KG
11365
762

8 inch Polar Telescope
No. I.
J.D. 8228 — 8864
Records.

KB11365.762

KG 11365.762

HARVARD
UNIVERSITY
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JUL 17 1956

Tuesday Oct. 13, 1908

8228 6 8" Polar Telescope. L.C. Obs. J.D. 8228

Experiments with the new 8" ~~telescope~~

S' S' Cygni 213843

21 38 +43 6
23 08
1 30 W see below

RW Pegasi 225914.8 est Var = 13.2
Var & comp both seen but with difficulty

22 58 +14.5
23 16
0 18

23 0 +14.7
23 18
0 18W

Set R.A. index on Dm +14° 4926 (2.0)
at 23:20 S.T. = 0:20 W
9 44 Dec reading = +14.8 23:27
22:59 0:28W
+14.9

S' S' Cygni 213843.1 est 10.6

21 38 +43.6
9 50 23 28
1 50 W L.V. = 12.6

23:33
1:55W
+43.2
21:38

χ Cygni 194632.7

19 42 +33.4
23 37
9 57 3 55 W can go only 3 h west with present conditions at this decl

Oct 13, 1908

8228 6

	R U Cygni 213753.9 est 8.5		
10 9	21 38 +54.4 23 42 2 4 W		23:52 2:15W +53.7 21:37
	RT Pegasi 215934.6 est 10.8		
10 14	21 58 +34.6 23 54 1 56		22:0 23:57 +34.7 1:57W
	R Pegasi 230110.0 est 8.6		
10 27	23 1 +10.0 23 58 0 57W	23 5 +9.0 24 5 1 0W	23:2 0:10 1:8W +10.0
	V Cassiop 230759.1 est 10.7		
10 32	23 6 +58.5 24 11 1 5W		+59.0 0:15 1:9W 23:6
8228.7	Z Cass 233956.0 est 12.8		
10 36	23 39 +55.5 24 17 0 38 W		0:19 +56.1 0.41W 23:38

Oct 13, 1908

8228 #7

R Cassiop 235350.8 est 8.1

10 40 23 53 +50.8 — 0:32 W
24 20 — +50.8
0 27 W — 0:23
23:51

R Androm 001838.0 est 8.5

~~8228 7~~

10 44 0 19 +38.2 — 0:9 W
0 26 — +37.9
0 7 W — 0:27
0:18

T Androm 001726.4 10.7 = est

0 17 +26.4 — +26.3
10 48 0 28 — 0:14 W
0 11 W — 0:31
0:17

T Cassiop 001755.2 est 8.4

10 50 00 18 +55.2 — 0:33
00 32 — 0:17 W
0 14 W — +55.3
0:16

at 0.0 Dec can go 4h:50m East
" +10.0 " " " 5:15 East
" +20.0 " " " 5:18 East
" +30 " " " 5:30 East
" +40 " " " 5:40 "
" +50 " " " 5:55 "

8228 7

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at +60° can go 6^{h} east

at −10° " " 2:55 East
at −20° " " 1:45 East
at −30° " " 1:35 east
at −40° can't go at all
can see −34° south on meridian

at −30° can go 2^{h} west
" −20° " " $2^{h}\ 32^{m}$ "
" −10 " " 2 40 "
" 0 " " 3 33 "
" +10 " " 3 15 "
" +20 " " 2 50 "
" +30 " " 2 45 "
" +40 " " 4 10 "
" +50 " " 3 30 "
" +60 " " 1 15 "

11 20 can go to +61° on the meridian

11 11 L.P.P.

Wed Oct. 14, 1908

L.C. Obs. 8" Polar. P.D. 8229

SS Cygni 21 38 43.1 est 10.5

7 9 21 38 +43.6 — 20:56
20 55 — +43.2
0 43 E — 0:41 E
21:37

RV Herc 16 56 31

7 13 16 56 +31.5 — Cannot move
20 59 — more than 2:55 W
4 3 W — on acct of 60".

RY Herc 17 55 19

17 56 +19.5
21 1 — 2h 52m = limit
3 05 W — at this Dec.

T Serp. 18 23 06.2 est 11.6

7 18 18 22 +6.1 — 21:6
21 04 — +6.3
2 42 W — 2:42 W
18:24

RZ Herculi 18 32 2$^{6.0}$ est 127

7 26 18 32 +25.8 — 2:41 W
21 8 — 21:14
2 36 W — 18:33
+25.9

Oct 14, 1908

8229 5

RY Lyrae 184134.6 est 12.0

7 29
1841 +34.4
21 15
2 34 W

2:35 W
+34.4
21:17
18:42

RW Lyrae 184243.5 est 12.4

7 33
18 43 +43.4
21 19
2 36 W

2:37 W
+43.5
21:21
18:44

RX Lyrae 185032.7 est 11.7

7 36
18 50 +32.8
21 22
2 32 W

2:34 W
+32.6
21:24
18:50

RT Lyrae 185737.4 est 11.3

7 41
18 57 +37.5
21 26
2 29 W

+37.8
21:29
2:32 W
18:57

V Lyrae 190529.5 est <12.4

7 44
19 5 +29.7
21 30
2 25 W

2:27 W
+29.4
21:32
19:5

Oct 14, 1908

8229 5

RS Lyrae 190933.2 est 12.2

7 47 19 9 +33.0
21 33
2 24W

+33.3
2 25W
21 35
19 10

RU Lyrae 190941.1 est 11.0

7 49 19 9 +41.0
21 36
2 27W

2:28W
+41.0
21 37
19:9

TZ Cygni 191350.0 est 10.8

7 51 19 13 +50.0
21 38
2 25W

2:27W
+49.8
21:39
19:12

U Lyrae 191637.7 est 11.0

7 56 19 16 +37.0
21 40
2 24

+37.8
19:17 2:27W
21:44

TY Cygni 192928.1 est 11.5

7 58 19 29 +28.0
21 45
2 16 W

2:17W
+28.1
21:46
19:29

Oct. 14, 1908

8229 5

R Cygni 19.3449 50.0 est 10.5

8 00
19 34 +499
21 48
2 14W

2:15W
+49.8
21:48
19 33

RT Cygni 194048.5 est 12.0

8 2
19 40 +48.5
21 49
2 9W

2:11W
+48.6
21:50
19:39

TU Cygni 194348.8 est 11.7

8 5
19 43 +48.5
21 51
2 8 W

2:10 W
+48.8
21:53
19 43

X aquilae 194604.2 est 9.1

~~8229 6~~

8 11
19 48 +4.0
21 54
2 6 W

2:12W
+4.8
21:59
19 47

8229.6 X Cygni 194632.7 est 11.8

8 16
19 43 +33.3
22 00
2 17

2:17W
+32.7
22 4
19:47

8229 6

Oct 14, 1908

RR Aquilae 195202.2 est 12.1

8 19
19 52 −2.3
22 5
2 13 W

2 14 W
−2 1
22 7
19:53

Z Cygni 195849.8 est 9.4

8 21
19 59 +49.8
22 8
2 09 W

2 12 W
+49.6
22 9
19:57

R Delph 201008.8 est 12.6

8 24
20 12 +8.5
22 10
1 58 W

+8.8
2 2 W
22:12
20:10

SX Cygni 201130.8 est 10.8

8 26
20 11 +30.8
22 13
2 2 W

2:2 W
+30.7
22 14
20:12

WX Cygni 201437.6 est 11.8

8 27
20 14 +36.8
22 14
2 0 W

2 1 W
22 15
+37.2
20:14

Oct. 14. 1908

8229 6

V Sagittae 2015 20.8 est 11.6

20:15

8. 31
20 18 +20.8
22 17
2 3 W

22:19
2:04 W
+20.6

U Cygni 2016 47.6 est 9.0

8 34
20 16 +475
22 20
2 4 W

2:5 W
+47.3
22 22
20:17

pW Cygni 2025 39.6 est 9.0

~~2:0 W~~

8 36
20 19 +39.8
22 23
2 4 W

22:24
1.59 W
+39.5
20:25

Z Delphini 2028 17.1 est 12.0

8 39
20 28 +17.5
22 25
1 57 W

1.59 W
+17.2
22:27
20:28

SV T Cygni 2029 54.6 est 11.5

8 42
20 29 +54.3
22 29
2 0 W

2 1 W
~~+11.0~~
20:29 +54.6
22:30

8229 6

Oct. 14. 1908

Y Delph. 2036 11.5 <12.2

20:36

8 48 20 36 +11.0
22 31
1 55 W

1:58 W
+11.5
22:34

S Delph. 203816.7 est 11.2

8 50 20 38 +16.7
22 35
1 57 W

1:58 W
+16.8
22 36
20:38

T Delph. 204016.0 est <12.4

8 52 20 41 +16.0
22 37
1 56 W

1 57 W
+16 0
22 38
20:41

V Cygni 203847.8 est 11.2

8 55 20 38 +47.8
22 39
2 1 W

2:3 W
+47.7
22 41
20:38

V Aquarii 204102.1 est 8.7

8 57 20 42 +2.1
22 42
2 0 W

2:1 W
+2.1
22:43
20:42

Oct. 14, 1908

8229 6

19.0
V Delph. 204318 est 12.9

20:43

8 58 20 42 +18.8 2:3 W
22 44 22:46
2 2 W +18.8

47.0
RZ Cygni 204846 est 12.8
var susp

20 48 +47.2 2:4 W
9.03 22 48 +46.8
2 0 W 22:51
20:47

X Delph. 205017.3 est 9 6 = X = North

9 6 20 50 +17.2 2:5 W
22 52 +17.2
2 2 W 22:54
var ? = southern = <12.4 20:51

UX Cygni 205030.0 est 11.0

9 9 20 51 +30.0 2:6 W
22 55 22:57
2 4 W +30.0
20:51

X Pegasi 211614.0 est 12.4 [illegible]
21 16 +13.9 prob not seen ∴ <12.4
9 13 22 58 23:1
1 42 W 21:16 =
1:45 W
+14.1

Oct. 14, 1908

8229 6

RR Pegasi 214024.6 est <12 6 ~~diff~~

9 16 21 40 +24.5 23.4
23 02 +24.5
1 22 W 1:25 W
21:39

V Pegasi 215605.6 est 10.0

9 18 21 56 +5.5 1:11 W
23 06 +5.6
1 10 W 20:6
21:55

X Aquarii 221321.4 est

22 12 -21.5
23 08
0 56 W clouds

9 40 Too much scattered clouds

8229 6

35 46 L.P.P.
6 6

Tues Oct. 20, 1908

L.C. Obs 8" Polar J.D. 8235 —

8235 5 R Coronae 154428

7 14 fLg est 6.2

R Scuti 184205

7 15 fLg est e2,4 f

RS Herc 171723 est 10.9 L.C. Obs

7 ~~4~~3 8
17 19 +23.0
21 39
4 20 W

21:49
4,32 W

+23.1

RY Herc. 175519 est

17 55 +19.5
22 05 field run into 60"
4 10 W

~~8235 6~~ X Oph. 183308 est 8.0 L.C.

8 10
18 35 +8.7
22 13
3 38 W

22 18
3:45 W
/
+8.8

Oct. 20, 1908.

8235 8

NS' Cygni 213843 Est. 10.4

22 34

8 23 21 38 +431 0 54 w

22 30 +43.2

0 52 w

V Sagittae 201520 Est. 11.6

ƒ 25 20 14 +20.8 22 36

22 34 2 21 w

2 20 w

+20.7

SY Aquilae ~~2212~~ 200212 Est. 12.5

ƒ 29 20 2 +12.6 22 40

22 38 2 37 w

2 36 w

+12.7

RU Aquilae 200812 Var < 12.5

22 43

ƒ 32 20 18 +12.7 2 34 w

22 42

2 34 w + 12.7

Z Delph. 202817 Est. 11.7

ƒ 35 20 29 +17.0 22 46

22 45 2 18 w

2 16 w

Ledgered to here

+17.1

8235 6

Oct. 20 1908.

8 39	ST Cygni 202954 20 28 +54.3 22 48 2 20W Look up stars on chart	Est. 11.5 22 50 2 21w +54.6
8 45	ST Androm. 233335 est 23 33 +35.0 22 52 0 41 E Est. by Lows 9.6	10.0 LC. 23 56 0 37E +35.1
8 51	T Pegasi 220412 22 4 +11.8 23 59 1 55 w	Est. 12.8 0 2 1 58 w + 11.8
8 55	Y Pegasi 220613 22 5 + 14.0 24 4 1 59 w	Est. 11.4 0 6 2 0 w + 13.8
8 [illegible]	R. S. Pegasi 220714	Est < 12.8 0 9 2 1w. + 14.0

8235 6

Oct. 20. 1908.

	X Aquarii 221321		Est. 11.4
			0 13
10 2	22 13	−21.3	2 0w
	24 11		
	1 58w		−21.4
	RT Aquarii 221722		Est. 8.8
	22 15	−22.2	24 18
10 7			2 1w
	24 15		−22.6
	2 0 w	Extent sequense to bright end No selected star bright enough to compare with.	
	R.V Pegasi 222129		Est. 9.2
	22 21	+29.9	24 21
10 10	24 20		2 0
	1 59w		
		Est. by Lowe 9.0	+29.8
	S Aquarii 225120		Est. 12.5
10 28	22 52	−20.9	0 39
	24 32		1 47w
	1 40w		
		Obs. diffic. somew. doubtf.	−20.8
	V Cassiop. 230759		Est. 10.6
10 ~~37~~ 32	23 5	+58.5	0 43
	24 40		1 37w
	1 35w		
			+59.1

8235 6	Oct. 20 1908.	
	S Pegasi 231508	Est. 12.6
10 35	23 15 +8.6	0 46
	24 45	1 31 w
	1 30 w	
		+8.4
8235.7	Z Androm. 232848	Est. 10.7
	23 28 +48.3	0 52
10 41	24 48	1 24 w
	1 20 w	
		+48.2
~~8235 7~~	Z Cassiop. 233956	Est. 12.6
	23 39 +55.8	0 55
10 44	24 53	1 17 w
	1 14 w	
		+56.0

20 66 L.P.P.
2 8

2 2 Lowe Ok.

