13.1		10.90
06 \sqrt{v} = 81	10.5		8.82
82	7.8 ⁸¹		10.93
011 = \sqrt{v} 83	11.8		9.76
09 = \sqrt{v} 84	10.6		8.90
016 = 85	7.5 ⁷⁸		10.73
86	7.4 ⁷⁷		10.66
014 = 87	7.0 ⁷³		10.36
013 = \sqrt{v} 88	12.4		10.26
02 = \sqrt{v} 89	8.4 ⁸⁷		11.34 7.42
07 = \sqrt{v} = 90	10.4		8.74
91	7.3 ⁷⁶		10.59
92	8.5 ⁸⁸		11.40
93	12.4		11.40 10.26
94	9.7		11.99
95	6.9 ⁷²		10.29
96	11.9		10.18
97	12.7		10.52
07a = \sqrt{v} 95	12.3		10.17
96	7.3 ⁷⁶		10.59
\sqrt{v} 97	12.0		9.92
\sqrt{v} 98	12.0		9.92
\sqrt{v} 99	9.9		8.35
\sqrt{v} 100	12.3		10.17
\sqrt{v} 101	12.1		10.00
\sqrt{v} 102	12.8		10.61
\sqrt{v} 103	11.3		9.39
\sqrt{v} 104	10.7		8.96

Tuesday July 8, 1918

Scale R Cat. 4° Square. a₁ Blue
mc 7616

	sc1	sc2	Magn.
✓ 105		12.4	10.26
✓ 106		11.6	9.60
✓ 107		13.1	10.90
✓ 108		12.5	10.34
✓ 109		12.5	10.34
✓ 110		11.9	9.88
✓ 111		12.2	10.08
✓ 112		11.5	9.53
✓ 113		12.6	10.43
✓ 114		12.4	10.26
✓ 115		12.2	10.08
✓ 116		11.2	9.33
✓ 117		12.0	9.92
✓ 118	83 ^{8.6}		9.33
✓ 119		12.3	10.17
✓ 120		12.8	10.61
121	77 ^{8.0}		10.86
✓ 122		11.7	9.69
✓ 123		12.4	10.26
✓ 124		10.6	8.90
✓ 125		12.4	10.26
✓ 126		12.3	10.17
127	75 ^{7.8}		10.73
✓ 128		12.4	10.26
129	75 ^{7.8}		10.73
✓ 130	68 ^{7.1}		... B

Tuesday July 8, 1918

Scale R

Cat. 4° Square.

Al Blue.

mc 7616

Magn.

sc.1 sc.2

✓	131	12.1	10.00
✓	132	12.9	10.71
✓	133	12.6	10.43
✓	134	12.4	10.26
✓	135	11.2	9.33
✓	136	10.5	8.82
	137	7.3 ^{7.6}	10.59
	138	7.4 ^{7.7}	10.66
✓	139	11.5	9.53
✓	140	12.6	10.43
010=	✓ 141	11.7	9.69
	142	7.0 ^{7.3}	10.36
04a=	✓ 143	9.3	7.88
	✓ 144	11.8	9.76
	✓ 145	10.5	8.82
	✓ 146	11.9	9.88
	✓ 147	12.1	10.00
09a=	✓ 148	10.9	9.11
	✓ 149	12.4	10.26
	150	7.4 ^{7.7}	10.66
✓	151	11.4	9.46
✓	152	11.3	9.39
✓	153	11.8	9.76
✓	154	10.9	9.11
✓	155	12.3	10.17
✓	156	12.5	10.34

Tuesday July 8, 1918.

Scale R Cat. 4° square. a₁ Blue.

mc 7616

pc 1 sec 2 mag.

pc	sec 2	mag.
157	12.3	10.17
158	10.7	8.96
159	12.2	10.08
160	76 ⁷⁹	10.80

pc	sec 2	mag.
161	12.5	10.34
162	11.8	9.76

pc	sec 2	mag.
163	73 ⁷⁶	10.59?
164	6.8 ⁷¹	10.20

pc	sec 2	mag.
165	12.1	10.00

pc	sec 2	mag.
166	9.4	7.96

pc	sec 2	mag.
167	12.0	9.92

pc	sec 2	mag.
168	- - 2.16	+0.44

pc	sec 2	mag.
169	12.8	10.61

pc	sec 2	mag.
170	7.7 ⁸⁰	10.86

pc	sec 2	mag.
171	7.8 ⁸¹	10.93

pc	sec 2	mag.
172	11.6	9.60

pc	sec 2	mag.
173	9.4	7.96

pc	sec 2	mag.
174	7.0 ⁷³	10.36

pc	sec 2	mag.
175	13.0	10.80

pc	sec 2	mag.
176	7.5 ⁷⁸	10.73

pc	sec 2	mag.
177	7.6 ⁷⁹	10.80

pc	sec 2	mag.
178	10.8	9.04

pc	sec 2	mag.
179	10.4	8.74

pc	sec 2	mag.
180	10.9	9.11

pc	sec 2	mag.
181	12.0	9.92

pc	sec 2	mag.
182	10.6	8.90

Sequenced meas.

pc	sec 2	mag.
111	11.7	-1.88
113	12.4	2.41
114	12.7	2.15
116	13.0	2.16

see special card sheet 2
omitted by mistake

Tuesday July ⁹ 8, 1918.Scale R Cat. 4° Square a₁ Blue.
mc 7616

	sc.1	sc.2	magn.
✓ 183	76 ⁷⁹		10.80
✓ 184		10.8	9.04
✓ 185		12.6	10.43
✓ 186		11.7	9.69
✓ 187		12.4	10.26
✓ 188		12.5 ²	10.08
✓ 189		12.8	10.61
Var. X Camel ✓ 190		11.3	9.39
✓ 191		12.9	10.71
✓ 192		12.7	10.52
✓ 193	89 ⁹²		7.80
194	78 ⁸¹		10.93
195	74 ⁷⁷		10.66
195 ²	85 ⁸⁸		11.40
196	74 ⁷⁷		10.66
201	83 ⁸⁶		11.28
202		9.8	12.04
203		9.6	11.92
204	74 ⁷⁷		10.66
205	80 ⁸³		11.08
206		9.8	12.04
207		9.5	11.86
208	84 ⁸⁷		11.34
209	84 ⁸⁷		11.34
210		9.7	11.99
211	83 ⁸⁶		11.28

Tuesday July 8, 1918.

Scale R Cat. 4° Sq. a₁ Blue.
mc 7616

	sc1	sc2	mag.
212		9.8	12.04
213	8.4	8.7	11.34
214	8.3 7.6	7.9	10.80
215	8.4	8.7	11.34
216	7.4	7.7	10.66
217	8.1	8.4	11.14
218	8.3	8.6	11.28
219	8.4	8.7	11.34
220	8.9	9.2	11.65
221	8.3	8.6	11.28
222	8.3	8.6	11.28
223	8.8	9.1	11.60
224	7.8	8.1	10.93
225	8.4	8.7	11.34
226	8.8	9.1	11.60
227	8.1	8.4	11.14
228	8.4	8.7	11.34
229	8.0	8.3	11.08
230	8.5	8.8	11.40
231	7.6	7.9	10.80
232	7.4	7.7	10.66
233	7.9	8.2	11.00
234		9.9	12.12
varies → 235		11.2	13.05
236	8.0	8.3	11.08
237	8.3	8.6	11.28

200

Wednesday July 10, 1918.

Scale R
1220Cat. 4° square
mc 7616 cont.

a1 Blue-

Bc.

	pc.1	pc.2		pc.1	pc.2	Mean.	from mean.
1	B.			84 ⁸⁷	84 ⁸⁷	8.70 ⁰⁰	8.70 8.70 ⁰⁰⁰⁰ +1.33
2				85 ⁸⁸	84 ⁸⁷	8.75 ⁰¹	8.8 8.78 ^{03 02} 1.33
3				84 ⁸⁷	84 ⁸⁷	8.70 ⁰⁰	8.70 8.70 ⁰⁰⁰⁰ 1.23
4				87 ⁹⁰	86 ⁸⁷	8.95 ⁰¹	8.95 8.95 ⁰⁰⁰⁰ 1.35
4a				94	95	9.45 ⁰¹	9.45 9.45 ⁰⁰⁰⁰ 1.53
4b				98	99	9.85 ⁰¹	9.75 9.80 ^{05 05} 1.62
5				10.2	10.4	10.30 ⁰¹	10.25 10.28 ^{03 02} 1.67
6				10.4	10.5	10.45 ⁰¹	10.50 10.48 ^{08 01} 1.72
7				10.4	10.4	10.40 ⁰⁰	10.25 10.32 ^{03 02} 1.53
7a				12.4	12.3	12.35 ⁰¹	12.30 12.32 ^{03 02} 1.64
8				10.4	10.6	10.50 ⁰¹	10.35 10.42 ^{08 01} 1.71
9				10.6	10.8	10.70 ⁰¹	10.60 10.65 ^{05 05} 2.04
10				11.7	11.7	11.70 ⁰⁰	11.75 11.72 ^{02 03} 1.96
11				11.7	11.7	11.70 ⁰⁰	11.65 11.68 ^{00 00} 2.22
mean. 12				12.3	12.3	12.35 ⁰¹	12.25 12.28 ^{01 01} 2.29
6.9				6.9	6.9	6.90 ⁰⁰	6.85 6.88 ^{01 01} 2.23
6.9				6.6	6.75	6.82 ^{08 01}	6.80 6.85 ^{01 01} 2.13
7.75 ⁰¹				7.4 ⁷¹	7.65	7.70 ^{05 05}	7.70 7.78 ^{03 04} 2.17
7.60 ⁰¹				7.4 ⁷¹	7.60	7.60 ^{00 00}	7.60 7.65 ^{02 03} 2.18
7.80 ^{00 00}				7.5 ⁷⁸	7.80	7.80 ^{00 00}	7.80 7.85 ^{02 03} 2.17
8.20 ⁰¹				8.0 ⁸³	8.1	8.45	8.32 8.30 ^{00 00} 2.17
8.72 ^{01 08}				8.5 ⁸⁸	8.72	8.72 ^{00 00}	8.72 8.75 ^{00 00} 2.18
8.75 ⁰²				8.6 ⁸⁹	8.6	8.80	8.78 ^{03 02} 2.12
9.4 ⁰²				9.4	9.70	9.55	9.55 ^{04 04} 2.05
9.00 ⁰¹				9.0	9.08	9.04	9.04 ^{04 04} 2.05

Wednesday July 9¹⁰ 1918.

Scale R

Cat. 4° Square.
mc 7616a₁ Blue.

	pc. 2	sc. 2	from mean.	Diff.
21	9.5 ⁵	9.5 950 ⁰⁰	9.50 9.50 ^{00 00}	+2.33
22	10.4	10.5 10.45 ⁰¹	10.50 10.48 ^{03 02}	1.92
23	10.6 ⁵	10.6 10.55 ¹⁰	10.60 10.58 ^{03 02}	2.04
24	11.1 ²	11.2 11.20 ⁰⁰	11.25 11.22 ^{02 03}	1.84
25	11.5	11.6 11.55 ¹⁰	11.50 11.52 ^{03 02}	1.86
26	11.9	12.0 11.95 ¹⁰	11.85 11.90 ^{05 05}	1.71
27	—	—	—	—
28	12.6	12.6 12.60 ⁰⁰	12.80 12.70 ^{10 10}	1.68
29	13.0	13.1 13.01 ⁰¹	13.20 13.10 ^{07 10}	1.82
30	—	—	—	—
31	±.	—	9	—
27a	12.4	12.4 ²	12.4 ²	1.63
27b	12.4	12.4 ²	12.40 ^{00 00}	1.72?

Wednesday July 10, 1918.

Sheet 3

Scale R

Cat. 4° Square.

Al. Blue.

mc 7616.

	g	h	mean	Diff.
	sc.1 sc.2	sc.1 sc.2		
	from p. 82.			
1	7.7 ⁸⁰	8.7	8.35 ^{±3}	-0.98
2	8.2 ⁸⁵	8.6	8.55 ^{±0}	+1.10 ^{1.08}
3	7.6 ^{7.9}	7.9	7.90 ⁰⁰	0.48 ⁵
4	8.1 ^{8.4}	8.4	8.40 ⁰⁰	0.80
4a	g	.	g	
4b	8.5 ^{8.8}	8.65	8.72 ^{08 07}	0.54
5	9.4	9.4	9.40 ⁰⁰	0.79
6	10.2	10.3	10.25 ⁰¹	1.49
7	10.3	10.3	10.30 ⁰⁰	1.51
7a	11.7	11.8	11.75 ^{±0}	..
8	10.1	10.2	10.15 ^{±0}	1.37
9	10.2	10.1	10.15 ⁰¹	1.21
9a	10.3	10.5	10.40 ^{±1}	1.30
10	11.1	11.3	11.20 ^{±1}	1.52
9b	10.8	10.6	10.70 ^{±1}	1.50
11	11.1	10.6	10.85 ³²	1.13
12	sup.	sup.	.	
13	11.9	11.8	11.85 ¹⁰	1.86
14	12.5	12.45	12.48 ^{02 03}	1.93
15	12.1	12.00	12.05 ^{05 05}	1.40
16	12.6	12.6	12.60 ⁰⁰	1.76
17	12.9	12.7	12.88 ¹¹	1.67
17a	11.7	.	11.7 a.	..
18	12.9	13.1	13.00 ^{±1}	1.63
19	13.2	13.1	13.15 ⁰¹	1.77
19a	13.3	13.5	13.40 ^{±1}	..
20		13.5	13.5 a.	1.66
21	13.5	g	13.5 a.	1.62
		ns.	.	

Wednesday July 10, 1918.

Scale R Cat. 4° Square. a₁ Blue.

mc 7616

mag.

rc1	rc2	
238	8.6 ⁸⁹	11.46
239	8.6 ⁸⁹	11.46
240	8.5 ⁸⁸	11.40
241	7.6 ⁷⁹	10.80
242	10.8	12.75
243	8.6 ⁸⁹	11.46
244	8.4 ⁸⁷	11.34
245	10.0	12.18
246	8.2 ⁸⁵	11.22
247	8.3 ⁸⁶	11.28
248	9.0 ⁹³	11.71
249	8.6 ⁸⁹	11.46
250	8.9 ⁹²	11.65
251	9.7	11.99
252	7.6 ⁷⁹	10.80
253	8.3 ⁸⁶	11.28
254	8.3 ⁸⁶	11.28
255	8.5 ⁸⁸	11.40
256	8.4 ⁸⁷	11.34
257	8.3 ⁸⁶	11.28
258	8.1 ⁸⁴	11.14
259	8.7 ⁹⁰	11.53
260	10.3	12.37
261	7.4 ⁷⁷	10.66
262	10.4	12.44
263	9.7	11.99

96

Wednesday July 10, 1918.

