KG
11365
753

KG11365.753

KG 11365.75.3

HARVARD
UNIVERSITY
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JUL 17 1956

(Thurs) June 18, 1908.

L.C. Obs. Bridgewater Mass

Telescope arrived today, but could not get it ready for use.

(Friday) June 19, 1908

L.C. Obs. B.W. Mass.

Mounted telescope today & made a preliminary attempt to adjust same.

(Sat) June 20, 1908

L.C. Obs. Bridgwtr Mass

SS Cygni 213843 est 5'' = 11.5

1 432
20

(Monday) June 22, 1908

L. C. Obs. Bridgwtr.

Too hazy to observe

Final adjustment made of telescope between haze and clouds.

(Thursday) June 25, 1908

8118 6

LC Obs. J.D.   Bidgerto

8 00 Mounted telescope

8 30 Sky clouding over

9 00 Too cloudy to observe now

9 15 Clearer now, will try to work

9 20 R Leonis 094211 est. = 10.0

9 42 +11.4
15 42
6 0 W

6 ; 8 W
15 ; 50
+11.4

W Leonis 104814 est 9.0

9 23 10 44 +14.2
15 51
5 7 W

5 : 4 W
15 : 53
+14.0

V Leonis 095421 est 9.0

9 26 9 50 +21.4
15 54
6 4 W

15 : 56
+9.4
6 3 W

8118 6

June 25, 1908

093178 Y Draco est 8.6

9 32 — 9 27 +78.6 — 6:31 w
16 00 — 16: 2
6 33 w — +79.0

X Urs Maj 083350 est 11.7
7:34 w

8 30 +50.0
9 37 — 16 4 — 16: 7
7 34 w — +50.9

X Camelop 043274 est 9.0
11:40 w

4 30 +73.2 — 16 12
9 42 — 16 8 — +74.2
11 38 w

S Camelop 053068 est 9.0

5 26 +67.4 — +67.0
9 50 — 16 14 — 16: 20
10 48 — 10:50 w

S Lyncis 063558 est 11.3

6 37 +57.4 — 16.25
9 55 — 16 22 — 9:40 w
9 45 — +57.4

June 25, 1908

R Ursa Maj 103769 est 11.4

10 35 +69.0
10 00 16 28
5 53 W

5:53 W
16:30
+68.5
B

T Ursa Maj 123160 est 11.0

12 25 +59.4
10 5 16 32
4 07 W

4:4 W
16:35
+60.5

S Ursa Maj 123961 est 11.5

10 6

3:57 W
16:36
+61.5

10 7 RS Ursa Maj 123459 Var N.S. <12

R Camelop 142584 est 11.2

15 0 +84.4
10 12 16 39
1 39 W

2:10 W
16:42
+84.8

S Bootis 141954 est 10.8

14 15 +54.0
10 16 16 43
2 28 W

2:27 W
16:46
+54.9

8118 6

June 25 1908

β Urs: Min: 153378 est 7.5

15 30 +78.0 16.52
10 22 16 48 1.19 w
1 18 w +78.3

R Comae 115929 est 8.3

4.59 w
11 57 +20.2 16.58
10 28 16 54 +19.4
4 57 w

10 30 Clouds coming again

15 44.7 L.P.P.
1 21

Thur. June 26, 1908

8119 6

L.C. Obs. J.D. [illegible]

R Corvi 121418 est 7.8

3:30 W
12 18 − 1 15:44
9 10 15 40 −18.4
3 22 W

RT Virg. 125705 est 8.5

2:54 W
12 55 − 50 15:51
9 17 15 48 −52
2 53 W

T Virg 120905 est 12.0

12 5 − 4.8 3:49 W
9 23 15 54 15:57
3 49 W −4.4

RU Virg 124204 est 8.0

3:20 W
12 40 +4.6 16:2
9 28 16 00 +4.5
3 20 W

Y Virg 122803 est 11.5

9 32 12 24 −3.4 16:6
16 4 −3.0
3 40 W 3:37 W

June 26, 1908

9 34 R Virg 123307 est 7.0 = [illegible]

9 35 R Hydrae 132422 est 5.5 = [illegible]

9 36 R Coronae 154428 est 5.8 = [illegible]

~~R~~ U Virg 124606 est 10.2.

12 46 + 7.0 16:14
9 40 16 12 3: 28 w
3 26 w + 6.4

S Virg. 132706 est 12.0

2:50 w
9 44. 13 25 -5.4 16:18
16 15 -5.8
2 50 w

S S Cygni 213843 est 12.0
16:38
10 4 5:0 E
+42.4

R Bootis 143227 est 7.6

10 8 14 38 + 27.0 16:42
16 40 2:10 w
2 2 w + 27.2

June 26, 1908

S' Serp. 151714 est 9.5

10 12 15 17 +14.4
16 43
1 26 w

16:45
1:28 w
+14.2

R Serpen. 154615 +7.9. est 6.3

10 17 ~~15 4~~

16:50

R Herc 160118 est 11.0

10 21. 16 2 +17.0
16 52
0 50 w

16:54
0:55 w
+18.8

162119 U Herc est 9.6

10 24 16 16 +18.6
16 55
0 39 w

16:57
0 36 w
+19.2

T Herc 180531 est 8.7

10 28 18 5 +31.4
17 0
1 5 E

17:1
1:3 E
+31.8

June 26, 1908

8119 6

S Coronae 151731 est 10.9

10 32
15 16 +32.0
17 3
1 47 w

17 5
1 50 w
+30.8

8119.7
V Bootis 142539 est 10.8

10 37
14 26 +38.5
17 7
2 41 w

17:10
2:46 w
+39.4

X Coronae 154036 est 12.1

10 41
15 46 +35.8
17 12
1 26 w

17:14
1:30 w
+36.2

V Coronae 154639 est 10.6

10 44
15 46 +39.2
17 15
1 29 w

17 17
1:30 w
+39.8

8119.7
W Coron. 161138 est 8.5

10 49
16 9 +38.4
17 18
1 9 w

17 22
1 11 w
+38.8

8119 17

June 26, 1908

W Her 163137 est 12.0

10 54 16 31 +38.0
17 23
0 52 W

17:27
0:56 W
+37.4

U Serp 160210 est 9.5

10 58 16 1 +10.0
17 28
1 27 W

17:31
1:29 W
+10.2

T Oph 162815 est 11.5

11 4 16 26 −15.8
17 33
1 7 W

17:37
1 9 W
−15.6

Z Oph 171401 11.0 est

11 8 17 14 +1.0
17 39
0 25 W

17 41
0:27 W
+1.4

RY Oph 181103 est 8.5

11 12 18 9 +3.0
17 43
0 26 E.

17:45
0:26 E
+3.4

June 26, 1908

8119 6

R Cygni 193449 est 7.6

11 18
19 32 + 49.8
17 48
1 44 E

17 51.0
1 44 E
+ 50.0

R T Cygni 194048 est 6.5

11 22
19 40 + 48.2
17 53
1 47 E

17 55
1 45 E
+ 48.6

W Draco 180565 est 10.9

11 26
18 3 + 65.5
17 56
0 7 E

17 59
0 6 E
+ 65.8

X Draco 180666 est 11.2

11 27

3(4)8 18 05
21 0 6 E
+ 66.4

L. P. P.

8119 8

Tues June 30, 1908.

8123 6 L.C. Obs ~~D~~ 8123 Bridgiots

SS Cygni 213843 est 11.8

~~18:3 E~~

8 48 15:42

+43.6

5:57 E

SS Virginis 122001 est 7.7

8 52 12 20 +1.5 3:26 W
15 45 +1.8
3 25 W 15:47

T Can Ven 122532 est 8.8

12 24 +32.2 3:28 W
8 56 15 48 +31.7
3 24 W 15:51

U Bootis 144918 est 10.4

14 49 +18.1
15 56 1:8 W
9 3 1 7 W +18.4
15:58

S Librae 151520 est 9.0

15 10 -20.4 0:55 W
9 15 16 00 16:10
0 50 W -20.2

8123 6

June 30, 1908

135908 R R Virg. est 11.2

9 20
13 57 -84
16 12
2 15 w

2:15 w
16:15
-8.6

140113 Z Bootis est 10.8

9 25
14 0 +13.3
16 16
2 16 w

2:19 w
16:20
+13.8

134440 R Can Ven. est 11.9

9 30
13 40 +39.5
16 22
2 42 w

2:44 w
+40.8
16:25

RT Librae 150018 est 9.0

9 34
14 58 -18.5
16 27
1 29 w

16:29
1:29 w
-18.8

RS Librae 151822 est 9.0

9 39
15 14 -22.4
16 30
1 16 W

-22.8
16:34
1:16 w

8123 6

June 30, 1908

	150605 Y Librae est 10.3		
9 45	15 04 16 36 1 32 W	-5.2	16:40 1:36 W -5.8
	152714 RU Librae est 8.5		
9 57	15 28 16 42 1 14 W	-14.3	16:46
	X Scorpii 160221a est 11.0		
9 56	16 0 16 47 0 47 W	-21.4	16:51 0:49 W -21.9
	160524 RX Scorpii est 10.7		
10 3	16 4 16 52 0 48 W	-24.4	16 58 0 53 W -23.6
	161122a R Scorpii est 10.1		
10 7	16 9 16 59 0 50 W	-22.6	17 2 0 51 W -22.3
	161122b S Scorpii est 11.8		

8123 6

June 30, 1908

	162319	Y Scorpii est 9.9	
10 15	16 21	-20.0	17.10
	17 3		
	42		
	162112 V	Oph. est 10.2	
10 21	16 20	-12.4	17.16
	17 12		-12.0
	0 52 w		0 55 w
	160625	RU Herc est 10.1	
10 30	16 4	+25.9	17.25
	17 20		1.20 w
	1 16 w		+25.4
8123.7	171723	RS Herc. est 10.2	
10 36	17 18	+23.1	17.31
	17 26		0 14 w
	0 8 w		+23.9
	174406	RS Oph est 11.4	
10 41	17 44	-6.2	17.36
	17 32		0 9 E
	0 12 E		H -6.8

June 30.1908

8123 7

182306 T Ser. est <12.0

10 48 18 20 +6.0 17:43
17 38 0:40 E
0 42 E +6.6

183308 X Oph est 6.8 +8.9

1050

181136 W Lyrae 9.5

18 12 +37.0 17 52
10 57 17 48 0:20 E
0 24 E +36.6

185634 Z Lyrae est 10.6

18 52 +34.4 18 00
11 5 17 54 0:55 E
0 56 E +35.0

191350 TZ Cygni est 9.0

19 10 +50.4 18 6
11 11 18 02 1.8 E
1 8 E +50.8

June 30, 1908

8123 7

191637 U Lyrae est 12.2

11 17	19 14 18 9 1 5 E	+36.8		18:12 1:4 E +37.4

191717 T Sagitt est 9.4

11 21	19 16 18 13 1 3 E	+17.5		18:16 1:00 E +17.7

190108 R Aquilae est 12.0

11 27	19 0 18 18 0 42 E	+8.0		18:22 0 40 E +8.8

163266 R Draco est 11.7

11 35	16 28 18 24 1 56 W	+67.4		18:30 +67.2 1:58 W

19~~0~~10 33 RY Sag est 7.6

11 40	19 8 18 32 0 36 E	−33.6		18:35 0:34 E −33.8

June 30, 1908

8123 7

200212 SY Aquilae est 9.0

20 0 +12.5
11 46 18 37
1 23 E
18:41
+12.9
1:20 E

S Lacertae 222439 est 9.0

22 24 +39.4
11 51 18 43
3 41 E
+39.8
18:46
3:40 E

223841 R Lacertae est 10.8

22 37 +41.0
11 55 18 47
3 50 E
18:50
3:48 E
+40.4

(190967) U Draco est 11.5

19 9 +67.6
12 3 18 52
0 17 E
18 58
0:10 E
+67.2

S Cass 011272 est 8.0

12 11 25 8 +72.4
19 0
6 8 E
19:6
6:0 E
+73.4

June 30, 1908

8123 7

T Cephei 210868 est 5.6 FFg

12 13

N S Herc 162807 est 9.4

12 22 16 26 +6.9 19:17
19 12 +7.5
2 46 W 2:49W

V Delphini 204318 est f2.2g

12 29 20 43 +18.5 19:27
19 20 1:16 E
1 23 E (f2c²2g) +18.9
b 4a 5c 4d 3e, f4g 6h4k3l

χ Cygni 194632 HFg = 6.0

1234

39 517
1 22 P. P. Ledg.

Sunday, July 5, 1908

8128 6 L.C. Obs. J.D. 8128 Bridgw. to Mass.