Oct 21, 1908 Wednesday

L.C. Obs. J.D. 8236 8" Polar

8236 5

W Lyrae 18 11 36 | Est. 12.0
18 10 +36.6 | 21 45
21 42 | 3 34 w
7 30 3 32 w
+36.6

R Aquilae 190108 | Est. 6.8
19 2 +8.1 | 21 49
7 34 21 47 | 2 48 w
2 45 w Lowe est = 6.5
+8.2

X Aquilae 194604 | Est. 8.8
19 48 +4.0 | 22 0
7 45 21 55 | 2 14 w
2 7 w Look magn. of star c
Also look star d so called 7.7 | +4.0
d.5.c c.1.b / Lowe Obs = 8.8

S Aquilae 200715a | Est. 9.8
8 3 ~~27~~ 20 7 +15.5 | 22 18
22 12 | 2 11
2 5 w
+15.3

S Cygni 200357
8 7 20 3 +57.7
22 20 Field just cut off.
2 17 w

Oct. 21. 1908

8236 6	V Cygni 203847	Est. 11.5
8 12	20 38 +48.4 ~~7~~	22 27
	22 24	1 50W
	1 46W	
		+47.8
	T Capric. 21 16 15	Est. 11.3
	21 16 −15.6	22 40
	22 38	1 23W
8 25	1 22W	
		−15.4
	R Vulpec. 20 59 23	Est. 7.7
	20 59 +23.4	22 44
8 29	22 41	1 44W
	1 42W	
		+23.5
	SS Cygni 213843	Est. 10.6
	21 38 +43.1	22 46
8 31	22 45	1 8W.
	1 7W	
		+43.2
	T Draconis 17 54 58	
	17 55 +58.2	
	22 48	
	4 53W Too far by	

Oct. 21 1908

8236 6 213753 R U Cygni Est. 8.1
21 37 + 54.3 22 51
22 49 1 15 W
8 36 1 12 W
+53.8

R Pegasi 230110 Est. 8.6
23 1 + 9.0 22 57
8 42 22 52 0 4 E
0 9 E Est. by Lowes 8.4
+10.0

DM −14.°6255 − est a 6 Var star bright.
Var? = H.R. 8508 star a = H.R. 8496 (5.6) 2 3: 8
22 14 −13.8 Var.?) has a fainter star (11.0)
8 53 23 07 south fol. ~~slightly~~ 0:54W
0 5 3 W
star a ~~foll~~ prec Var by 3^m & 0'.4 south −13.8

RW Persei 041242 ~~Est. K5, 0k~~
4 10 + 41.8 est 5k
23 10 28 12 28 11
5 0 ~~W~~ E 28 10 23 21 23 27
23 18 4 51 E 4 44 E
28 12 4 52 E
23 25
4 47 E

23 32
9 17 4 38 E
4: 10 RA
+ 42.4

Oct 21 1908

8236 6

S Ceti 001909 — Est. 10.1

9 29 — 23 44
0.35 E

Est. by Lows 10.0 — −9.8

Region found by Lows

W Pegasi 231425 — Est. 8.9

9 32 — 23 14 +25.8
23 46
0 32 W

23 47
0 32 W

+25.8

R Aquarii 233815 — Est. 10.0

9 37 — 23 36 −16.2
23 48
0 12 W

23 52
0 14 W

−15.8

Z Aquarii 234716 — Est. 8.3

9 41 — 23 47 [illegible] −16.8
23 54
0 7 W

23 56
0 10 W

−16.3

RW Persei 041248² — Est. d+3, 3f

9 49 — 4 10 +48².4
23 58
4 12 E

0 4
4 7 E

+42.3

Oct. 21 1908

8236 6 R Cassiop. 235350 Est. 8.1

0 18

0 27 w

10 03 ✶

+50.8

W Ceti 235715

23 57 −15.4

24 20

0 23

Abandoned.

Z Pegasi 23 55 25 Est. 10.0

23 55 +25.4 0 27

24 26 0 33 w

10 12 0 31 w

+ 25.2

R W Persei 041242 Est. e 2, 1 d

4 10 +42.4 3 41 E

10 15 0~~24~~ 28 0 30

3 42

+42.3

R W Tauri 035727 Est. ~~3d~~ d3, 2 e

3 56 +27.4 0 34

10 19 0 32 ~~0~~ ~~34~~

3 24 E 3 22 E

+28.1

Oct 21, 1908

8236 6	RX Androm	005840		Est. 12.0
	0 58	+40.8		0 39
	0 36			0 18 E
10 24	0 22 E		Est. difficult.	
				+ 40.7
8236.7	U Ceti	022813		Est. 7.6
	2 28	− 13.0		0 54
10 39	0 41			1 36 E
	1 47 E			
				−12.6
	— aurigae	060547		
	6 5	+ 47.5		
	0 55			
	5 10 E		Abandoned for 24 inch.	
8236 7	R W Persei	041242		Est e2,1d
	4 10	+ 42.4		1 2
10 47	1 0			3 8 E
	3 10 E			
				+ 42.2
	R W Tauri	035727		Est d4,2e
	3 56	+ 28.1		1 6
	1 4		25 9 1/8 P.P.	2 50 E
10 51	2 52 E		— 8	
			6 Lou	+ 28.0

Thurs. Oct. 22, 1908

L.C. Obs 8" Polar JD 8237

8237 5 SS Cygni 213843 est 11.2

21 38 +43.2 — 21 33

7 14 21 32 — 0 4 E

0 6 E — 21 37

+43.1

7 05 R Scuti ~~+Fl.~~ 184205 est 33 f

7 07 R Coronae ~~+Fl.~~ 154428 est 6.1

R S Herc 171723 — Est. 11.0

17 19 +23.1 — 4 21 w

7 18 21 35 — 21 37

4 16 w — 17 16

+23.1

T Herc 180531 — Est. 9.5

18 5 +31.0 — 21 40

7 25 21 39 — 3 35 w

3 34 w — 18 5

+31.0

W Lyrae 181136 — Est 9.5

7 28 18 10 +36.6 — 21 43

21 41 — 3 32 w

3 31 w — 18 11

+36.5

Record in doubt. re offin. Rejected.

Prof. should have been recorded as 115 ~~for~~ instead of 9.5 L.C. [illegible]

Oct. 22, 1908

8237 5	T Serp.	182306		Est. 10.5
7 29	18 22 21 44 3 22w	+6.1		21 48 3 24w 18 24 +6.4
	R Y Lyrae	184134		Est. 12.5
7 31	18 42 21 49 3 7w	+34.4		21 50 3 9 w 18 41 +34.7
	R W Lyrae	$184\overset{2}{\cancel{4}}43$		Est 11.8
7 33	18 43 21 51 3 8 w	+43.5		21 52 3 9 w 18 43 +43.6
	R X Lyrae	185032		Est 12.3
7 35	18 50 21 53 3 3w	+32.9		21 54 3 4w 18 50 +32 6
	R T Lyrae	185737		Est 12.0
7 38				21 57 2 59w 18 58 +37.3

Oct. 22, 1908

8237 5	R Aquilae	190108		Est. 6.8
	19 2	+ 8.0		21 58
7 39	21 57			2 57w
	2 55w			19 1
				+ 8.1
	RS Lyrae	190933		Est. 11.5
	19 8	+ 33.0		22 0
7 41	21 59			2 51w
	2 51w			19 9
				+33.2
	RU Lyrae	190941		Est 11.0
	19 9	+41.1		22 2
7 43	22 1			2 53W
	2 52w			19 09
				+ 41.2
	TZ Cygni	191350		Est 10.8
7 45	19 12	+50.0		22 4
	22 3			2 52w
	2. 51w			19 12
				+50.0
	U. Sagittae	19141~~8~~9		Est. 6.9
	19 14	+19.4		22 6
7 47	22 5			2 52w
	2 51w			19 14
				+19.4

Oct 22. 1908

8237 5	TY Cygni	192928		Est 12.2
7 49	19 29 22 7 2 ~~4~~8w 3	+ 28.1		22 8 2 39w 19 29 + 28.0
	R Cygni	193449		Est 10.6
7 51	19 34 22 9 2 35w	+ 49.9		22 10 2 36w 19 34 + 49.9
	RT Cygni	194048		Est. 11.3
7 55	19 40 22 11 2 31w	+ 48.5		22 14 2 34w 19 40 + 48.3
	X Cygni	~~19 47~~ 3 194632		Est 11.9
~~5~~ 1 7 57	19 43 22 15 2 ~~5~~2w 3	+ 33.4		22 16 2 31w 19 45 + 32.6
	SY Cygni	194232		Est. 10,5
8 1			Var. faint	22 20 2 37w 19 43 + 32.5

Oct. 22. 1908

8237 5 8 3	R R Aquilae 19 52 22 21 2 29w	195202 −2.0	Est. 12.5 22 22 2 30W 19 52 − 2.2
8 5	Z Cygni 19 58 22 22 2 24w	195849 + 49.8	Est. 10.0 22 24 2 26w 19 58 + 49.8
8 7	W W Cygni 20 0 22 24 2 24w	200041 + 41.0	Est. b 3, 2g 22 26 2 25W 20 1 + 41.3
~~8237 6~~ 8 10	SW Cygni 20 ~~X~~ 1 22 26 2 25w	200346 + 46.0	Est. d2, 3d1 22 29 2 25W 20 ~ + 46.8
8237.6 8 12	RS Cygni 20 9 22 29 2 20W	2009~~[illegible]~~38 + 38.4	Est. 8.2 22 31 2 22w 20 9 + 38.5

Oct. 22, 1908

8237 6	VW Cygni	201134		63,0 Est ~~60,2~~
	20 11	+34.0		22 33
8 14	22 32			2 22w
	2 21w			20 11
				+34.0
	RT Capric	201121		Est. 7.4
8 16	20 11	−21.6		22 35
	22 34			2 25w
	·2 23w			20 10
				−21.5
	SX Cygni	201130		Est. 11.7
	20 11	+30.8		22 36
8 17	22 36			2 26w
	2 25w			20 10
				+30.6
	WX Cygni	201437b		Est 11.6
	20 14	+37.1		22 38
	22 37			2 25w
8 19	2 23w			20 13
				+37.2
	U Cygni	201647		Est. 9.6
	20 16	+47.6		22 40
8 21	22 39			2 24w
	2 23w			20 16
				+47.5

Oct 22. 1908

8237 6	u W Cygni 201942		Est. b1, 2c
	20 19	+ 42.5	22 42
8 2~~4~~3	22 41		2 22 w
	2 22	Susp. Var. South prec.	20 20
		= e 3, 2 f	+ 43.0
	~~Suspect~~ RW Cygni 202539		Est. 8.3
	20 25	+ 39.5	22 44
8 2~~4~~5	22 44		2 19 W
	2 ~~2~~19w		20 25
			+ 39.6
	V Sagitta 201520		Est 11.25
8 27	20 14	+ 20.2	22 46
	22 45		2 32 W
	2 31 w		20 14
			+ 20.7
	W Delph. 203317		Est. c 2, 3 d
8 30	20 33	+17.9	22 49
	22 47		2 15 W
	2 14 w		20 34
			+ 17.8
	S Delph. 203816		Est. 10.8
8 32	20 38	+16.7	22 51
	22 50		2 12 W
	2 12 W		20 39
			+ 16.8

Oct. 22, 1908

8237 6 8 33	V Aquarii 20 41 22 51 2 10W	204102 + 2.1	Est. 7.7 22 52 2 11W 20 41 + 2.0
8 35	W Aquarii 20 41 22 53 2 12W	204104 − 4.4	Est. 10.4 22 54 2 13W 20 41 − 4.5
8 38	U Capric. 20 43 22 55 2 12W	204215 −15.2	Est. 12.2 22 57 2 14W 20 43 −15.2
8 40	R Z Cygni 20 48 22 57 2 9W	204846 + 47.0	Est. < 12.5 22 59 2 12W 20 47 + 46.9
8 41	X Delph. 20 50 22 59 2 9W	205017 + 17.3	Est. 9.9 23 0 2 10W 20 50 +17.2

Oct 22, 1908

8237 6 ~~RX~~ 8 43	UX Cygni 20 51 23 1 2 10w	20 50 30 + 30.0		Est. 11.0 2~~2~~3 2 2 11w 20 51 + 30.1
8 45	VV Cygni 21 2 23 3 2 1w	2102~~4~~45 +45.2		Est. h 1 Var. 23 4 2 3w 21 1 +45.3
8 47	R S Aquarii 21 5 23 5 2 0w	210504 − 4.4		Est. 12.3 23 6 2 1w 21 5 −4.4
8 49	Z Capric. 21 4 23 6 2 2w	210516 −16.6		Est < 10.8 23 8 2 6 W 21 2 −16.4
8 52	RR Aquarii 21 9 23 10 2 1W	210903 − 3.0		Est. 10.3 23 11 2 1w 21 10 − 3.3