Scale R Cat. 4° Sq. a₁ Blue.

mc 7616

Magw.

	pc.1	pc.2	
264		9.6	11.92
265	7.3	7.6	10.59
266	8.5	8.8	11.40
h 267		12.8	10.61
268	7.5	7.8	10.73
269	8.8	9.1	11.60
270	8.5	8.8	11.40
h 271		12.6	10.43
272	8.0	8.3	11.08
273		9.5	11.86
274	7.5	7.8	10.73
275	7.7	8.0	10.86
276	7.6	7.9	10.80
277	8.3	8.6	11.28
278	8.4	8.7	11.34
279		9.5	11.86
280	8.3	8.6	11.28
281		9.5	11.86
282	8.4	8.7	11.34
283	8.2	8.5	11.22
284	8.6	8.9	11.46
285	8.5	8.8	11.40
286	7.6	7.9	10.80
287	7.7	8.0	10.86
288	8.3	8.6	11.28
289	8.8	9.1	11.60
290	8.0	8.3	11.08

Wednesday July 10, 1918.

Scale R Cat 4° Square A1- Blue.
mc 7616

	sc.1	sc.2	Magn.
291	86	89	11.46
292	78	81	10.93
293	85	88	11.40
294	79	82	11.00
295	83	86	11.28
296	76	79	10.80
297	78	80	10.86
298	81	90	11.53
μ 299		12.8	10.61
300	86	89	11.46
301	76	79	10.80
302	86	89	11.46
303	83	86	11.28
304	76	79	10.80
305	85	88	11.40
306	78	81	10.93
307	75	78	10.73
308	81	90	11.53
309	83	86	11.28
μ 310		13.0	10.80
311	84	87	11.34
μ 312		12.4	10.26
313	78	81	10.93
314	79	82	11.00
315	85	88	11.40
316	74	77	10.66

Wednesday July 10, 1918

Scale R Cat. 4 Square a1. Blue.
 mc 7616

	sc1	sc2	Magn.
317	84 ⁸⁷		11.34
318	79 ⁸²		11.00
319	83 ⁸⁶		11.28
320	84 ⁸⁷		11.34
321	78 ⁸¹		10.93
322	79 ⁸²		11.00
323		9.7	11.99
324	86 ⁸⁹		11.46
325	84 ⁸⁷		11.34
326		9.5	11.86
327	85 ⁸⁸		11.40
328	73 ⁷⁶		10.59
329	80 ⁸³		11.08
330		9.7	11.99
331	89 ⁹²		11.65
332	80 ⁸³		11.08
333	86 ⁸⁹		11.46
334	84 ⁸⁷		11.34
335	89 ⁹²		11.65
336	81 ⁸⁴		11.14
337	89 ⁹²		11.65
338		10.4	12.44
339	79 ⁸²		11.00
340	89 ⁹²		11.65
341	86 ⁸⁹		11.46
342	85 ⁸⁸		11.40

Wednesday July 10, 1918.

Scale R Cat- 4° square. A. Blue.
mc 7616

	RC1	RC2	Magn.
343	84	87	11.34
fu 344		130	10.80
345	79	82	11.00
346	86	89	11.46
347	86	89	11.46
348	87	90	11.53
349	78	81	10.93
350	77	80	10.86
351	78	81	10.93
352	80	83	11.08
353	78	81	10.93
354	79	82	11.00
355		102	12.30
356	85	88	11.40
357	82	85	11.22
358	76	79	10.80
359	78	81	10.93
360	79	82	11.00
361	78	81	10.93
362	77	80	10.86
363		95	11.86
364	78	81	10.93
365	77	80	10.86
366	76	79	10.80
367	77	80	10.86
368	87	90	11.53

100

Wednesday July 10, 1918.

Scale R Cat. 4° Square a1 Blue.
mc 7616

cc.1	cc.2	Magn.
369	7.780	10.86
370	8.285	11.22
371	7.780	10.86
371a	8.588	11.40
372	9.7	11.99
373	8.487	11.34
374	8.689	11.46
375	8.588	11.40
376	8.588	11.40
377	8.386	11.28
378	8.588	11.40
379	8.285	11.22
380	10.3	12.37
381	7.881	10.93
edge 382	q	q
383	8.588?	11.40?
384	8.689	11.46
fr 385	13.2	11.00
fr 386	12.5	10.34
fr 387	12.6	10.43
388	q	± q
389	8.184	11.14
390	7.679	10.80
391	8.588	11.40
fr 392	12.6	10.43
393	7.477	10.66
394	7.679	10.80

Wednesday July 10, 1918.

Scale R Cat. 4° Square. a₁ Blue.

mc 7616

	sc. 1	sc. 2	magn.
	395	77.8 ⁰	10.86
	396	81.84	11.14
iter sup. fr	397	13.1?	10.90 ⁹
Remess. o.k.? 9/17/18.	398	99	12.12
	399	84.87	11.34
	400	76.79	10.80
fr	401	12.5	10.34
	402	78.81	10.93
	403	79.82	11.00
	404	84.87	11.34
	405	75.78	10.73
	406	75.78	10.73
	407	98	12.04
	408	87.90	11.53
	409	76.79	10.80
fr	410	12.5	10.34
	411	84.87	11.34
	412	76.79	10.80
	413	89.92	11.65
	414	84.87	11.34
	415	86.89	11.46
	416	76.79	10.80
	417	9	8
fr	418	12.6	10.43
	419	74.77	10.66
	420	83.86	11.28

Thursday July 18, 1918

Sealer

1045

Cat 4° square.
mc 9580

D2 Blue.

PC

	sc.1	sc.2	sc.1	sc.2
1	B.		B	
2				
3				
4				
5				
6				
7				
8	B		B	
9	55		54	
10	B.			
11	6.3		6.4	
12	6.4		6.5	
13	6.6		6.6	
14	7.4	B.	7.3	
15	7.9	8.1	7.8	8.1
16	8.2	8.2	8.2	8.2
17	8.5	8.6	8.5	9.0
17a		9.4		9.3
18		9.5		9.5
19		10.0		9.8
20		10.1		10.1
21		10.8		10.7
22		11.3		11.1
23		11.4		11.7
24		dbl.		dbl.
25		12.2		12.4

sc.1	sc.2	sc.1	sc.2
8.9			9.3
	9.6		10.0
8.7		8.6	
	10.4		10.2
	10.2		10.1
	11.0		11.1
	10.8		11.1
	10.8		11.3 11.1
	11.3		11.4
	12.1		12.1
	12.3		12.6
	12.3		12.4
	12.7 q		12.8 q
	13.1		13.2
	4.		3.

Thursday July 18, 1918

Scale R Cat. 4° Square. 192 Blue.
mc 9580 -

	sc 2	sc 2
26	12.5	12.5
27	12.8	12.8
28	12.8 q	12.6
29	13.3	13.3 q
30	13.4 q	13.6 q
31	13.5 q	13.8 q
32	4	4.

Light changing during all the measures -
steady cloudy at first, bright and dark, sun light, and
cloudy again.

Thursday July 18, 1918

Scale R

Cat. 4° Square

S2-

mc 9580

g

h

sc.1

sc.2

sc.1

sc.2

1 8.6

8.4

2

9.6

9.9

3 8.1

8.1

4

10.1

10.1

5

10.2

~~9.4~~

9.89

6

10.4

10.3

7

10.7

11.1

8

10.6

10.7

9

11.3

11.3

11.3

10

11.7

11.69

11

11.8

12.1

12

12.19

12.1

13

12.4

12.5

14

12.8

12.8

15

13.4

13.3

16

13.4

13.1

17

13.7

13.6

18

n.s.

n.s.

19

20

21

22

23

24

100

Thursday July 18, 1918.

Scale R

Cat. 4°

Square

52.

mc 9580

sc. 1 sc. 2

1 7.3
 f 2 12.5
 3 7.2

4 8.3

5 7.1

f 6 12.4

7 7.8

8 7.9

9 7.8

07 = f 10 11.1

11 7.4

12 7.5 7.7

13 7.5

14 7.2

15 7.3

16 8.0

f 17 12.6

18 7.5

19 7.5

20 7.6

21 6.19

22 7.39

23 7.6

24 6.7

f 25 10.4

f 26 10.3

Thursday July 18, 1918.

Scale R

Cat. 4^o Sq.

102

mc 9580.

pc.1 sc.2

	h	27	10.0
	h	28	12.7
	h	29	12.3
	h	30	10.8
	h	31	12.9
05 =	h	32	10.0
	h	33	12.0
	h	34	11.4
06 =	h	35	11.1
		36	7.3
		37	7.5
		38	6.4
011 =	h	39	12.4
012 =	h	40	12.5
09 =	h	41	11.3
		42	6.9
	h	43	12.8
		44	7.6
	h	45	12.5
	h	46	10.5
02 =	h	47	9.8
01 =	h	48	8.7
	h	49	12.1
	h	50	12.5
	h	51	8.0
	h	52	12.5

Thursday July 18, 1918.

Scaler Cat. 4° Sq. S₂
 mc9580 -

	sc.1	sc.2
h 53		12.1
h 54		12.1
h 55		9.9
04 = h 56		10.4
h 57		12.7
08 = h 58		11.0
h 59		9.5
h 60		11.9 g
h 61		12.6
h 62		12.1
h 63		12.6
h 64		11.8
03 = h 65	8.8	
h 66		11.4
h 67		11.3
010 = h 68		11.9
h 69		12.4
h 70		12.7
h 71	7.5	
h 72		11.4
h 73	7.4	
h 74	8.3	
h 75	8.7	
h 76	8.6	
015 = h 77	8.1	
h 78	8.0	

Thursday July 18, 1918.

Scale R

Cat. 4° Square.

\$2.

mc 9580.

sc.1 sc.2

014= 79 7.5

80 7.9

81 7.5

82 8.0

83 7.3

84 7.0

85 7.6

86 7.3

87 8.3

88 7.6

89 7.6

90 8.4

91 8.0

h 92 13.0

101 9.3

102 9.5

103 10.3

104 8.0

105 10.1

106 9.9

107 10.0

108 8.1

109 8.6

110 defect.

111 9.5

Thursday July 18, 1918.

Scale R Cat- 4° Square D2.
mc 9580

	sc.1	sc.2
112	defect	
113	10.3	
114	10.6	
115	9.6	
116	8.0	
117	10.2	
118	defect-	
119	9.5	
120	9.6	
121	10.6	
122	8.4	
123	10.5? dbl.	ft. comp. freq. nearly sup.
124	7.9	
125	9.5	
126	9.8	
127	11.5	
128	9.6	
129	9.4	
130	8.5	
131	8.3	
132	9.4	
133	10.3	
134	10.6	
135	^{8.9} 9.2	
136	10.1	
137	9.5	

Thursday July 18, 1918.

Scale R

Cat- 4° Square

S2

mc9580

sc.1 sc.2

138 8.3

139 8.4

140 8.7

141 10.1

142 10.0

143 9.8

144 9.5

145 10.3

146 8.4

147 9.5

omit 148 defect

149 8.2

150 8.6

151 9.4

152 10.4

153 9.7

154 9.4

155 9.6

156 8.3

157 8.5

158 8.7

159 9.8

160 8.4

161 9.7

no star 162 —

omit 163 defect

Thursday July 18, 1918.

Scale R

Cat- 4° square.

B2.

mc 9580

sc 1 sc 2

164	76
165	84
166	86
167	86
168	87
169	100
170	97
171	79
172	10.20
173	83
174	8.5
175	8.1
176	9.4
177	8.5
178	9.9
179	9.3
180	8.9
181	10.5
182	8.2
182	9.7
183	8.4
184	9.3
185	8.7
186	8.0
187	8.8
188	9.0
189	9.4

Thursday July 18, 1918

Scale R

Cat- 4° Square.

52.

mc 9580

pc 1 pc 2

190 90

191 88

192 88

193 85

194 90

195 86

196 84

197 98

198 88

199 88

200 88

201 97

202 10.2

203 74

204 defect?

205 10.1

206 86

207 74

208 71

209 77

210 87

211 78

212 93

213 10.2

214 79

215 87

Thursday July 18, 1918

Scale R Cat. 4^o Square D2-
mc 9580

	pc 1	pc 2
216	.	10.0
217	8.6	
218	7.8	
219	8.4	
220	7.3	
221	8.0	
222	8.9	
223	8.4	
224		10.2
225	8.3	
226	8.1	9.5
227		9.6
228	8.8	
229		9.3
230		9.0

Monday August 12, 1918

Scale R.

1/

Cat. 4th square.

mc 9527-

D3 Blue -

Pc.

pc. 1 pc. 2

1

2

3

4

5

6

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289

Monday August 12, 1918.

Scale R. Cat. 4° Square. D 3-

me 9527

	sc 2	sc 2
27	11.8	12.1
28	12.2	12.3
29	12.4	12.5
30	13.1	12.9
31	13.3	✓ 13.2
32	±.	±.

Monday August 12, 1918.

Scale R

Cat. 4° Square.

D3-

mc 9527.

g		h	
pc.	scr.	pc.	scr.
1	8.5	8.4	
2	8.2 ⁷ g	g	
3	8.1	g	
4	8.6	8.4	
5	9.5	9.4	
6	8.8	g	
7	10.4	10.1	
8	^{nearly} to partly sup.	9.8	
9	10.6	10.4	
10	11.21	11.1	
11	10.9	sup.	
12	11.3	11.3	
13	11.7	11.8	
14	12.4	12.4	
15	12.6	12.6	
16	12.6	12.7	
17	13.1 ⁷ g	13.1 g	
18	13.5	13.4	
19	7.	g	
20			
21			
22			
23			
24			
25			

Monday August 12, 1918.

Scale R

Cat. 4° Square

83-

mc 9527

		AC.1	AC.2
03=	h 1	8.5	
	h 2	7.3	
	h 3		10.6
06=	h 4	9.8	
	h 5	10.4	
07=	h 6	10.6	
	h 7	9.1	
05=	h 8	10.4	
	9	7.1	
	h 10	9.8	
	h 11	9.4 ² cl. d. bl.	
	h 12	7.5	9.5
09=	h 13		11.2
	h 14	7.4	
08=	h 15	10.4	
01=	h 16	8.5	
	h 17	10.7	
04=	h 18	9.0	a
	h 19	10.9	
	h 20	B.	
	21	7.4	
	22	7.0	
	h 23	12.5	
	h 24	12.6	
	25	7.4	
	h 26	13.0	

118

Monday August 12, 1918

Scale R

Cat- 4° Square -
mc 9527

D3

Blue

	sc.1	sc.2
h 27		11.1
h 28		12.1
h 29		13.2
g 30		11.5
h 31		13.2
h 32		11.7
33	7.3	
34	7.4	
35	6.6	
36	6.9	
h 37		12.4
h 38		12.6
39	7.4	
40	7.6	
h 41		12.7
h 42		12.6
h 43		11.4
h 44		11.7
h 45		12.6
46	7.4	
47	7.4	
48	7.4	
h 49		12.1
h 50		12.5
51	8.0	
h 52		12.6

Monday August 4, 1918.