SS Cygni 213843 est 11.7

9 52	21 37 +43.6 17 0 4 37 E		17 3 +42.8 4 : 34 E

210382 X Cephei est 11.5

9 59	21 8 +81.4 17 8 4 0 E		17 10 +82.4 4 : 1 E

213678 S Cephei est 7.6 [illegible]

10 2

213753 RU Cygni est 7.5 [illegible]

10 5

215934 RT Pegasi est 11 6

10 11	21 57 +34.6 17 17 4 40 E		17 : 22 +34.0 4 : 35 E

July 5, 1908

	190819a RW Sag. est 9.0			
10 17	19 8 - 19.0 17 24 1 44 Σ			17:28 - 19.2 1:44 Σ
	190818 RX Sag. est 10.6			
10 20				17:31 - 18.8 1:40 Σ
	R Sagittarii 191019 est 7.0			
10 26	19 8 - 18.8 17 34 1 34 Σ			17:37 - 19.0 1:31 Σ
	S Sagittarii 191319 est 10.0			
10 30	19 12 - 19.0 17 38 1 34 Σ			- 19.2 17 41 1:32 Σ
8128.7	191321 Z Sagitt. 9.1			
10 36	19 11 - 21.4 17 44 1 27 Σ			- 20.8 17:47 1:28 Σ

July 5, 1908

7

W Aquilae 191007 Est 9.5

19 8 −7.4
10 43 17 50
1 18 E

−7.6
17 54
1 16 E

191017 T Sagittarii est 7.5

19 10 −17.4
10 49 17 56
1 14 E

1 10 E
−16.8
18 00

193311 RT Aquilae est 10.7

19 30 +10.2
10 57 18 04
1 26 E

+11.8
18 8
1 24 E

193509 RV Aquilae est 7.2

19 37 +8.6
11 3 18 16
1 27 E

+9.8
18 14
1 20 E

195202 RR Aquilae est 9.6

11 14 19 48 −2.4
18 18
1 30 E

18 22
−2.8
1 30 E

July 5 1908

200715 a S Aquilae est 98

11 21 — 20 5 + 15.0 — +15.4
18 25 — 18:29
1 40 E — 1:40 E

200906 Z Aquilae est 104

11 27 — 20 7 −6.4 — −6.9
18 32 — 18:34
1 35 E — 1:33 E

R Delphini 201008 est 78

11 34 — 20 10 + 8.5 — +8.8
18 38 — 18:42
1 32 E — 1:27 E

U Cygni 201647 est 7.0 [illegible]

11 38

202539 RW Cygni est 82

11 44 — 20 22 + 37.8 — +40.2
18 48 — 1:30 E
1 34 E — 18:52

July 5, 1908

	202954	S' T Cygni 9.0 = est		
11 54	20 27 18 57 1 30 E	+53 0		+54.8 19 2 1:28 E
	204846	RZ Cygni 9.8 = est		
12 2	20 46 19 6 1 40 E	+47 4		+46.8 19 10 1: 38 E
	205923	R Vulpec. est 8.5		
12 8	21 2 19 12 1 50 E	+22 0		+23.4 19 16 1:43 E
	203816	S' Delph est 9.1		
12 16	20 36 19 19 1 17 E	+16.0		+16.4 19 24 1:12 E
	204016	T Delphin 10.1 = est		
12 22	20 40 19 25 1 15 E	+16.8		+17 0 19 30 1:18 E

July 5/1908

RT Capric 201121 est 7.5 [illegible]

12 27

204405 T Aquarii est 8.1

12 36 20 44 −5.5 −5.8
19 39 19.44
1 1E 1 00E

141567 U Ursae Minoris est 11.0

12 47 14 17 +67.5 +68.6
19 47 19.55
5 30 W 5.45 W

8128.8 V Delphini 204318

est Var f0.2f'
20 43 +18.5 +18.6
13 00 20 00 b5a5c6d4e3f 20 10
0 43 E f2f'3g5h6k4l 0.32E

29 L.P.P. 546
22

(Friday) July 10, 1908

8133 6 L.C. Obs JD 8133

	093178	Y Draco.	est 9.2	
	9 32	+78.8		6 : 38 w
8 40	16 00			16 8
	6 28	w		+79.0
	103769	R Urs Maj	11.2 est	
	10 34	+69.2		5 40 w
8 50	16 10			16 18
	5 36 w			+68.8
	115919	R Comae	9.1 est	
				4 26 w
8 58	11 57	+20.2		16 26
	16 20			
	4 23 w			+19.4
	T Virginis	120905	est 11.1	
				4 : 25 w
	12 6	-5.0		16 34
9 6	16 30			-4.8
	3 24	w		
	Y Virg	122803	est 11.8	
				4 : 10 w
9 10	12 22	-3.2		16 38
	16 35			-3.2
	4 13	w		

8133 6

July 10, 1908

123307 R Virginis est 7.5

9 16
12 33 +6.8
16 40
4 7 w

4 : 12 w
16 44
+7.2

124204 RU Virg. est 8.6

9 22
12 42 +4.6
16 45
4 3 w

4 : 6 w
16 50
+4 [illegible]

124606 U Virg. est 10.0

9 32
12 44 +6.2
16 52
4 8 w

4 : 8 w
17 00
+6.2
[illegible]

125705 RT Virg. est 8

9 40
12 55 +5.0
17 02
4 7 w

17 8
+5.6
4 : 11 w

141954 S Bootis est 11.1

9 48
14 17 +52.8
17 10
2 53 w

17 16
+54.8
3 : 0 w

8133 6

July 10, 1908

142539 V Bootis est 10.0

	14 25 + 39.2		2: 57 W
9 54	17 18		17 22
	2 53 W		+ 39.4

153378 S' Urs Min. est 8.2

			1: 52 W
9 58	15 31 + 78.2		17 26
	17 23		+ 77.6
	1 52 W		

154615 R Serp. [illegible] est 7.0

			+
10 00			

160150 RR Herc est 8.3

10 10	16 0 + 50.2		17 38
	17 30		+ 50.9
	1 30 W		1: 38 W

161138 W Coronae 8.3 = est

			1: 33 W
	16 10 + 38.2		17 45
10 17	17 40		+ 39.0
	1 30 W		

8133 6

July 10, 1908

162807 SS Herc est 10.2

1:22 w

10 22

16 26 +7.0
17 46
1 20 w

17 50
+7.4

180531 T Herc est 9.3

0:7 E

10 30

18 3 +30.6
17 53
0 10 E

17 58
+31.3

8133.7

181103 RY Oph. 8.4 = est

0:0

10 42

18 7 +3.0
18 0
0 7 E

18 10
+3.6

193449 R Cygni est 8.0

1:16 E

10 50

19 32 +49.9
18 12
1 20 E

18 19
+49.6

19 565 P.P.
22

Sun July 12 1908

8135 6 L.C. Obs J.D. 8135

S S Cygni 213843 est 11.8

8135 6

21 37 +436 4: 12 E

9 ×9 17 20 17 :25

4 17 2 +43.0

1 566

22 L P P.

Wed. July 15, 1908

8138 6 L C Obs. J.D. 8138

R Hydrae 132422

8 15 Hlg. est 5.6

R Coronae 154428

8 18 Hlg est 5.8

SS Cygni 213843 est 12.0

21 37 + 43.6 16 15

8 25 16 12

.5 25 E

T Cephei 210868 est 6.0 Hlg

8 28 .

T Ursa Maj. 123160 est 11.9

12 23 +59.5 16 22

8 32 16 20 3 50 W

3 57 W +60.8

July 15, 1908

8138 6

S Urs Maj 123961 est 9.4

8 34

3 45 w
16 24
+62.4

RS Urs Maj. 123659 < 12.0

8 36

16 26
3 52 w
+59.8

S Coronae 151731 est 11.0

8 42

15 15 +31.9
16 28
1 13 w

1:15 w
16 32
+32.2

R Herc 160118 est 11.3

8 48

16 2 +17.5
16 34
0 32 w

16:38
+19.0
0:36 w

U Herc 162119 est 9.0

8 57

16 15 +19.5
16 40
0 25 w

0:25 w
16 47
+19.8

8138 6

July 15, 1908

163137 W Herc. est 11.0

9 5 | 16 30 +37.2
16 50
0 20
16 35
+38.0
0.25 w

143227 R Bootis est 7.5

9 15 | 14 30 +27.0
16 58
2 28 w
2.33 W
17 5
+27.6

151714 S Serp. est 9.0

9 22 | 15 17 +14.2
17 7
1 50 w
1.55 w
17 12
+14.8

154536 X Coronae est 10.6

9 30 | 15 43 +36.2
17 14
1 31 w
+37.0
17.20
1.35 w

V Coronae 154639 est 11.1

9 37 | 15 46 +39.0
17 22
1 36 w
17.29
+39.6
1.41 W

July 15, 1908

8138 6

Z Coronae 155229 Est 12.0

15 50 +29.0 — 1:43 w
9 46 17 30 — +29.8
1 40 w — 17:36

160210 U Serp est 10.1

9 55 16 0 +10.0 — +10.6
17 38 — 17:45
1 38 w 1 — 1:45 w

162815 T Oph est 11.8

16 26 −15.2 — 1:20 w
10 02 17 46 — −15.0
1 20 w — 17 50

200514 R Capric est <12.1

20 3 −14.0
17 53 — −14.4
10 8 2 10 E — 17 58
2:07 E

200906 Z Aquilae est 10.1

20 7 −6.2
10 18 18 0 — −6.8
2 7 E — 18 8
2 1 E

8138 6

July 15, 1908

201437b W X Cyg. est 12.1

10 28
20 12 +37.8
18.12
2 0 ε

+37.6
18 18
1:57 ε

204102 V Aquarii est 8.6

10 34
20 42 +2.4
18 20
2 22 ε

+2.2
18:24
2:17 ε

8138.7

204104 W Aquarii est 11.1

10 42
20 40 −4.0
18 25
2 15 ε

18 32
−4.4
2:10 ε

001755 T Cass est 8.5

8138 7

10 49
24 17 +56.2
18 34
5 43 ε

5 40 ε
18 39
+55.2

004958 W Cass est 9.0

10 56
24 49 +59.2
18 42
6 7 ε

23 Z
529 24
L.P.P.

6 0 ε
+58.4
18 46

(S.m.) July 26, 1908

8149 6 L.C. Obs J.D. 8149

	SS Cygni	213843 est	9.0	
8 23	21 37 16 50 4 47 E	+43.6		16:53 4:45 E +42.8
	124606 U Virginis est 11.3			
8 28	12 48 16 55 ~~5 53~~ 4 7 W	+5.2		16 58 +5.8 4:12 ~~E~~ W
	R Virg	123307 est 8.6		
8 31 —	12 33 17 03 4 30 W	+7 4		17 5 4 33 W +8.0
	115919 R Comae est 8.3			
8 39	12 0 17 6 5 6 w	+20 2		17:9 5:10 w +21.6
	SS Virginis	122001 est 74		
8 44	12 20 17 10 4 50 w	+1.4		7 14 4 52 W +1.0

July 26, 1908

8149 6

	122532	T Can Ven 10.1 = est		
8 5.0	12 23 17 16 4 53 W	+ 318		17 20 +324 4 53 W
	150018	RT Librae est 10.0		
8 55	15 0 17 22 2 22 W	-18.2		17 25 -18.8 2 26 W
	150605	Y Librae est 91		
8 59	15 6 17 26 2 20 W	-5.2		-5.4 17 29 2 23 W
	151520	S Librae est 80		
9 5 -	15 17 17 30 2 13 W	- 198		17 35 2 20 W -20 4
	151822	RS Librae est 79		
9 12	15 17 17 37 2 20 W	-22		17 42 -228 2 25 W

July 26, 1908

8149 6

	155823	RZ Scorp	est 10.4	
9 18	15 58 17 45 1 47	-23 2 W		17.48 -23.6 1:50 W
	152714	RU Librae	est 9.5	
9 23	15 27 17 50 + 2 23	-14 2 W		17:53 -14.8 2:26 W
	160221	X Scorpii	10 3 = est	
9 28	16 0 17 55 1 55 W	-21.2		17:58 -22.4 1:56 W
	160519	W Scorp	est 10.5	
9 35	16 3 18 00 1 57	-19 2 W		-19.8 18 5 2:0 W
	160524	RX Scorp	10.0 = est	
9 40	16 6 18 6 2 0 W	-24.8		-23.8 18 11.0 2 7 W

8 149 6

July 26, 1908

	154615	R Serpent	est 7.8	FZg
9 43	~~t5~~			
	161607	W Oph	est 9.8	
9 50	16 14 18 16 2 2	-7 2		-7.8 18 20 2 6w
	162112	V Oph	10.8 est	
9 45	16 21 18 21 2 0	-12.8		2 6w 18:25 -12.6
	162319	S Scorp	est 9.6	
10 2	16 23 18 28 2 5w	-19.0		-19.4 18 32 2,8w
	160150	RR Herc	est 8.0	FZg
10 5	~~#6~~			

8149 6

July 26 1908

134440 R Can Ven est 12.0

10 15 | 13 40 +39.4 | +40.0
18 40 | 18 45
5 0 W | 5 0 W

093178 Y Draco est 9.7

10 25 | 9 31 +79.2 | +79.6
18 48 | 18:55
9 17 W | 9 20 W

141567 U Urs Min est 10.5

10 32 | 14 15 +67.2 | +68.0
18 58 | 19:02
4 43 W | 4:50 W

8149.7

021281 Z Cepher est 9.0

10 40 | 26 10 + 81.4 | +80.2
19 4 | 19 10
7 6 E | 7:0 E

8149 7

162807 SS Herc est 11.4

10 45 | 16 26 +70 | +7.8
19 12 | 19 15
2 46 W | 2:48 W

8149 7

July 26, 1908

	160625	RU Herc est 8.9	
10 50	16 6 + 25.2 19 16 3 10 W		19:20 +24.8 3 12 W
	161138	W Coron. est 8.1	
11 00	16 10 + 38.8 19 24 3 14 W		+ 38.2 19 30 3 20 W
	182224	SV Herc est 10.1	
11 6	18 22 + 24.4 19 32 1 10 W		19:36 + 24.8 1:13 W
	183308	X Oph est 7.1	FLy
11 8			
	183225	RZ Herc. est 9.4	
11 16	18 32 + 25.8 19 42 1 10 W		+ 26.0 19:46 1 13 W

8149 7

July 26, 1908

190819 RW Sag. 8.8 est

11 23
19 10 − 18.8
19 50
0 40 W

19 53
−19 2
0 45 W

190818 RX Sag. est 11.2

11 25

19 55
−18.8
0 47 W

191019 R Sag. est 7.2 ~~[illegible]~~

11 28

19 58
− 19.8
0 48 W

191017 T Sag. est 7.0 Flg

11 30

191319 S′ Sag est 9.1

11 40
19 10 − 18.8
20 5
0 55 W

20 10
− 19.4
0 56 W

8149 7

July 26, 1908

191007 W Aquil est 9.7

11 48
19 8 −7 2
20 12
1 4 W

−7 8
20 18
1 6 W

191033 Ry Sag est 7.3 ~~+7.9~~

11 52
~~19~~

191321 Z Sag. est 8.8

11 58
19 12 −21.4
20 22
1 10 W

20 28
1 14 W
−21 8

191719 T Sagittae est 9.8

12 4
19 17 +17 4
20 30
1 13 W

+17.8
20 34
1 17 W

193311 RT Aquil est 11.0

12 10
19 31 +10 8
20 36
1 5 W

+11 4
20 40
1 6 W

July 26, 1908

	193309 RV Aquil. est 10.8	
12 18	19 33 +8.8 20 43 1 10 W	+9 2 20:48 1 14 W
	200212 SY Aquil. 9.0 ~~est~~	
12.25	20 2 +12 4 20 56 0 48 W	+12 8 0 50 W 20 55
	200752 S Aquilae 10.6	
12 32	20 7 +14 8 20 57 0 50 W	+15 2 21 2 0 55 W
	180531 T Herc. est 11.0	
12 38	18 3 +30 6 21 3 3 0 W	21 8 +31.6 3 2 W
	185634 Z Lyrae est 9.3	
12 45	18 54 +34 4 21 10 2 14 W	+34.6 21. 15 2 20 W

45-634
24

L.P.P.