8237 6

Oct. 22, 1908

	V Pegasi	215605		Est. 10.0
	21 56	+5.6		
8 55	23 12			23 14
	1 16w			1 18w
				21 56
				+5.6
	RT Pegasi	215934		Est. 9.8
	21 58	+ ~~8~~34.6		
8 58	23 15			23 17
	1 17w			1 18w
				21 59
				+34.5
	RR Cassiop.	235050		Est. < 12.5
	23 50	+53.1		23 23
9 4	23 18			0 25E
	0 32E			~~22 58~~
				23 48
				+53.1
	~~V Ceti~~ R Cassiop.	235350		Est. 8.3
~~[illegible]~~	23 53	+50.8		23 25
9 6	23 24			0 25E
	0 ~~3X~~			23 50
	29E			+50.7
	V Ceti	235209		Est. 11.6
	23 51	−9.6		23 31
9 12	23 26			0 23E
	0 25E			23 ~~8~~54
				−9.1

8237 6

Oct. 22. 1908

	W Ceti	23 57 15	Est. 11.2
	23 59	−15.6	23 44
9 25	23 34	23 57	0 14 E
	0 25E	23 39	23 58
		0 18	−14.7
	Dm	−14. ~~602~~ 6255	Est. 6.2
9 27	22 14	−13.8	23 46
	23 45		1 32 W
	1 31 W		22 14
			−13.8
	X Androm	001046	Est. 11.7
	0 8	+46.2	
	23 47		23 48
9 29	0 21E		0 20 E
			0 8
			+46.5
	T Cassiop.	001755	Est. 8.3
	0 18	+55.2	23 55
9-36	23 49		0 19 E
	0 29E	0 14	24 14
		23 54	+55.1
		0 20E	
	R Androm	001838	8c Est 8.7
	0 18	+38.0	23 58
9 39	23 57		0 19E
	0 21E		0 17
			+38.0

8237 6

Oct 22, 1908

	U Cassiop 004047	Est. 11.7
	0 39 +47.5	
9 41	23 59	0 2
	0 40E	0 37E
		0 39
		+47.8
	V Androm. 004435	Est. 11.8
	0 44 +35.1	
	0 3	0 4
9 43	0 41E	0 38E
		0 42
		+35.2
	RR Androm. ~~003~~ 004533	Est. 12.2
	0 45 +33.8	
9 45	0 5	0 6
	0 40	0 38E
		0 44
		+33.9
	RX Androm 005840	Est. 11.5
	0. 56 +40.6	
	0 7	0 7
9 46	0 49E	0 49E
		0 56
		+40.8
	R ~~W~~ U Androm. 013~~3~~2 38	Est. <12.4
	1 32 +38.2	0 9
9 48	0 8	1 22E
	1 24E	1 31
		+38.2

8237 6

Oct. 22, 1908

	X Cassiop	014958		Est. 11.5
	1 42	+ 58.8		
9 54	0 11			0 15
	1 38 E			1 31 E
				1 46
				+ 58.9
	U Persei	015254		Est. 9.0
9 56	1 50	+54.3		0 17
	0 16			1 32 E
	1 34 E			1 49
				+ 54.4
	W Androm	021143		Est. 10.0
	2 10	+44.0		0 19
9 58	0 18			
	~~1 2 58 E~~			1 49 E
	1 52 E			2 08
				+ 44.0
	U Arietis	030514		
	~~4~~ 3 5	+14.8		
10 5	0 21		~~R~~ Telescope not set.	
	2 44 E			
	Var. <11.5			
	X Ceti	031401		Est. ~~#~~10.0
11	3 13	−1.0	Ledg.	0 30
10 ~~79~~	0 28		6 2 1 53 P.P.	2 43 E
	2 45 E		5 13	3 13
				−1.2

Stopped by dew on objective

Friday Oct 23 1908

L C and K Lows observers.

J D 8238 8 inch Polartelescope

8238 5	SS Cygni	213843	Est. 11.3	L C
7 15				21 37 0 0 +43.1
	V Sagittae	8r 201520	Est. 11.2	L C
7 18	20 14 21 39 1 25w	+20.8		21 40 1 25 w +20.7
	WW Cygni	200041	Est. b2, 4e	L C
7 22	20 0 21 41 1 41w	+41.1		21 44 1 44 w +41.4
	W Lyrae	181136	Est. 11.5	L C
7 26	18 10 21 45 3 35w	+36.6		21 48 3 37w + +36.~~8~~7
	SY Cygni	194232	Est. h3, ok	L C
7 29	19 42 21 50 2 8w	+32.5		21 52 2 9W +32.3

Oct. 23, 1908

8238 5 U Lyrae 191637 Est 10.8 by L. C.
19 16 +37.0 21 56
21 54 2 40 W
7 33 2 38 W
+ 37.7

RV Pegasi 222129 est 8.8 Lours Obs.
22 7
7:44 22 20 +29.9 0 13 E
22 00 est 9.0 by L. C.
0 20 E
+ 29.9

ST And. 233335 est 9.5 LC
est 9.3 by Lours 22 22
7:59 23 33 +34.8 1 10 E
22 10
1 23 E
+ 35.1

T And 001726 est 10.2 ~~LC~~ Obs
est 10.0 Lours Obs.
8238 6 0 16 + 26.4 22:40
8 17 22 25 1 35 E
1 51 E ~~4~~
+ 26.5

R Trianguli 023130 Est 9.0 by KL
~~[illegible]~~ 23:43
2 30 +33.8 2:45 E
9 20 ~~24~~ ~~58~~ est by LC = 9.4
23 3 + 33.8
3 27 E

Oct 23, 908

8238 6		Metcalfs	Var. 033104		Est n 5, 10	LC Obs.
		3 33	+5.0			0 0
9	37	23 50		3 31		3 30 E
		~~8~~		23 56		
		3 43 E		3 35		+5.4
		W Persei	024356		Est. 9.0	K. L.
10	4	2 42	+56.6			0 27
		0 11				2 11 E
		2 31 E				
						+56.8
		~~W Pers~~ T Arietis	024217		Est. 9.2	K. L.
10	23 ~~38~~	~~1~~2 43	+17.0			0 46
		0 38				1 55
		2 5 E				
						+ 17.1
		Y Persei	03.20 43		Est 8.7	K. L
10	39	3 20	43.8			1 2
8238 6		0 49				2 16 E
		~~3~~				
		2 31 E				+43.7

1 14	4 ~~16~~7 L. P. P 13
7	13 Obs. by Lowes

Friday Oct. ~~2~~30, 1908

L.C. Obs & Rec 8'' J.D. 8245

8245 5	SS Cygni 213843		est 10.7	
				22:03 0:25W
7 12				
				+43.2
	T Serpentis 182306		est 9.8	
				22 12 3:47 W
7 21	18 23 22 14 3 51 W	+6.1		
				+6.5
	VW Cygni 201134		e 4.0 f	
7 33	20 9 22 21 2 12 W	+34.0		22:24 2: 13W +34.5
	TY Cygni 192928		est 12.6	
				22:26
7 35	19 29 22 25 2 56 W	+28.1		2:56 W +28.3
	R Cygni 193449		est 10.1	
				22:27
7 36	19 34 22 27 2 53 W	+50.0		2:54 W
				+50.0

Oct 30, 1908

8245 5 RS Aquilae 195308 est 11.5

22 32
2 37 w

7 41 19 53 -8.2
22 29
2 36 w

-8.2

Z Cygni 195849 est 9.0

22 34
2 36 w

7 43 19 59 +49.8
22 33
2 34 w

+49.9

S Aquilae 200715a est 10.1

22 37
2 30 w

7 46 20 7 +15.1
22 35
2 28 w

+15.2

SX Cygni 201130 est 10.9
5

22 39
2 27 w

7 48 20 11 +30.9
22 38
2 27 w

+30.7

W X Cygni 201437b est 10.8

22 42
2 28 w

7 51 20 14 +36.8
22 40
2 26 w

+37.3

Oct. 30, 1908

8245 5 V Sagittae 201520 est 11.6

22:45
2:30 W

20 14 +20.9
7 54 22 43
2 29 W

+20.7

RW Cygni 202539 est 8.4

22 47
2 22 W

7 56 20 25 +39.6
22 46
2 21 W

+39.6

Z Delph 202017 est 11.5

22 49
20 28 +17.0
2 21 W
7 58 22 48
2 20 W

+17.3

ST Cygni 202954 est 11.8

22 51
20 29 +54.4
2 22 W
8 58 22 50
2 21 W

+54.6

S Delph 203816 est 10.8

22 53
20 38 +16.7
2 14 W
8 02 22 52
2 14 W

+16.8

Oct 30, 1908

8245 5	Y Aquarii 203905 est 11.4			
8 05	20 39 22 54 2 15 w	−5.2		22 56 2 17 w * −5.2
	W Aquarii 204104 est 10,5			
8 07	20 41 22 57 2 16 w	−4.4		22 58 2 17 w −4.3
	U Capric. 204215 est 12.2			
8 09	20 43 22 59 2 16 w	−15.2		23 00 2 17 w −14.9
~~8245 6~~	X Delph. 205017 est 10.3			
8 11	20 50 23 01 2 11 w	+17.3	Var. sp. = <12.6	23 02 2 12 w +17.3
8245.6	R Vulpec 205923 est 8.3			
8 13	20 59 23 03 2 4 w	+23.4		23 4 2 4 w +23.3

Oct 30, 1908

8245 6 R Equulei 210812 est 11.5

21 8 +12.4
8 ~~28~~ 23 5
1 57 W
21 8
23 17
2 9

23 19
2 11 W
+12.4

RR Aquar. 210903 est 10.8

21 9 −3.0
8 30 23 19
2.10 W

23:21
2 11 W
−3.3

VW Cygni 201134 est f 2,3f'

20 12 +30.7
8 33 2~~2~~3 22
~~7~~3 10 W

23:24
3 12 W
+34.4

RU Cygni 213753 est 8.3

8 37 21 37 +54.2
23 25
1 48 W

23 28
1 52 W
+54.7

X Aquarii 221321 est <11.5

8 45 22 13 −21.0
23 30
1 17 W

Troubled by clds

23 36
1 22 W
−21.3

Oct. 30, 1908

8245 6	RT Aquarii	221722	est 9.4	
				23 38
8 47	22 16	−22.2		1 20 W
	23 37			
	1 21 W			−22.4
	R Pegasi	230110	est 8.9	
				23 45
	23 1	+ 9.0	cldr	0.44 W
8 54	23 39			
	0 38 W			+10.2
	V Cassiop.	230759	est 9.5	
				23 47
8 56	23 05	+58.6		0 42 W
	23 46			
	0 41 W			~~+9.5~~
				+59.2
	W Pegasi	231425	est 9.0	
				23 50
	23 14	+25.8		0 35 W
8 59	23 49			
	0 35 W			+25.7
	Z And.	232848	est 10.6	
				23 54
	23 29	+48.6		0 26 W
9 3	23 51			
	0 22 W			+48.3

Oct 30, 1908

8245 6	R Aquarii	233815	est 10.0	
				23 56
9 5	23 37 23 55 0 18	−15.9		0:17 w −15.6
	Z Aquarii	234716	est 8.6	
9 7	23 47 23 57 0 10 w	−16.4		23 5 ~~7~~ 8 0 11 w −16.4
	R Cassiop	235350	est 8.0	
				0 0
9 9	23 53 23 58 0 5 w	50.8		0. 8 w +50.6
	Z Pegasi	235525	est 10.0	
				0: 3
9 12	23 55 24 01 0 06 w	+25.4		0, 8 w +25 5
	VW Cygni	201134	est 8 5,1 8'	
				24 05
9 14	20 12 24 04 3 52	+34.4		3, 54 w +34 2

Oct. 30, 1908

8245 6

T Andr. 001726 est 9.4

0:8
0.9 ε

9 17 0 17 +26.6
0 07
0 10 ε

+26.5

U Cassiop. 004047 est 11.6

0 10
0 30 ε

9 19 0 40 +47.4
0 08
0 32 ε

+47.8

V Androm 004435 est 11.4

0 11
0.32 ε

9 20 0 44 +35.0
0 11
0 33 ε

+35.1

RR Andr. 004533 est 12.4

0 15
0:29 ε

9 24 0 45 +33.8
0 12
0 33 ε

+33.8

W Cassiop. 004958 est 8.8

0 22
0:25 ε

9 31 0 49 +58.0
0 15
0 34 ε

+57.9

Oct 30, 1908

3245 6

X Cass. 014958 est 10.8

23 27
1 19 ε

9 36
1 49 +58.8
0 23
1 26 ε
Var? = 10.1
Var nf = 11.2

+58.7

W And 021143 est 9.6

0 : 32
1 38 ε

9 41
2 11 +43.8
0 29
1 42 ε

+44.0

o Ceti 021403 est eye 3.6

9 42

~~Y~~ U Ceti 022813 est 7.6

0 ~~23~~ 34
1 55 ε

9 43
2 28 -13.0
0 33
1 55 ε

- 13.4

X Ceti 031401 est ~~8~~ 10.6

~~1~~0 : 37
2 37 ε

9 46
03 13 -1.4
00 35
2 38 ε

-1.6

Oct. 30, 1908

8245 6 VW Cygni 201134

9 47 20 12 +34.4 Building interferes
24 38
4 26 W

y Persei 032043 8.7: est

0 40
2 38 E
9 49 3 21 +43.8
0 39
2 42 E
+44.0

R Persei 032335 est 10.3

0 44
2 39 E
9 53 3 25 +35.3
0 42
2 43 E
+35.4

033105 Metcalf's Var — Tauri n 5 Var

0 48
2 43 E
9 57 3 31 +5.0 Var barely seen
0 45
2 46 E
+5.3

Nova Per No 2 032443 n 2, 2W

2 28 E
10 4 3 24 +43.6 Nova & W diff to est
0 55
0 49
2 35 E
+44.6

Oct 30, 1908

8245 6	005840	RX And	
10 6	0 56 0 56 0 0	+40.0	no chart at hand

Go to 24" telescope now

50 214 L.P.P.
2 15

Ledgered to date
L.C.