Scale R Cat- 4° square.
mc 9527

53-

sc 1 sc 2

	53	8.0	
f	54		12.2
	55	7.4	
f	56		12.1
f	57		12.3
f	58		13.2
w	59		12.2
f	60		12.7
f	61		10.9
	62	7.3	
f	63		12.2
	64	6.8	
	65	8.2	
	66	7.8	
	67	7.5	
	68	7.4	
	69	7.9	
	70	8.3	
	71	7.3	
	72	8.3	
	73	8.0	
f	74		13.1
	75	7.5	
	76	7.6	
f	77		13.1
	78	7.6	

Monday August 12, 1918.

Scale R

Cat. 4° Square.

D3-

mc 9527

	sc.1	sc.2
	79 6.8	
	80 7.6	
h 81		12.8
	82 8.0	
h 83		13.0
	84 7.5	
h 85		11.6
	86 7.4	
	87 7.6	
	88 7.3	
	89 7.0	
015 = 90	7.4	
	91 7.6	
014 = h 92		13.1
016 = 93	7.1	
017 = 94	7.5	
	95 7.7	
	96 7.2	
h 97		11.6
h 98		11.4
h 99		12.4
	100 7.7	
h 101		11.1
h 102		12.4
h 103	7.2	
h 104	7.9	13.1

Monday August 12, 1918.

Sclaire

Cat 4° Square.

53 Blues

mc9527

sc.1 sc.2

105 86

106 83

h 107 116

108 68

109 99

110 99

111 98

h 112 126

h 113 130

h 114 12.1

g 115 116

h 116 12.1

h 117 11.1

h 118 12.6

h 119 12.1

h 120 12.1

h 121 11.6

h 122 12.1

h 123 12.7

h 124 10.9

012 = h 125 10.7

010 = h 126 11.4

013 = h 127 12.1

h 128 12.1

129 96

130 74

Monday August 12, 1918

Scale R

Cat. 4° Square 53

mc9527

sc.1 sc.2

201 86

202 84

203 8.1

204 8.4

205 8.7

206 8.8

207 8.3

208 9.0

209 def?

210 9.0

slightly
out of fr

211 12.7

212 9.6

213 9.9

214 8.4

215 9.9

216 9.0

217 9.8

218 8.6

219 8.6

220 8.5

221 9.6

222 8.8

223 8.5

224 8.7

R Sep = 225 8.7

226 9.9

Monday August 12, 1918

Scale B

Cat. 4° Square.

D3

Blue

mc 9527

227 8.5
 228 8.9
 229 9.7
 230 7.5
 231 8.5
 232 8.2
 233 7.3
 234 8.3
 235 8.5
 236 9.0
 237 8.5
 238 8.6
 239 8.3
 240 8.4
 241 9.7
 242 9.3
 243 8.7
 244 8.6
 245 8.0
 246 8.4
 247 8.1
 248 8.5
 249 8.4
 250 10.4
 251 8.2
 252 7.9

124

Monday August 12, 1918.

Scale R

Cat- 4° Square

53-

Blue.

Mc 9527

pc.1 sc.2

253 8.5

254 8.8

255 8.6

256 8.1

257 7.6

258 7.6

259 7.9

260 7.7 dbl?

261 8.8

262 7.6

263 8.1

264 8.6

265 8.4

266 8.0

267 8.4

268 8.9

269 8.8

270 8.0

271

9.4

Mon Thursday August 15, 1918

Sale R
140

Cat- 4° Square.
Mc11823

A 3.

YELLOW

	sc. 1	sc. 2	sc. 1	sc. 2	sc. 1 sc. 2 PC.	sc. 2
1	off fl.				off	.
2	off fl.				off.	.
3	B.				12.2	12.4
4					11.1	10.9
5					10.2	10.2
6					12.7	12.7
6a					13.1	13.0
7	B.				11.7	11.8
8	5.9		5.8		14.0	7?
9	.		.		13.6	13.7
10	.		.		13.4	13.69
11	5.9		6.0		n.s.	7?
12	7.0		7.3		13.8	def?
13	6.9		6.7			
14	7.5		7.6			
15	7.8		7.6		n.s.	
16	7.3	B.	7.4			
17	8.9	9.5	8.9			
18		10.2	9.9			
19		10.4	10.4			
20		9.5	9.5			
21		11.0	11.2			
22		11.3	11.6			
23		12.0	11.8			
24		11.7	11.7			
25		12.0	12.0			
26		12.6	12.4			

Thursday August 15, 1918.

Scale R

Cat. 4° Square.

Az. YELLOW

mc 11823

	sc 1	sc 2	sc 1	sc 2
27		13.1		13.3
28 x		13.21		13.4
29 x		13.5		13.5
30 x		7 & q		f.
31 x		ms.		ms
25a x		12.4		12.6
25b x		12.8		12.7
28a x				13.5
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

Lyn. largest
for

25a

25b

28a

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Thursday August 15, 1918

Scale R

Cat - 4° Square.

a₃.

YELLOW

mc 11823

Diff. Im.

g

h

sc.1 sc.2

sc.1 sc.2

1

ff

2

ff

3

11.2

11.2

4

9.4

9.5

5

1.9

7.8

6

11.8

12.0

7

11.7

12.1

8

10.3

10.6

9

13.1

12.8

10

12.8

13.1

11

12.7

12.9

12

12.8

12.7

13

13.4

13.5

14

13.4

13.5

15

4.

4.

16

ms.

ms.

17

ms.

ms.

4:12

128

Thursday August 15, 1918.

R Cat. 4° Square.
mc 11823

a3. YELLOW

sec. 1 sec. 2

	1	7.1	
h	2	11.2	
h	3	12.9	
	4	7.4	
	5	6.9	
f	6		13.0
g	6		12.5
010 = g	7		12.6
04 = h	8	10.9	
h	9	13.1	
g	10	13.0	
h	11	12.7	
h	12	12.7	
	13	8.0	
	14	7.5	
g	15	13.0	
	16	6.4	
	17	8.0	
	18	8.2	
	19	7.0	
h	20	13.5	
	21	6.8	
	22	7.0	
g	23	12.7	
	24	7.2	
	25	7.1	
	26	8.4	

Centre of plate off - stars in south end of plate from as shown are very close

Thursday August 15, 1918.

Scale R

Cat. 4°

Square

a3.

YELLOW

mc 11893

sc.1 sc.2

21 7.4

g 28 13.0

g 29 12.6

h 30 11.3

h 31 13.4

h 32 13.4

33 7.5

34 7.3

35 7.0

g 36 13.1

37 7.0 g

38 8.0

h 39 13.0

40 7.8

h 41 12.6

42 6.8 db?

03= h 43 12.0

g 44 12.7

h 45 13.0

46 8.0

47 7.3

48 7.4

49 7.6

50 6.5

h 51 13.2

52 7.8

Thursday August 15, 1918

Scale R

Cat. 4° Square

a₃

YELLOW

mc 11873

sc.1 sc.2

53 7.4

54 6.6

dbl. { g 55 13.0
56 7.8

09 = g 57 12.9

07 = g 58 11.5

012 = 59 7.3

015 = 60 7.8

011 = 61 5.8

08 = g 62 12.9

016 = 63 7.5

64 8.8

h 65 12.9

g 66 12.9

67 6.9

05 = h 68 10.0

g 69 12.8

70 6.8

71 6.9

72 8.2

73 7.4

74 6.5

75 7.8

06 = h 76 12.9

77 7.8

013 = 78 6.8

Thursday, August 15, 1918

Scale R Cat- 4^o Square a₃. YELLOW

mc 11823

pc 1 pc 2

014 = 79 76
80 8.5

06a - 81 12.8

g 82 13.0

g 83 12.6

g 84 13.4

w 85 12.4

g 86 13.2

g 87 13.0

88 6.8

89 7.8

90 6.4

91 6.9

g 92 6.3

g 93 6.4 12.9

g 94 13.3

g 95 12.8

g 96 12.6

97 13.0

98 8.3

99 7.6

100 8.5

101 8.6

102 8.2

103 8.3

104 7.4

105 8.5

Thursday August 15, 1918

Scale R

Cat. 4° Square.

a3.

YELLOW

mc 11823

sc.1 sc.2

105 7.6

106 6.9

107 8.6

108 7.5

109 7.6

110 7.6

111 6.5

112 8.4

113 7.4

114 7.6

115 6.4

A.J.C. var.

116

11.0

117 7.6

118 7.4

119 8.0

g 120

~~120~~

12.7

121 6.7

122

9.4

123 6.9

124 6.7

h

125

13.2

126 6.9

127 8.0

128 7.6

h

129

13.0

h

130

12.6

Thursday August 15, 1918

Scale R Cat. 4° square A3. YELLOW

mc 11823

sc.1 sc.2

131 7.2

132 7.0

133 7.3

134 7.4

135 6.3

g 136 12.7

137 7.4

138 7.4

139 6.8

140 6.7

141 7.8

142 7.0 ~~10.0~~

h 143 10.0

144 7.62

edge { 145 8.42

146 7.7

147 7.2

148 8.4

149 8.7

201 6.8

202 8.0

203 10.6

204 8.8

205 9.8

206 10.9

Thursday August 15, 1918.

Scale R

Lat. 4° Square.

a3.

YELLOW

Mc 11823

sc.1	sc.2
207	10.1
208	11.6
209	11.3
210	11.4
211	10.9
212	10.8
213	10.6
214	10.3
215	10.7
216	10.2
217	10.9
218	10.6
219	8.4 dbl.
220	8.9
221	10.8
222	9.6
223	10.0
224	10.7
225	8.8
226	10.4
227	9.8
228	10.6
229	10.9
230	11.4
231	11.0
232	10.2

Thursday August 15, 1918.

Scale R Cat. 4° Square.

a₃.

YELLOW

Mc 11823

sc. 1 sc. 2

233 9.8

234 10.8

235 11.1

236 9.6

237 11.2

238 10.5

239 10.3

240 11.2

241 8.4

242 10.0

243 11.4

244 9.9

245 9.6

246 7.5

247 9.9

248 10.8

249 10.7

250 8.5

251 8.0

252 10.8

253 9.7

254 8.5

255 10.3

256 10.8

257 10.2

258 10.3

Friday August 16, 1918

Scale R

Cat 4° Square.

A3 cont.

YELLOW

1230

Mc 11823.

BC sc.2

Seq.

	sc.1	sc.2	sc.1	sc.2
1	B.			
2	.			
3	.			
4	.			
5	.			
6	.			
6a	.			
7	.			
8	5.9		5.9	
9	6.1		B.	
10	5.9 B.		.	
11	5.7		5.9	
12	7.0		7.0	
13	6.9		6.9	
14	7.6		7.5	
15	7.8		7.8	
16	7.4		7.4	
17	8.8		9.3	
18		10.0	9.9	
19		10.4	10.4	
20		9.5	9.0	
21		11.3	11.1	
22		11.5	11.6	
23		11.9	11.8	
24		11.5	11.7	
25		11.9	12.1	
26		12.6	12.6	

sc.2

off.

off.

~~12.3~~ off.

off.

12.3

12.3

10.7

10.9

10.2

10.2

12.6

12.8

12.8

11.8

11.7

14.0

14.0

14.0

13.9

~~14.0~~

13.5

13.5

7.

7.

Friday August 16, 1918.

Scale 70

Cat. 4° Square.

A3.

YELLOW

mc 11823

sc 2 sc 2

27 13.4 1309

28 13.5 13.2

29 13.7 13.5

larger pair 30 q q

31 n.s. n.s.

25a 12.4

25b 12.7

28a 13.2

Friday August 16, 1918.

Scale R

Cat 4° Square.

az. YELLOW

mc 11823

Diff. In.

	g	h
	sc.1 sc.2	sc.1 sc.2
1	off	off
2	off	off.
3	11.1	11.2
4	9.6	9.4
5	7.6	7.6
6	11.9	12.0
7	11.7	11.7
8	10.4	10.2
9	13.2	12.9
10	13.1	12.9
11	12.6	12.7
12	13.1	12.9
13	13.4	13.3
14	13.5	13.4
15	7	7
16	ns.	ns.
17	f.	f.
18		

Friday August 16, 1918.

Scale R

Cat- 4° Square.

Az. YELLOW

mc 11823

sc 1 sc 2

259 10.4

260 10.8

261 10.9

262 10.9

263 9.6

264 10.6

265 10.9

266 9.4

267 10.8

268 9.8

269 11.2

270 9.4

271 10.4

272 10.8

273 10.1

close dbl.

274 9.4? }

10.6? }

275 10.2 }

276 10.0

277 11.0

278 10.4

279 9.7

280 10.4

281 9.7

282 10.8

283 10.9

284 10.0

Friday August 16, 1918

Scale R

Cat. 4^o Square.A₃.

YELLOW

mc 11823

sc. 1 sec

285	9.1
286	7.8
287	11.1
288	9.8
289	8.2
290	10.3
291	9.8
291.2	10.8
292	9.9
293	11.0
294	10.4
295	8.6
296	10.0
297	9.9
298	9.6
299	10.5
300	7.7
301	10.6
302	10.8
303	7.5
304	8.7
305	10.6
306	10.3
307	10.6
308	8.1
309	9.3
310	8.3
311	9.4

Friday August 16, 1918.

Scale R

Cat. 4° square.

a3-

YELLOW

mc 11823

rc.1 rc.2

312	9.4
313	10.5
314	10.9
315	8.7
316	8.8
317	11.1
318	10.2
318 ²	10.5
319	10.7
320	11.3
321	10.9
322	8.8
323	8.0
324	9.6
325	9.0
326	10.3
327	9.3
328	8.3
329	9.9
330	10.5
331	8.8
332	10.8
333	10.6
334	10.2
335	11.6
336	8.8
337	10.0
338	10.7

Friday August 16, 1918.

Scale R Cat. 4° Squaw. A3.

YELLOW

mc 11823

sc.1 sc.2

339	8.5
340	9.9
341	9.8
342	8.7
343	10.3
344	9.9
345	9.7
346	10.6
347	9.9
348	9.9
349	9.4
350	9.4
351	10.7
352	9.9
353	10.3
354	8.6
355	8.6
356	9.9
356 a	10.3
357	10.4
358	10.1
359	8.4
360	9.7
361	10.0
362	8.3
363	8.2
364	10.3
365	9.7

Friday August 16, 1918.

Scale R.

Cat. 4° square.

a3-

YELLOW

mc 11823.

sc.1 sc.2

366 9.6

367 10.7

368 10.7

368 10.4

369 10.6

370 11.1

371 10.7

372 11.1

373 9.8

374 8.9

375 10.2

376 9.6

no star

377 —

378 9.4

379 9.8

380 10.6

381 11.2

382 8.8

383 9.6

384 10.6

385 8.2

386 10.7

387 8.8

388 11.6

389 11.7

390 9.7

391 10.0

392 10.9

Friday August 16, 1918.