8150 6

~~Mon July 27, 1908~~

LC. Obs HD 8/50

	S S' Cygni 213843 est 9.6			
9 25				18 1 3 45 E +43.6
	R Coronae 154428 est 6.1 FG			
9 27				
	141954 S' Bootis est 11.6			
9 36	14 17 18 07 3 50 W	+52.8		+53.8 18 12 3 55 W
	142539 V Bootis est 9.3			
9 43	14 25 18 15 3.50 W	+39.2		+38.0 18 19 3.50 W
	153378 S' Urs Min est 8.7			
9 50	15 33 18 22 2 49 W	+78.2		+77.4 18 26 2.58 W

8150 6

July 27, 1908

	222439	S Lacert. est 9.8		
9 54	22 26 18 26 4 0 E	+40.2		+40.2 18 30 3 53 E
	223841	R Lacertae 9.6 est		
10 2	22 38 18 33 4 5 E	+41.4		+42.0 18 38 4 0 E
	204318	V Delph. est 9.0		
10 9	20 42 18 40 2 2 E	+18.8		+19.8 18 45 2 0 E
	204016	T Delph. est 10.8		
10 16	20 40 18 46 1 54	+16.0		+17.2 18 52 1 50 E
	203816	S Delph. est 8.8		
10 24	20 36 18 54 1 42 E	+16.8		+16.8 19 ~~00~~ 1 40 E

July 27, 1908

8150 6

R Delph 201008 est 9.5

10 30 20 10 +8.5 +9.2
19 2 19 6
1 8 E 1 6 E

20 11 21 RT Capri est 7.8 +Zg

10 33 ~~20~~

8150.7 20 16 47 U Cygni. 7.5 est +Zg.

10 36

20 25 39 RW Cyg. est 8.0 +Zg

10 38

20 29 54 ST Cygni est 8.8

8150 7

10 49 20 29 +55.0' +55.2
19 19 19 25
1 10 E 1 5 E

July 27, 1908

8150 8

8150 7

	204846	RZ Cygni 9.0 est	
	20 46	+46.8	+47.2
19 54	19 26		19 30
	1 20 E		1 16 E
	205923	R Vulpec. est 11.1	
	20 56	+22.8	+23.8
11 00	19 32		19 36
	1 24 E		1 24 E
	210382	X Cephei est 10.6	
	21 12	+81.8	+80.0
11 10	19 38		19 46
	1 34 E		1 14 E
	211614	~~X~~ X Pegasi est 10.0	
- -	21 14	+14.4	+15.4
11 16	19 48		19 52
	1 26 E		1 23 E
	213753	RU Cygni est 7.6	
	21 36	+53.0	+54.6
11 22	19 54		19 58
	~~8~~		1 40 E
	1 42 E		

July 27 1908

8150 7

	210576	Z Capric. est 10.1		
11 30	21 3 20 0 1 3 E	−16.2		−15.6 20 5 1 0 E
	204405	T Aquarii FLG est 7.0		
11 32				
	210903	RR Aquar est 9.1		
11 39	21 7 20 10 0 57	−3 2 E		−2.2 20.14 0.55 E
	215605	V Pegasi 10.8		
11 45	21 58 20 16 1 42E	+5.2		+6.4 20 20 1 38E
	191350	TZ Cygni est 9.3		
11 51	19 16 20 22 ~~0 54~~ 1 6 W	+50.2		+49.0 20 26 1 15W

8150 7

July 27, 1908

192928 TY Cygni est 10.7

11 57
19 28 +28.6
20 28
1 0 W

+27.2
20 34
1 6 W

194048 RT Cygni est 7.8

12 5
19 40 +48.2
20 36
0 56 W

+47.6
20 40
1 0 W

193449 R Cygni est 8.f

12 11
19 33 +49.8
20 42
1. 9 W

+49.0
20.46
1.12 W

194632 χ Cygni +R? est 6.8

12 15

011272 S Cassiop est 9.2

12 21
25 10 +72.8
20 52
4 18 E

30 694
24
L.P.P.

+73.2
20.56
4.16 E

8150 7

Thurs. July 30, 1908

8153 6 L.C. Obs. LD 8153

	103769 R Urs Maj		est 8.1	
9 7	10 34 17 50 7 16 w	+69.4		+70.6 17 55 7 20 w
	123160 T Urs Maj		est 10.7	
9 12				+60.8 18 00 5 30 w
	123961 S Urs Maj		est 8.3	
9 13				+61.6 18 : 01 5 : 20 w
	143227 R Bootis		est 7.0	LD
9 16				
	210868 T Cephei		est. 6.9	LD
9 18				

July 30, 1908

8153 6

162119 U Herc est 8.0

9 22
16 19 +18.5
18 7
1 48 W
18 10
+19.9
1 50 W

163137 W Herc est 10.0

9 28
16 29 +38.2
18 12
1 43 W
18 16
+37.6
1. 45 W

151731 S Coronae est 11.6

9 34
15 17 +32.2
18 17
3 0 W
+31.5
18 22
3 3 W

160210 U Serp est 10.8

9 42
16 1 +10.1
18 23
2 22 W
+10.4
18 30
2 28 W

142584 R Camel est 12.0

9 52
15 0 +84.4
18 33
3 33 W
+85.2
18 40
4. 20 W

8153 6

July 30, 1908

	154639	V Coronae	est 11 2	
	15 46	+39 2		+39 8
9 58	18 42			18 46
	2 56	w		3 0 w
	154536	X Coronae	9.8 est	
	15 43	+36 2		+36 8
10 4	18 48			18 52
	3 5	w		3 8 w
10 10	Clouds			
10 45	Too cldy to continue			
			12	106
			—	2x L.P.P.

Sun Aug 2, 1908

8156 6 L. C. Obs J.D. 8156

SS Cygni 213843 est 10.7

9 00 ~~=~~ 18.6
+42.0
3.46 E

SS Herc 162807 est 12.2

16 26 +6.9 18:20
9 15 18 14 + 4.8
1 48 W 1.40 W

163266 R Draconis est 12.2

18 26
9 21 16 30 +66.8 +64.8
18 22 1 40 W
1 52 W

U Draco 190967 est 12.7

19 7 +67.7 +65.0
9 30 18 27 18:35
0 40 E 0.56 E

213678 S Cephei est 8.0

9 37 21 34 +78.0 +76.0
18 36 18:42
2 58 E 3.6 E

8156 6

Aug 2, 1908

	195849	Z Cygni est 11 6		
9 45	19 56 18 44 1 12 E	+49.8		+47.4 18 50 1 20 E
	175519	Ry Herc est 12.0		
9 55	17 54 18 54 1 0 W	+19.4		+17.8 19 00 0 40 W
	170215	R Oph est 11.8		
10 1	17 0 19 0 2 0 E	−15.4		−17.2 19 6 2 17 E
	204104	W Aquarii est 10.6		
10 7	20 40 19 08 1 32 E	−4 2		−6 4 19 12 1 40 E
	S V Herc	18 2224 est 9.8		
10 23	18 22 19 25 1 3 W	+24 6		19 28 0 46 W +22 8

Aug 2, 1908

8156 6

X Delph. 205017

20 48 +17?
19 28
1 20 E

~~cant find~~ tel. faulty

RW Peg. 225914 est 9.2

22 58 +145
19 33
10 30 3 25

3 35 E
+13.2
19 35

220613 Y Pegasi est 9.8

22 3 +139
10 35 19 36
2 27 E

+12.6
19 40
2 35 E

81 56.7 R Pegasi 230110 est 11.8

23 2 +9.0
10 41 19 42
3 20 E

19 46
3 27 E
+8.6

V Cassiop 230759 est 11.6

8156 7

10 46 23 4 +58.5
19 47
~~47~~
3 17 E

3 29 w
+57.8
18 51

Aug 2, 1908

8156 7

RR Pegasi 214024 11.0 est

10 52	21 38	+250	3.57
	19 52		+236
	1 48	Σ	19.57

R Cassiop 235350 est Var 5 p = 10.0

			20.02
10 57	23 52	+500	
	19 58		4 0 Σ
			+490
	3 54	Σ	

T And 001726 est < 11.8

11 01	26 14	+26.2	4 21 Σ
	20 04		+25.4
	4 10		20 6

R And 001838 est 7.6

			4 19 Σ
11 05	24 12	+360	+367
	20 08		
	4 4	Σ	20.10

8156 7

17 7 23
25 L. P ?

1

Sunday Aug 16, 1908

L. C. Obs J. D. 8170

8170.5 R Coronae 154428 [illegible]

est 6.0

7 35

SS Cygni 213843 est 11.1

7 37 17 32
4:10 E
+42.0

R Urs Maj 103769 est 7.6

7 42 10 32 +69.5
17 34
7 2 W
6:51 W
+70.0
17:37

T Can Ven 122532 est 11.2

7 46 12 24 +32.2
17 39
5 15 W
5 10 W
+33.0
17 41

T Urs Maj 123160 est 8.9

7 47 17:42
4:55 W
+60.6

Aug 16, 1908

8170.5 S Urs Maj. 12396, est 7.8

7 48

17:43
4:55 W
+62.2

RS Urs Maj 123459 est <11.6

7 50

17:45
4:58 W
+60.0

8170.6 U Urs Min 141567 est 10.2

8 23

14 15 +67.7
18 15
4 0 W

18 18
+68.8
4 0 W

R Bootis 143227 est 7.5

8 27

18 22
+27.4
3:40 W

S Serp. 151714 est 8.8

8 30

15 19 +16.0
18 24
3 5

18 25
+14.4
~~151~~
3:1 W

Aug 16, 1908

8170.6 15 337 S Urs Min est 9.1

p 35
18 30
+80.2
2 54 W

U Serp 160210 est 11.7

18.34
2 25 W
+9.8

p 39
16 0 +10 2
18 31
2 31 W

W Herc 163137 est 8.3

p 45
16 30 +37.0
18 35
2 5 W

1 56 W
+37.4
18:40

R Oph 170215 est 10.8

p 48
17 2 -15 5
18 42
1 40 W

18:43
1 40 W
-17.8

p 50 dew on objective & some haze & cloud about, so will quit.

14 7^{37}_{25} L.P.P.

.4 5
8174 5

Thurs. Aug 20, 1908

L.C. - Obs J.D. 8174

SS Cygni 213843

7 ~~18~~ 40 est 11.7 17 50 / 3 51 E / +44.6

V Coronae 154639 est 11.1

7 48
15 46 +39.8
17 54
2 8 W

17 58
2 11 W
+38.2

V Ophiuchi 162112 est 9.2

~~8174 6~~

8 10
16 19 −11.8
17 59
1 40 W

1 57 W
−12.4
18 20

Dec circles out of order, had to fix same

8174.6 RY Ophiuchi 181103 est 11.6

8 27
18 6 +3 6
18 21
0 15 W

18 37
0 20 W
+2.4

X Ophiuchi 183307 est 8.0

8 31
18 35 +8.7
18 38
0 3 W

18 41
0 2 W
+7.7

Aug 20, 1908

8174 6

RW Sagitt 190819
est 8.9
8 37
18 47
0.21 E
-20.4
~~0 2~~

RX Sagitt 190818
8 38
est < 11.8
18 48
0 21 E
-20.5

191017 T, Sagittarii est 8.0
8 40
0.21 E
-19.2
18 50

RY Sagitt 191033 est 7.0
8 44
-35.4
0:15 E
18:54

R Cygni 193449 est 8.6
8 53
19 32 +49.9
18 56
0 36 E
19 03
0:43 E
+49.8

8174 6

Aug 20, 1908

RT Cygni · 19 40 48 Est 9.1

8 55

0 48 E
+ 48 6
19 5

TU Cygni 19 43 48 Est 9.1

8 58

0 48 E
+ 48 6
19 8

Z Cygni 19 58 49 Est 11.0

9 02

0 59 E
+ 49.6
19 12

N Y Aquilae $20\,0\overset{2}{9}\,12$

8174 6

20 0 +12.5
19 14
0 46 E

Objective dewed ~~it~~ will have to quit
L. P. P.

12 149
1 26 L. P. P.

(Thurs.) Sept 3, 1908

L. P. Obs. J.D. 8188

8188.5 S Serpentis 151714 est 9.0

8 2
15 19 +16.0
19 01
3 42 W
.19 4
3.48 W
+17 K

S Ursæ Minoris 153378 est 10.1

8 8
15 33 +78.5
19 08
3 35 W
+78.9
2:48 W
19 10

X Coronæ 154536 est 8.1

8 11
15 46 +36.1
19 11
3 25 W
3:26 W
+36.6
19:13

8188.6 154615 R Serpentis est 8.9

8 13
15 45 +15.6
19 14
3 29 W
3:22 W
+16.0
19 15

W Coronæ 161138 est 9.0

8:17
16 8 +38.5
19 15
3 7 W
19:19
3:0 W
+39.0

Sept. 3, 1908.

8188.6 U Herculis 162119 Est 7.5
8 24
16 16 +19.5
19 21
3 5 W
+21.8
19 26
2 5 8 W

SS Cygni. 213843 est 11.0
8 4
19.5
2.39 E
+41.5

8 29 W Herculis 163137 est 8.0
1630 +37.3
1930
3.0 W
+39.0
19 31
2 42 W

8 34 S Herculis 164715 est 9.0
16 46 + 15.2
19 33
2 47 W
+19.2
19 36
2 28 W

8 42 R Oph. 170215 est 18.0
17 2 −15.5
19 37
2 ~~28~~
35 W
−15.2
2 36
19 44

Sept 3, 1908

8188.6

8 45	T. Herculis 180531		Est. <10.8	
	18 2	+30,5		+32,0
	19 46			1,36 W
	1.44 W			19.49
	R Sagitt. 191819		Est 10.8	
	19 9			19:57
8 53	~~[illegible]~~	−19 2		−19 8
	19 51			0:42
	0.42 W			
	T Cephei 210868		est 7.6	
				+69,5
8 58				20:0
				130 E
	χ Cygni 194632		Est 10.1	
				0.18 W
	19 48	+34 2		+33.0
9 6	20 03			20:8
	0 15 W			
	U. Cygni 201647		Est. 8.2	
				0.16 E
9.11				+47.3
				20:13

Sep 3, 1908.

8188.6 ~~Sep 3~~	R S Cygni 200938		Est. 8.2	
9 18	20 12 20 15 0 3 W	~~2012~~ +40.0		-0,16 E +38.8 20:20
	R W Cygni 202539		Est, 9.0	
9 24	20 17 20 21 0 4 W	+39.8		0,10 E +39.4 20:26
	V Aquarii 204102		Est, 7.8	
9 28	2041 2027 014 E	+2.1		0,33 E +1.8 20:30
	R W Pegasi 225914		Est. 10.5	
9 35	2258 2032 2,26 E	+14.5		2,25 E +12.7 20:37
	R Andromedae 001838		Est, 7.8	
9 44	2416 2043 3.33 E	+38.0		3.36 E +36.3 20:46

Sept 3, 1908

8188.78 – Aurigae 060547 est 11.5

6 5 +47.5 4 ; 30 2

14 45 1 35 +46.0

4 30 8 1 : 48

o Ceti eye 021403

14 50 est 4.7

22 771 L. P. P.