Wed. Nov. 4, 1908

L.C. Obroker J.D. 8250 8" Polar

8250 7	R Fornacis 022426	est a ovan		
				4 : 2
	2 24	-26.5		1 : 37 W
12 51	3 58			
	1 34 W			-26.4
	S' Fornacis 034124	est 8.4		
				4 6
	3 40	-24.7		0 25 W
12 55	4 04			
	0 24 W			-24.6
	RR Tauri	053326	est 11.1	
				4 8
12 57	5 33	+26.0		1 23 E
	4 07			
	1 26 E			+26.2
8250 8	T Tauri	041619	est 10.0	
				4 11
	4 16	+19.3		0 4 E
13 0	4 09			
	0 7 E			+19.4
	R Tauri	042209	est <12.0	
				4 13
13 2	4 22	+9.9		0 9 E
	4 11			
	0 11 E			+10.2

Nov. 4, 1908

8250 8	S' Tauri	042309	est <12.0	
				4 15 0 8 E
13 4				
				+9.8
	W Tauri	042215	est 8.9	
				4 20
	4 23 +15.8			0 1 E
13 9	4 16 0 7 E			
				+15.8
	RX Tauri	043208	est <12.0	
				4 22
	4 32 +8.0			0 9 E
13 11	4 20 0 12 E			
				+8 E
	V Tauri	044617	est <12.2	
				4 26
	4 46	+17.5		0 19 E
13 15	4 23 0 23 E			
				+17.5
	R Orion	045307	est	
	4 53 + 8.0			
	4 31 0 22 E		Cant find.	

Nov. 4, 1908

8250 8	R Leporis	045514	est 8.0	
~~4~~ 13 23	4 55 4 33 0 22 E	−14.9		4 34 0 20 E −14.8
	V Orionis	050003	est 12.1	
13 27	5 1 4 35 0 26 E	+3.8		4 38 0 22 E +4.1
	T Orionis	053005a	est 10.5	
13 41	5 30 4 40 0 50 E	−5.5		4 52 0 38 E −5.4
	S Orionis	052404	est 8.0	
13 44	5 24 4 53 0 31 E	−4.8		4 55 0 29 E −4.6
	T Leporis	050022	est 8.4	
13 46	5 0 4 55 0 5 E	−22.3		4 57 0 3 E −22.0

Nov. 4, 1908

8250 8 W Aurigae 05 2036 est 9.0

5 19 +36.8
13 48 4 58
0 21 E

4 59
0 19 E
+36.8

RZ Aurigae 05 4231 g 3,2 h

5 42 +31.6
14 52 5 00
0 42 E

5
0 38 3 E
+31.7

U Orion 05 4920 est

prec comp = 10.6 = U Orionis
fol " = 11.2 =

5 49 +20.2
13 56 5 4
0 45 E

5 7
0 42 E
[illegible]
+20.0

Z Aurigae 05 5353 est 9.6

5 53 +53.3
13 58 5 08
0 45 E

5 09
0 41 E
+53 2

X Aurigae 060450 est 8.5

14 0 6 4 +50.0
5 10
0 54 E

5 11
0 50 E
+50 2

Nov. 4, 1908

8250 8	RR Aurigae 060547 est <12.5			
14 2	6 5 5 12 0 53 E	+47.5		5 14 0 39 E +47.7
	V Aurigae 061647 est 11.0			
14 7	6 14 5 14 1 0 E	+47.2		5 19 0 55 E +47.7
	U Erid. 034625			
	3 46 5 20 1 34 E	25.3	Below	
	W Erid. 040725 est <12.0			
14 12	4 6 5 20 1 14 W	−25.4		1 15 W 5 23 −25.1
	V Monoc 061702 est 9.4			
14 15	6 18 5 24 0 54 E	−2.1		5 26 0 51 E −2.2

Nov. 4, 1908

8250 8 W Monoc 064707 est 10.0

6 46 −7.0
14 17 5 27
1 19 ε

5 28
1 18 ε
−7.0

Y Monoc 065711 est 11!

6 51 +11.4
14 21 5 29
1 22 ε

5 32
1 18 ε
+11.5

X Monoc 065208 est 8.8

6 52 −8.9
14 23 5 33
1 19 ε

5 34
1.18 ε
−8.8

RS Gem 065530 est 12.2

6 55 +30.7
14 25 5 35
1 20 ε

5 36
1 18 ε
+30.6

V Can Min 070109 est 9.0

7 01 +8.8
14 28 5 37
1 24 ε

5 39
1 22 ε

Nov. 14, 1908

8250 8 R Gem 070122 est 9.0

5 42
1 19 ε

14 30 7 1 +22.9 +23.0
5 40
1 21 ε

R Can Min 070310 est 9.8

5 45
1 17 ε

14 34 7 3 +10.2
5 43
1 20 ε +10.3

RR Monoc 071201 est 10.3

5 47
1:25 ε

14 36 7 12 +1.4
5 46
1 26 ε +1.3

V Gemin 071713 est 9.0

5:49
1:28 ε

7 17 +13.3
14 ~~38~~ 5 47
1 30 ε +13.4

S Can Min 072708 est 9.7

5 51
1 35 ε

14 40 7 27 +8.5
5 50
1 37 ε +8.6

Nov. 4, 1908

8250 8 T Can Min 07 28 11 est 9.3

5 53
1 34 ε

7 29 +11.9
5 52

14 42 1 37 ε

+12.1

U Can Min 073508 Est 11.1

5 55
1 39 ε

14 44 7 36 +8.6
5 54

1 42 ε

+8.6

S' Gem 073723 est <12.2

5 58
1 38 ε

7 37 +23.7
14 47 5 57

1 40 ε

+23.6

T Gem 074323 est 9.1

6 5
1 37 ε

7 44 +24.0 7 43 +24.0
14 54 5 58 6 03

1 46 ε 1 40 ε

+24.0

U Gem 074922 <12.5

1 39 ε
6 8

7 49 +22.0
14 57 6 06

1 43 ε

+22.5

Nov. 4, 1908

8250 9 R Cancri of 1112 est 9.3

6 41

8 11 +12.0 1 28 ε

15 30 6 36

1 35 ε +12.1

V Cancri of 1617 est 8.8

6 46

8 16 +17.6 1 28 ε

15 35 6 42

1 34 ε +17.6

RT Hydrae of 2405 8.5 = est

6 48

8 24 -6.0 1 36 ε

15 37 6 47

1 37 ε -5.9

U Cancri of 3019 est <12.4

6 51

8 31 +19.2 1 38 ε

1540 6 49 +19.2

1 42 ε

S' Hyd. of 4803 est 9.4

6 54

8 48 +3.4 1 53 ε

15 43 6 53

1 55 ε +3.6

Nov. 4. 1908

8250 9 T Hydrae 085008 est 8.6

	8 50	−8.8	6 : 58
15 46	~~6~~ 55		1 52 ε
	1 55 ε		−8.5

T Cancri 085120 est 8.6

			7 00
	8 51	+20.5	1 49 ε
15 48	~~0~~ 5~~9~~		
	1 52 ε		+20.2

W Cancri 090425 est 9.5

	9 5	+25.8	7 3
15 51	7 2		2 0 ε
	2 3 ε		+25.6

R Leo Min 093934 est 8.2

	9 40	+35.0	7 5
	7 0~~4~~3		2 32 ε
15 53	2 37 ε		+35.1

R Leonis 094211 est 6.0

	9 42	+11.9	7 7
15 55	7 06		2 33 ε
	2 36 ε		+12.0

Nov. 4, 1908

8250 9	Z Puppis 072820b <12.3			
16 0	7 28 7 08 0 20 ε	-20.4		7 11 0 :18ε -20.3
	U Puppis 075612 est 11.6			
16 4	7 56 7 12 0 44ε	-12.7		7 15 0 41ε -12.5
	V Leonis 095421 est) Gifrean = 12.6			
16 10	9 54 7 19 ~~2 38~~ ε	+21.7 2:35ε		7 21 2:32ε +21.7
	W Leonis 104814 est <12.5			
16 12	10 48 7 22 3 26ε	+14.1		7:23 3 :23ε +14.5
	S Leonis 110506 est <12.3			
16 21	11 5 7 24 3 41ε	+6.2		7 32 3 32ε +6.1

Nov. 4, 1908

8250 9 R Comae 115919 <12.2

7 38
4 19 E

16 27 11 59 +19.3
7 34
4 25 E

+19.4

X Hydrae 093014 est 10.1

7 41
1 48 E

16 30 9 30 -14.2
7 40
1 50 E

-14.1

S Pyxidis 090024 Est <12.0

16 35

7 46
1 15 E

8 58 -25.2
7 42
1 16 E

-24.7

RR Hydrae 094023 est 10.9

16 40 9 40 -23.6
7 47
1 53 E

1 49 E
7 51

-23.4

Y Hydrae 094622 est 7.3

7 54
1 52 E

16 43 9 46 -22.6
7 52
1 54 E

-22.4

Nov. 4, 1908

8250 9

SW Virg. 122001 est 7.9

16 53 12 20 +1.3 — 8 4 / 4 15 E

~~8~~ 7 55

4 25 E — +1.5

T Can Ven 122532 est 11.8

12 25 +32.0 — 8 6 / 4 17 E

16 55 8 5

4 20 E — +32.2

T Virg. 120905 est

17 05 12 9 −5.8

8 7

4 2 E

abandoned
can't find.

47 261 } P. C.
14 29

Thurs Nov 5, 1908

R C Obs   8'' Polar   J.D. 8251

8251 5   RS' Cygni 21 38 43

8 00   ~~est~~ 10.5

obs difficult & troubled by clds.

Too cldy & bright moonlight to continue further.

1   262
29   L. P. P.

Mon. Nov. 16, 1908

L.C. Obs 8" Polar D 8262

8262 6

Experimented with 3 low power eye-pieces,

9 – 9:50

Very large no good

Comet seeker eyepiece good
smallest of three also good

R X And. 005840 est 12.6 ×

9 57
0 56
1 56
1 0 w

1 58
1 1 w

+40.7

T Cass 001755 est 7.7 ×

9 59
0 18 +55.2
1 59
1 41 W

2 0
1 43 w

+55.4

R And 001838 est 9.5 ×

10 1
0 19 +38.0
2 1
1 42 W

2 2
1 44 w

+38.2

V And. 004435 est 10.6 ×

10 5
0 44 +35.1
2 4
1 20 w

2 6
1 22 w

+35.0

Nov. 16, 1908

8262 6	U Pisc 011712 est 12.4 ×	
		2 9
	1 14 +12.2	0 52W
10 8	2 07	
	0 50 W	
		+12.6
	U Per. 015254 est 8.0 ×	
		2 12
	1 5 5 +54.2	0 21W
10 11	2 10	
	0 15 W	
		+54.4
	T Arietis 024217 est 9.5 ×	
		2 18
	2 43 +17.1	0 25 E
10 17	2 16	
	0 27 E	
		+17.2
	W Pegasi 231425 est 8.1 ×	
		2 20
	23 14 +25.7	3 5 W
10 19	26 19	
	3 5 W	
		+25.7
	Z And. 232848 est 10.7 ×	
		2 55 W
10 23	23 29 +48.5	2 ~~44~~ 24
	26 22	+48.3
	2 53 W	

Nov 16, 1908.

8262 6

Z Pegasi 235525 est 9.3 ×

2 27
2 31 W

10 26
23 55 +25.4
26 25
2 30 W

+25.5

W Cass. 004958 est 9.0 ×

2 31
1 41

10 30
0 49 +58.2
2 28
1 39 W

+57.9

X Cass. 014958 est 10.~~4~~ ×

2 33
0.45 W

10 32
1 49 +58.8
2 32
0 43 W

Var n.f. = 10.4
Var? = 10.6

+58.7

W And 021143 est ×

10 45
2 11 +43.8
2 36
0 25 W

cant find.

14 276
29
L.P.P.

Tues. Nov. 17, 1908.

L C Obs. 8'' Polar J.D. 8263

8263 5 RS Lyrae 19 09 33 est 11.4 x

3 9 W
6 16 19 8 +33.0 22 18
22 16
3 8 W +33.4

RW Lyrae 190941 est 12.7 x

22 19
6 17 19 9 +41.1 3 16 W
22 19
3 10 W +41^3

+TZ Cyg 191350 est 12.0 x

22 22
6 20 19 13 +50.0 3 8 W
22 20
3 7 W +50 3

U Lyrae 191637 est 10.8 x

22 24
6 19 18 +37.5 3 7 W
~~6~~ 22 22 23
3 5 W +37.7

TY Cyg. 192928 est 12.6 x

2 57 W
6 24 19 29 +28.2 22 26
22 25
2 56 W +28.3

Nov. 17, 1908

8263 5

R Cygni 193449 est 11.0

2 54 W

19 34 +49.9

22 28

6 26 22 27

2 53 W

+50.0

RT Cyg. 194048 est 9.5

2 49 W

19 41 +48.5

22 30

6 28 22 29

2 48 W

+48.5

X Aquilae 194604 est 9.5

2 45 W

6 30 19 48 +4.2

22 32

22 30

2 42 W

+4.4

S Aquilae 200715a est 10.2

2 27 W

6 32 20 7 +15.0

22 34

22 33

2 26 W

+15.4

Z Aquilae 200906 est 9.2

2 27 W

6 35 20 8 -6.5

22 37

22 35

2 27 W

-6.3

Nov. 17, 1908.