Scale R.

Cat. 4° Square.

a 3.

YELLOW

mc 11823

sc. 1 sc. 2

393 8.5

394 7.5

395 9.8

dbl. { 396 10.1

{ 397 10.6

398 10.4

399 11.3

400 10.4

401 8.5

402 9.8

403 10.0

404 9.6

405 8.3

406 11.0

407 10.8

408 8.5

409 10.2

410 10.2

411 11.0

412 8.9

413 9.7

414 10.8

415 10.6

416 10.1

417 10.6

418 8.8

Friday August 16, 1918.

Scale R

Cat. 4° Square.

Q. 3.

YELLOW

Mc 11823.

sc. 1 sc. 2

419 8.6

420 8.8

421 11.1

422 11.4

423 10.2

423 a 9.6

424 9.4

425 8.8

426 9.8

427 9.8

428 9.7

429 11.1

430 11.1

431 10.7

432 8.8

433 10.4

434 8.5

435 8.6

436 10.1

437 9.7

438 8.0

439 10.8

440 8.4

441 9.8

442 8.8

443 10.1

444 10.4

Friday August 16, 1918

YELLOW

Scale R

Cat. 4° Square

a3

mc 11823

	ac.1	ac.2
445		9.5
446		10.3
447		9.9
448		10.4
449	8.5	
450		10.4
451		11.2
452	8.6	
453		10.5
454		10.6
455		10.6
456	9.5	
457		11.0
458		10.1
459	8.2	
460		10.4
461		10.2
462	8.3	
463		9.8
464		10.3
465		9.5
466		10.8
467		9.4
468		10.3
469		10.2
470	8.7	

measures interrupted, all out to have our pictures taken!!

Friday August 16, 1918

Scale R

Cat 4° Square.

A3-

YELLOW

MC 11823

sc. 1 sc. 2

471 9.7

472 10.2

473 10.0

474 8.2

475 8.4

476 10.1

477 9.9

478 9.9

479 8.8

480 9.7

481 9.9

482 10.4

483 10.6

no star 484 —

485 9.8

486 10.8

487 10.9

488 10.3

489 9.5

490 10.1

491 8.5

492 7.3

493 8.3

494 7.0

no star 495 —

496 8.7

148

Friday August 16, 1918

Scale R

Cat- 4° Square.

A3.

YELLOW

pc.1 per

497	9.8
498	10.1
499	10.1
500	8.9
501	9.4
502	8.5
503	8.2
504	8.8
505	10.2
506	7.5
507	9.0
508	8.8

defect.
no star

509	
510	—
511	10.4
512	8.0
513	9.7
514	10.4
515	10.6
516	10.4
517	8.7
518	9.9
519	10.3
520	9.7
521	9.2
522	8.7

Friday August 16, 1915

Scale R

Cat. 4°

Square

A3

YELLOW

mc 11823

sc. 1 sc. 2

523 8.1

524 8.4

525 10.1

526 10.3

527 10.1

528 8.5

529 10.0

530 10.7

531 6.8

532 8.7

533 9.3

534 10.1

531a

150

Tuesday September 10, 1918.

Scale R

Cat. 4° Square

B1. Blue.

10 20

Mo 7329

Square

P.C.

	sc.1	sc.2		sc.1	sc.2		sc.1	sc.2	
1				49 ⁸⁴	768.1		84 ⁸⁷	5	83 ³
2				sup.					
3				84 ⁸⁷			84 ⁸⁷		8.70
4						9.5	9.4	9.45	
5				8.8 ws.	9.5		9.6	9.55	
6						9.8	9.8	9.80	
7						10.6	10.4	10.50	
8						10.6	10.6	10.60	
8a B						10.6	10.6	10.60	
9 B				10.7		11.4 ws.	10.7	10.70	
10 dbl.						dbl.	11.4?	dbl.	
11 B						11.21	10.8	11.00	
12 B.						10.8	10.8	10.80	
13 B.						11.6	11.4	11.50	
14 B.						10.8			
15	6.87.1	7.10 ⁰⁰	6.87.1	2.30	3.02	13.5	12.4	12.45	
16	7.88.1	8.00 ¹¹	7.88.1	2.34	2.66	13.1	12.8	12.95	
17	7.67.9	7.85 ¹⁰	7.67.9	1.95	2.70	def.			
17a	7.47.7	7.70 ⁰⁰	7.47.7			12.6	12.4	12.50	
18	7.57.8	7.85 ⁰¹	7.57.8	2.85	2.78	13.1	13.2	13.15	
19	8.38.6	8.45 ²¹	8.38.6	2.82	2.41	9	9		
20	8.48.9	8.70 ⁰⁰	8.48.9	2.08	2.46	13.5	13.3	13.40	
21	7.88.1	8.30 ²²	7.88.1	1.49	2.48	13.4	13.3	13.35	
22		9.4	9.45	9.5	1.77				
23	8.89.1	9.25 ¹²	8.89.1	2.15	2.23				
23a		9.9	9.85	9.8	2.59				

Tuesday September 10, 1918.

Scale R Cat 4° Square B1. Blue.
mc 7329.

	sc. 2	sc. 2	Diff
24	10.4	10.4 10.40 ⁰⁰	142.178
25	10.7	10.6 10.65 ¹⁰	119.178
26	11.2	10.7 [?] 10.95 ²³	294.163
26 ^a	11.1	11.3 11.20 ¹¹	(117) 158
27	11.8	11.6 11.70 ¹¹	940.178
28	11.9	11.90	174
28a	11.7	11.70	.
28b	11.6	11.60	.
29	12.1	12.2 12.15 ¹⁰	182
26b	11.2	11.0 11.10 ¹¹	177
30	12.4	12.40	191
29a	12.4	12.40	.

Hereafter star m. of seq.

measure only 1 mag. fainter than faintest star
of cat. (on this pl.)
per H.S.L.

Tuesday September 10, 1918.

Cule R	Cat. 4° Sq.	31	Diff. Im.
Sequence	mc 7329-		
	g	h	Dist. from Center
	sc. 1 sc. 2	sc. 1 sc. 2	Plate mm
	^{8.7} 1 8.6g	^{8.7} 8.4g	¹¹ 8.80 - 1.73 04-10 S
Edge	2 g		80 to 90 N
"	3 g		97 f
"	4 g		⁶⁰⁴⁷⁰ 8047 N
5	9.6	9.6	⁰⁰ 9.60 - 1.56 ³⁴ 30-40 sf
6	10.1	9.7	²² 9.90 - 1.65 4
7	10.2	10.2	⁰⁰ 10.20 - 1.62 32
8	10.4	10.3	⁰¹ 10.35 - 1.71 27
8a	10.7	10.5	¹¹ 10.60 - 1.92 34
9	10.6	10.7	⁰¹ 10.65 - 1.63 04-10 np
10	dbl.	11.1?	⁰¹ 11.1? 9 sf
11	10.6	10.7	⁰¹ 10.65 - 1.58
12	10.9	10.8	¹⁰ 10.85 - 1.68 ²³ 20 to 30
13	11.4	11.4	⁰⁰ 11.40 - 2.01 10 to 20
14	11.7	11.8	¹⁰ 11.75 - 2.00
15	12.2	12.2	⁰⁰ 12.20 - 2.08
16	12.6	12.7	⁰¹ 12.65 - 1.99
17	12.6	12.6	⁰⁰ 12.60 - 2.05
17a	12.2	12.1	⁰¹ 12.15
18	12.7	12.5	¹¹ 12.60 - 2.17
19	12.8	12.8	⁰⁰ 12.80 - 1.94
20	12.8	12.7	⁰¹ 12.75 - 1.59
21	13.1	12.9	¹¹ 13.00 - 2.06
22	13.4	13.5	⁰¹ 13.45 - 2.04
23	4?	13.5	13.5 - 2.02 10 to 20
23a	4.9	13.4	13.4 - 1.77

Tuesday September 10, 1918.

Scale R Cat 4° Sq. B1-
mc7329

	pc.1	pc.2	Magn	
244 =	pc 1	12.2	9.90 p	93 af
	2 ^{7.9} _{7.6}		10.60	90 af
	3 ^{7.9} _{7.6}		10.60	82 af
	4 ^{8.8} _{8.5}		11.15	84 af
	5 ^{8.6} _{8.3}		11.05	85 af
	6 ^{7.6} _{7.3}		10.40	83 af
	pc 7	12.7	10.31 p	97 af
	pc 8	12.4	10.06 p	107 af
	9 ^{7.9} _{7.6}		10.60	103 af
	10 ^{7.9} _{7.6}		10.60	90 af
	11 ^{8.8} _{8.5}		11.15	100 af
207 =	pc 12	12.3	9.98 p	79 af
	13 ^{7.9} _{7.6}		10.60	70 af
	pc 14	12.4	10.06 p	77 af
	15 ^{7.7} _{7.4}		10.46	60 af
	pc 16	12.5	10.14 p	58 p
	17 ^{7.9} _{7.6}		10.60	57 af
262 =	pc 18	12.2	9.90 p	44 af
	19 ^{7.5} _{7.2}		10.34	57 af
	pc 20	12.4	10.06 p	39 af
	21 ^{7.9} _{7.6}		10.60	47 af
258 =	pc 22	12.6	10.22 p	35 af
	23 ^{8.3} _{8.0}		10.85	36 af
259 =	pc 24 ^{7.9} _{7.6}		10.60	38 af
	25 ^{7.8} _{7.5}		10.52	67 af
213 =	pc 26	11.4	9.29 p	75 af

Tuesday September 10, 1918.

Scale R. Cat 4° Square B1.
mc 7329

		sc.1	sc.2	Magn	
	27	7.9 7.6		10.60	86 af
p	28		12.5	10.14 p	66 a
	29	7.8 7.5		10.52	57 a
p	30		12.9	10.50 p	53 a
p	31		12.8	10.40 p	40 a
467 =	32	7.6 7.3		10.40	
g	33		12.2	10.16 g	21 af
	34	8.1 7.8		10.73	34 a
	35	7.5		10.52	41 a
223 =	36		12.2	9.90 p	56 a
222 =	37		11.5	9.36 p	
493 = 280 =	38	7.9 7.6		10.60	
	39	7.7 7.4		10.46	41 a
p	40		12.6	10.22 p	39 a p
279 =	41		12.3	9.98 p	50 a p
p	42		12.2	9.90 p	21 a
281 =	43		12.5	10.14 p	15 a p
p	44		12.6	10.22 p	15 a p
p	45		12.4	10.06 p	22 a p
	46	7.6 7.3		10.40	19 a p
	47	7.9 7.6		10.60	25 a p
	48	7.9 7.6		10.60	30 p
346 =	49		12.3	9.98 p	34 n p
347 =	50		12.4	10.06 p	27 p
349 =	51		12.3	10.26 g	27 n p
	52	7.7 7.4		10.46	34 n p

Tuesday September 10, 1918.

Scale R Cat 4° Sq. B1.
mc 7329

	sc.1	sc.2	Magn	
290 =	f 53	12.2	9.90 p	
	f 54	12.1	9.82 p	
296 =	f 55	12.1	10.70 p	40 p Examination of plate shows measure out by a unit
	f 56	12.4	9.82 p	59 p
	7.4		10.06 p	63 p
	57 7.1		10.28	55 p
	58 7.7		10.46	62 p
	59 7.8		10.52	62 p
	7.5			
	f 60	12.3	9.98 p	73 p
	61 7.9		10.60	65 p
	62 7.6		10.60	70 p
	63 8.3		11.05	73 p
	64 7.7		10.46	70 p
	65 7.8		10.52	63 p
	66 7.5		10.40	23 p
	67 7.6		10.60	33 p
	68 7.7		10.46	21 p
	69 7.9		10.60	14 p
	70 7.8		10.52	12 p
	7.5			
	f 71	12.4	10.06 p	5 n p
320 =	72 7.7		10.46	53 p
	73 7.4		10.60	56 p
	7.6			
	f 74	12.5	10.14 p	58 p
	f 75	12.7	10.31 p	61 p
	76 8.5		11.00	65 p
	77 8.2		11.05	72 p
	8.3			
g 78	11.7		9.70 g	72 p

Tuesday September 10, 1918.

Scale R Cat. 4° Sq. B1-
mc 7329

	sc. 1	sc. 2	Magn	
	7.9			
319 =	79 7.6		10.60	73f
	80 7.9		10.60	71f
	81 7.7		10.46	58f
	82 7.4		10.46	61nf
318 =	83 7.9		10.60	65nf
	84 7.7		10.46	68nf
	85 7.4		10.46	75nf
362 =	86	12.6	10.22 p	80nf
	87	12.4	10.06 p	97nf
359 =	88	12.8	10.40 p	102nf
	89	11.8?	9.59? p	
	90	12.3	9.98 p	90nf
	91	11.4	9.29 p	
	92	7.9	10.60	83nf
	93	8.4	11.10	67f
	94	7.9	10.60	77f
	95	7.6	10.60	78f
	96	8.1	10.73	76f
	97	8.1	10.73	52f
363 =	98	11.8	9.59 p	76nf
	99	11.4	9.29 p	84nf
	100	12.3	9.98 p	80nf
	101	8.5	11.00	50nf
	102	8.2	10.52	55nf
	103	7.8	10.73	47nf
	104	7.5	10.92	49nf
	105	8.1	10.46	40nf

Tuesday September 10, 1918.

Scale R Cat. 4° Square 01.
mc 7329

	sc1	sc2	Magn	
105	79 76		10.60	32 nf
106	80 77		10.66	37 nf
107	78 75		10.52	27 nf
108	81 78		10.73	27 n
109	80 77		10.66	17 n
110	82 79		10.79	12 nf
111	80 77		10.66	19 nf
112	77 74		10.46	53 n
h 113		12.2	9.90 p	67 n
h 114		12.6	10.22 p	58 n
115	83 80		10.85	54 n
116	83 80		10.85	59 n
dlle h 117		12.4 } 5 p 12.8 } m.5	10.06 p	68 n
h 118		12.2	9.90 p	75 n
119	78 75		10.52	60 np
305 = h 120		12.1	9.82 p	
121	79 76		10.60	53 np
364 = h 122		12.4	10.06 p	
h 123		12.7	10.31 p	62 np
124	81 78		10.73	58 np
h 125		12.4	10.14 p	68 np
126	76 72		10.34	75 sp
127	80 77		10.66	582
128				
h 201		11.4	9.29 p	103 sf
h 202		11.8	9.59	

Tuesday September 18, 1918

Scale R Cat. 40 Sq. B1-

mc 7329-

	pc. 1	pc. 2	Magn	
h 203		10.5	8.63 p	95 af
h 204		10.1	8.33 p	84 af
h 205		12.4	10.06 p	78 af
h 206		9.9	8.18 p	84 sf
12= h 207		12.4	10.06 p	83 af
h 208		11.6	9.43 p	81 af
h 209		12.1	9.82 p	85 af
h 210		9.8	8.10 p	84 af
211	7.7	7.4	10.46	77 af
h 212		12.4	10.06 p	74 af
26= h 213		11.4	9.29 p	74 sf
h 214		10.8	8.84 p	57 af
h 215	7.8	7.5	10.52 p	61 af
h 216		9.4	7.80 p	67 af
h 217	8.4	8.1	7.10 p	72 af
h 218		11.1	9.06 p	47 s
g 219	7.0	6.7	B g	39 s
h 220		9.6	7.96 p	30 s
h 221		10.6	8.70 p	52 af
37= h 222		11.5	9.36 p	55 af
36= h 223		12.4	10.06 p	56 af
h 224		12.2	9.90 p	70 af
h 225		10.7	8.77 p	63 s
h 226		11.6	9.43 p	38 s
h 227		10.7	8.77 p	73 s
h 228		11.1	9.06 p	67 s

Tuesday September 18⁰², 1918.