26

Ff (Wed) Sept. 9, 1908

L.C. Ob. J.D. 8194

8194.6

S S Cygni 21 38 +43

8 00 est 9.7

Moon too bright and too much glare from haze to work with advantage tonight.

Moon Full

1 772
26

(Mon) Sept: 15, 1908

L.C. Obs. J.D. 8200 8200 5

8200.5

Obs. tonight made with the 6" W. Equatorial

SS Cygni 213843 est 8.2

21 37 +43.6
7 24 19 09
2 28 E

19.17
2:18 E
+43.4
21:35 ~~9~~

SS Herc 162807 est 10.0

7 39 16 26 +6.9
19 26
3 0 W

3:6 W
+7.0
19:32
16:26

S Herc 164715 est l 2,2 m = 9.3

7 46 16 46 +15.2
19 34
2 48 W

2:53 W
+15.1
19:39
16:46

RY Herc 175519 est 8.5

7 [illegible] 17 55 +19.6
19 40
1 45

+19.2
1:47 W
19.45
17:54

Sept 15 1908

8200 5

T Sagittarii 19017 est 9.5

7 53	19 9 −17.4 19 44 0 35 W		−17.8 0:38W 19 46 19:8

RY Sagitt 191033 est 7.0

7 56	19 8 −33.8 19 48 0 40W		−34.9 0:42W 19:49 19:7

S Sagittarii 191319 est 12.7

7 59	19 9 −19.3 19 50 0 41 W		−19.6 0:41W 19 52 19:11

Z Sagitt 191321 est 12.6

8200 6

8 12	19 11 −21.2 19 53 0 42W		−21.3 0:54W 20.5 19:11

RT Capric 201121 est 7.~~7~~0

8 15	20 11 −22.0 20 07 0 4E		−22.0 0:1E 20:8 20:9

Sept 15, 1908

8200 6

T Aquarii 204405 est 9.6

8 17
20 40 −5.5
20 09
0 37 E
20:43
−5.9
~~[illegible]~~
20 10
0:33 E

Y Aquarii 203905 < 12.8

8 22
0:23 E
−5.6
20 15
20 3A

W Aquarii 204104 est 8.3

8 24
0:22 E
−4.0
20 17
20:39

Z Aquilae 200906 est < 12.5

8 32
20 7 −6.4
20 19
0 12 W
0:16 W
−6.8
20 25
20:19

RU Capricorni 202622 est < 12.4

8 38
20 24 −22.7
20 26
0 2 W
0 7 W
−22.4
20 31
20:24

Sept. 15, 1908

8200 6

RV Aquilae 193509 Est 12.5

8 45	19 34 +9.4 20 34 1 0 W	1:4 W +9.6 20 38 19: 34

SY Aquilae 200715a est 10.0

8 49	20 5 +15.0 20 40 0 35 W	0: 36 W +15.2 20 42 20: 6

R Delph. 201008 est 13.0

8 52	20 10 +8.5 20 43 0 33 W	0: 36 W +8.5 20: 45 20: 9

T Sagittae 191717 est 9.0

8 54	19 16 +17.5 20 46 1 30 W	1: 31 W +17.3 20: 47 19: 16

U Capric 204215 est 11.8

9 00	20 42 −15.2 20 48 0 6 W	−15.5 0: 14 W 20: 54 20: 40

Sept 15, 1908

8200 6

Comet b Morehouse

25 52 +71.7
21 16
4 36 E

9 35 Comet found in 6" but too faint to est brightness of same as light is too diffused.

V Capric. 210124 est < 12.0

21 2 −24.5
9 41 21 29
0 27 W

0.34 W
−24.7
21.33
20.59

X Capric 210221 est 12.0

9 45 21 2 −21.8
21 34
0 32 W

0.37 W
−21.9
21 37
21.0

R ~~S~~ Aquarii 210504 est < 12.9

21 4 −47
9 48 21 38
0 34 W

0.36 W
−4.8
21.40
21.4

Sept 15, 1908

8200 6

Z Capricorn 210516 est 11.0

21 2 −17.2 −16.9
9 53 21 41 0:42 W
0 39 W 21 46
21:4

RR Aquarii 210903 est 9.7

21 8 −3.2 −3.4
9 55 21 48 0:41 W
0 40 W 21 48
21:7

T Capric 211615 est 12.6

21 16 −15.6 −15.9
9 58 21 49 0.38 W
0 33 W 21:51
21:13

S Capric 212814 est 12.7

21 29 −14.0 −14.7
10 2 21 52 0:29 W
0 23 W 21:26 21 55
~~20. 8~~

U Aquarii 215717 est 12.4

21 57 −17.4 −17.5
10 7 21 57 0.5 W
0 0 21 59
21:54

Sept 15, 1908

8200 6

T Cygni ~~R~~ 192928 est 9.8

10 14 19 28 +28.0
22 02
2 34 W

+28.2
2:38 W
22 6
19:28

X Delph. 205017 est 9.5 = Nf
S. px = <12.6

10 17 20 48 +17.2
22 08
1 20 W

+17.2
1:21 W
22 9
20:48

X Cephei 210382 est

10 20 21 8 +82.4 Pier interferes
22 11
1 3 W

24 796 L.P.P.
6 32

Tuesday Sept. 29, 1908

8214 5 L.C. Obs. 6" W. Equatorial JD 8214

		SS Cygni 2138K3		est 10.8	
		21 35	+434		20 10
7	20	20 8			1:26 E
		1 27 E			+434
		R Herc 160118		~~est~~ <12.4	
		16 2	+17.5		+18.6
7	30	20 14			4:19 W
		4 12 W			20 20
7	04	R Scuti	184205		
			+lg =	d 3.0 e = 5.6	
		R Coronae	154428		
7	05		+lg.	6.0	
		Z Oph	171401	~~est~~ 8.0	
					3:11 W
		17 14	+1.6		+1.6
7	34	20 22			20 24
		3 8	W		

Sept 29, 1908

8214 5

R Serpentis 154615 est 10.0

20:27
4:42 W
+15.6

7 37 15 47 +15.4
20 25
4 38 W

X Coronae 154536 est 10.1

+36.8
4:48 W
20 33

7 43 15 42 +36.5
20 28
4 46 W

V Coronae 154639 est 11.4

4:49
+40.1
20 35

7 45 15 46 +39.9
20 34
4 48 W

160625 RU Herc est 7.8

4:31 W
+25.6
20:37

7 47 16 4 +25.9
20 35
4 31 W

W Coronae 161138 est 9.2

4:30 W
+38.7
20:40

7 50 16 8 +38.5
20 38
4 30 W

Sept 29, 1908

8214 5

162119 U Herc est 8.2

7 53 16 15 +19.5
20 41
4 26 W

20:43
4:24W
+19.3

SS Herc 162807 est 9.2

7 53 16 26 +6.9
20 44
4 18 W

+7.2
4:18W
20:45

W Herc 163137 est 8.3

16 30 +37.2
20 46
7 57 4 16 W

4:16W
+37.8
2047

S Herc 164715 est 8.7

16 46 +15.2
8 00 20 48
4 2W

+15.2
4:3W
20:49

RT Herc 170627 est <12.4

804 17 4 +27.C
20 50
3 46 W

+27.3
3:48W
20 53

Sept 29, 1908

8214 5

RS Herc 171723 est 9.4

8 6 17 18 +23.1
20 54
3 36 W

+23.0
3:38 W
20.55

RU Oph 172809 est 10.3

17 28 +9.6
8 9 20 56
3 28 W

+9.6
3:31 W
20 58

RT Oph 175111 est <12.3

8 10 17 51 +11.0
20 58
3 7 W

+11.1
3:9 W
20 59

8214 6 RY Herc 175519 est 9.2

17 54 +19.4
8 12 21 00
3 6 W

3:7 W
+19.4
21 1

X Oph. 183308 est ~~9~~ 8.6

18 33 +8.5
8 15 21 02
2 29 W

2:31 W
~~+9.5~~
+8.6
21 4

Sept 29, 1908

8214 6

	174406	RS Oph est 11.4	
8 19	17 43 21 5 3 22	-6.8 W	3:24W -67 21 6
	181136	W Lyrae est 10.5	
8 20	18 11 21 7 2 56	+36.4 W	+36.6 2:58W 21. 9
	R Urs Maj	103769 est 8.8	
8 27	10 32 21 10 10 38	+69.4 W	10:46W +69.2 21 16
	T Urs Maj	123160 ~~123961~~ est 8.0	
8 31	12 22 21 18 8 56	+59.5 W	8 53 W +59.6 21 20
	S Urs Maj	123961 est 8.1	
8 33			8 47 W +61.4 21 22

Sept. 29, 1908

8214 6

RS Urs Maj 123459 est 11.6

8 35

8:54W
+59.0
21:24

R Can Ven 134440 est 10.0

8 39
13 40 +39.3
21 25
7 45 W

7:46 W
+40 3
21 28

V Bootis 142539 est 8.0

8 42
14 26 +39.0
21 29
7 3 W

7:6 W
+38.9
21:31

RR Aquilae 195202 est 11.9

19 51 -26
8 47
21 33
1 42 W

-2.4
1:46W
2136

RS Aquilae ✱ 195308 est 12.5 Var susp

19 51 -8.0
8 48
21 37
1 46 W

-8.4
1:46W
2137

Sept 29, 1908

8214 6

SY Aquilae 200212 est < 12.4

8 53
20 0 +12.5
21 39
1 39 W
1:40 W
+12.5
21:42

RU Aquilae 200812 est < 12.4

8 56
20 7 +12.6
21 43
1 36 W
1:38 W
+12.5
21:45

V Aquarii 204102 est 8.5

8 59
20 42 +2.0
21 46
1 4 W
+1.8
1:7 W
21 48

R Equulei 210812 est 10.2

9 2
21 7 +12.6
21 49
0 42 W
+12.2
0:44 W
21 51

T Pegasi 220412 est 13.0 suspect only

9 15
22 4 +11.6
21 52
0 12 E
+11.6
0:1 W
22 4

Sept 29. 1908

8214 6

Y Pegasi 220613 est 11.3

9 20 22 3 +13.9 +13.4
22 5 22:9
0 2 W 0.3 W

RS Pegasi 220714 est <12.4

9 21 +13.6
0.3 W
22.10

RV Pegasi 222129

22 18 +29 d too high
22 11
0 7 E

RT Aquarii 221722 est 9.2

9 27 22 14 -22.2 -22.9
22 14 0.1 W
0 0 22 16

221321 X Aquarii est 12.0

9 30 22 10 -21.5 -21.8
22 17 0.8 W
0 7 W 22 19

Sept 29, 1908

8214 6

S Aquarii 225120 est <12.2

9 40	22 50 -20.7 22 20 0 30 E		-21.3 0:21 E 22.29

S Pegasi 231508 est 12.3

9 52	23 18 +8.0 22 30 0 48 E		0:36 E +7.8 22 41

R Aquarii 233815 est 10.2

9 58	23 37 -15.9 22 42 0 55 E		22 47 -16.5 0:50 E

Z Aquarii 234716

10 3		est 8.2	0:52 E -17.3 22 52

V Ceti 235209 est 13.0

10 12	23 51 -9.6 22 53 0 58 E		-10.0 0:51 E 23 1

Sept 29 1908

8214 9

W Ceti 235715 est 7.5

10 19 23 55 − 15.9
23 2
0 53 ε

−15.8
0:46 ε
23.8

Metcalf Var 033104

10 36 27 27 + 6.0
23 10
4 17 ε

Var N.P.
∠ 12th

23 19
+ 5.0
4:11 ε

10 34 o Ceti est eye = 3.5

Fine Aurora all the evening reaching south of zenith to the equator at times.

39 8 35 — L.P.P.
8 40

8215 5

(Wed.) Sept. ~~7~~ 30, 1908

L.C. Obs. J.D. 8215 6" W.E.

SS Cygni 213843 est 10.9

7 27

21 37 +43 4
20 18
1 19 E

1:16 E
20 20
+43.4

R Draconis 163266 est 9.1

7 32

16 30 +67.4
20 22
3 52 W

3 54 W
+67.2
20 25

T Herculis 180531 est 10.7

7 36

18 2 +30.5
20 27
2 25 W

2 24 W
+31.0
20 29

Star d of T Herc Neg. = est 8.8

7 39

+30.2
2 25 W
20 32

X Andromedae 001046 est 10.7

7 45

~~0~~ 24 7 +46.0
20 33
3 34 E

20 37
3 35 E
+46.6

Sept 30, 1908

8215 5

T Cassiop. 001755 est 8.2

7 48
24
0 15 +55.0
20 38
3 37 Σ

20:41
3 38 Σ
+55.4

R Androm 001838 est 7.9

7 51
24
8 10 +37.9
20 40
3 30 Σ

20 44
3 35 Σ
+38.4

Y Cephei 003179 est 9.1

7 55
24 30 +79.4
20 45
3 45 Σ

20 48
+79.0
3 44 Σ

RW Androm 004132 est 11.7

✓ 7 59
24
8 41 +32.2
20 50
3 51 Σ

3 50 Σ
20 52
+32.4

V Androm 004435

8 10
0 46 +34.5
20 54
3 52 Σ

can't find

Sept 30, 1908

8215 6

RV Cassiop 004746 est <12.2

	~~04~~	21:7
8 14	0 46 +47.0 21 04 3 42 ε	+46.8 3 41 ε

W Cassiop 004958 est 9.0

8 17	0 46 +58.2 21 8 3 38 ε	21 10 3 40 ε +58.8

RX And 005840 est 12.6

8 22	0 55 +40.6 21 11 3 44 ε	+40.8 3 44 ε 21 15

U Androm 010940 est <12.4

8 25	1 8 +60.2 21 16 3 52 ε	+40.4 3.53 ε 21 18

S Cass 011272 est 7.5

		21 21
8 28	1 8 +72.0 21 18 3 50 ε	3 54 ε +72.2

Sept 30, 1908

8215 6

X Cassiop 014958 est Var = 11.8

δ 37 1 47 +58 5
21 23
4 24 Σ

4:21 Σ
+58.8
21 30

Var ? near X = 10.5

U Persei 015254 est 9.1

δ 40 1 54 +54.0
21 31
4 23 Σ

4:21 Σ
+54.3
21 33

Y Androm 013338 est <12.2

δ 43 1 32 +38.8
21 34
3 58 Σ

21 36
+38.8
3.58 Σ

RU Androm 013238 est 11.9

δ 47

3:54 Σ
+38.3
21 40

W Androm 021143 est 9.5

δ 52 2 64 +43 5
21 41
4 23 Σ

4:26 Σ
+43 8
21 45

8215 6

Sept 30, 1908

	S Persei 021558 est 8.9		
9 08	26 8 +57.3 21.46 4 22 E		21.53 4.23E +58.2
	RR Persei 022150 est <12.3		
9 04	26 20 +50.8 21 54 4 26 E		4.25 E +50.8 21.57
	RR Cephei 023080 est 10.0		
9 08	26 28 +80.7 21 58 4 30 E		22 1 4 35 E +80.5
	Z Cephei 021281 est 12.2		
9 11			4.15 E +81.8 22.4
	W Persei 024356 est 8.8		
9 14	26 40 +56.6 22 05 4 35 E		22.7 4.36 E +56.6

Sept 30, 1908

8215 6

R Trianguli 023133 est 10.3

		22:10
9 17	26 38 + 34.0 22 8 4 22 E	4:20 E + 33.8

Y Persei 032043 est 9.7

9 20	27 19 + 43.8 22 11 5 8 E	5:7 E + 43.8 22 13

R Persei 032335 est 11.6

9 24	27 26 + 35.3 22 14 5 12 E	5:6 E + 35.6 22 17

T Camelop 043065 est <12 (Query 9.3 star near is this var ?)