8263 5	RT Caph.	201121	est 7.4 ×	
6 37	20 12 22 38 2 26	-21.4 W		2 28 W 22 39 -21.3
	RS Cyg	200938	est 8.8 ×	
6 39	20 10 22 40 2 30 W	+38.4		2 32 W 22 41 +38.6
	SX Cygni	201130	est 12.2 ×	
6 41	20 11 22 42 2 31 W	+30.8		2 32 W 22 43 +31.0
	WX Cygni	201437b	est 11.5 ×	
6 43	20 14 22 44 2 30 W	+36.6		22 45 2 31 W +37.3
	V Sagitt.	201520	est 11.8 ×	
6 45	20 14 22 46 2 32 W	+20.8		2 32 W 22 47 +20.9

Nov. 17, 1908

8263 5

U Cygni 201647 est 10.4 ×

6 47

20 16 +47.6

22 48

2 32 w

2 33 w

22 49

+47.8

RW Cygni 202539 est 8.5 ×

6 48

20 25 +39.6

22 49

2 24 W

2 25 w

22 50

+39.7

ST Cygni 202954 est 12.2 ×

6 50

20 29 +54.4

22 51

2 22 W

22 52

2 22 w

+54.8

V Cygni 203847 est 11.3 ×

6 52

20 38 +47.8

22 53

2 15 W

2 16 W

22 54

+47.7

Y Aquarii 203905 est 10.6 ×

6 56

20 39 −5.2

22 55

2 16 W

2 19 W

22 58

−5.0

Nov 17, 1908

8263 5 V Aquar. 204102 est 8.6 x

6 58 20 42 +2.1
22 59
2 17W

2 18W
23 00
+2.2

W Aquarii 204104 est 10.8 x

6 59 20 41 -4.4
23 01
2 20W

2 20W
23 1
-4.2

Z Delph. 202817 est 9.8 x

7 09 20 28 +17.0
23 10
2 42W

2 43W
23 11
+17.3

S' Delph. 203816 est 11.2 x

7 11 20 38 +16.7
23 12
2 34W

2 35W
23 13
+16.8

UX Cyg. 205030 est. <12.5 x

7 13 20 51 +30.0
23 14
2 23W

2 $\overset{3}{7}$ 15
2 2KW
+30.2

Nov. 17, 1908

8263 5 RV Vulpec 2059 23 est 8.8 ×

23 17
2 18W

7 15
21 0 +234
23 16
2 15 W

+234

TW Cygni 210129 est 12.0 ×

23 20

7 18
21 1 +28.8
23 19
2 18 W

have new chart made

2 19W

+287

X Capric 210221 est 10.8 ×

2 19W
23 22

7 20
21 3 −21.6
23 21
2 18 W

−21.6

T Capric 211615 est 9.6 ×

2 7W
23 24

7 22
21 16 −15.6
23 23
2 7 W

−15.4

X Pegasi 211614 est 11.2 ×

2 9W
23 25

7 23
21 16 +14.0
23 25
2 9 W

+14.3

Nov. 17, 1908

8268 5	RU Cyg	213753	est 8.0 ×	
7 26	21 37 23 26 1 49 W	+5 45		1 52 W 23 28 +5 4.0
	SS Cygni	213843	est 9.8 ×	
7 27	21 38 23 29 1 51 W	+43 2		1 51 W 23 29 +43.3
	V Pegasi	215605	est 11.4 ×	
7 29	21 56 23 30 1 34 W	+5.6		1 35 W 23 31 +5.8
	U Aquar	215717	est 11.5 ×	diff to est
7 31	21 57 23 32 1 35 W	-17.4		1 35 W 23 33 -16.9
	RT Aquar	221722	est 9.4 ×	
7 33	22 16 23 34 1 18 W	-22.2		1 18 W 23 35 -22.4

Nov. 17, 1908

8263 5

RT Peg 215934 107 est

7 37
2159 +34.6
23 36
1 37 W

1 39w
23 39
+349

RV Peg 222129 est 10.0 +

7 38
22 21 +29.9
23 40
1 19 W

~~1 19w~~
23 40
+30.1

V Cass 230759 est 9.4 +

7 40
23 7 +59.1
23 41
0 34 W

0 37w
23 42
+59.0

R Pegasi 230110 est 9.2 +

7 44
23 2 +10.0
23 43
0 41 W

0 45w
23 46
+10.1

ST And 233335 est 10.0 2

7 46
23 33 +35.0
23 47
0 14 W

0 15w
23 48
+353

Nov 17 1908

8263 5 R Aquar 233815 est 10 2 ×

0 11 W
23 50
-15 5

7 48 23 37 -15.9
23 49
0 12 W

Z Aquar 234716 est 8.0 ×

23 47 -16.4
7 49 23 51
0 4 W

0 5 W
23 51
-16.2

V Ceti 235209 est 11.0 ×

7 53 23 51 -9.5
23 52
0 1 W

0 1 W
23 55
-9.4

R Cass 235350 est 8.2 ×

7 54 23 53 +50.8
23 56
0 3 W

0 5 W
23 56
+50.8

T And 001726 est 8.7 ×

0 17 +26.4
7 56 23 57
0 20 E

0 19 E
23 58
+26.6

Nov. 17, 1908

8263 5
RX And 005840 est 12.7 ×

7 59
0 56 +40 6
0 00
0 56 E

0 56 E
0 1
+40.8

8263 6
8 16
o Ceti 021403 ~~#7~~ eye est = 4.2
Copied from memory Nov. 18. 1908

8263.6
Z Ceti 010102 est 11.6 ×

8 19
1 1 -2.2
0 20
0 41 E

0 40 E
0 21
✱
−1.8

W And 0211V3a est 11.0 ×

8 22
2 6 +43.6
0 22
1 44 E

1 45 E
0 24
+44.0

S Persei 021558 est 9 ? ×

8 28
2 15 +58.1
0 25
1 50 E

1 42 E
0 30
+58.4

RR Per 022150 <12.6 ×

8 31
2 22 +50.6
0 32
1 50 E

1 46 E
0 33
+50.9

Nov. 17, 1908

8263 6	R Ceti	022000 est 12.4 ×	Diff.
			1 40 ε
	2 21	−0.8	0 41
δ 39	0 34		
	1 47	ε	
			−0.5
	U Ceti	022813 est do ×	
			1 46 ε
	2 28	−12.8	0 : 43
δ 41	0 42		
	1 46	ε	−12.4
	R Persei	032335 est 9.2 ×	
	3 23	+35.4	2 35 ε
δ 44	0 44		0 46
	2 39 ε		
			+35.4
	X Ceti	031401 est 12.2	
δ 47	3 13	−1.4	2 25 ε
	0 47		0 49
	2 26 ε		
			−1.4
	Metcalf's Var	033105 m 3 N ×	
			2 40 ε
δ 49	3 31	+5.0	0 51
	0 50		
	2 41 ε		+54

Nov. 17, 1908

8263 6	T Tauri 041619		est 10.9 ✗	
8 53	4 16 0 53 3 23 E	+19.3		3 20 E 0 55 +19.6
	W Tauri 042215		~~est 8.7~~ ✗	
8 55	4 23 0 56 3 27 E	+15.8		3 25 E 0 57 +15.9
	V Tauri 044617		est <12.5 ✗	
8 58	4 45 0 58 3 47 E	+17.1		3 45 E 1 0 +17.7
	RX Tauri 043208		est <12.2 ✗	
9 1	4 32 1 1 3 31 E	+8.1	New Var ? = <12.2	3 29 E 1 3 +8.5
	S Aurigae 052034		Est 9.0 ✗	
9 4	5 19 1 4 4 15 E	+34.1		4 12 E 1 6 +34.1

Nov. 17, 1908

8263 6 W Aurig 052036 est 9.1 ×

9 8
5 20 +36.8
1 7
4 13 ε

4 8 ε
1 10
+36.9

RR Tauri 053326 est 11.5 ×

9 10
5 3 3 +25.9
1 11
4 22 ε

1 12
4 20 ε
+26.4

U Aurig 053531 est 9.6 ×

9 15
5 34 +31.8
1 13
4 21 ε

4 17 ε
1 17
+32.2

U Orion 054920 est 11.5 ×

9 18
5 48 +20.2
1 18
4 30 ε

4 29 ε
1 20
+20.4

Z Aurig 053353 est 10.0 ×

9 20
5 56 +53 5
1 21
4 33 ε

4 26 ε
1 22
+53.2

Nov. 17, 1908

8263 6

X Aurig. 060450 est 10.0 ×

9 23

6 4 +50.0

1 23

4 41 E

4 35 E

1 25

+50.6

SS Aurig 060547 est <12.4 ×

9 26

6 15 +47.5

1 26

4 39 E

4 35 E

1 28

+48.0

S Orion 052404 est 8.8 +

9 37

5 24 −48

1 29

3 55 E

4 45 E

1 39

−4.6

T Orion 053005a est 9.8 ×

9 35

5 31 −5.5

1 34

3 57 E

3.55 E

1 37

−5.3

9 40

Quit for tonight.

Too Hazy now to continue,

64 3 40

7 36

L. P.

8263 6

Sat. Nov. 21, 1908

LC & BC Obs.

8267 5 RT Persei 031646 ×

-1 39 | 3 17 +46.0 | 0 4
7 46 | 23 56 | 3 9 E
-3 20 | 3 21 E
est f 1, 4g' LC Obs. 9.8 +46.5

-1 28 | e 2 g 1 H.B. Obs 9.7 | 0 19
8 1 | 2 55 E
-3 5

+46.5

SS Cyg 213843 est 10.0× LC Obs

8 5 | 21 38 43.2 | 2 45 W
2 4 21 | 0 23
2 43 W

+43 2

R And 005840 est 13.0× LC Obs

~~8267 5~~ | 0 29
8 11 | 0 56 +40.6 | 0 28 E
0 24
0.32 E

+40.8

8267.6 V Sagitt 2015~~20~~ est 11.4× LC Obs.

8 14 | 20 14 +20.7 | 0 32
24 30 | 4 17 W
4 16 W

+20.8

Nov. 21, 1908

8267 6 RT Persei 031646 est f4,g' L.C. Obs

8 16 | 3 13 +46.2 | 10.2 ± | 2 40 E
-2 50 | 0 33 | | 0 34
-.118 | 2 40 E | | +46.5

est g3,2h Bl Obs | 10.0 ± | 0 46
8 27 | | | 2 28E
-2 39
-.110 | | | +46.4

R Pegasi 230110 est 9.5 L.C. Obs

| | | 0 59
8 41 | 23 0 +9.0 | | 1 58 W
24 52
1 52 W | | | +10 2

RT Persei 031646 est g'3,3h L.C. Obs

3 13 | | 2 12 E
8 43 | 1 00 | 10.5 ± | 1 1
-2 23 | 2 13 E
-.099 | | | +46 5

ST And 233335 est 10.1 L.C. Obs

| | | 1 30 W
8 46 | 23 33 +35.0 | | 1 4
25 03
1 30 W | | | +35 2

Nov. 21, 1908

8267 6 R And 001838 est 9.4× L C Obs

8 49
0 19 + 38.0
1 5
0 46 W

1 7
0 49 W
0
+ 38.0

T Arietis 024217. est 9.4× L C Obs

8 50
2 43 +17.0
1 8
1 35 E

1 8
1 34 E
+17.3

W Persei 024356 est 9.9× L C Obs

+56.6

8 52
2 42 +56.5
1 9
1 33 E

1 10
1 29 E

RV Peg 222129 est 9.8 × L C Obs

+30.2

8 54
22 21 +29.9
25 11
2 50 W

1 12
2 51 W

N V Cygni 213843 est B C Obs
21 38 +43.2
25 14
3 36 W

Nov 21 1908

8267 6

031649 RT Persei g 1 2h Bl Obs ×

9 6 -2 0 -083	3 13 1 29 1 44 E		10.4±	1 25 1 49 E +46.5
9 13 -1 53 -078		g' 2, 3 h	LC Obs ×	1 31 1 43 E +46
			10.5±	

U Pisc 011712 est 10.9 × LC Obs

9 15	1 17 1 33 0 16 W	+12.2		1 33 0 15 W +12.3

X Aurig 060450 est 10.6 × L.C. Obs

9 18	6 5 1 34 4 31 E	+49.9		1 36 4 26 E +50.5

R Leporis 045514 est 8.1 × LC Obs

9 21	4 55 1 37 3 18 E	-14.9		3 16 E 1 39 -14.5

Nov. 21, 1904

8267 6

R T Persei. 031646 × Bl Ob.

w g 2 h ~~Ab~~ 1 47

3 13 +46.2 1 28 E

9 29 1 41 10.4± 1

1 32 E +46.5

-1 37

-.067

S'P Aurigae 060547 est × L 120 L C Ob.