Scale R

Cat. 4° Square

B. -

mc 7329.

	sc.1	sc.2		
h 229	76 7.3		B p	76 s
h 230		10.4	8.55 p	66 s
h 231		11.4	9.29 p	53 ap
h 232		10.3	8.48 p	49 ap
h 233	9.1	9.8	8.10 p	56 ap
h 234	8.8		7.59 p	54 ap
h 235		9.7	8.03 p	67 ap
h 236		11.1	9.06 p	67 ap
h 237		11.7	9.51 p	67 ap
h 238		10.1	8.33 p	72 ap
h 239		12.4	10.06 p	87 ap
h 240		11.9	9.66 p	95 ap
h 241		12.4	10.31 p	75 ap
h 242	79 7.6		10.60 p	75 ap
g 243		11.6	9.61 g	94 sf
h 244		12.2	9.90 p	93 sf
h 245		11.4	9.29 p	77 f
h 246		11.3	9.22 p	74 s
h 247		10.9	8.92 p	73 f
h 248		12.4	10.06 p	65 s
h 249		11.5	9.36 p	70 sf sf
h 250		12.0	9.73 p	67 sf
h 251		10.7	8.77 p	46 sf
h 252		11.3	9.22 p	42 f
h 253		11.2	9.14 p	33 f
h 254		11.9	9.66 p	33 f

Tuesday September 10, 1918.

Scale R

Cat- 4° square
mc 1329

B1-

	sc.1	sc.2	Magn	
07 =	h 255	10.5	8.63 p	31 af
05 =	h 256	9.5	7.88 p	31 af
	h 257	11.4	9.29 p	40 af
222 =	258	11.4	10.46	³ 48 af
224 =	259	11.6	10.60	39 af
	h 260	10.3	8.48 p	60 af
	h 261	12.3	9.98 p	62 d
18 =	g 262	11.5	9.53 p	⁴⁴ 62 af
08a =	h 263	10.6	8.70 p	35 f
	h 264	10.5	8.63 p	26 f
	h 265	11.6	9.43 p	26 af
	h 266	⁶⁰ 5.9	B p	20 f
012 =	h 267	10.8	8.84 p	25 af
01 =	h 268	8.2	7.17 p	¹⁵ 12 f
014 =	h 269	12.1	9.82 p	17 af
013 =	h 270	11.6	9.43 p	18 af
del.	h 271	11.3 } 13.5 }	9.22 p	8 af
	g 272	10.7	8.88 g	5 p
06 =	h 273	9.9	8.18 p	3 f
	h 274	11.8	9.59 p	12 d
	h 275	⁸⁵ 8.2	7.17 p	12 np
09 =	h 276	10.7	8.77 p	10 np
	h 277	^{7.1} 6.8	10.29 ^B p	14 p
	h 278	11.7	9.51 p	34 p
41 =	h 279	12.4	10.06 p	48 p
38 =	280	^{7.7} 7.4	10.46	37 d

Tuesday September 10, 1918.

Scale R. Cat. 4° Square B1-
mc 7329

		sc.1	sc.2	magn	
+3=	h 281		12.4	10.06 p	
	h 282		12.4	10.06 p	33 ap
	h 283		12.3	9.98 p	29 ap
	h 284		10.6	8.70 p	35 p
	h 285		10.6	8.70 p	37 p
	h 286		12.2	9.90 p	45 p
	h 287		11.8	9.59 p	47 p
	h 288		12.2	9.90 p	47 p
	h 289		10.8	8.84 p	51 p
53=	g 290		11.8	9.59 g	47 p
	h 291		11.4	9.29 p	58 np
	h 292		10.8	8.84 p	65 np
	h 293		10.7	8.77 p	71 np
	h 294		11.5	9.36 p	68 p
	h 295		12.4	10.06 p	58 p
55=	h 296		12.1	9.82 p	59 p
	h 297		12.3	9.98 p	67 np
	h 298		10.8	8.84 p	67 np
	h 299		11.3	9.22 p	69 np
	h 300	89		7.44 p	79 np
	h 301	86		8.55 p	87 np
	h 302		12.2	9.90 p	81 np
	h 303		12.3	9.98 p	66 np
	h 304		10.9	8.92 p	81 np
120=	h 305		12.2	9.90 p	81 np
	h 306		10.4	8.55 p	95 np

Tuesday September 10, 1918.

Scale R

Cat. 4° Square.

B1.

mc 7329

	sc.1	sc.2	magn	
h 307		11.2	9.14 p	85f
h 308		11.5	9.29 p	81f
h 309		11.2	9.14 p	77f
h 310		10.8	8.84 p	69f
h 311		10.6	8.70 p	65f
312	9.7		10.46	70f
dbl. h 313		10.3	8.48 p	62f
		11.8	9.59 p	
h 314		11.8	9.59 p	67f
h 315		11.3	9.22 f	72nf
h 316		11.9	9.66 p	65nf
83- 317	9.9		10.60	65nf
h 318	9.6	9.8	¹⁰ 8.84 p	56nf
81= 319	9.8		10.52	58nf
92= g 320	9.5	12.6	10.57 g	
321	9.8		10.22	38nf
322	9.7		10.46	35nf
h 323		12.1	9.82 p	28nf
h 324		12.4	10.06 p	41nf
325	9.7		10.46	62nf
h 326	9.4		10.09 p	63nf
h 327		11.8	9.59 p	62nf
h 328		11.7	9.51 p	67nf
h 329		11.7	9.51 p	71n
h 330		11.7	9.51 p	57n
h 331		10.3	8.48 p	57n
h 332		10.8	8.84 p	58n

Unit obviously wrong. Apr. 2, 1919

Tuesday September 10, 1918.

Scale R Cat- 4° Square. B1-
mc 7329

	pc.1	pc.2	magn.	
h 333	10.6	8.70 p	48 n	
h 334	11.9	9.66 p	51 n	
04= h 335	9.6	7.96 p	64 n	
h 336	11.7	9.51 p	72 n	
h 337	10.3	8.48 p	59 n	
h 338	10.7	8.77 p	69 n p	
h 339	11.2	9.14 p	37 n p	
h 339a	12.7	10.31 p		
h 340	12.2	9.90 p	43 n p	
h 341	12.6	10.22 p	53 n p	
h 342	12.5	10.14 p	52 n p	
343	9.5	7.88	56 n p	
h 344	12.6	10.22 p	43 n p	
h 345	12.6	10.22 p	38 n p	
49= h 346	12.4	10.06 p	35 n p	
50= 347	12.0	10.22	27 n p	
g 348	12.4	10.36 g	30 n p	
51= h 349	12.6	10.22 p	27 n p	
350	11.1	10.28	23 n p	
h 351	9.7	8.03 p	88 f	
h 352	10.9	8.92 p	80 f	
h 353	8.8	7.59 p	96 n f	
h 354	11.6	9.43 p	92 n f	
h 355	11.7	.	93 n f	
h 356	10.7	8.77 p	86 n f	
h 357	11.3	9.22 p	83 n f	
h 358	10.2	8.41 p	99 n f	

Wednesday September 11, 1918.

Scale R Cat. 4° Square.
10 to Dist. MC 7329.

B1 cont-

P.C.

Seq.	pc.1	pc.2	pc.1	pc.2	Riff
15f	1		8.7		
	2		8.4	8.5	8.60 11 - 1.53
	3		8.9		
	4		8.6	8.7	8.80 11 - 1.45
64n	5		9.0	9.5	9.27 302 - 1.53
31af	6		9.1	9.6	9.65 10 - 1.61
	7		9.8	10.1	9.95 21 - 1.70
31af	8		10.3	10.5	10.40 11 - 1.82
26f	9		10.6	10.5	10.55 01 - 1.91
35f	10		10.5	10.7	10.60 11 - 1.92
10mp	11		10.7	10.6	10.65 10 - 1.63
8af	12		dbl.	dbl.	
5p	13		10.9	10.8	10.85 10 - 1.78
25af	14		10.8	10.9	10.85 01 - 1.68
18af	15		11.4	11.5	11.45 01 - 2.06
17af	16		12.1	12.3	12.1 12.1 - 2.35
5np	17		12.2	12.3	12.25 01 - 2.13
	18		12.7	12.6	12.65 10 - 1.99
12a	19		def.	def.	def. as sup?
	20		12.7	12.6	12.65 10 - 2.02
	21		13.2	13.2	13.20 00 - 2.34
	22		13.4	13.4	13.40 00 - 2.24
	23				
	24				
	25				

Wednesday September 11, 1918.

Scale R Cat. 4° Square.
mc 7329.

B₁ cont-

	sc. 2	sc. 2	diff
26	10.7	10.65 10	10.6 193
26a	10.8	10.80 00	10.8 198
26b	11.0	11.10 ± 1	11.2 177
27	11.5	11.45 10	11.4 203
28	11.8	11.80 00	11.8 184
29			
30			

8a

Wednesday September 11, 1918.

Scale R

Catalogue 4° Sq.

Q1.

mc7359

cont

g

h

see 102

Diff

1	g		86	-1.53
2	g		g	.
3	g		g	.
4	g		g	.
5	g		96	-1.56
6	96	960 00	96	-1.35
7	10.4	10.35 01	10.3	-1.77
8	10.3	10.25 10	10.21	-1.57
8a	10.4	10.45 01	10.35	-1.77
9	10.6	10.60 00	10.6	-1.58
10	10.6		g	-1.37
11	10.6	10.60 00	10.6	-1.53
12	10.8	10.80 00	10.8	-1.63
13	11.3	11.25 10	11.21	-1.86
14	11.6	11.65 01	11.7	-1.90
15	g		11.8	-1.68
16	12.6	12.55 01	12.5	-1.89
17	12.7	12.60 11	12.5	-2.05
18	g		12.6	-1.97
19	g		12.6	-1.74
20	g		12.7	-1.54
21	g		12.8	-1.86
22	g		g	.
23	13.4	13.40 00	13.4	-1.92
23a	13.5		g	-1.87
24				

105

Wednesday September 11, 1918.

Scale R. Cat. 4° sq. B1-
mc 7329

	sc.1	sc.2	Magn	
89= edge. h 359	12.2?		10.05? p	nearly sup. 100 ns
h 360	12.0		9.88 p	90 ns
h 361	12.0		9.88 p	95 ns
87= h 362	12.3		10.14 p	95 ns
97 122= h 363	12.0		9.88 p	
122= h 364	12.6		10.40 p	92 ns
h 365	10.3		8.50 p	80 ns
h 366	12.0		9.88 p	74 p
367				
89				
401 368 8.6			11.22	48 ap
402 369 8.7			11.11	43 ap
403 370 8.8			11.34	34 ap
404 371 8.9			11.40	33 ap
405 372 8.8			11.34	31 ap
406 373 8.6			11.22	22 ap
407 374 8.8	9.7		11.71	31 ap
408 375 8.5			11.16	32 p
409 376 8.6			11.05	22 p
410 377 8.8			11.16	29 p
411 378 8.3			11.05	20 ns
412 379 8.6			11.22	23 ns
413 380 8.8			11.34	32 ns
414 381 8.3			10.86	20 ns
415 382 8.3			10.86	29 ns
416 383 8.3	9.6		11.64	42 ns
417 384 8.0			10.86	44 ns

Wednesday September 11, 1918.

Scale R

Cat. 4°

Sq.

B1.

mc 17³ 29

pc 1 sec	Magn	
418 ⁸⁷ 8.4	11.11	30 ^{wp} 12.5 star follows, about same dec.
419 ⁸⁹ 8.6	11.22	27 n
420 ⁸⁶ 8.3	11.05	32 n
421 ⁸⁸ 8.5	11.16	38 a
422 ⁸⁹ 8.6	11.22	29 a
423 ⁷⁹ 8.6	10.60	38 a
424 ⁸⁹ 8.6	11.22	37 a
425 ⁸⁸ 8.5	11.16	37 a
426 ⁹³	11.46	30 a
427 ⁸⁷ 8.4	11.11	25 a
428 ⁸⁵ 8.2	10.99	18 a
429 ^{10.7}	12.53	11 a
430 ⁸⁶ 8.3	11.05	8 a f
431 ⁸⁶ 8.3	11.05	6 n f
432 ⁷⁷ 8.4	10.47	14 n f
433 ⁸⁹ 8.6	11.22	13 n f
434 ⁸⁴ 8.1	10.93	20 n
435 ⁸⁵ 8.2	10.99	6 n
436 ⁸⁷ 8.8	11.34	10 n
437 ⁸⁹ 8.6	11.22	13 n
438 ⁸⁶ 8.3	11.05	17 n
439 ^{9.7}	11.71	16 n
440 ^{9.5}	11.58	22 n
441 ^{9.0} 8.7	11.28	40 2+ a f
442 ⁷⁸ 7.5	10.54	21 a f
443 ⁸⁹ 8.6	11.22	15 f

Wednesday September 11, 1918.

Scale R. Cat. 4° Square B1-
mc 7329

	sc 1 sec	Magn	
444	82 9.8	11.77	18 af
445	79	10.80	12 f
446	80 7.7	10.67	4 uf
447	92 9.6	11.64	2
448	89	11.40	6 uf
449	86	11.22	20 uf
450	90 8.7	11.28	20 uf
451	86 9.4	11.52	21 uf
452	83	11.05	22 uf
453	86 8.3	11.05	32 n
454	88 8.5	11.16	28 uf
455	99	11.84	35 uf
456	97	11.71	35 af
457	86 8.3	11.05	36 af
458	9.6	11.64	42 of
459	10.2	12.05	39 of
460	no stars		
461			
462			
463			
464			
465			
466	8.1 7.8	10.74	32 af
p 467	92 12.7	10.50 p	24 af
468	89	11.40	23 f
p 469	12.6	10.40 p	29 af

Wednesday September 11, 1918.

Scale R

Cat. 4°

Square.