9 29	28 28 + 66.0 22 18 6 10 E	22 22 6:7 E + 65.5

X Camelop 043274 est 11.7

9 35	28 33 + 75.0 22 26 6 7 E	6:5 E + 75.0 22 28

Sept. 30, 1908.

8215 6

050953 R Aurigae est 9.6

9 39
29 3 +53.0
22 30
6 33 E

6:36 E
+53.4
22:32

S Camelop 053068 est 9.2

9 42
29 34 +68.8
22 33
7 1 E

6:54 E
+68.8
22 35

V Camelop 054974 est <12.2

9 46
29 45 +73.9
22 35
7 10 E

22 39
7:8 E
+74.5

Z Aurigae 055353 est 10.9

9 52
29 50 +53.5
22 40
7 10 E

+53.5
7:8 E
22 45

X Aurigae 060450 est 8.0

9 55
36 1 +49.9
22 46
7 15

22:48
7:15 E
+50.3

Sept 30. 1908

8215 6

V Aurigae 061647 est <11.8

10 3 6 13 +47.0 +47.8
22 50 7:20 Σ
7 23 Σ 22 56

R Lyncis 065355 est 11.3

10 8 6 53 +55.0 23:11
22 57 +55.6
7 56 Σ 7:51 Σ

S Ceti 001809 est 11.1

10 12 0 12 −9.7 ✓ 1:12 Σ
23 03 −9.5
1 9 Σ 23:5

Z Ceti 010102 est 11.8

23:8
10 15 1 0 −2.5 1:54 Σ
23 6 −2.3
1 54 Σ

S Piscium 011208 <12.0

10 19 1 7 +8.0 ✓ 2:0 Σ
23 9 +8.6
1 58 Σ 23:12

Sept 30, 1908

8215 6

U Pisc 011712 est < 12.0

1 17 +12.0 ✓ 2 2 E

10 22 23 12 +12.8

2 5 2 23 : 15

8215.7 R Pisc 012502

1 20 +3.0 abandoned

10 36 23 16

2 4 E cant find

021024 R Arietis est < 12.0

2 8 +24.8 +25.2

10 40 23 30 2:37 E

2 38 E 23:33

8215 7

o Ceti 021403

10 44

eye est = 3.5

33 AGL P.P.

10 50

End of fiscal year

Ledgered

Plotted

Posted

Friday Oct 2, 1908

8217 7 L.C. Obs. J.D. 8217 6" Witt Equat.

SS Cygni 213843 ~~est~~ 10.9

21 37 +43.4 +43.2
11 12 24 05 2:35 W
2 28 W 0:13

TY Cygni ~~21~~ 192928 est 10.6

19 28 +28.1 4:49 W
11 16 24 16 +28.3
4 48 W 0:17

R Cygni 193449 est .10 2

19 34 +49.9 +50.2
11 18 24 18 4:46 W
4 44 W 0:19

Z Cygni 195849 est h 2, 3 k = 9.6

19 58 +49.8 4:25 W
11 21 24 20 +50.2
4 22 W 0:22

RS Cygni 200938 est 8.2

20 8 +38.3 +38.6
11 32 24 24 4:26 W
4 16 W 0 33

8217 7

Oct 2, 1908

W Tauri 042215 est 9.3

4 22 +15.8 | +15.9
12 26 1 22 | 2:55 E
3 0 E | 1:27

RX Tauri 043208 est 12.5

4 31 +7.6 | +8.4
12 29 1 28 | 3:2 E
3 3 E | 1:30

V Tauri 044617 est <12.7

4 46 +17.2 | 3:6 E
12 38 1 31 | +17.5
3 15 E | 1:39

S Aurigae 052034 est 9.0

5 19 +34.0 | 3:37 E
12 42 1 40 | +34.3
3 39 E | 1:43

W Aurigae 052036 est 10.1

12 47 5 17 +36.8 | 3:32 E
1 44 | +36.7
3 33 E | 1 48

Oct 2, 1908

8217 7

RR Tauri 053328 ~~est~~ 10.1

5 31 +25.8
12 58 1 49
3 42 ε

3ʰ.42 ε
+26.4
1.51

U Aurigae 053531 est 9.5

5 34 +31.9
12 52 1 52
3 42 ε

1.53
3.42 ε
+32.2

29.1907 – Aurigae 054231 ~~est~~ f's, g

8217 8

5 40 +31.5
13 0 1 54
3 ~~4~~46 ε

3.41 ε
+31.6
2 1

U Orionis 054920 est 9.7

5 46 +20.2
2 3
13 4 3 43 ~~44~~ ε

3.44 ε
+20.4
2 5

Z Tauri 054715 est

5 45 +15.7
13 10 2 6
3 39 ε

Can't find region

Oct 2, 1908

8217 8

X Ceti 031401 est 9.5

	3 11 −1.5		−0.9
13 13	2 13		0.58 E
	0 58 E		2 14

R Fornacis 022426

	2 23 −27.0	Abandoned	
	2 15		
1 3 20	0 8 E		

R Orionis 045307 est 12.8

			2 30
	4 53 +8.1		2:23 E
13 29	2 23		+8.5
	2 30 E		

V Orionis 050003 est 10.9

	5 1 +3.9		2:26 E
	2 31		+4.8
13 35	2 30 E		2:36

S Orionis 052404 est 10.4

			−4.7
	5 24 −4.8		2:43 E
13 40	2 38		
			2:41
	2 46 E		

Oct 2, 1908

8217 8

T Orionis 053005a est 11.0

13 38

2:51
-5 4
2 39

S Lyncis 063558 est 11.2

13 45 6 34 +579
2 43
3 51 Σ

3.53 Σ
+58.2
2:46

X Geminorum 064030 est 10.1

13 51 6 58 +308
2 48
3 50 Σ

3:49 Σ
+305
2 52

R S Gem 065530 est 11.3

6 52 +304
13 55 2 52
4 0 Σ

+30.6
3:59 Σ
2 56

R Geminorum 070122a est 7.8

13 57 6 56 +229
2 56
4 0 Σ

4:2 Σ
+22.9
2 58

Oct 2, 1908

8217 8

S Fornacis 034124

14 46 3 42 -24.2 Cant find region
3 35
0 7 ε

R Leporis 045514 Est 8.0

4 55 -15.0 -14.6
14 48 3 48 14
1 7 ε 3 49
1,5 ε

T Leporis 050022 est 8.8

1 .6 ε
14 51 5 0 -22.6 -21.6
3 50 3 52
1 10 ε

V Monoc 061702 est 7.4

6 15 -27 2 .19 ε
3 54 -1.8
14 55 2 21 ε 3 56

Y Monoc 065111 est <12.5

6 49 +11.6
3 59 +11.5
14 59 2 50 ε 2.51 ε
4 0

Oct. 2, 1908

8217 8

V Can Min 070109 est 8.8

3
15 2
7 0 +8.7
4 2
2 58 ε

2:57 ε
+9.3
4:4

R Can Min 070310 est 10.3

15 14
7 5 +98
4 5
3 0 ε

2 47 ε
+10.4
~~7~~ 15

RR Monoc 071201 est 10.7

15 17
7 10 +1.3
4 16
2 54 ε

2:54 ε
+1.5
4 18

V Gem 071713 est 9.3

15 20
7 15 +13 3
4 19
2 56 ε

+13.4
4 21
2:56 ε

S Can Min 07$\overset{27}{\cancel{25}}$08 est 8.1

~~8217 8~~

15 22
7 20 +8 5
4 22
2 58 ε

3:1 ε
+8.6
4 24

Oct. 2, 1908

8217 ~~8~~ 9

T Cam min 072811 est 9.7

				+12.8
15	7 29	+11.9		
8 27	4 26			3:0 ε
	3 3 ε			4 28

U Cam min 07 3508 est <12.6

	7 36	+8.6		3:4 ε
15 30	4 30			+8.7
	3 6 ε			4:31

073723 N Gemin est <12.8

	07 37	+23.7		3.1 ε
15 34	4 31			+25.0
	3 6 ε			4 35

T Gemin 074323 est 9.1

	7 41	+24.0		3:4 ε
15 38	4 36			+24.1
	3 5 ε			4:39

U Gem 074922 est <12.6

	7 58	+22.2		+22.4
15 40	4 40			3:6 ε
	3 10 ε			4 43

Oct 2, 1908

8217 ~~8~~ 9

X Monoc 065208 est 8.1

15 45 — 06 51 −8.8
4 44
2 7 E

−8.7
2:5 E
4 46

W Monoc 064707 est 9.9

15 47 — 6 45 −6.8
4 47
1 58 E

−6.5
1:58 E
4 48

R Cancri 081112 est 8.9

15 49 — 8 9 +11.8
4 49
3 20 E

4:50
3 20 E
+12.2

V Cancri 081617 est 9.7

15 53 — 8 16 +17.5
4 57
3 25 E

3:23 E
+17.7
4 54

U Cancri 083019 est <12.4

15 57 — 8 32 +19.7
4 56
3 36 E

+19.4
3:32 E
4 58

8217 9

Oct. 2, 1908

	X Urs Maj 083350 est <12.2		
16 1	8 30 +50.4 5 00 3 30 E		+50.8 3.28 E 5.3
	T Cancri 085120 est 9.0		
16 5	8 49 +20.8 5 5 3 45 E		3:44 E +20.5 5.7
	R Leo Min 093934 est 10.4		
16 9	9 34 +35.8 5 8 4 26 E		4:28 E +35.1 5 11
	S Hydrae 084803 est 10.1		
16 22	8 40 +3.1 5 12 3 28 E		+3.5 3:24 E 5:23
	R Leonis 094211 est 7.6		
16 25	9 40 +12.2 5 25 4 15 E		4:15 E +12.1 5 27

8217 9

Oct 2, 1908

W Cancri 090425 est <12?

16 28	9 3 5 28 3 35 2	+26.0		+25.8 4:34 E 5 30

RT Hydrae 082405 est 9.0

16 32	8 22 5 32 2 40 E	-5.5		-5.8 2 49 E 5 34

T Hydrae 085008 est 8.9

16 36	8 47 5 36 3 11 E	-8.2		-8.6 5 38 3 12 E

V Leonis 095421 if seen = 12.0

16 40	9 54 5 40 4 14 E	+21.7		4:14 E +21.8 5:42

Twilight too strong

51 51
10 10 } L.P.

Tues. Oct. 13, 1908

8228 5 LC Obs. LD 8228

7 5 R Coronae 154428 FLG est 6.0

7 6 R Scuti 184205 FLG est e 2, 2 f

7 8 Saturn 1 > Altair eye est 0.8

~~SS Cygni 213843 est~~

21 37 +43.6
20 50

0 47 E

7 10 R Y Sagittarii 191033 FLG est 7.3

8228 6

9 10 o Ceti 021403 est 3.2 eye

5 56
— 10

LPP

(Thurs) Nov 12, 1908

8258 5 LC Clk. HLG

R S'cuti e 4.2 f 184205 + HLG

6 20

6 22 R Coronae 154428 est 6.1 HLG

6 24 α Aquilae 4 Saturn eye 1.3

Comet Morehouse easily found

6 30 with HLG and then easily seen with Naked eye. Brightness N.E. = 4.5

8258 5

3 $\frac{59}{10}$ L P P

Mon Nov. 16, 1908

L. C. Obs. J.D. 8262
11" & 6" Telescopes

8262.5 Z Cygni 195849 +

7 40 est 9.8 est with 11" Draper

SS Cygni 213843 +

7 50 est 9 2 with 11" Draper

8262.6 Y Persei 032043 +

8 20 est 8.7 with 6" W. Equat

R Aurigae 050953 ×

8 33 est 9.3 with 6" W. Equat

Helped Mr. Blackett in ~~setting~~ telescopes and indentifying regions

4 63/10 L.P.P.

~~15~~ Jan. 1, 190~~8~~ 9

8308.9. R Coronae 154428

Mag. est 8.2

at 10 : 55

J.D. 8308. E.M.T.

L.C. Obs.

L.P.

Wed Jan 6, 190~~8~~9

L.C. Obs. J.D. 8313.

8313.5	X o Ceti	BD. est = 5.6		✓
7 05	021403			L.P.P.

ST 11 34 R Coronae

HA 4 12

decl. +28 3

Est. 8.7

Friday Jan. 15. 1909

K.L.

8322 8

L.P.

J.D. 8322.

Tues. Mar. 23, 1909

L.C. Obs   6" W. Equat.

Reap Jup III   L.C. Obs & Rec

Watch N used & 9sec slow at 12: 47: 00 E.M.T.

13: 1: 39 Sat IV reap. ∴

13:01:48 = Corr. Time of Reap.

So called high power eyepiece used.