1 :5-3

9 35 6 5 +47.5 4 :9 E

1 52

4 13 E +48.0

T Leporis 050022 est 8.9 × L C Ob.

5 0 -22.6 3 2 E

9 42 1 55 2 0

3 5 E -22.0

R T Persei 031646 × L C Ob.

h' 1, 3 h 2 2

9 44 3 14 +46.2 10.8± 1 13 E

-1 22 2 1 +46.4

-.057 1 13 E

V Monoc 061702 est 9.7 × L C Ob.

4 11 E

9 48 6 17 -2.0 2 6

2 3

4 14 E -1.7

Nov. 21, 1908

8267 B

W Monoc 064707 est 10.8 × LC

9 55 6 46 −6.8 −6.7
2 08
4 38 E 4 33 E
2 13

RT Persei ×

g2 1h Bl Obs 10.5± 2 19
0 55 E

10 0
− 1 6 +46.5
−.046

Y Monoc 065111 est 9.8 × LC Obs

10 9 6 51 +11.6 2 27
2 25 4 23 E
4 26 E
+11.7

X Mon 065208 est 9.0 × LC Obs.

4 23 E
2 30
10 12 6 52 −8.9
2 28
4 24 E −8.4

RT Persei h 2.0 k × LC

11.0± 0 42 E
3 14 2 32
10 14 2 31
−0 52 0 43 E +46.3
−.036

Nov. 21, 1908

8267 6 R S Gem 065530 est 10.7 × £C

4 19 ε
2 35
+31.0

10 16 6 55 +30.7
2 34
4 21 ε

R Gemin 070122a est 9.0 × £C

4 23 ε
2 38
+23.1

10 20 7 1 +22.9
2 36
4 25 ε

V Can Min 070109 est 10.1 × £C

4 20 ε
2 41
+9.5

10 23 7 1 +8.8
2 39
4 22 ε

R Can Min 070310 est 9.3 × £C.

4 19 ε
2 44
+10.7

10-26 7 3 +10.2
2 42
4 21 ε

RR Monoc 071201 ×

7 12 +1.3
2 45
4 27 ε

Nov 21, 1908

8267 87

RT Persei ×

-1 h2 0k Bl Obs 2 50

0 20 E

10 37 0

11.7±

- 0 29 +46.3

-.020 1

3 13 11.8±

2 59

0 14 E est h3, k1 L.C. Ob 0.13 E

10 43 + 3 1

- 0 23 +46.3

-.015 RR Monoc 071201

7 12 +08 abandoned

3 3 +

4 9 E

8267 7

-.008 RT Persei 031646 4

11.6± 3 13

10 55 L.C. = est h4 Var 0.2 E

- 0 11 3 14 + +46.3

4

3 16 est h1, 1k Bl obs 11.0± 3 16

0 1 W

10 57 +46.3

- 0 9

- 0.06

Blackett. 7

L.C. 29

1

L.

369

37

Mon. Nov. 23, 1908

8269 6 Phot R 8" Polar. L.C. & H.B. Obs.

Mean for exper. with Phot R.

L.C. Obs.

Index R & A
[illegible] 195.1
256.2 61.1 L. C obs
353.1
72.9 79.8 .76
~~104.5~~ 148.9
.87

Index L & B 104.5
156.6 52.1
287.6 52.8 1.63
340.4 104.9 1.20

Same stars by Blackett

Index L & B
107.1 54.0
161.1 55.0
290.2
345.2 109.0 144

R & A 45
18.4
79.2 60.8
189.1 30.0
219.1 90.8 1.89
1.66

same by L.C.

S.T.
1 25 ~~8.0~~ 12.0
54.0
66.0
195.2 564
257.6 36
8269 6 110.4 1.41

Nov. 28, 1908

1.41

8269 6 L. & B.

298.5
335.0 36.5
~~338.6~~
112.9 47.1
1 32 160.0 83.6 2.09/1.75

~~Stand~~ Same by Blackett.

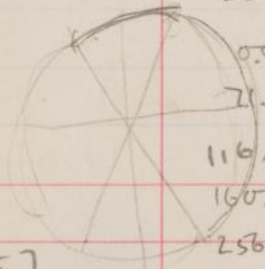
~~160.0~~
1 365 295.0
339.0 44.0
110.7 52.1
162.8 96.1 1.75

R + a

200.2 .34
256.6 56.4
17.2 54.0
1 41.5 71.2 110.4 1.41/1.58

Same by L.C.

153 185.6
263.0 77.4



0.0 ~~14~~ 0.61
71.0 71.0
148.4
116.3 1.50
160.0 33.7
256.2
157 303.6 47.4 2.11
81.1 1.36

8269 6

Nov. 23, 1908

8269 6	Same by Bl.			
	L&B			
1 58.0	112.5			
	158.8	463		
	~~389.8~~	49.0		
	338.8	95.3	1.77	
	R&A			
				.69
	187.1	75.9		
	263.0	49.4		
	22.2	125.3	1.08	
2 2	71.6		1.42	
8269 6		2x settings by L. C.		
		2x "	" H. B. P.	

Tues. Nov. 24, 1908.

8270 6 — 8" Polar. D. 8270. L.C. & H. Blackett } Obs.

Pleiades L.C. Obs

Phot R.

8 ~~22~~ — ~~340.4~~

8 23 — 92.2 Brighter dis 51.7

143.9

276.3 — 53.9

330.2 — 105.6 — 1.52

~~32~~ R & A

354.4 — 57.8 — ~~118.7~~ = 1.22

52.2

171.6

8 25 — 246.0 — 74.4

132.2 — 0.93

Same as above

~~230.7~~ — Bl. Obs.

8 28.5 — 3.9

51.6 — 47.7

192.8 — 40.7

233.5 — 88.4 — 1.96

L & B.

275.2 — ~~101.2~~ = 1.64

324.0 — 48.8

91.5 — 65.3

8 32 — 156.8 — 114.1 — 1.32

Same as above

Bl. Ob.

8 34 fter dis } 142.5 — 132.5 — 1.57

275.0 — 256.4

326.1 — 123.9 — ~~76.4~~ — 103.6

90.0

8270 6 — 187.2 — 54.5 — ~~106.4~~ 1.49

bter dis. } 241.7 — 55.7 !! — 110.2

4.3 — 1.41

60.0

Nov. 24 1908

8270 6

Name by L.C.

8 43 1.2 57.1 107.7 147
58.3
176.4
227.0 50.6
~~28[illegible]~~ ~~(108)~~
~~101.8~~ 1.62

LOB

282.4
3240 41.6 95.8 1.76
8 46 88.6 54.2
1428

SS Cygni 213843 × LC est

est 10.3 3.47 W
21 38 436 1 24
8 55 25 23
3 45 W +43.2

Metcalfs Var 033105 est

3 31 +50 3 32
1 31 1 39
2 0 E 1 53 E

16 – 40 L.C. (settings)
16 – 40 A.B.

1 37.0 Ests – L.C.
– 37

P. P.

8270 6

Friday Nov. 27, 1908

LC Obs 8" Polar JD 8273

RT Persei 031646

6 46 27 13 +46.2
23 28
3 45 E

Cloudy here

SS Cygni 213843

21 37 +43 2
23 30
1 53 W

Tues. Dec. 1, 1908.

L.C. Obs & Rec. 8" Polar J.D. 8277

8277 5 N.S. Cygni 213843 × 10.5 est

0 10

21 37 +× 3 2 — 2 32 W

7 13 24 9

2 32 W — +43.1

X Delph 205017 est 11.6 ×

0 16

20 50 +17.3 — 3 25 W

7 19 24 12 — Hazy

3 22 W — +17.3

R Vulpec 205923 est 10.5 ×

0 21

20 59 +23.4 — 3 20 W

7 24 24 17

3 18 W. — +23.6

Z Persei 023341 est ls; im ×

2 4 E

7 30 2 35 +42.4 — 0 27

-1 24 0 22

-.058 2 13 E — +41.8

R Equulei 210812 est 12.4 ×

0 38

21 8 +12.4 — 3 29 W

7 41 24 36

3 28 W — +12.4

8277 5

Dec 1, 1908

8277 5

X Pegasi 211614 est 10.5 ×

7 43 21 16 +14 0 0 40
24 39 3 23 w
3 23 w
+14.2

T Capric 211615? ×

21 16 −15.6 Too low in moonlight
24 41
3 25 w

RU Cyg. 213753 ×

21 37 +54.4 beyond limit.
24 43
3 06

R Cass. 235350 est 8.0

23 53 +50.8 0 55 w
24 45 Varied. 0 46
7 49 0 52 w
+50.7

Z Peg. 235525 est 9.5 ×

0 56 w
23 55 +25.4 0 51
7 56 24 48
0 53 w +25.4

8277 5

Dec 1, 1908

8277 5	Z Persei 02	3341 *m 4 Var		
				0 52
	2. 31	+41.4		1.40 E
7 53	0 51			
-0 59	1 40	E		+41.8
-0.4				
	S Ceti	001909	est 9.2 ×	
				0 56
7 59	0 19	-9.9		0 37 W
	0 54			
	0 37	W		-9.8
	T Case	001755	est 7.5 ×	
				0 57
	0 18	+55.2		0 41 W
8 05	0 57			~~I~~
	0 39	W		+55.3
	V And	004435	est 9.6 ×	
8 02	0 44	+35.0		0 59
	0 58			0 15 W
	0 14	W		
				+35.2
	W Case	004958	est 8.9 ×	
				0 14 W
8 03	0 49	+58.4		1 0
	1 00			
	0 11	W		+58.0

8277 5

Dec. 1, 1908

8277 6

RX And 005840 est 12.4 ×

8 6 0 5 ~~8~~ 6 +40.5 · 0 6 w

1 2

1 3

0 6 w

+40.9

Metcalfs Var 033105 ✻ est 14.2 m ×

3 31 +5.5 1 6

1 5 2 25 ε

8 9

2 26 ε +5.3

~~8277 6~~ W And 021143a est 14.0 ×

8 11 2 11 +43.8 1 8

1 7 ~~1 1 ε~~

1 1 ε

1 4 ε +44.0

8277.6 o Ceti 021403 est 4.7 ×

8 14 2 14 −3.6 expect

1 9

1 5 ε

S Persei 021558 est 9.2 ×

1 0 ε

8 15 2 1~~6~~5 +58.1 1 12

1 12

1 3 ε +58.1

8277 6

Dec 1, 1908

8277 6

Z Persei 023341 est m 5 Var ×
Var barely seen

2 32 +41.8 | 1 18 Σ
8 18 1 13 | 1 15
−0 36 1 19 Σ | +41.8
−.020−

U Per. 015254 est 8.0 ×

| 1 18
1 54 +54.3 | 0 33 Σ
8 21 1 15 |
0 39 Σ | +54.4

U Ceti 022813 est 9.2 ×

| 1 8 Σ
2 28 −12.8 | 1 20
8 23 1 19 |
1 9 Σ | −13.5

X Ceti 031401 est 12.4 ×

| 1 51 Σ
3 12 −1.5 | 1 22
8 25 1 21 |
1 51 Σ | −1.4

Y Per 032043 est 8.2 ×

| 1 24
8 27 3 21 +43.8 | 1 57 Σ
1 23 |
1 58 Σ | +44.2

8277 6

Dec. 1, 1908

82776

W Tauri 042215 est 8.7 ×

		2 56 E
	4 23 +15.7	1 26
8 29	~~7~~1 25	
	2 58 E	+16.3

T Tauri 041619 est 9.9 ×

		1 28
	4 16 +19.3	2 46 E
8 31	1 27	
	2 49 E	+195

V Orionis 050003 est <12.2 ×

8 34	5 1 + 3.8	3 29 E
	1 29	1 :31
	3 ·32 E	+4.4

R Aurig. 050953 est 8.5 ×

		1 34
	5 9 +53.5	3 33 E
8 37	1 32	
	3 37 E	+53.8

Z Persei 023341 est 11.5 Var ×

var. barely seen

		0 56 E
8 39	2 32 +41.8	1 36
−0 15	1 35	
−010	0 57 E	+41.8

82776

Dec. 3, 1908

8277 6 S' Aurig 052034 est 8.8 x

3 40 ε
+34.4

5 19 +34.3
8 43 1 37
3 42 ε

1 40

W Aurig 052036 est 10.1 x

3 37 ε
1 42

5 20 +36.8
8 45 1 41
3 39 ε

+37.0

RR Tauri 053326 est 12.3 x

3 45 ε
1 47

5 33 +26.0
8 50 1 43
3 50 ε

+26.4

U Aurigae 053531 est 10.3 x

3 44 ε
1 52

8 53 5 34 +31.8
1 48
3 46 ε

+32.2

— Aurig 054231 est e 5, 2 f x.