B1.

mc 7329

P sup.

	sc.1	sc.2	Magn	
	8.1			
470	7.8		10.74	27f
	7.6			
471	7.3		10.40	17f
	8.6	12.2	10.35g	
472	8.3		11.05	30nf
	8.9			
473	8.6		11.22	32f
	8.4			
474	8.1		10.93	28mf
	9.1			
475	8.8		11.34	31nf
	7.8			
476	7.5		10.54	34nf
	7.7			
477	7.4		10.47	52nf
478		9.6	11.64	47f
	8.3			
479	8.0		10.86	33f
	8.4			
480	8.1		10.93	41f
	8.3			
481	8.0		10.86	46f
	7.7			
482	7.4		10.47	36f
483		9.6	11.64	41f
	7.8			
484	7.5		10.54	44nf
485		9.3	11.46	49nf
486		12.4	10.50p	52nf
	8.7			
487	8.4		11.11	47nf
488		9.8	11.77	38mf
489		9.4	11.52	6f ?
	8.1			
490	7.8		10.74	232p
	8.7			
491	8.4		11.11	53nf
492		10.0	11.90	28p
		9.6	11.64	
	7.9			
493	7.6		10.60	
	8.8			
494	8.5		11.16	6sp
	8.7			
495	8.4		11.11	30n

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Wednesday September 11, 1918.

Scale R Cat. 4° Square. B1-
mc 7329

	sc.1	sc.2	Magn	
496	^{8.0} 17.7		10.67	38 f
497	^{8.9} 8.6		11.22	27 f
498	^{9.1} 8.8		11.34	42 42 f
f. 499	^{7.9} 16	12.6	10.40 p	67 sp
500	^{8.7} 16		10.60	60 ap
501	^{8.4} 8.4		11.11	63 ap
502	^{8.6} 9.4		11.52	67. p
503	^{8.3} 8.3		11.05	57 ap
504	^{8.8} 8.5		11.16	58 p
f. 505	^{8.7} 12.8		10.59 p	62 p
506	^{8.4} 8.4		11.11	63 p
507	^{8.4} 8.1		10.93	61 p
508	^{8.8} 8.5		11.16	57 ap
f. 509	^{7.9} 12.3		10.14 p	53 p
510	^{8.5} 16		10.60	59 np
511	^{8.2} 8.2		10.99	47 np
512	^{8.9} 8.6		11.22	45 np
513	^{8.9} 9.4		11.52	50 np
514	^{8.6} 8.6		11.22	46 p
515	^{8.4} 8.1		10.93	39 p
516	^{9.1} 8.8		11.34	48 p
517	^{9.1} 8.8		11.34	46 p
518	^{8.8} 10.2		12.05	40 p
519	^{8.5} 8.5		11.16	33 p
dbl. g. 520	^{8.5} 12.4?		10.54? g	38 p
521	^{8.2} 8.2		10.99	52 ap

Wednesday September 11, 1918.

Scale R 6 at. 4° square B1.
mc 73 29

	pc. 1	pc. 2	Magn	
522	83 80		10.86	542p
523	88 85		11.16	572p
524	93 90		11.46	74 2f
525	81 78		10.74	69 2f
526		9.6	11.64	67 2f
527		10.0	11.90	57 2f
528	84 81		10.93	63f
529	89 86		11.22	63f
530	83 81		11.05	64f
531	78		10.74	49f
532	79	9.5	11.58	50f
533	76 70		10.60	51f
534	81 78		11.28	53f
535	86 82		10.99	62f
536	86 83		11.05	60f
537	81 78		10.74	72 nf
538	87 84		11.11	71f
539	92 89		11.40	77f
540	87 84		11.11	71f
541		9.5	11.58	77f
542		9.6	11.64	71f
543	80 77		10.67	82f
544	89 86		11.22	77f
545	80 77		10.67	79 2f
546	88 85		11.16	79 2f
547	79 76		10.60	80 2

Wednesday September 11, 1918.

Scale R.

Cat. 4° Square. B1.
mc7329

	sc.1	sc.2	Magn	
548	8.7		11.11	64 2p
549	8.7		11.11	62 2
550	8.7		11.11	62 2p
551	8.6		11.05	54 2p
552	8.6		11.05	54 2
553	8.4		10.93	52 2
554	8.1		10.74	50 2
555	7.8		11.46	51 2
556	9.3		10.86	53 2
557	9.0		11.28	41 2
558	8.7		10.86	47 2
559	8.4		10.93	60 2
560	8.1		11.28	60 2
561	9.0		11.28	68 2
562	8.7		11.28	69 2
563	9.2	9.7	11.71	55 2
564	8.9		11.40	46 2
565	8.8		11.16	73 2
566	8.5		10.60	44 2
567	7.9		10.99	48 2
568	7.6		10.74	77 2f
569	8.2	9.5	11.58	61 2f
570	8.1		10.86	64 2f
571	8.0		11.11	51 2p
572	8.7		11.16	49 2
573	8.8	9.7	11.71	43 2

Wednesday September 11, 1918

Scale R

Cat. 4° Sq. B1-

m 7329

	sc.1	sc.2	Magn	
574	83 ⁸⁶		11.05	50 n
575	85 ⁸³		10.99	62 n
576	78 ⁸⁵		10.54	60 n
✓ 577	75 ⁷⁸	12.4	10.22 p	67 n
✓ 577a		11.8	9.71 p	63 n
578	86 ⁸³		11.05	71 n
578a	89 ⁸⁶		11.22	51 n
579	91 ⁸⁸		11.34	50 n
580	83 ⁸⁰		10.86	59 n
581	92 ⁸⁹		11.40	68 n
582	88 ⁸⁵		11.16	60 n
583	79 ⁷⁶		10.60	60 n
584	80 ⁷⁷		10.67	58 n
585	88 ⁸⁵		11.16	57 n
586	92 ⁸⁹		11.40	53 n
587	87 ⁸⁴		11.11	61 n
588	88 ⁸⁵	9.6	11.64	58 n
589	85 ⁸²		11.16	48 n
590	85 ⁸²	10.0	11.90	63 n
591	82 ⁷⁹	dbl?	10.99	67 n
592	80 ⁷⁷	9.5	11.58	68 n
593	77 ⁷⁴		10.67	79 n
594	80 ⁷⁷		10.67	82 n
595	88 ⁸⁵	10.3	12.13	58 n
596	85 ⁸²		11.16	74 n
597	92 ⁸⁹		11.40	70 n

Wednesday September 11, 1918.

Scale R Cat - 4° Sq B1.
mc 7329

	sc.1	sc.2	Magn	
598	⁸⁸ 8.5		11.16	88nf
599	⁸⁰ 7.7		10.67	84nf
600	⁸⁸ 8.5		11.16	101nf
601	⁸⁰ 7.7		10.67	87nf
602	⁸⁹ 8.6		11.22	91nf
603	⁹² 8.9		11.40	86nf
604	⁸⁹ 8.6		11.22	84nf
p 605	12.6		10.40p	95nf
606				⁶⁴ 604 2f
607	⁹¹ 8.8		11.34	832f
p 608	12.7		10.50 p	822f
edge 609	⁸⁵ 8.2g		10.99	1072f
edge 610	⁸⁸ 8.5g		11.16	1032f
611	⁸⁹ 8.6		11.22	882f
612	⁷⁸ 7.5		10.54	94ap
p 613	12.6		10.40 p	872p
p 614	12.6		10.40 p	902p
615	9.4		11.52	742p
616	⁸⁵ 8.2g		10.99	87np
617	⁸⁷ 8.4		11.11	87np
618	⁸² 7.9		10.80	68np
619	⁸⁷ 8.4		11.11	68np
619a	⁷⁹ 7.6		10.60	70np
620	⁸⁴ 8.1		10.93	802p
621	⁸⁷ 8.4		11.11	572p
622	⁸³ 8.0		10.86	552p

Wednesday September 11, 1918.

Scale R Cat- 4^o Sq. B1.

mc 7529

	sc1	sc2	Magn	
h 623	85	10.0	8.27 p	81 a
624	82		10.99	⁸² 108 af
h 625	92	11.8	9.71 p	108 af
626	89		11.40	47 p
627	⁸² 79		⁸⁰ 10.74	67 nf
628	⁸³ 80		10.86	51 nf
629	⁸⁵ 82		10.99	59 p
630	⁸⁶ 83		11.05	55 p
631	⁸⁸ 85		11.16	51 n
632		9.5	11.58	51 n
h 1a	⁸⁰ 77	.	..	

monday, September 16, 1918.

Scale R
1235Cat. 4° Square 23.
mc 6183.

Sheet 7

PC.

	pc.1	pc.2	sc.1	sc.2		pc.1	pc.2	sc.2	Mean.	Mean.
1	edge					off.				
2						9.5	9.6	9.55 ¹⁰	9.45	9.50 ^{05 05}
3						9.8	9.8	9.80 ⁰⁰	9.80 ⁵	9.82 ^{02 03}
4						9.7	9.8	9.75 ¹⁰	9.80	9.78 ^{03 02}
5						9.9	10.1	10.00 ¹¹	9.75	9.88 ^{12 13}
6			Copied fr. P. 188		Mean. Diff.	10.7	10.9	10.80 ¹¹	10.95	10.88 ^{08 01}
7						10.7	10.8	10.75 ¹⁰	10.60	10.68 ^{01 08}
8						11.4	11.4	11.40 ⁰⁰	11.40	11.40 ^{00 00}
9	6.2 ⁶⁵	6.50 ⁰⁰	6.2 ⁶⁵		6.50 ⁰⁰	+2.53	11.2	11.3	11.25 ⁰¹	11.30
10									11.30	11.28 ^{02 02}
11	6.2 ⁶⁵	6.45 ¹⁰	6.1 ⁶⁴		6.45 ⁰⁰	2.69	11.5	11.6	11.55 ¹⁰	11.45 ^{10 10}
12	7.1 ⁷⁴	7.30 ¹¹	6.9 ⁷²	7.25	7.28 ^{02 03}	2.20	12.3	12.1	12.20 ¹¹	12.20 ^{00 00}
13	6.7 ⁷⁰	7.15 ²¹	7.0 ⁷³	7.20	7.18 ^{03 02}	2.40	11.9	11.8	11.85 ¹⁰	12.10 ^{13 12}
14	7.3 ⁷⁶	7.65 ⁰¹	7.4 ⁷⁷	7.70	7.68 ^{03 02}	2.18	12.4	12.4	12.40 ⁰⁰	12.55 ^{03 01}
15	7.6 ⁷⁹	7.80 ¹¹	7.4 ⁷⁷	7.90	7.85 ^{05 05}	2.36	12.6	12.6	12.60 ⁰⁰	12.60 ^{02 03}
16	8.2 ⁸⁵	8.50 ⁰⁰	8.2 ⁸⁵	8.55	8.52 ^{02 03}	1.95	13.1	13.1	13.10 ⁰⁰	13.10 ^{00 00}
17	8.2 ⁸⁵	8.55 ¹⁰	8.3 ⁸⁶	8.70	8.62 ^{01 02}	2.08	13.2?	close to another nearly right star	13.20 ^{00 00}	13.20 ^{00 00}
18	8.8 ⁹¹	9.20 ¹¹		9.3	9.15 ^{02 03}	1.82	13.6	13.5?	13.55 ⁰¹	13.48 ^{08 01}
19	8.9 ⁹²	9.20 ⁰⁰		9.2	9.15 ^{02 03}	1.97			13.50	13.50 ^{00 00}
20		9.3	9.40 ¹¹	9.8 ⁵	9.25 ^{08 01}	2.00				
21		9.7	9.75 ¹⁰	9.8	9.75 ^{00 00}	1.84				
22		9.9	9.90 ⁰⁰	9.9	9.90 ^{02 03}	1.74				
23		10.5	10.50 ⁰⁰	10.5	10.55 ^{03 02}	1.50				
24		10.8	10.85 ⁰¹	10.9	10.80 ^{05 05}	1.50				
25		10.8	10.80 ⁰⁰	10.8	10.90 ^{12 12}	1.58				
26		10.8	10.85 ⁰¹	10.9	11.10	1.65				

assume wt. unit.

Monday September 16, 1918.

Scale R

Cat. 4° Square.

A3.

	σ scz	scz		P.189.	mean	Sig.
27	11.6	11.8	11.80^{+1}_{-1}	11.65	$11.68^{02\ 03}$	+1.41
28	11.8	11.7	11.75^{+1}_{-1}	11.75	$11.75^{00\ 00}$	1.51
29	11.7	11.8	11.75^{+1}_{-1}	11.80	$11.80^{05\ 05}$	1.73
30	12.2			12.00	12.10^{+1}_{-1}	1.60

Monday September 16, 1918.

Feble R

Cat- 4°

Square.

A3-

mc 6153

D

		pc. size	magw.
	1	12.2	9.72
	2	10.7	8.46
	3	10.9	8.62
	4	12.2	9.72 9.68
	5	7.0 ⁸ 7.2	9.70
	6	10.6	8.37
010-	7	11.6	9.20
04=	8	9.7	7.60
	9	10.9	8.62
	10	12.4	9.86
	11	12.3	9.76
	12	11.3	8.96
	13	12.7	10.15
	14	12.6	10.06
	15	11.8	9.34
	16	11.5	9.11
	17	12.6	10.06
	18	12.8	10.25
	19	12.2	9.72 9.68
	20	11.2	8.88
	21	12.1	9.68 9.58
	22	12.3	9.76
	23	12.5	9.96
	24	7.67.9	10.11
	25	13.2	10.68
	26	7.37.6	9.90

Monday September 16, 1918.

Scale R

Cat. 4° Square.

a3.

mc 6183

sc. 1 sc. 2 Magw.

h	27	13.2	10.68
h	28	11.1	8.79
h	29	12.0	9.50
h	30	10.2	8.02
h	31	10.6	8.37
h	32	12.0	9.50
h	33	12.5	9.96
	34	7.376	9.90
h	35	12.7	10.15
h	36	10.8	8.53
h	37	12.4	9.86
h	38	12.6	10.06
h	39	10.1	8.46
h	40	12.9	10.35
h	41	11.3	8.96
h	42	12.4	9.86
h	43	9.9	7.75
h	44	11.2	8.88
h	45	11.7	9.26
h	46	12.1	10.15
h	47	12.3	9.76 9.68
h	48	12.2	9.72 9.68
h	49	12.3	9.76
	50	7.578	10.03
h	51	11.6	9.20
h	52	12.6	10.06

42 dhl?

03=

Monday September 16, 1918.