Watch N = 9sec slow at 13: 7: 00

Friday April 9, 1909

H.E. Obs. 6"

H. Edmunds Obs.

	R Leonis	094211	7.6 Obs. uncertain	~~reject.~~
				11 20
	9 42	+11°.54'		1 40
10-54	11 10			
	1 28 W			
				11.9
	R Corvi	121418		
	12 14	~~[illegible]~~		
	11 37	-18 42	unable to locate	
	0 37 W			
	S Coronae	151731		
	15 17	+31 44		
	11 52			
	3 25 E			

Sun. April 11, 1909.

L.C. Obs. & Rec. 6" W. Equat.

Reap. Jup II L.C. Obs & Rec.

6" W. Equat. High power eyepiece

Watch C used and =

9:6:33 at 7:33:00 E.M.T.
9:14:34 at 7:41:00 E.M.T. B394

Sat II reap at 9:37:05 By Watch C

∴ Cor Reap =

9:39:38 at 8:6:00 B394

C

Fri. April 23, 1909

LC Ob. JD 8420

Ft Eq.

7 40	RT Aurigae	062230	b 3, 3 c
8 27	u Herc	171333	ρ Herc 3, 5 w Herc
9 04	u Herc	171333	ρ 3, e 0, 4 w
9 28	u Herc	171333	~~H~~ ρ 4, 1 e, 4 w
9 35	RT Aur	062230	b 3, 2 c

5 70

10 2ρP

Saturday April 2~~3~~4, 1909

d.C. Obs. J.D.: 8421

F. S.

7-42	R. T. Aurigae	062~~3~~230	est: c 2, 2 d	
7-43 -1 43	R. Z. Cassiop	023969	est: a' 4 var 2 b	
8-00 -1 26	R. Z. Cassiop	023969	est: b-2, 4 c	
8-31	R. T. Aurigae	062230	~~a~~ a 8 b 4 c 5 d 5 e }	
8-32 -0 54	R. Z. Cassiop	023969	var. c 3, 2 d', a 4 a' 4 b, 5 c 3 d 3 d' 4 e }	
8 46	u Her	171333	ρ 6, 3 w	
8 47 -0 39	RZ Cass	023969	d 2, 1 d'	
8 59 -0 27	R.Z. "	023969	d' 1, 3 e	
9 20 -0 6	R. Z. Cassiop	023969	d' 3, 1 e.	
9 21	~~#~~ u Herculis	171333	ρ 3, 4 w	L. P.
9-48 +0 22	R. Z. ~~[illegible]~~ Cassiop	023969	d' 1, 3 e	12 8 2 10 6 6
9 59 +0 33	RZ Cass	023969	~~d~~ d 2, 1 d'	

Mon. Apr. 26, 1909

L.E. Obs. F.S. and 8" Pl. 8423

8423 7 10 52	u Herc	171333	ρ 5, 3 w	F.S.	✓
10 53	RZ Cam	823969	a' 3, 3 b	F.S.	✓
	a 5 a' 4 b 4 c 5 d		3 d' 4 e		
	~~u~~ u Herculis	171333	ρ 4, 3 W		✓ F.S.
11 - 59					~~11 - 59~~ 14 - 32

8" Polar from here on through page 125

	R S. Librae	151822	8.5		✓ 8"
					0 43E 14 35
12 - 01					
					- 22.6
	R U Librae	152714	9.2		✓ 8"
					0 52E 14 36
12 - 03					
					- 15.2
	X Librae	153020	11.2		✓ 8"
					0 - 52E 14 - 38
12 - 05					
					- 20.8

April 26, 1909.

8423 7	Z Librae ~~n Librae~~	154020	11.5	√ 8"
				0 ~~8~~59E 14 41
12 08				
		5.		−21.0
	λ Coronae	1~~4~~4536	11.0	√ 8"
				1 02E 14 43
12-10				
				+36.1
	R Serpentis	154615	9.4	√ 8"
				1 01E 14 45
12-11				
		5		+15.2
	R Z Scorpii	15~~4~~823	11.4	√ 8"
				1 11E 14 46
12-13				
				−23.8
	Z Scorpii	160021	10.4	√ 8"
				1 13E 14 47
12-14				
				−21.5

April 26, 1909

8423 7 12 17	x Scorpii	160221a	<12.1	✓ 8" 1 12E 14 50 -21.5
12-19	W Scorpii	160519	<12.0	✓ 8" 1 11E 14 52 -20.2
12-21	Or x Scorpii	160524	11.8	✓ 8" 1 11E 14-49 -24.8
12-22	Or U Herculis	160625	11.5	✓ 8" 1 09E 14 56 +25.5
12-25	U Herculis	162119	<12.1	✓ 8" 1 21 14 59 +19.6

april 26, 1909

8423 8

F.G.

13-35	n Herculis	p4, 4w.	171333	F.G.
			~~17 99~~ Lc.	
			4 86 — 10 6 612	P.P.

Wed. May 5, 1909.

u Herc 17133 [illegible].

ρ 20 est ρ 6.2 w

L ρ 6:

1 87

= —

(Thur) May 6, 1909

L.C. Obs. FLG

u Herc 171333

8 23 est e 4½, w 1 var

Var faint ~~tonight~~ alight

9 00 u Herc 171733 est s 6 e 3.0 w

10 00 u Herc " est e 2, 1 w

3 90

1 10

1 12

LC Posted ~~to~~ date

Sat. May 8, 1909

JD DK 35

843~~8~~5 6 u Herc 171333 FG. est e 3, 1 w

P 18

8 43 u Herculis 171333 F B est: e 4, 0 w
9 08 " " " " e 4, w 0.5
9 20 " " 171333 " " e 4, w 1

RT Aurigae 062230 FG. est f 3, 2 c

P 17

9:39 u Herculis 171333 FG. e 3, w 1 LC
9 38 " " " e 3, w 1 SCC

6 96
10
12 L.P.P.

843~~8~~5 6

~~spect~~ RT ~~Aurigae~~.

Tues. May 11, 1909

℞

u Herc 171333 FLS

8 30 e 2, 2w LC-Obs

9 35 e 3, 3w see 8"C. book. S.C.C. Obs

10 05 e 3, 3w LC. OB N.E.

~~9 04 n Herc 171333 e 2, 2w~~

2 98
— 10 L.P.P.
— 12

Wed. May 12, 1909

L. C. Ob FS.

	n Herc	171333	FS.	
8 09	e1, 3w			
9 04	n Herc	171333	FS	e2, 2w
9 47	"	"	"	e2, 2w
8 10	RT Aur	062230	FS.	b3, 2c

4 10^2 L.P.P.
— 10
— 12

Tuesday May 25, 1909. J.D 8452

L.C Obs ~~[illegible]~~ F.S.

8 45 u Herculis 171333 F.S. ρ4,4w

10 39 u Herc 171333 F.S ρ4,4w

L.H.P.

3 5

2 10 4

= 10

12

10 45 χ Cygni 194632 eye obs c 4 var

copied from memory May 26. 1909

L.C.

Wed May 26, 1909

L.C. Obs.

8	10	u Herc	171333	xp ρ 3,5w	Fxg
				1 106	L.P.P.
				16	
				12	

8217 7

Oct. 2, 1908

SX Cygni 201130 est f 3.39 = 10.9

11 35	20 10 +30.6 24 34 4 24 W	4:26 W +30.8 0:36

R Pisc. 012502 est <12.3

11 44	1 20 +3.0 0 39 0 41 E	0:39 E +3.1 0 45

S Arietis 015912 est <12.4

11 49	1 57 +12.2 0 47 1 10 E.	1:9 E +12.2 0:50

R Ceti 022000 est 9.0

11 53	2 20 −1.5 0 50 1 30 E	−0.3 1.25 E 0:54

T Arietis 024217 est 8.6

11 56	2 41 +16.8 0 55 1 46 E	+17.5 1.46 E 0:57

Oct 2, 1908

U Ceti 022813 est 7.3

12 1 | 2 27 −13.8 | 1:25 ε
0 57 | −13.1
1 30 ε | 1: 2

U Arietis 030514 est 12.8 [illegible]

12 4 | 3 5 +14.9 | +14.8
1 5 | 2:02
2 02 | 1:5

T Tauri 041619 est 10.2

12 7 | 4 16 +19.3 | 3:6 ε
1 6 | +19.4
3 10 ε | 1:8

R Tauri 042209 est 12.2

4 22 +9.9 | 3:11 ε
1 9 | +10.1
12 10 | 3 13 ε | 1:11

W Tauri 042309 est < 12.5
+9.9
12 12
3:11 ε
1:13

Thurs June 3. 1909

L.C. Ob.

u Herc 171333 A.L.G.

g 50 est ρ 6, 2 w

Obs. during total eclipse of moon.

Moon in too much haze to do anything in the observations of occultations of stars.

L.P.

1 107

— 10

— 12

Tues. June 8, 1909
L.C. Obs. FLG.

9 28 u Herc 171333 est. P.H. 3 w

L.P.

1	108
—	10
—	12

Friday June 18, 1909 J.D. 8476

LC F.S.

9-56 u Herculis 75 +71333 est. e4 W, 0.5
9-48 " " " " e3, 0 W

Fuse gave out [but this has nothing to do with it]

11-18 u Herculis e4, W 1

3 ///

10 L.P.P.
12

Condition of Sky
at Groton N. H.
July 1909. L. C. Obs.

Date		Time	Ob.	Time	Ob.	Remarks
July	3d	9:00	4	11:30	5	cldy, light rain at times.
	4	9:00	0	11:30	0	very clear
	5	9:00	0	11:30	1	Sky 2 at 10 pm.
	6	9:00	0	11:30	0	Sky clear all evening.
	7	9:00	0	11:45	0	" " " "
	8	9:00	5	11:30	4	Sky 1 at 8; all cldy at 9. clear at 1 am
	9	9:00	1	11:40	0	cldy at 8:30 but cleared at 9.
	10	9:00	4	11:30	5	all cldy evening
	11	9:00	3	11:00	3	Patchy clds throughout evening
	12	9:00	1	11:50	3	cldy at 11
	13	9:00	2	11:40	2	Some cldy during evening
	14	9:00	5	11:00	4	cldy all evening
	15	9:00	5	11:50	5	cldy & rain after midnight
	16	9-00	4	12:00	3	Showery 8 pm cleared 9:30
	17	9:00	3	12:00	1	Partly cld early cleared later.
	18	9:00	3	12:00	5	Too cldy for work.
	19	9:00	4	12:00	4	Large ~~patchy~~ patchy clds all night.
	20	9:00	5	12:00	1	cldy till 11 then cleared.
	21	9:00	4	12:00	2	all cldy again at 12:25 cldy early, cleared 11 pm
	22	9:00	5	12:00	5	cldy evening. Rain after midnight
	23	9:00	5	12:00	5	cldy rainy evening
	24	9:00	1	12:00	1	Storm cleared late afternoon Very dewy Damp to
	25	9:00	1	12:00	0	clear evening.
	26	9:00	3	12:05	2	Scattered clds throughout am
	27	9:00	3	12:00	4	clds & moon troublesome
	28	9:00	4	11:30	= 4	Too cldy for work
	29	9:00	5	12:00	4	Cloudy all evening.
	30	9:00	3	12:00	4	p cldd to cldy with bright moon

see next page.

July — August

Date		Time	Ob.	Time	Ob.	Time	Ob.	Remarks.
July	31	9:00	4	12:00	4			too cldy with moon at full for working.
Mean								
August	1	8:00	# 1	9:00	0	12:00	1	clear evn br. moon
	2	8:00	1	9:00	0	12.00	1	" " " "
	3	8:00	2	9:00	4	11:40	4	p cld to cldy.
	4	8:00	5	9:00	5	12:00	5	cldy & raining
	5	8:00	5	9:00	5	12:00	5	all cldy
	6	8:00	4	9:00	0	12:00	0	clear after 8:30
	7	8:00	1	9:00	0	12:00	0	Clear
	8	8	4	9	5	12	5	cldy
	9	8	3	9	2	12	4	p cld to cldy
	10	8	4	9	0	12	3	cld to clear to cldy
	11	8	1	9	0	12	0	clear evning
	12	8	4	9	3	12	4	Too cldy
	13	8	4	9	5	12	5	Cldy
	14	8	0	9	0	12	0	clear
	15	8	4	9	4	12	5	cldy
	16	7:45	5	9	5	12	5	cldy & rain
	17	7:45	5	9	5	12	5	cldy & raining
	18	7:45	5	9	5	12	5	cldy & raining
	19	7:45	5	9	0	12	0	cldy to clear
	20	7:45	5	9	0	12	4	cldy & showery
	21							
	22							
	23							

August

Date	Time	Obs.	Time	Obs.	Time	Obs.	Remarks
Aug. 24							
25							

Monday July 5, 1909.

Telescope etc arrived this evening; but not able to get it ready for use.

Tues. July 6, 1909

Set up mounting and tested it on meridian and pole star.

Wed. July. 7, 1909

L.C.-Ob. Groton N.H.

8 00 Readjusted mounting & set up tube. Experimented with setting of circles.

Set on π, δ & β Scorpio

ζ Virg. RA. 13:30 +0.0
16:00
2:30 W

Ob Ha. 2:34 W at ST. 16:00
Ob Dec – –1.7 = RA. 13:26

Spica RA. 13:20 –10.6
16:02
2 42 W

Ob Ha. 2:44 W at 16:02 S.T.
Ob Dec = –12.5 = RA. 13:18

Arcturus RA. 14:12 +20.0
16:03
1:51 W

= RA. 14:5

1:58 W at 16:3 & +18.4

δ Herc 17 12 +25.0
16 04
1 8 E

= RA. 17:7

1:01 E at 16:06 & +27.5

July 7, 1909

γ Aquil 19 43 +10.5
16 8
3 35 E

3:30 E +13:1 at 16:09 S.T.
=RA 19:39
S S Cygni 213843

16:20
5:18 4E
21:38
+46..1

est <11.0

Sky 0 at 9:00

Telescope heavily dewed as early as 9:00.

Shall prepare hot water bag tomorrow ready for use.

— 111
1 11
— 12

(Thurs) July 8, 1909

L. C. Ob. Groton N.H.

Set up telescope; but sky covered with clouds before any observing could

9 10 be done.

Fri July 9, 1909

L.C.Ob. J.D. 84987 Groton N.H.