1 56
3 46 ε

5 42 +31.6
8 59 1 53
8277 6 3 49 ε

+31.8

Dec 1, 1908

82776	U Orionis 054920	est 11.5 ×		
			star q = 11.8	1 59
	5 48	+20.2		3 50 ε
9 2	1 57			
	3 51	ε		+20.4
	Z Aurig. 055353	est 9.4 ×		
				3 49 ε
	5 53	+53.3		*
9 4	2 0			2 1
	3 53 ε			
				+53.6
	S Orionis 052404	est 8.6 ×		
				3.19 ε
9 8	5 24	-4.8		2 5
	2 2			
	3 22	ε		-4.6
	T Orionis 053005a	est 10.0 ×		
				3 24 ε
9 10	5 30	-5.5		2 7
	2 5			
	3 25 ε			-5.4
	Z Persei 023341	m 5 Var ×		
				0 23 ε
	2 32	+41.8		2 8
9 11	2 8			
+0 -17	0 24	ε		+41.8
+.013 82776				

Dec 1, 1908

8277 6 SS Aurigae 060547 est <12.4 ×

				3 52 ε
9 14	6 5	+47.5		2 11
	2 9			
	3 56 ε			+48.0

V Aurig 061647 est 9.8×

				2 18
9 21	6 14	+47.1		+47.2
	2 12			
	4 2 ε			3 48 ε

X Gem 064030 est 12.2×

				4 14 ε
9 28	6 41	+30.2		2 25
	2 20			
	4 21 ε			+30.6

R Lyncis 065355 est 8.2×

				4 18 ε
9 34	6 53	+55.6		+55.6
	2 26			2 31
	4 27 ε			

RR Mon 071201 est 10.0×

				4 38 ε
9 37	7 $1\overset{1}{2}$	+1.0		2 34
	2 32			
8277 6	4 39 ε			+1.4

Dec 1, 1908

8277 6

	V Gem	071713	est 9.6 ×	
	7 15	+13.2		2 37 4 38 ε
9 40	35			
	2			
	4 40 ε			+136
	Z Per. 023341		est m < Var ×	
9 42	0.5 w	+41.8	2 : 39	
48 4.033				
	S Can Min	072908	m 3 Var ×	
9 46	7 27	+8.8		2 43 4 45 ε
	2 40			
	4 47	ε look up comp * magns charts don't agree		+8.8
	U Can Min	073508	est 9.8 ×	
9 54	7 36	+8.6		2 51 4 65 ε
	2 48			
	4 48	ε		+8.8
	T Gem	074923	est 9.8 ×	
10 1	7 41	+24.0		4 44 ε 2 58
	2 52			
	4 49 ε			+24.2

8277 6

Dec 1, 1908

8277 6	Z Per. 023341 est m × 2 var	
	2 33 +41.8	3 0
10 3	2 59	0 27 w
+1 9	0 26 w	
+.048		+41.8
	U Gem 074922 est <12.0 ×	
		3 6
	7 49 +22.0	4 42 E
10 9	3 1	
	4 48 E	+22.7
	RT Persei 031646 est f 4 var ×	
		3 11
	3 17 +46.0	0 5 E
10 14	3 7	
	0 10 E	+46.3
	RW Tauri 035727 est c 5 var ×	
		3 13
	3 55 +27.8	0 44 E
10 16	3 12	
		+27.8
	0 43 E	
	RW Per 041242 est c 3 3 e[illegible] ×	
	4 11 +42.0	3 15
10 18	3 14	0 58 E
	0 57 E	
8277 6		+42.1

Dec. 1, 1908

8277 6	U Leporis 045221		est 9.9 ×	
				3 22
	4 49	−21.0	4 51 −21.4	1 31 ε
16 25	3 16		3 18	
	1 33 ε		1 33 ε	−21.2
	Y Aurig 052142		est 9.5 ×	
				3 26
	5 22	+42.2		1 54 ε
10 29	3 22			
	2 0 ε			+42.3
	T Monoc 061907		est 5.7 ×	
				3 29
10 32	6 20	+7.1		2 51 ε
	3 27			
	2 53 ε			+7.2
	Z Persei 023341		l 3.3 m ×	
				0 57 w
10 33	2 33	+41.8		3 30
+.1 39	3 30			
+.069	0 57 w			+41.8
8277.7	W Gem 062915		est 7.0 ×	
				2 56 ε
10 36	6 29	+15.4		3 33
	3 31			
8277 6	2 58 ε			+15.7

Dec 1, 1908

~~8277 6~~ U Puppis 075612 est 12.2+

3 37
17
4 ~~27~~ E

10 40 7 56 -12.8
3 35
4 21 E

-12.6

S Fornacis 034124 +

3 40 -24.0
3 40 34.1 -24.7 can't find readily
0 0 3 42
0 1 w

8277 7 Z Per. 02334 l 0,5m +

3 46
+ 12 w

10 49 2 33 +41.8
3 44
+1 55 1 11 W
+.080

+41.8

58 42 8
3 40 ~~A~~ P. P.
L.

(Wed) Dec. 2, 1908

L.C. Obs. J.D. 8278 8" Polar

8278 7	U Ceti	022813	est 9.3 x	
12 17	2 28 5 16 2 48 w	-12.6		5 19 2 50 w -13.5
	Z Persei	023341	c 2, 3 d x	
12 23	2 33 5 20 2 47 w	+41.8		5 25 2 51 w +41.8
	Metcalf's Var	033105	est m 5 var x	
12 25	3 31 5 25 1 54 w	+5.3		5 27 1 56 w +5.1
	RW Tauri	035727	c 4, 1 d x	
12 29	3 55 5 28 1 33 w	+27.8		5 31 1 35 w +28.0
	W Eridani	040725	est 11.3 f	
12 32	4 6 5 32 1 26 w	-25.4		5 34 1 26 w -25.3
8278 7				

Dec. 2, 1908

8278 7	T Erid	035124	< 11.5 ×	
				5 39 1 48 w
12 3.7	3 50	−24 8		
	5 35			
	1 45 w			−24.3
	RW Per	041242	C 3, 2 e ×	
				1 29 w 5 41
12 39	4 11 5 40 1 29 w	+41.9		
				+42.1
	T Tauri	0416.9	est 9.8 ×	
				1 29 w 5 44
	4 16	+19.3		
12 42	5 42			
	1 26 w			+19.4
	U Leporis	045221	est 11.2 ×	
				0 56 w 5 49
12 47	4 52	−21.4		
	5 45			
	0 53 w			≠ −21.2
	W Aurig	052036	est 10.2 ×	
				5 51 0 32 w
12 49	5 20	+ 36.8		
	5 50			
8278 7	0 30 w			+ 37.0

Dec. 2, 1908

8278 7	Y Aurigae	052142	est 10.1 ×	
12 51	5 22 5 52 0 30 w	+42.4		0 33 w 5 5.3 +42 3
	RR Tauri	053326	est 12.4 ×	
12 53	5 33 5 53 0 20 w	+26.0		0 23 w 5 5 5 ~~12 1~~ +26.4
	SS Aurig	060547	est <12.4 ×	
12 56	6 5 5 56 0 09 E	+47 5		5 5 8 0 6 E +48.0
8278 8	V Aurigae	061647	est 11.2 ×	
13 2	6 13 6 1 0 12 E	+47.2		6 4 0 11 E +47 8
	T Monoc	061907	est 5.8 ×	
13 4	6 19 6 45 0 14 E	~~44~~ +7.1		6 6 0 14 E +7.2

Dec. 2, 1908

8278 8	W Gem	062915	est 6.8	×	
13 6	6 29 6 7 0 22 E	+15.4			6 8 0 21 E +15.4
	R Mon	063308	est 11.5	×	
13 8.	6 33 6 8 0 25 E	+8.8			6 10 0 24 E +8.7
	X Gem	064030	est 12.0	×	
13 11	6 40 6 10 0 30 E	+30.8			6 13 0 28 E +30.4
	S' Can Min	072708	est 10.3	×	
13 15	7 27 6 14 1 13 E	+8.5			6 17 1 11 E +8.4
	U Can Min	073508	est 9.7	×	
13 20	7 36 6 18 1 18 E	+8.6			6 22 1 14 E +8.6
8278 8					

Dec. 2, 1908

8278 8

	Z Puppis	072820b	est <11.8 x	
13 24	7 27 6 22 1 5E	-20.6		6 26 1 2E -20 3
	X Puppis	072820a	est 8.6	
13 25				6 27 1 1E -20.6
	S Gem	073723	est <12.5 x	
13 32	7 37 6 27 1 10E	+23.7		1 2E 6 34 +23 7
	U Gem	074922	est <12.5 x	
13 34	7 49 6 35 1 14E	+22.0		6 36 1 12E +22 4
	R Cancri	081112	est 10.0 x	
13 38	8 11 6 37 1 34	+11.8		1 30E 6 40 +12.2

8278 8

Dec. 2, 1908

8278 8

V Cancri 081617 est 10.0 ×

13 42 8 16 +17.8

6 41

1 35 ε

1 31 ε
6 44

+17.6

RT Hyd 082405 est 8.5 ×

13. 45 8 24 −5.8

6 45

1 39 ε

6 47
1 37 ε

−5.8

U Cancri 083019 est <12.4 ×

13 47 8 32 +19.6

6 48

1 44 ε

6 49
1 40 ε

+19.3

Lights gave out for awhile

X Urs Maj 083350 est 9.8 ×

14 9 8 33 +50.2

7 8

1 25 ε

1 20 ε
7 11

+50.6

S Hydrae 084803 est 8.5 ×

14 12 8 48 +3.4

7 12

1 36 ε

7 14
1 33 ε

+3.6

8278 8

Dec 2, 1908

8278 8	T Hydrae	085008	est 7.8	×	
14 15	8 49 7 15 1 34 E	−8.4			7 17. 1 34 E −8.6
	T Cancri	085120	est 8.6	×	
14 16	8 51 7 18 1 33 E	+20.4			1 31 E 7 18 +20.1
	W Cancri	090425	est 8.5	×	
14 18	9 5 7 19 1 46 E	+25.6			7 20 1 42 E +25.7
	W Ursae Maj	093656	est 7.8	×	
14 21	9 36 7 21 2 15 E	+56.4			7 23 2 10 E +56.4
	R Leo Min	093934	est 7.4	×	
14 23	9 39 7 24 2 15 E	+35.0			7 25 2 13 E +35.1
8278 8					

Dec. 2, 1908

8278 8

	R Leonis	094211	est 5.6 +	
				7 27
14 25	9 42	+119		2 14 ε
	7 26			
	2 16 ε			+12.0
	V Leonis	095421	est if seen = 12.4 ×	
				2 23 ε
14 29	9 54	+217	prob. not seen L.C.	7 31
	7 28			
	2 26 ε		∴ < 12.4	+22.0
	W Leonis	104814	est < 12.2 ×	
				7 36
14 34	10 48	+14.1		3 11 ε
	7 32			
	3 16 ε			+14.5
	S Leonis	110506	est 12.4 ×	
				3 25 ε
	11 4	+5.6		7 40
14 38	7 37			
	3 27 ε			+6.2
	R Comae	115919	est < 12.5 ×	
				4 15 ε
	11 59	+19.3		7 43
14 41	7 41			
	4 18 ε			+19.4

8278 8

Dec. 2, 1908.

	S Pyxidis	090024	est 12.0	×	
					7 48
	9 1	−25.0			1:13 ε
14 46	7 45				
	1 16 ε				
					−24.6
	RR Hyd.	094023	est 12.1	×	
					7 51
14 49	9 38	−23.3			1:49 ε
	7 48				
	1 50 ε				−23.4
	Y Hyd	094622	est 7.0	×	
					7 53
14 51	9 46	−22.5			1 54 ε
	7 52				
	1 54 ε				−22.3
	V Hydrae	104620	est 6.7	×	
					2 53 ε
14 53	10 47	−20.7	Redness = 8−9		7 55
	7 54				
	2 53 ε				−20.6
	SS Virg	122001	~~est~~ 7.3	×	
14 55	12 20	+1.3	Redness 7−8		~~4~~ 22 ε
	7 56				7 57
	4 24 ε				+1.6

Dec 2, 1908

8278 8

	T Can Ven	122532	est 11.8 ×	
14 57	12 25 7 58 4 27 E	+32.0		7 59 4 26 E +32.4
	T Urs Maj	123160	est 10.6 ×	
15 1	12 32 8 00 4 32 E	+60.0		4 24 E +60.6 8: 3
	S Urs Maj	123961	est 11.6 ×	
15 5	12 39 8 4 4 35 E	+61.6		8: 7 4 26 E +61.6
	RS Urs Maj	123459	est 9.8 ×	
15 9				8. 11 4 18 E +59.3
	T Virginis	120905	est 10.2 ×	
15 16	12 7 8 13 3 54 E	−5.3		3 51 E 8 18 −5.4

8278 8

Dec. 2, 1908

	y Virg.	122803		
	12 29	−3.9	abandoned for now	
	8 19			
	4 10E			
8278 ~~8~~9	R Virgin.	123307	est 7.3 ×	
				4 6E
15 24	12 33	+7.5		8 26
	8 24			
	4 9E			+7.6
	RU Virg	124204	est 10.5 ×	
~~8278 9~~				4 13E
15 26	12 42	+4.7		8 28
	8 27			
	4 15E			+5.1
	U Virgin	124606	est 8.0 ×	
				4 15E
15 28	12 44	+58		8 30
	8 29			
	4 15			+64
	RT Virg	125705	est 8.5 ×	
				4 25E
15 30	12 57	+5.7		8 32
	8 31			
8278 9	4 26E			+6.1

Dec. 2, 1908

8278 9

Y Virg 122803 est 9.9 ✕

12 25 −3.8
15 35 8 33
3 52 Σ

3 51 Σ
8 37
−3.6

R Corvi 121418 ✕

12 14 −18.7
8 38
3 36 Σ

Too low at present.