Scale R Cat. 4° Square a₃.

mc 6183.

	sc.1	sc.2	Magw.
h 53	12.5	9.96	
h 54	11.7	9.26	
dbl { h 55	11.5	9.11	
h 56	12.8	10.25	
09= h 57	11.2	8.88	
h 58	10.7	8.46	
h 59	12.2	9.72	9.68
h 60	12.5	9.96	
h 61	11.3	8.96	
h 62	11.3	8.96	
h 63	8.184	10.48	
h 64	8.689	10.86	
h 65	12.4	9.86	
h 66	12.6	10.06	
h 67	12.3	9.76	
05= h 68	9.9	7.75	
h 69	11.2	8.88	
h 70	7.477	9.98	
h 71	12.6	10.06	
h 72	12.6	10.06	
h 73	13.0	10.46	
h 74	11.8	9.34	
h 75	12.9	10.35	
06= h 76	10.9	8.62	
h 77	12.1	10.15	
013= h 78	12.2	9.72	9.68

Monday September 16, 1918-

Scale R

Cat. 4°

Sq.

Q3.

mc 6183

	sc.1	sc.2	Mag.
✓ 79	12.7		10.15
✓ 80	12.7		10.15
✓ 81	12.3		9.76
✓ 82	12.7		10.15
✓ 83	11.4		9.04
✓ 84	11.7		9.26
✓ 85	11.7		9.26
✓ 86	11.3		8.96
✓ 87	11.6		9.20
✓ 88	12.0		9.50
✓ 89	12.8		10.25
✓ 90	11.6		9.20
✓ 91	12.3		9.76
✓ 92	12.3		9.76
✓ 93	11.5		9.11
✓ 94	10.8		8.53
✓ 95	11.8		9.34
✓ 96	12.2		9.72 ^{9.68}
✓ 97	12.3		9.76
✓ 98	12.7		10.15
✓ 99	12.9		10.35
✓ 100	12.7		10.15
✓ 101	12.6		10.06
✓ 102	13.0		10.46
103	79.82		10.32
104	82.85		10.54

Monday September 18, 1918.

Scale R Cat- 4° Square. A3.
mc 6183.

	sc.1	sc.2	Magn.
h 105		12.5	9.96
106	76.79		10.11
107	78.81		10.25
108	70.73		9.70
h 109		11.9	9.42
h 110		11.8	9.34
h 111		13.0	10.46
112	76.79		10.11
113	76.79		10.11
114	79.82		10.32
h 115		12.5	9.96
Var. A3c. 116	84.87		10.70
h 117		12.4	9.86
h 118		12.2	9.72 9.68
h 119		12.6	10.06
h 120		12.6	10.06
h 121		11.8	9.34
h 122		12.9	10.35
123	74.77		9.98
h 124		11.4	9.04
125	70.73		9.70
h 126		12.1	9.68
h 127		12.7	10.15
h 128		12.5	9.96
h 129		11.3	8.96
h 130		10.4	8.20

Monday September 16, 1918.

Scale R Cat. 4° Square. A3.
mc 6183

	sc.1	sc.2	Magn.
✓ 131		12.8	10.25
✓ 132		12.8	10.25
✓ 133		11.6	9.20
✓ 134		12.1	9.68
✓ 135		12.2	9.72 9.68
✓ 136		11.4	9.04
✓ 137		12.2	9.72 9.68
✓ 138		12.0	9.50
✓ 139		11.6	9.20
✓ 140		12.9	10.35
✓ 141		12.7	10.15
✓ 142		12.9	10.35
✓ 143		11.4	9.04
✓ 144		12.7	10.15
✓ 145		12.7	10.15
✓ 146		12.4	9.86
147	8.6	8.9	10.86
148	8.3	8.6	10.62
149	7.9	8.2	10.32
201 150	8.0	8.3	10.41
202 151	8.5	8.8	10.78
203 152	8.8	9.1	11.02
204 153	8.6	8.9	10.86
205 154	8.8	9.1	11.02
206 155		10.3	11.96
207 156	8.8	9.1	11.02

Monday September 16, 1918.

Scale R Cat- 4° Square. Az.
mc 6183.

	sc.1	sc.2	Magn.
208		10.6	12.21
209		10.6	12.21
210		10.6	12.21
211		9.8	11.57
212		10.4	12.04
213		9.6	11.41
214	8.9	9.2	11.11
215		10.0	11.73
216	8.9	9.2	11.11
217	8.9	9.0	10.94
218		10.6	12.21
219		13.1	10.56
220	9.0	9.3	11.18
221		9.7	11.49
222	8.8	9.1	11.02
223		10.3	11.96
224		9.9	11.65
225		9.5	11.34
226		9.4	11.26
227		10.2	11.89
228		10.6	12.21
229		9.8	11.57
230		10.6	12.21
231		9.8	11.57
232	8.8	9.1	11.02
233		9.8	11.57

dbl. p

Monday September 16, 1918.

scale r

Cat. 4^o Sq.

a3.

mc 6183

	sc.1	sc.2	Magn.
234		9.8	11.57
235		11.0	12.56
236	8.5	8.8	10.78
237		10.7	12.30
238		10.1	11.81
239	8.8	9.1	11.02
240		10.7	12.30
241	8.8	9.1	11.02
242		10.2	11.89
243		9.8	11.57
244		9.4	11.26
245		9.5	11.34
246	8.1	8.4	10.48
247	8.7	9.0	10.94
248		9.6	11.41
249		9.1	11.02
250	8.0	8.3	10.41
251	7.6	7.9	10.11
252		9.4	11.26
253	8.8	9.0	10.94
254		10.0	11.73
255		10.0	11.73
256		10.2	11.89
257		10.1	11.81
258		10.6	12.21
259		9.6	11.41

Monday September 16, 1918.

Jule R

Cat- 4° Square

a3.

mc 6183

	sci	scr	Magw.
260		9.8	11.57
261		9.8	11.57
262		10.8	12.39
263		9.4	11.26
264	8.9	9.2	11.11
265		10.4	12.04
266	8.2	8.5	10.54
267		10.1	11.81
268	8.7	9.0	10.94
269		9.9	11.65
270	8.2	8.5	10.54
271	8.6	8.9	10.86
272		10.6	12.21
273	8.4	8.7	10.70
274	8.4	8.7	10.70
275	8.6	8.9	10.86
276		9.4	11.49
277		11.0	12.56
278		10.2	11.89
279		9.6	11.41
280		10.1	11.81
281		9.6	11.41
282		10.5	12.12
283		9.8	11.57
284		9.6	11.41
285	8.5		10.54

dne dbl.

274 8.4 8.7
275 8.6 8.9

10.3

10.70
11.96
10.86

Tuesday September 17, 1918.

Scale B

Catalogues 4° square. A3.

9.55

mc 6183.

cont.

Bc.

Sequence.

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

sc.2 sc.2

1 B

ff.

2

9.8⁴

9.5

9.45 01

3

9.8

9.9

9.85 01

4

9.8

9.8

9.80 00

5

9.7

9.8

9.75 10

6

10.8

11.1

10.95 21

7

10.6

10.6

10.60 00

8

11.3

11.5

11.40 11

9

11.4

11.2

11.30 11

10 B.

11.4

11.3

11.35 01

11 B

B

11.4

11.4

11.40 00

12 7.0^{7.3}

6.9 7.2

7.25¹⁰

12.2

12.2

12.20 00

13 7.8^{7.1}

7.0 7.3

7.20¹¹

12.1

12.1

12.10 00

14 7.4^{7.7}

7.4 7.7

7.70⁰⁰

12.6

12.5

12.55 01

15 7.6^{7.9}

7.6 7.9

7.90⁰⁰

12.6

12.7

12.65 01

16 8.2^{8.5}

8.3 8.6

8.55¹⁰

13.1

13.1

13.10 00

17 8.4^{8.7}

8.4 8.7

8.70⁰⁰

13.2

13.2[?]13.20[?] 00
nearly sup.18 8.8^{9.1}

8.8 9.2

9.15¹⁰

13.4

13.4

13.40 00

19 8.9^{9.2}

8.8 9.1

9.15¹¹

13.5

13.5

13.50 00

20

9.3

8.9 9.2

9.25¹⁰

21

9.8

9.7

9.75¹¹

22

9.9

9.9

9.90⁰⁰

23

10.4

10.7

10.55²¹

24

10.8

10.8

10.80⁰⁰

25

10.9

10.9

10.90⁰⁰

26

11.0

11.2

11.10¹¹

Tuesday September 17, 1918.

Scale R

Catalogue 4th Square.

A3

mc 61863

	pc.2	pc.2	
27	11.6	11.7	11.65 ⁰¹
28	11.7	11.8	11.75 ⁺⁰
29	11.8	11.9	11.85 ⁰¹
30	12.0	12.0	12.00 ⁰⁰

1245

Tuesday September 17, 1918.

Scale R

Catalogue 4° Square.

A3.

	sc.1	sc.2	Magn.
286	8.790		10.94
287		10.8	12.39
h 288		13.2	10.68
h 289		12.7	10.15
290	8.891		11.02
291	8.386		10.62
291 ^a		10.1	11.81
292	8.588		10.78
293	8.689		10.86
294		9.8	11.57
295	8.689		10.86
296	8.689		10.86
297	8.588		10.78
298	8.689		10.86
299	8.588		10.78
h 300		13.0	10.46
301		9.4	11.26
302		9.2	11.11
303	8.689		10.86
304		9.5	11.34
305		9.9	11.65
306		9.9	11.65
307	8.891		11.02
308	7.780		10.18
309	8.083		10.41
310	8.083		10.41
311		9.6	11.41

Tuesday September 17, 1918.

Scale R. Catalogue 4° Square. A3.

MC 6183.

	sc.1	sc.2	Magn.	
f 312		13.1	10.56	
313	8.6 ^{8.9}		10.86	
314		10.2	11.89	
315	8.3 ^{8.6}		10.62	
316	8.8 ^{7.1}		11.02 [?]	combined light meas.
317		9.7	11.49	
318	8.4 ^{8.7}		10.70	
318a	8.3 ^{8.6}		10.62	
319	8.9 ^{9.2}		11.11	
320		9.7	11.49	
321		9.8	11.57	
322	7.7 ^{8.0}		10.18	
323	8.2 ^{8.5}		10.54	
324	7.6 ^{7.9}		10.11	
325	7.8 ^{8.1}		10.25 [?] q	
326	8.4 ^{8.7}		10.70	
327	8.2 ^{8.5}		10.54	
328	8.1 ^{8.4}		10.48	
329	8.7 ^{9.0}		10.94	
330	8.6 ^{8.9}		10.86	
331	7.9 ^{8.2}		10.32	
332		10.6	12.21	
333		10.2	11.89	
334	8.8 ^{9.1}		11.02	
335		10.6	12.21	
336	8.5 ^{8.8}		10.78	

Tuesday September 17, 1918.

Salle R

Catalogue
mc 6483

4° Square

A3.

	sec. 1	sec. 2	Magn.
337	8.2	8.5	10.54
338	8.8	9.1	11.02
339	8.8	9.1	11.02
340	8.0	8.3	10.41
341	7.7	8.0	10.18
342	7.6	7.9	10.11
343	8.6	8.9	10.86
344	8.7	9.0	10.94
345	8.3	8.6	10.62
346	8.8	9.1	11.02
347	8.3	8.6	10.62
348		10.3	11.96
349	7.5	7.8	10.03
350	8.5	8.8	10.78
351		9.5	11.34
352	8.3	8.6	10.62
353	8.8	9.1	11.02
354	8.9	9.2	11.11
355		9.7	11.49
356	8.2	8.5	10.54
357	8.7	9.0	11.41
358	8.8	9.1	10.94
359	8.6	8.9	11.02
360	8.2	8.5	10.86
361	8.8	9.1	10.54
362	8.8	9.1	11.02

Tuesday September 17, 1918.

Scale R

Catalogue 4° Square. A3-

mc 6183

	sc.1	sc.2	mag.
363	8.0	8.3	10.41
364	8.2	8.5	10.54
365	7.9	8.2	10.32
366	7.5	7.8	10.03
367		9.9	11.65
368		9.5	11.34
368a	8.9	9.2	11.11
369	8.7	9.0	10.94
370		9.6	11.41
371		9.7	11.49
372		9.7	11.49
373	7.8	8.1	10.35
374	8.7	9.0	10.94
375	8.6	8.9	10.86
376	7.4	7.7	9.98
no star	377		
378	9.0	9.3	11.18
379	8.3	8.6	10.62
380		9.5	11.34
381		9.6	11.41
382	7.9	8.2	10.32
383	8.9	9.2	11.11
384	8.4	8.7	10.70
385	8.5	8.8	10.78
386	8.8	9.1	11.02
387	8.6	8.9	10.86
388		10.5	12.12

Tuesday September 17, 1918.

Scale R

Cat. 4° Square

a 3.

mc 6183

	pc.1	pc.2	mag.
389		9.8	11.57
390	8.4	8.7	10.70
391	8.7	9.0	10.94
392	8.8	9.1	11.02
393	7.8	8.1	10.25
394	8.2	8.5	10.54
395	7.8	8.1	10.25
396	8.1	8.4	10.48
397	8.4	8.7	10.70
398	7.8	8.1	10.25
399		9.4	11.26
400		9.7	11.49
401	7.8	8.1	10.25
402	7.6	7.9	10.11
403	8.5	8.8	10.78
404		9.6	11.41
405	9.0	9.3	11.18
406		10.2	11.89
407		9.6	11.41
408	8.9	9.2	11.11
409	8.0	8.3	10.41
410	8.3	8.6	10.62
411	8.8	9.1	11.02
412	8.5	8.8	10.78
413	8.8	9.1	11.02
414	8.6	8.9	10.86

Tuesday September 17, 1918.

Scale R

Cat. 4° square.

a3.

mc 6183-

	sc 1	sc 2	Magw.
415	8.083		10.41
416	8.487		10.70
417		9.8	11.57
418		9.8	11.57
419	8.992		11.11
420		10.0	11.73
421	8.891		11.02
422		10.4	12.04
423	8.689		10.86
423a	8.487		10.70
424	8.588		10.78
425	8.689		10.86
426	8.790		10.94
427		9.3	11.18
428	7.780		10.18
429		9.4	11.26
430		9.6	11.41
431		10.4	12.04
432	8.992		11.11
433		10.3	11.96
434	7.881		10.25
435		9.5	11.34
436		10.0	11.73
437	8.487		10.70
438	8.689		10.86
439		9.2	11.11
440	7.881		10.25

196

Tuesday September 17, 1918.

Scale R Catalogue 4° square. A3.
mc 6183

	pc.1	pc.2	mag.
441		9.4	11.26
442	7.5	7.8	10.03
443		9.8	11.57
444		10.2	11.89
445	8.4	8.7	10.70
446	8.1	8.4	10.48
447		9.5	11.34
448		9.0	10.94
449	8.1	9.0	10.94
450	8.1	9.0	10.94
451		9.8	11.57
452		9.3	11.18
453		9.9	11.65
454		9.5	11.34
455	8.8	9.1	11.02
456	7.3	7.6	9.90
457		10.6	12.21
458		9.9	11.65
459	8.6	8.9	10.86
460		9.5	11.34
461	8.8	9.1	11.02
462	8.2	8.5	10.54
463		9.6	11.41
464		9.4	11.26
465	7.8	8.1	10.25
466	8.8	8.9	11.02

Tuesday September 17, 1918.