8 30	Too cldy			
9 00	Sky 0			
	R Comae	115919	est 8.2	
8 45				16:00 4:0 w +19.8
	T Can Ven	122532	est 9.5	16.08 3 40 w +32.0
	R Urs Maj	103769	est 7.8	16 15 5 40 w +69.8
	T Urs Maj	123160	est 7.8	16 20 3 50 w +60.4

July 9, 1909

S UrMaj	123961	est 9.3	16 23 3 43 w +61.9
RS UrMaj	123459	est 9.1	16 26 3 47 w +59.2
R Virg	123307	est 11.7	16:32 4 0 w +7.2
SS Virg	122001	est [illegible]	16:40 4 22 w +1.4
RT Virg	125705	est 8.7	16 50 3 53 w +5.4

July 9, 1909

U Virg	124606	est 7.7	
			16 58 4 12 w +6.6
R Can Ven	134440	est 11.0	
			17:05 3 21 w +40.4
Y Drac	093178	est <11.8	
			17 15 7 40 w +77.2
X Urs Maj	083350	est 11.7	
			17 22 8 49 w +50.4
Y Virg	122803	est 9.0	alt low
			17 30 5 0 w -3.1

July 9. 1909

	RU Virg	124206	est 9.0	17 35 4 53 W +4.4
	V Virg	132202	est 8.5	17 38 4 16 W -2.4
	S Virg	132706	est <12	17 42 4 15 W -6.4
10 37	RY Ophi	181103	est 12.0	17 52 0 19 E +3.0
	R aquil:	190108	est 9.8	18 00 1 0 E +8.4

July 9, 1909

X Oph	183308	est 7.0	
			0 29 E 18 4 +8.2
U U Min	141567	est 11.3	
			18 12 4 0 W +68.2
U Boot	144918	est 10.2	
			18 20 3 30 W +18.4
SS Herc	163807	<11.8	
		~	18 30 2 4 W +7.4
		20 131 3 14 — 12	L. P. P

Tues July 13, 1909

H.C. Obs Easton N.H. · D 8501

8 55	V Librae	143419	est 11.3	16 25 1 50 w −17.4
	Y Librae	150605	est 11.0	16 30 1 24 w −5.5
	RS Lib.	151822	est 12.0	16 38 1 20 w −22.4
	R Librae	154715	est 10.4	16 44 0 58 w −15.2
	RR Lib.	155018	est 9.5	16 50 1 0 w −18.4

July 13, 1909

Z Scorp.	160021	est 8.8	16 56 0 54 w -21.4
RX Scorp.	160524	est 10.0	17 0 0 55 w -24.2
Y Scorp	162319	est 10.1	17 4 0 40 w -19.2
RZ Scorp.	155823	est 8.8	17 8 1 10 w -23.4
V Oph	162112	est 8.1	17 17 0 55 w -12.8

July 13, 1909

T Camel	043065	est 10.2	17 25 13 00 W +66.8
S Urs Min	153378	est 10.0	17 32 2 0 W +78.8
SS Cygni	213843	est 11.4	17 36 4 2 E +44.0
X Cygni	194632	est 5.6	17 40 2 6 E +32.2
R Serp	154615	est 7.4	17 43 2 0 E +15.2

July 13, 1909

	R Drac	163266	est 8.6	17 50 1 18 w +66.9
	R Camel	142584	est 9.6	17 56 3 25 w +85.2
	R Coronae	154428	est 11.5	18 2 2 ~~18~~ w +28.7
10 36	R Oph	170215	est 11.3	18 6 1 5 w −15.2
	Z Oph	171401	est 8.5	18 10 a 5.6 w +1.0

July 13, 1909

174406	RS Oph	est 11.6	18 14 0 30 W -6.6
180531	T Herc	< 12.8	18 20 0 15 E +31.4
175519	RY Herc	est 11.9	18 30 0.35 E +19 2
X Coronae	154536	est 12.0	18 38 2 54 W +36 3
Z Coron.	155229	est 9.3	18 42 2 50 E +39.8

July 13, 1909

15 17 31	S Coronae	est 10.2	
			18 50 3 33 w +31 4
V Coron	15 46 39	est 115	
			18 56 3 10 w +39.0
RR Herc	16 01 50	est 8.8	
			19 2 3 0 w +50.4
		27 158 1 15 — 12	V. P

Sat July 17, 1909

L. C. Ob. Groton Mass. J.D. 8505

9:00 sky	3		
9:30 sky	1		
T Urs Min	133273	est 12.0	
			17 10 3 35 W +73.8
R Boot	143227	< 12.0	
			17 17 2 45 W +27.4
W Coron	161138	est 11.0	
			17 22 1 10 W +38.2
U Herc	162119	est 11.1	
			17 27 1 6 W +19.2

July 17. 1909

W Lyrae	181136	est 11.0	
			17 34 0 36 E +36.3
RZ Aur	183225	est 9.5	
			17 39 0 54 E +25.0
185032	RX Lyr.	11.8	
			17 48 1 0 E +32.4
185634	Z Lyrae	est 12.0	
			17 52 1 5 E +344
185737	RT Lyr.	est <12	
			17 58 1 0 E +37.4

July 17, 1909

TZ Cyg	191350	est 10.0 set high	18 5 1 10 E +50.2
191637	U Lyr.	11.6	18 12 1 4 E +37.4
TY Cyg	192928	est 10.5	18 20 1 9 E +28.8
193449	R Cyg.	est 8.0	18 28 1 10 E +49.9
194048	RT Cyg	est 7.0	18 33 1 8 E +48.4

July 17/1909

Wx Cyg	201437b	at 10.8	18 40 1 35 E +37.7
U Cyg	201647	at 7.0	18 48 1 29 E +47.2
202954	ST Cyg	9.0	18 55 1 34 E +54.4
204846	RZ Cyg	<12	19 00 1 50 E +46.2
T Cph	210868	at 6.2	19 10 2 5 E +69.2

July 17, 1909

S Ceph	213678	8.0 est	
			19 15 2 30 E +79.0
SS Cyg	213843	est 120	
			19 20 2 36 E +43.8
S Lacert.	222439	est 10.2	
			19 28 3 0 E +39.9
R Lacert	223841	est 11.3	
			19 35 3 5 E +41.8
V Cass	230759	est 94	
			19 42 3 28 E +59.3

July 17, 1909.

Z Cas	233956	est 9.5	
			19 50 3 40 E +56.2
RR Cas	235053	est 11.7	
			19 54 3 56 E +53.3
R Cas	235350	<12.0	
			20 00 3 53 E +50.8
Y Cas	235855	est 9.2	
			20 5 3 53 E +55.4
T Sagittar	191017	est 9.3	
			20 8 0 58 W -17.0

July 17, 1909

~~R~~ Z Sagitt	191321	est 10.6	~~12~~ 20 13 1 0 w −21.2
RT Aquil	193311	est 11.0	20 18 0 45 w +11.2
RV Aquil	193509	< 12.0	20 25 0 50 w +9.3
T Sagittae	191717	est 9.8	20 32 1 15 w +17.4
RR Aquil	195202	est 9.7	20 38 0 46 w −2.4

July 17-1909

SY Aquil	200212	est 9.5	20 42 0 40 w +12.4
S Aquil	200715a	est 10.0	20 48 +15.4 0 40 w
RU Aquil	200812	est <12.0	20 55 0 47 w +12.2
Z Aquil	200906	est 10.5	21 0 0 51 w -6.4
R Delph	201008	est <11.8	21 4 0 54 w +8.4

July 17, 1909.

Z Delph	202817	est <11.9	21 8 0 42W +17.2
W Capric	200822	est 10.0	21 12 1 4W -22.0
S Delph	203816	est 11.1	21 17 0 40W -16.2
T Delph	204016	est 11.7	21 20 0 40W +16.2
V Aquar	204102	est 8.5	21 24 0 44W +2.2

July 17, 1909

W Aquar	204104	est 11.8	21 30 0 50 W -4.2
U Capric	204215	<12.0	21 36 0 55 W -15.2
V Delph.	204318	est <12.0	21 40 1 0 W +18.2
T Aquar.	204405	est 9.8	21 44 1 0 W -5.2
X Delph.	205017	est 8.8	21 49 1 0 W +17.4

July 17, 1909

R Vulpec	205923	est 7.4	21 53 0 52 W +23.3
R Equulei	210812	est 9.0	21 57 0 50 W +12.8
X Peg	211614	est 9.5	22 1 0 44 W +14.4
RR Peg	214024	< 11.9	22 4 0 24 W +24.8
RT Peg	215934	est 12.0	22 8 0 10 W +34.4

July 17 1909

T Peg	220412	<12.0	22 12 0 10 W +12 0
~~RS Peg~~.	220613 Y Peg.	<12.0	22 18 0 12 W +13 3
RS Peg.	220714	est 11.1	22 20 0 15 W +14 5

43 191
9 24 L.P.P.
— 12
— —

Wed. July 21, 1909

L.C. Obs Groton N.H. JD 8509

Too cldy early. Heavy cumulous clds overearly.

11 00 Sky cleared, will try exposing plates for light of sky.

see below.

Plate A No 1

Large apert. exposure started 11:42:00 E.M.T.

1st exp. stopped at 11:47:00 E.M.T. Sky clear except low down near northern horizon.

2nd exp. Small apert, exposure started at 11:49:00 E.M.T. ended at 11:54:00 E.M.T. Same sky conditions at 1st exposure. Somewhat dewy. Two expos. above pointed at zenith. Haze approaching at 11:52

3d. exp. Small apert pointed to milky way in Sagittarius, West of South Started plate at 11:57:00 stopped at 12:02:00 Sky becoming more hazy and cldy, probably should reject this plate with the last two exposures. Conditions too uncertain to repeat on the second plate of batch A. Temp. 62° F. 12:10

July 21, 1909

1220 Sky all cldy.

Sat July 24 1909

L.C. Obs Groton Mass. J.D. 8512

9 00	Sky clear but very moist & damp too much so for observing.			
10 00	Somewhat better, will try observing			
	S Serp	151714	est 10.0	18 32 3 15 W +14 2
	T Oph.	162815	< 12	18 40 2 12 W -16.5
	S Oph.	162816	< 11.8	18 45 2 17 W -16.8
	X And	001046	est 8.2	18 55 5 15 E +46.4

July 24, 1909

T Cas	001755	est 11.4	19 02 5 18 E +55.0
y Cep	003179	est 11.4	19 12 5 16 E +79.4

Photos of sky light. Times E.M.T.

Plate group A No 2 (other plates not exposed on July 21, 1909.) 1st Exp. at 11:10:00 & stopped at 11:15:00
2nd exp 11:16:10 stopped at 11:21:10
3d exp 11:23:00 " " 11:28:00

Sky clear during all exposures. Temp 47° Fht at 11:30:00 E.M.T.

8 T And	001726	est 11.0	20 5 4 13 E +26.4

July 24, 1909

	R And	001838	est 11.5	
				20 12 4 6 E +38.4
	U Cas	004047	est <11.0	
				20 18 4 24 E +47 6
	RW And	004132	est 9.2	
				20 22 4 20 E +32.8
	V And	004435	11.2 est	
				20 26 4 20 E +35.5
	RR And	004533	est 9.3	20 31 4 14 E +33.2

July 24 1909

RV Cas	004746	<12.0	20 36 4 13 E +46.4
W Cas	004958	est 9.5	20 40 4 10 E +58.2
V And	010940	<12.0	20 46 4 24 E. +40.3
RU And	013238	est <11.8	20 50 4 40 E +38.5
Y And	013338	est <11.8	20 53 4 40 E +39.1

July 24, 1909

X Cass	014958	est 9.3	20 58 4 50 E +58.4
U Persei	015354	est 10.8	21 2 4 50 E +54.2
W And	021143a	est 8.1	21 8 5 3 E +43.2
S Persei	021558	~~ST Per~~ est 10.1	21 12 5 2 E +58.8
RR Per	022150	est 11.6	21 18 5 3 E +50.3

July 24th 1909

R Triang	023133	est 9.2	21 22 5 10 E +33.2
W Per	024356	est 11.4	21 28 5 15 E +56.4
Y Per	032043	est 8.9	21 33 5 45 E +43.3
R Arietis	021024	est 7.7	21 39 4 30 E +24.4
R Per	032335	est 8.8	21 45 5 40 E +35.2

20
7

21
31
12

L. P. P.

Sun July 25, 1909

L.C. Ob. Exeter N.H. J.D. 8513

V Bootis	142539	est 7.3	17 02 2 37 W +39.3
RT Lib.	150018	est 11.6	17 8 2 10 w −18.3
T Librae	150519	est 11.5	17 13 2 9 W −19.8
S Librae	151520	est 10.1	17 18 2 3 w −20.2
RU Lib.	152714	est 10.8	17 22 1 55 W −14.4

July 25, 1909

U Lib.	153620	est 10.0	17 26 1 50 w -20.6
U Serp	160210	~~est~~ 10.1	17 32 1 30 w +10.1
S Scorpii	161122b	est 11.6	17 36 1 25 w
R Scorpii	<11.8		-22.4
W Oph.	161607	est 10.4	17 40 1 24 w -7.6
W Herc	163137	est 9.1	17 44 1 13 w +37.2

July 25, 1909

RR Oph	164319	est 11.8	17 50 1 10 m −19.4
S Herc	164715	est 8.0	17 55 1 8 m +15.6
RV Herc	165631	Est < 11.0	18 00 1 4 m +31.4
W Draco	180565	est 9.6	18 8 0 0 +65.6
X Draco	180666	est < 11.9	18 9 0 8 +66.0

July 25/1909

SV Herc	18222c	est <11.4	18 15 0 7 E +24.8
RX Sag	~~19~~ 190818	est <11.8	18 18 0 50 E −18.4
RW Sag	est 11.0	190819a	
W Aquil	191007	est 8.1	18 22 0 ~~48~~ E −7.4
R Sagitt.	191019	est <11.7	18 26 0 46 E −19.4
S Sagitt	191319	est <12.0	18 30 0 43 E −19.5

July 20, 1909

194604	X aquilae	est 12.0	18 34 1 10 E +4.4
RS Aquil	195308	est <12.0	18 40 1 15 E -8.4
Y Aquar	203905	est <11.8	18 48 1 51 E -5.4
RS Aquar	210504	est 9.5	18 52 2 15 E -4.3
Z Capric	210516	est 9.5	19 00 2 08 E -16.4

July 25, 1909

RR Aquar	210903	est 8.6	19 8 2 0 Σ −3.2
T Capric	211615	est 10.0	19 20 1 55 Σ −15.4
Y Capric	212814	<11.6. est	19 28 2 0 Σ −14.0
V Pegasi	215605	est 8.4	19 35 2 20 Σ +5.2
RW Peg	225914	<11.8	19 42 3 18 Σ +14.3

July 25, 1909

R Pegasi	230110	<11.8	19 50 3 13 E +10.0
W Peg	231425	est 11.7	19 56 3 20 E +25.4
S Pegasi	231508	est 11.4	20 00 3 15 E +8.2
S T And	233335	est 10.2	20 12 3 20 E +35.4
Z Pegasi	235525	est 11.2	20 20 3 35 E +25.2