Scale R Catalogue 4^o Square. a3-
mc 6183

	sc.1	sc.2	Magn.
	467	7.9 ^{8.2}	10.32
	468	9.6	11.41
	469	8.6 ^{8.9}	10.86
	470	7.6 ^{7.9}	10.11
	471	8.4 ^{8.7}	10.70
edge	472	8.8 ^{9.1?}	11.02? q
"	473	7.7 ^{8.0?}	9.98? q
	474	7.6 ^{7.9?}	10.11? q
	475	7.5 ^{7.8}	10.03 q
	476	8.1 ^{8.4}	10.48
	477	9.9	11.65
	478	8.1 ^{8.4}	10.48
	479	9.8	11.57
	480	9.8	11.57
	481	8.5-8.8	10.78
all	482	8.4 ^{8.7}	10.70
	483	9.4	11.26
no star	484	—	—
	485	8.6 ^{8.9}	10.86
	486	9.4	11.26
	487	9.6	11.41
edge	488	9.3 q	11.18 q
	489	7.8 ^{8.1}	10.25
almost too faint to measure	490	7.6 ^{7.9}	10.11? q
fr	491	13.3	10.79
	492	7.6 ^{7.9}	10.11

198

Tuesday September 17, 1918

Scale R

Lectrologue 4° Square.

a3.

mc 6183

	sc1	sc2	Magw.
	493	127	10.15
	494	7.7 ^{8.0?}	10.18 ⁹
no slot	495	—	—
	496	8.6 8.9	10.86
	497	7.8 8.1	10.25
	498	8.4 8.7	10.70
	499	8.4 8.7	10.70
	500	7.7 8.0	10.18
	501	7.4 7.7	9.98
	502	7.8 ^{8.1}	10.25 ⁹
	503	8.1 8.4	10.48
	504	7.7 ^{8.0}	10.18
	505	8.6 8.9	10.86
	506	7.8 8.1	10.25
	507	8.2 ^{8.5}	10.54
	508	8.6 8.9	10.86
rej. defect	509	—	—
no slot	510	—	—
	511	7.6 7.9	10.11
	512	7.4 7.7	9.98
	513	7.3 7.6	9.90
	514	8.7 9.0	10.94
	515	10.6	12.21
	516	8.6 8.9	10.86
	517	8.8 9.1	11.02
	518	8.9 9.2	11.11

Tuesday September 17, 1918.

Scale R Catalogue 4° Square. A3.
mc 6183.

	sc 1	sc 2	Magn.
519	8.7	9.0	10.94
520	7.6	7.9	10.11
521	7.8	8.1	10.25
522	7.6	7.9	10.11
523	7.1	7.4	9.77
524	6.8	7.1	9.55
525	7.9	8.2	10.32
526		9.6	11.41
527	8.7	9.0	10.94
528	8.4	8.7	10.70
529	8.7	9.0	10.94
530	8.7	9.0	10.94
531	6.8	7.1	9.55
531a	7.6	7.9	10.11
532	8.4	8.7	10.70
f 533		12.8	10.25
534	7.1	7.4	9.77
535	8.9	9.2	11.11

Friday
Thursday September 19, 1918

Scale R Cat. 4° square.

B2. YELLOW

10:05 mc9444

Pic

Sequence	sc1	sc2	sc1	sc2
1	5.7		5.7	
2	6.5		6.4	
3	7.1			
4	6.4		6.4	
5	7.4		7.5	
6	7.6		7.6	
7	6.1		6.0	
8	8.5		8.4	
9	8.8		8.7	
10	8.7	9.1		9.3
11	7.6	8.0	8.0	8.1
12		10.4		10.4
13		10.3		10.4
14		10.4		10.6
15		11.3		11.4
16		9.4		9.7
17		10.6		10.7
18		11.6		11.7
19		12.7 ⁹		12.7
20		12.7 ⁶		12.6
21		13.3		13.4
22		13.4		13.3
w. mit.	23	17.2		12.2
ref. w.s.	24	13.8		12.6
	25	13.4		13.2
	26	14.0 ⁷		14.1

sc1 sc2

12.6 12.5

13.4 13.4

13.6⁹ q.

13.1 13.2

ms. ms.

ms. ms.

13.0 12.9

ms. ms.

~~Friday~~
~~Thursday~~ September 20th 1918

Scale R

Cat. 4° Square

B2

YELLOW

mc 9744

see see

m ± ns?

x ns.

29 ns.

30

Friday
Thursday September 20
9, 1915.

Scale R

Cat. 4⁺
Mc9744

Squaw.

B2-

YELLOW

Diff. Im

g

h

sc. 1 sc. 2

sc. 1 sc. 2

1	12.7	12.7
2	13.3	13.4
3	13.4 g	13.5 g.
4	13.2	13.2
5	f.	f.
6	f.	.
7	13.0	12.9
8	ns.	ns.
9	.	.
10	.	.
11	ns.	.
12	.	.
13	.	.
14	.	.
15	.	.
16	.	.
17	.	.
18	.	.
19	.	.
20	.	.
21	.	.
22	.	.
23	.	.
24	.	.
25	.	.
26	.	.

Friday
Thursday September 20th 1918.

Scale R

Cat. 4° square.

B2. YELLOW

mc 9744.

pc. 1 sec.	
f	1 13.4
	2 10.5
	3 11.3
	4 10.2
	5 11.6
	6 11.6
	7 11.4
	8 11.7
	9 8.5
	10 10.8
05.	11 7.5
	12 9.9
	13 7.6
	14 11.8
	15 10.6
	16 11.7
	17 10.6
	18 10.9
	19 10.6
	20 10.6
f	21 13.0
f	22 11.8
	23 8.1
f	23a 12.4
	24 7.6
f	25 12.9
	26 11.5

Friday
Thursday September 27, 1918.

Scale R

Cat. 4° Square.

B2.

YELLOW

sc1 sc2

27 10.9
28 10.7
29 9.6
30 9.6
31 9.4

32 6.4

33 7.7

34 10.6

35 10.6

36 11.3

37 8.6

38 9.9

39 12.0

dbl. or def? 40 10.2?

41 9.0

42 10.3

43 10.5

44 8.5

45 8.8

46 10.6

47 8.4

48 11.5

49 10.9

50 10.4

3 = 51 7.0

52 10.6

Friday
~~Thursday~~ September ²⁰ 19, 1918.

Scale R

Cat. 4° Square.

Bz.

YELLOW

mc 9744.

ac. 1 ac. 2

53	99
54	8.8
55	10.2
56	10.6
57	10.4
58	7.5
59	11.2
60	11.3
61	11.5
62	11.6
63	9.7
64	11.0
65	10.2
66	7.9
67	10.1
68	10.7
69	10.9
70	12.4
71	7.5
72	10.6
73	10.8
74	11.9
75	12.0
76	10.8
77	11.0
78	8.5

Friday
Thursday September 19, 1918.

Scale R

Cat. 4° Square.

~~B2~~ B2. YELLOW

Mc 9744 cont-

ac. 1 ac. 2

79 11.4

80 10.7

81 10.7

82 11.9

83 11.8

84 11.2

05 = 85 8.5

016 = 86 9.6

015 = 87 11.4

88 10.7

011 = 89 7.6

012 = 90 10.4

013 = 91 10.4

014 = 92 10.6

93 10.4

04 = 94 6.4

95 9.5

96 10.9

97 11.6 9.6

09 = 98 8.7

99 11.6

06 = 100 8.8

07 = 101 6.0

102 8.3

103 11.6

104 7.4

Friday September 20, 1918.

Scale 70

Cat. 4° Square.

B₂

YELLOW

mc 9744-

rc1 rc2

105 10.7

209a = 106 11.4

107 9.6

108 10.4

109 11.1

110 6.7?

close
dbl. comb. light meas.

111 11.8

112 9.9

113 7.4

114 9.8

115 7.4

116 11.4

117 6.9

118 9.2

fv 119 12.4

120 11.5

121 11.0

122 11.3

123 10.6

124 10.8

fv 125 12.3

fv 126 13.1

127 6.6

128 7.3

129 8.0

130 9.5

Friday September 20, 1918.

Scale R

Catalogue

4°

Square.

B2.

YELLOW

mc9744

pc.1 pc.2

131 8.5

132 11.2

133 7.7

134 9.5

135 8.0

136 10.7⁶

137 10.7

138 9.5

139 7.3

140 10.4

141 8.5

142 8.5

143 11.7

144 8.0

145 8.4

146 10.6

01- 147 12.7

148 11.5

149 9.8

150 10.3

151 11.2

152 10.9

153 11.6

154 10.9

155 10.1

156 7.6

Friday September 20, 1918.

Scale R

Catalogue 4° Square
mc 9744B₂ YELLOW

mc.1 mc.2

157 10.21

158 10.0

159 8.0

160 9.5

161 8.8

162 10.3

163 11.4

164 9.8

165 9.7

166 9.6

167 9.8

168 10.4

169 10.9

170 10.7

Edge 171 87.9g

h 172 12.7

h 173 12.9

h 174 12.6

175 8.6

176 —

no star 201 —

202 11.5

203 11.7

no star 204 —

no star 205 —

Friday September 20, 1918.

Scale R Cat- 4^o square. B2. YELLOW

mc9744-

sc.1 sc.2

206

207

11.7

208

—

209

10.7

209a

11.6

210

—

211

12.0

212

11.8

213

—

214

—

215

11.7

216

—

217

12.2

218

—

219

11.7

220

10.6

221

—

222

11.5

223

11.8

omit? 224

10.4

225

12.3

226

11.8

227

11.5

omit?

227a

12.4

228

11.6

229

—

230

9.4

231

10.5

Friday September 20, 1918

Scale R Cat- 4° Square. B₂. YELLOW

sc.1 sc.2

stars	232	
	233	
	234	
	235	
	236	
	237	
	238	11.3
	239	—
	240	9.7
	241	11.7
	242	10.4
	243	—
	244	10.8
	245	—
	246	—
	247	10.9
	248	11.3
	249	9.8
	250	8.3
	251	10.7
	252	12.2
	253	11.7
	254	12.3
to	255	12.5? dbl.
	256	11.6
428 =	257	11.4

only brighter of 2 comp. meas. other t.f.

Friday September 20, 1918.

Scale R

Cat- 4° Sq. B2.

YELLOW

mc9744

	sc.1	sc.2
	258	11.5
	259	11.6
	260	12.3
	261	9.8
	262	10.3
	263	12.2
	264	10.2
	265	11.8
	266	11.8
	267	11.7
	268	7.7
	269	7.7
p	270	11.7
	271	12.3
	272	12.3
	273	9.9
	274	10.6
p	275	12.6
	276	6.9
	277	11.8
	278	11.4
	279	10.7
	280	9.4
	281	11.7
	282	11.6
	283	11.3

too dark to continue. Light changing during meas.

Friday September 22, 1918.

Scale 7R

Cat. 4° square.

YELLOW

mc9744

no. no.

284

116

285

10.8

288

12.1

301

Saturday September 21, 1918.

Scale R

945

Catalogue 4^o Square. B₂.

mc9744

YELLOW

P.C.

	sc.1	sc.2	sc.1	sc.2
1	5.5		5.6	
2	6.8		6.6	
3	7.0		7.1	
4	6.4		6.5	
5	7.5		7.4	
6	7.6		7.6	
7	6.0		6.3	
8	8.3		8.5	
9	8.7		8.7	
10		9.3	8.7	
11	7.6		7.8	
12		10.3	10.4	
13		10.3	10.3	
14		10.4	10.4	
15		11.3	11.3	
16	9.0		9.5	
17		10.6	10.6	
18		11.7	11.7	
19		12.6	12.6	
20		12.7	12.7	
21		13.2	13.3	
22		13.2	13.4	
23		12.0	12.0	
24		12.3	12.4	
25		13.2	13.3	
26		14.0?	14.0?	
27		ns.		

sc.1	sc.2	sc.2
	12.6	12.6
	13.2.	13.3
	13.4?	13.4?g
	13.3	13.4
	ns.	ns.
	ns.	ns.
	13.0	12.9

Saturday September 21, 1918

Scale R

Catalogue 4° square.

B₂-

YELLOW

mc9444.

g

h

sc1 sc2

sc1 sc2

1

12.4

12.6

2

12.7

13.1

3

g

13.4

4

13.3

13.2

5

ns

ns.

6

ns

ns

7

12.8

12.8

8

ns

ns.

9

10

A

12:20

Saturday September 21, 1918.

Scale B

Catalogue 4^o Square.

B2.

YELLOW

mc9444

301	pc.1	pc.2
302 ¹		12.5
302		12.7
303		12.4
304		11.3
305		12.1
306		12.0
307		11.7
no star 308		12.3
309		12.3
310		13.0
311		11.6
312		12.6
313		13.2
314		11.6
315		12.2
316		12.4
no star 317		—
318		12.5
319		12.7
319 a1 —		12.6
320		12.5
321		11.3
322		13.0
323		12.5
324		12.6
325		12.0
326		11.8

Saturday September 21, 1918.

Scale R Catalogue 4° Square. B2-

mc 9744

YELLOW

sc.1 sc.2

327	12.4
327.2	12.6
328	12.8
329	12.4
330	12.5
331	11.7
332	12.5
333	13.5
334	11.8 } dbl.
335	13.6 ?
335.2	11.5
336	13.0
337	12.8
338	12.5 12.0
339	12.3
340	12.4
341	13.4
342	12.6
343	—
344	13.0
345	12.7
346	12.8
347	12.9
348	12.7
349	12.4
350	12.2
351	12.6
352	12.7
	11.7

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Saturday September 21, 1918.

Scale R

Calatogues 4° Square. B.

YELLOW

mc 9744

sc.1	sc.2
353	10.8
354	13.1
355	13.1
356	12.4
357	11.4
358	11.8
359	12.1
360	12.5
361	12.4
362	12.4
363	12.0
364	12.6
365	12.4
366	12.4
367	11.8
368	11.7
369	12.6
370	11.5
371	12.7
372	12.0
373	12.8
374	12.1
375	12.0
376	12.9
377	13.4
378	13.5

Saturday September 21. 1918.

Scale R

Catalogues 4th SquareB₂

YELLOW

mc 9744.

sc.1 sc.2

	379	12.8
no star?	380	—
	381	13.5
	382	12.7
	383	12.6
	384	12.8
	385	13.1
	386	12.8
	387	9.9
	388	9.5
	389	11.4
	390	12.3
390a	390	11.9
	391	11.8
	392	12.8
	393	11.8
	394	11.9
	395	12.4
	396	11.7
	397	11.9
	398	11.6
	399	12.2
	400	12.6
	401	12.6
	402	12.5
	403	13.1
	404	12.2

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YELLOW

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