July 25, 1909

U Aquar	215717	est 11.4	20 30 1 25 E −17.6
X Aquar	221321	est 11.6	20 42 1 30 E −21.2
RT Aquar	221722	est 11.0	20 50 1 27 E −22.2
S Aquar	225120	<11.7	21 00 1 50 E −20.8
R Aquarii	233815	est 7.2	21 20 2 20 E −15.5

July 25, 1909

Z Aquar 234716 est ~~11~~ 9.4

21 28
2 20 E

-16.8

V ~~X~~ Ceti 235209 est 11.2

21 12
2 40 E

-9 8

32 243
11 42
— 12

L. P. P.

Monday August 2, 1909

L.C. Obs. Exeter N.H. JD 8521

Y Librae 150605 est 11.5

17 20
2 15 W

-5.4

RS Lib 157822 ~~1527~~ est <11.8

17 28
2 10 W

-22.7

156715 R Librae est 10.0

17 33
1 48 W

-15.4

155018 RR Librae est 9.1

7 40
1 50 W

-18.2

RZ Scorp. 155823 est 9.4

17 47
1 50 W

-23.3

Aug 2, 1909

Z Scorpii	160021	est 9.2	17 52 1 52 w −21.2
RX Scorpii	160524	est 10.8	17 58 1 53 w −24.2
V Oph	162112	est 7.6	18 2 1 40 w −12.4
Y Scorp.	162319	est 9.7	18 8 1 46 w −19.6
S Scorp	151714	est 9.5	18 15 3 0 w +15.2

Aug 2, 1909

SS Herc 162807 est 10.6

18 22
1 54 w
+7.4

W Herc 163137 est 8.5 —

18 30
2 0 w
+38.2

W Coron 161138 est 11.5 —

18 35
2 23 w
+38.4

RR Herc 160150 est 9.0

18 41
2 50 w
+50.8

U Herc 162119 est 10.0

18 48
2 28 w
+20.2

14 257
1 43
— 12

L. P. P.

(Fri) Aug 6, 1909

L.C. Ob. Exeter N.H. - J.D. 8525

Exposures on sky with box camera.

First plate. B

First Exp started 9:21:00 ended 9:26:00
Sec " " 9:27:30 " 9:32:30
Third " " 9:34:45 " 9:39:45

Sky clear at start of 1st exposure & at end of 3d

Second Plate B

First expos. started 9:46:30 ended 9:51:30
Sec " " 9:52:17 " 9:57:17
Third " " 9:58:20 " 10:03:20

Sky clear at start of 1st exp. & at end of 3d

Temp A. 58°.5

SS Cyg 213843 est 8.2

19.25
2 13 E

+44.0

R Coronae 154428 est 11.2

19 35
3 50 W

+29.0

Aug 6, 1909

X Coron	154536	<12.0	19 42 4 0 w +36.4
V Coron	154639	est 11.9	19 48 4 0 w +39.8
Z Coron	155229	est 9.1	19 54 4 4 w +30.2
R Drac	163266	est 7.8	20 00 3 30 w +67.4
S Herc	164715	est $8.\overset{0}{7}$	20 8 3 20 w +15.8

Aug 6. 1909

R Aquil	190108	est 9.0	20 15 1 18 m +8.8
191017	T Sagittae	est 8.5	20 20 1 10 m ~~+17~~ +17.2
191321	Z Sag.	est 10.4	20 24 1 10 m −21.2
X Oph.	183308	est 7.5	20 30 2 0 m +8.4
RY Oph	181103	est <11.8	20 38 2 27 m +11.0

Aug 6, 1909

T Herc	180531	est 11.7	20 44 2 40 W +31.8
RY Herc	175319	est <11.8	20 50 3 0 W +20.4

11 268
3 46 L.P.P.
— 12

Sat Aug 7. 1909

L.C. Obs J.D. 85-26 Exeter N.H.

115919 R Comae 8.5 est

alt low

17 12
5 12 w
+19.2

122532 T Can Ven est 10.2

17 18
4 53 w
+33.2

083350 X Urs Maj est 10.6

17 24
8 51 w
+52.4

103769 R Urs Maj est 8.7

17 30
7 0 w
+69.8

T Urs Maj 123160 est 9.0

17 38
5 10 w
+60.8

~~#6~~ Aug 7/1909

Plates Com sky

1st Plate

1st exp started 9:29:00 ended 9:34:00 E.M.T.
2nd exp " 9:35:00 ended 9:40:00 "
3d " " 9:42:00 " 9:47:00 "

Sky clear at beginning & at end

2nd Plate

1st exp started 9:51:30 ended 9:56:30
2 " " 9:57:30 ended 10:02:30
3 " " 10:04:00 " 10:09:00

Sky clear

Temp = 58° F.

R Can Ven 134440 est 10.2

19 50
6 0 W

+40 P

T Urs Min 133273 est 10.9

19 58
6 25 W

+73 P

Aug 7, 1909

141567 U Urs Min est 10.9

20 4
5 50 w
+67.8

142584 R Camel est 8.7

20 12
5 50 w
+85.2

143227 R Bootis est 11.0

20 20
5 50 w
+27.4

144918 U Boot. est 10.0

20 24
5 34 w
+188

151731 S Coron est 10.7

20 29
5 12 w
+31.8

Aug 7, 1909.

S Urs Min	153378	est 10.4	20 36 5 0 w +79.2
SS Cyg	213843	est 8.2	20 40 1 0 E +45.2
RV Aquil	193509	<12	20 48 1 10 w +9.2
RT Cyg	194048	est 7.7	20 56 1 18 w +48.4
TU Cyg	194348	est 11.7	21 0 1 17 w +48.8

Aug 7, 1909

X aquil	194604	est 11.8	21 8 1 20 W +4.8
χ Cyg	194632	est 6.4	21 12 1 28 W +3.2
RR aquil	195202	est 10.5	21 20 1 30 W +2.4
RS aquil	195308	< 12.0	21 30 1 40 W −8.4

19 287
2 48
— 12

LPP

Mon Aug 9, 1909

PC Obs. JD 8528 Groton N.H.

SS Cyg	213843	est 94	19 0 2 40 E +45.2
Z Cyg	195849	est 10.0	19 20 0 40 E +50.4
cldy			
SY Aquil	200212	est 10.0	19 40 0 20 E +12.4
S Aquil	200715a	est 10.5	19 52 0 17 E +15.4
Too cldy			

4 291
– 48 L.P.L.
— 12

Tues Aug 10, 1909

LCObs JD 8529 Groton Mts.

T Librae	150519	est 11.4	
			17 40 2 35 w −20.0
S Librae	151520	est 9.5	
			17 48 2 33 w −20.0
RU Lib	152714	est 10.5	
			17 52 2 25 w −14.8
U Librae	153620	est 9.4	
			17 56 2 20 w −20.2
W Oph	161607	est 10.0	
			18 02 1 46 W −7.6

Aug 10, 1909

SS Cygni	213843	est 9.8	18 06 3 30 E +45.4
R Coronae	154428	est 10.8	18 10 2 26 W +28.4
RR Ophi	164319	est 11.5	18 15 1 30 W −19.8
R Ophi	170215	est 10.0	18 22 1 20 W −15.4
171401	Z Ophi	est 8.0	18 28 1 16 W +1.4

Aug 10, 1909

RU Ceph	172809	est <12.0	
			18 40 1 ro4 −9.2
RS Ceph	174406	est 11.6	
			18 50 1 AW −6.4

11 302
1 49
— 12 L.P.P

Wed Aug 11, 1909

L C Obs J.D. 85-30 Exeter N.H.

SS Cygni 213843 est 10.0

17 40
4 00 E
+45.0

R Serp 154615 est 8.2

17 48
2 0 W
+16.2

S Boot 141954 est 11.2

18 00
3 40 W
+55.8

U Serp 160210 est 9.8

18 6
2 4 W
+10.0

RU Herc 160625 est 12.0

18 12
2 8 W
+26.0

Aug 11, 1909

RS Herc	171723	est <12.0	18 20 1 0 W +24.2
191007	W Aquil	est 7.8	18 28 0 40 E −7.4
T Sagitt	191017	est 8.8	18 34 0 36 E −17.4
T Sagittae	191717	est 10.0	18 40 0 38 E +17.8
RT Aquil	193311	est 11.8	18 48 0 45 E +11.8

Aug 11, 1909

W Capric	200822	est 10.7	19 0 1 10 E -22.8
Z Aquil	200906	est 9.6	19 8 1 0 E -6.4
U Cygni	201647	est 7.0	19 12 1 ~~8~~ E +48.2
Z Delph	202817	est 12.0	19 20 1 10 E +18.4
δ Delph	203816	est 11.0	19 28 1 10 E +16.8

Aug 11, 1909

VW Aquar	204102	est 8.6	19 36 1 3 E +2.4
ST Cyg	202954	10.0 est	19 42 0 49 E +55.4
V Drac	175654	est 11.8	20 0 2 10 W +55.2
W Drac	180565	est 9.4	20 10 2 8 W
X Drac	180666	<11.8	+66.2
W Lyrae	181136	est 10.0	20 16 2 8 W +37.2

Aug 11, 1909

RZ Her	183225	est 9.6	20 22 1 50 W +26.4
RX Lyr	185032	est <12.0	20 28 1 40 W +33.4
SV Her	182224	est <11.8	20 35 2 15 W +25.2
TZ Cyg	191350	est 9.5	20 42 1 30 W +50.8
W Lyrae	191637	est 11.8	20 50 1 36 W +38.4

Aug 11, 1909

TY Cyg	192928	est 11.6	
			20 5 6 1 29m +29 2
R Cygni	193449	est 8.5	
			21 2 1 30m +50.8

25 327
3 52
— 12

L. P. P.

Sat Aug 14, 1909.

L.C. Obs J.D. 8533 Easton. N.H.

SS Cygni	213843	est 11.2	18 0 3 40 E +45.4
RZ Cyg.	204846	<12.0	18 10 2 40 E +47.1
RVulpec	205923	est 9.1	18 16 2 45 E +23.9
TW Cyg.	210129	<12.0	18 22 2 40 E +30.2
X Cephei	210382	<12.0	18 30 2 30 E +83 C

Aug. 14, 1909.

T Cephei	210868	est 6.9	18 34 2 36 E +69.2
S Cephei	213678	est 7.8	18 42 2 56 E +79.4
RU Cyg	213753	est 8.0	18 50 2 50 E +53.9
RT Peg	215934	est <12.0	18 58 3 0 E +35.0
S Lacertae	222439	est 9.5	19 4 3 22 E +40.2

Aug 14 1909

R Lacert	223841	est 11.9	
			19 10 3 30 E +42.0
V Cas	230759	est 8.5	
			19 16 3 50 E +60.2
Z Cas	233956	est 10.6	
			19 20 4 22 E +56.9
RR Cas	235053	est < 11.9	
			19 25 4 27 E +54.2
R Cas	235350	est < 12.0	
			19 30 4 25 E +51.0

Aug 14, 1909

Y Cass	235855	est 10.2	19 37 4 20 E +56.0
W Aquar	204104	est 10.8	19 42 1 0 E -4.8
U Capri	204215	est <11.8	19 50 0 50 E -15.8
T Aquar	204405	est 8.5	19 54 0 50 E -6.2
V Delph	204318	est <12.0	20 00 0 45 E +18.9

Aug 14 1909

X Delph	205017	est 10.0	
			20 06 0 45 E +18.0
RS Aquar	210504	est 9.1	
			20 10 0 55 E -4 0
Z Capri	210576	est. 10.5	
			20 16 0 50 E -16.0
R Equulei	210812	est 10.3	
			20 20 0 50 E +12.2
RR Aquar	210903	est 10.0	
			20 25 0 45 E -3.0

Aug 14, 1909

X Peg	211614	est 8.8	20 30 0 48 E +15.0
T Capric	211615	est 10.0	20 35 0 40 E −16.0
Y Capri	212814	est <11.8	20 40 0 50 E −14.6
RR Peg	214024	est <12.0	20 48 0 50 E +25.2
V Peg	215605	est 9.8	20 55 1 0 E +6.0

Aug 14, 1909

T Peg	220412	< 12.0	
			21 0 1 5 E +12.4
Y Peg	220613	< 12	
			21 5 1 0 E +13.2
RS Peg	220714	11.8	
			21 8 1 0 E +13.9
RW Peg	225914	ext 11.7	
			21 12 1 46 E +14.8
R Peg	230110	ext 11.4	
			21 16 1 43 +10.8

Aug ~~7~~ 14, 1909

W Peg	231425	est 11.0	
			21 22 1 54 E +25.8
S Peg	231508	est 11.8	
			21 30 1 48 E +8.4
U Aquar	215717	est 11.8	
			21 38 0 20 E −18.0
X Aquar	221321	est 11.8	
			21 45 0 30 E −21.8
RT Aquar	221722	est 10.2	
		28 335 12 60 — 12	21 50 0 27 E −22.2

L. P. P.

Thur Aug 19, 1909

P.C. Obr Groton Mass. J.D. 85-38

	First Plate Ser D.			
	Begun	Ended		
1st Exp.	9:18 30	9:23:30	Sky clear	Zen Full
2nd	9:24:40	9 29:40	"	Zen Small
3d	9:32:00	9:37:00	Sky clear	Milky Way small
	Sec Plate Ser D.			
1st Exp	9:45:30	9:49:30	Sky clear	Zen full
2nd "	9 51 30	9 56 30	"	Zen small
3d "	9 57 15	10:02:15	"	Milky Way small

Temp 59° F

X Andr	001046	est 9.6	
			20 30 3 42 E +47.0
T Andr	001726	est 9.6	
			20 38 3 40 E +27.2

Aug 19, 1909

T Cass	001755	est 9.6	20 42 3 38 E +56.0
R And	001838	est 8.8	20 50 3 20 E +38.9
Y Ceph	003179	est 10.6	20 56 3 34 E +80.2
U Cass	004047	est 10.4	21 2 3 40 E +48.0
RW And	004132	est 8.5	21 8 3 32 E +33.0

Aug 17, 1909

004435 V Andr est 94

21 12
3 30 E

+36.0

004533 RR Andr est 10.0

21 16
3 30 E

+33.9

SS Cygni 213843 est 11.8

21 20
alt high 0 20 E

Obs diff +45.2

10 365 L.P.P.
64
12

21 52
21 38

+ 14

10 30
9 20

379
419
121

300