R Corvi resumed est 11.5

12 14 −18.7
16 33 9 33
2 41 Σ

2:40 Σ
9 35
−18.4

RV Virg 130212 est 11.8 ✕ if seen

16 36 13 2 −12.6
9 36
3 26 Σ

9 38
3 25 Σ
−12.8

VV Virg 132202 est 10.6 ✕

16 41 13 20 −2.9
9 40
3 40 Σ

3 39 Σ
9 43
−2.6

8278 9

Dec. 2, 1908

8278 9

	W Virg	132002	est 11.7	ft to est
				3 .34 Σ
16 45				9 47
				−2.8
	S' Virginis	132706	est 6.4 ×	
				3 35 Σ
16 51	13 27	−5.7		9 53
	9 48			
	3 39 Σ			−6.2
	R Can Ven	134440	est 8.2 ×	
				3 47 Σ
16 53	13 41	+39.0		9 55
	9 54			
	3 47 Σ			+40.1
	Z Bootis	140113	est ×	
	14 1	+14.5	cant find	
	9 56			
	4 05 Σ			
	S' Bootis	141954	est 9.8 ×	
				10 4
17 02	14 19	+54.0		4 12 Σ
	10 3			
	4 16 Σ			+54.5

8278 9

Dec 2, 1908

8278 9 V Bootis 142539 est 8.5 ×

4 15 ε

10 8

17 6 14 28 +39.0

10 05

4 23 ε

+39.3

R Bootis 143227 est <12.0 ×

4 19 ε

10 12

17 10 14 33 +27.2

10 8

~~4~~ 25 ε

+27.3

R Hydrae 132422 est 7.6 ×

10 17

3 8 ε

13 24 −22.8

17 15 10 13

3 11 ε

−22.4

RR Virg 135908 est <12.0 ×

10 21

3 38 ε

13 59 −8.7

17 19 10 18

3 41 ε

−8.4

Z Virg 140512 est 12.0 × copied from memory L.E.

6 4

3:41 ε

14 5 −12.8

54 – 488

** 10:23

17 21 10 22

11 – 51

3 43 ε

8278 9

Quit for tonight.

−12.7

8279 5
8279 5
8279 5

Thursday Dec. 3 1908

L.C. obs MacAuliffe Rec. 8 inch Polar

SS Cygni 213843 ~~est~~ 11.0 ×

R.a. 21:37 +43.2

S.T. 24:38

7:37 H.a. 3 1 W

~~0 53~~

S.T. 0:41

H.a. 3:4 W

Dec. +43.2

RT Per. 031646 + est ~~H~~h 5,1 k

3 16 +46.0

7:45 1 46 0 49

-0:45 2 30 E 2 24 E

-.031

+46.3

Metcalf's Var 033105 est m5,1n ×

3 31 +55 ×

0 53

2 38 E

0 54

2 36 E

+5.2

RU Cygni 213753 ×

21 37 +54 2

20 57 too far by

3 20 W

Z Androm. 232848 est 10.8 ×

23 29 +48 5 1 6

25 00 1 38 W

1.38 W

8279 5

+48.2

Dec. 3, 1908

8279 5 W Pegasi 231425 est 7.4 ×

23 14	+25.7		1 11
25 8			1 57 W
1 54 W			
			+25.8

R.T. Persei 031646 est 45, 0h ×

8279 6	3 13	+46.3		1 16
	1 13			1 58 E
8:12	2 00 E			
−0:18				
−.018				+46.3

R Aquarii 233815 est 10.1 ×

23 37	−15.7		1:20
25 18			1:42 W
1 41 W			
			−15.8

Z Aquarii 234716 est 8.5 ×

23 47	−16.4		1:23
25 21			1:37 W
1.34 W			
			−16.1

V Ceti 235209 est <11.8 ×

23 51	−9.5		1 28
25 25			1 36 W
1.34 W			
8279 6			−9.5

Dec 3, 1908

8279 6

Z Ceti 010102 est 11.5 ×

1 : 1 -2.0 1 33
1 31 0 32 W
0 30 W

-1.8

X Cassiop 014958 est 10.7 ×

1 49 +58,8 1 37
1 35 0 09 E
0 14 E Var. n.p. X = 10.5
var. n.f. X = 10.8

+58.9

RT Per. 031646 est 8' 3,3h ×

3 13 +46 3 1 44
1 43 1 30 E
1 30 E

8:40
+α :10
+.007

+46.3

T Androm. 001726 est 8.5 ×

0 17 +26.4 2 1
1 59. 1 45 W
1.42 W

+26.6

R Androm. 001838 est 9.9 ×

0 19 +38.0 2 3
2 02 1 46 W
1 43 W

8279 6

+38 2

Dec 3, 1908

8279 6

T Arietis 024217 est 8.9 ×
2.43 +17 1 — 2 5
2.04 — 0 36E
.39E

+17.1

W Persei 024356 est 8.7 2 ×
2 42 +56 6 — 2 .7
2 06 — 0 34E
.36E

+56.6

R T Persei 031646 est 9.33h ×
3 13 +46 2 — 2 10
2 08 — 1 4E
1.35E

9.6
+0.36
+0.25

+46.2

R Persei 032335 est 8.7 ×
3 25 +35 3 — 2 13
2 11 — 1 8E
1 14E

+35 6

Y Aurigae 052142 est 9.6 ×
5 22 +42.4 — 2 15
2 14 — 3 3E
3 08E

8279 6

+42 6

Dec 3, 1918

8279

SS Aurigae 060547 est. +

6:5 +47 5 2 20
2 16 3 43E
3 49E

if var is seen est
= 12.0
look up in 24 inch
not seen see 24" Record
+47.9

R Leporis 045514 est 7.8 ×

4 55 −15 0 2 24
2 22 2 29E
2 33E

−14.7

T Leporis 050022 est 10.7 ×

5 0 −22 5 2 27
2 25 2 31E
2 35E

−22.3

U Leporis 045221 est 10.0 ×

4 52 −21 4 2 32
2 28 2 20E
2 24E

est difficult
due to bright pits 21.2

RT Persei 031646 est 9.1, 5h ×

3 13 +43 3 2 35
2 33 0 39E
9:31 0.40E
+1 1
+042

+46.2

8279

Dec 3, 1908

8279 6. V Monoc 061702 est 11.5 x
6 18 -2 1
2 37
3 41 E

2 44
3 03 E

-1.7

T Monoc 061907 est 5.8 x
6 20 +7.1
2 45
3 35 E

2 48
3 30 E

+7.2

W Gemin. 062915 est 7.0 x
6 29 +15 4
2 49
3 40E

2 50
3 37 E

+15.6

W Monoc 064707 est 10.0 x
6 46 -7 0
2 52
3 54E

2 54
3 53 E

-6.8

Y Monoc 065711 est 10.0 x
6 51 +11 4
2 55
3 56E

3 0
3 51 E

+11.7

8279 6

Dec 3, 1908

RT Persei 031646 est +30, 38'

3 13 +46 2

3 1

0 12E

3 2

0 11E

9.58

+ 1:28

+.01

+46.3

8279 6

4

30 – 51 3 L. P. P.

2 – 53

Sat. Dec 5, 1908

L.C. Obs. 8" Polar J.D. 8281

8281 5 S.S. Cygni 213843 est 11.1 x

2 27 w

6 52 21 38 +43 2

0 5

24 4

+43 2

2 26 W

RW Aquilae 200715 b est 9.5 x

0 9

20 7 +15.8

4 2 w

6 56 24 7

4 0 w

+15.8

R S Cyg. 200938 est 8.8 x

4 1 w

20 9 +38.4

0 11

6 58 24 9

4 0 w

+38.4

R Delph 201008 est x

20 1[illegible] +8.8 Too far by

6 59 24 1[illegible]

4 1 w

W X Cyg 201437 b est 10.8 x

4 2 w

7 4 20 14 +37.1

0 17

24 13

3 59 w

+37.4

8281 6

Dec. 5, 1908

8281 5

		V Sagitt.	201520	est 11.5 ×	
7	6	20 14 24 18 4 4 W	+20.8		0 19 4 5 W +20.9
		RW Cygni	202539	est 7.8 ×	
7	9	20 25 24 20 3 55 W	+39.7		0 22 3 57 W +39.8
		SZ Cygni	202946	est ×	
7	11	20 30 24 23 3 53 W	+46.2	can't reach region	

8281 5

6 5 20 LP P
5 3

Mon. Dec 7. 908

L.C. Obs St Polar

8283 5 SS Cygni 21 38 43 ×

est 10.5

3.2 / W
0 57 9
+43 2

7 38

1 . 521 L.P.P.
— 53

8283 5

Dec 10, 1908

L.C. Obs 8" Polar 8286

8286 5

RW Tauri 035727 est e 3, 2 f

7 25 0 58
2 58 ε
+ 28.0

7 36 ~~est~~ e 5, f 1, 3 g
1 9 2 ~~8~~ / ε + 28.0
3 57
1 24
2 33 ε

7 52 ~~est~~ g 3, 2 ~~k~~ m
1 25 2 0 / ε + 28.1

8 02 ~~est~~ h 0, 3 l (g 5 m 3 k / m 5 h)
2' 30 2 21 ε + 28.1

8 11 est l 3, 3 n (g 3 n 3 k)
2' 44 2 12 ε + 28.1

8 21 est l 5, 0 n
1 52 2 2 ε + 28.1

8286 5

~~8 33 est l 4, 1 n ? wrong to for Va~~
2 6 1 50 ε + 28.1
~~8 42 est l 4, 1 n ? wrong * for Va~~
2 15 1 41 ε + 28.6

cont on page 135

Dec 10, 1908

SS Cygni 213843 est 10.1

7 29 21 38 +43.6 — 1 : 2
25 01 — 3 24 W
3 23 W — +43.3

VX Cyg 205339 est 10.4 x

7 33 20 54 +39.8 — 1 6
25 04 — 4 12 W
4 10 W — Cldz near — +39.8

VY Cyg. 210039 est x

21 0 +39.6 — Too far west — 1
25 27
4 27 W

VZ Cyg 214742 est 9.1 x

21 47 +42.0 — 1 30
25 28 — 3 42 W
3 41 — +42.6

V Lacert. 224455 x

22 45 +55.1 — Can't reach it
25 31
2 46 W

Dec. 10, 1908

8286 6

— Cass 004746b est 10.8 x

1 5 w

8 18 0 47 +47.0 0 48 +46.4 1 51

1 38

1 46

0 51 W 0 58 w

+47.0

RX And 005840 est 12.8 x barely seen

1 0 w

8 23 0 56 +40.6 1 56

1 56

1 0 w

+40.8

S Lacertae 222439 est 11.0

2 3

22 26 +39.6 3 36 w

8 30 25 58

3 32 W

+39.8

V Cass 230759 x

23 7 +59.1 too far West

26 7

3 0 w

8 37 ST And 233335 est 9.5 x

2 10

23 33 +35.0 2 36 w

26 08

2 35 W +35.1

8286 6

Dec 10, 1908

8286 6

-Tauri 033105 m 5,0 n ft to est.

8 39
3 31 +55
2 10
1 21 Σ

2 12
1 20 Σ

+0 ?

N° St Aurigae 060547 est <12.2

8 41
6 5 +475
2 13
3 02 Σ

3 49 Σ
2 14

+48.1

U Cass 004047 est 8.8

8 45
0 40 +47.7
2 17
1 37 w

1 38 w
2 18

+47.7

R Triang 023133 est 6.3

8 47
2 30 +34.2
2 ~~1~~8
~~8~~
12 Σ

2 20
0 10 Σ

+35.8

U Pisc 011712 est 11.0

8 50
1 16 +12.2
2 21
1 5

2 23
1 6 w

+12.5

8286 6

Dec. 10, 1908

8286 ~~6~~ RW Tauri 035727 cont from page 138 +

~~[illegible] wrong * for var last 2 times.~~

8 54 ~~var background~~ ~~= 3 var~~ var 1 m ?

2 27 1 30 E +28.1

9 17 ~~if seen var = 4~~ var 1 m + ?

2 50 1 7 E +28.1

~~if seen~~ var = 2 m ?

9 41 3 18 0 43 E +28.1

10 12 est m 2,2 h same of var [illegible]

3 45 0 13 E +28.1

10 18 ~~est 3 5~~ g 4,0 m 5 h

3 51 0 7 E +28.1

10 24 est g 2, 2 m Y

3 57 0 0 +28.1

10 40 est f 1,2 g

4 13 0 16 W +28.0

8286 ~~6~~

Dec. 10, 1908

W Tauri 042215 ~~est~~ 9.0 ×

~~1~~ 49 E
2 32

8 59 4 22 +15.8
2 31
1 51 E

+15.8

U Leporis 045221 ~~est~~ 10.2 ×

2 18 E
2 35

9 2 4 52 −21.4
2 33
2 19 E

~~4~~
−21.2

settings of Telescope east as far as I can see the

at −34° = 0h 0m
−30 = 1 40 E
−25 = 2 20 E
−20 = 2 30 E
−15 = 2 40 E
−10 = 2 50 E
−5 = 2 50 E
0 = 2 45 E
+5 = 2 30 E
+10 = 2 30 E
+15 = 2 25 E
+20 = 2 10 E
+25 = E
+30 = E
+35 = E
+40 = E

reject these readings — see next page

Dec 10, 1908

8286 6

Limit of Telescope E at which I can see some stars even through tree tops.

° h m
-30 = 0 0
-30 = 1 40 E
-20 = 3 30 E
-10 = 4 40 E
0 = 5 20 E
+10 = 5 20 E
+20 = 5 20 E
+30 = 5 20 E
+40 = 5 25 E
+45 = 6 0 E
+50 = 6 20 E
+55 = 6 0 E
+60 = 5 20 E
+61 = 0 45 E

+61 = 0 45 W west now
+60 = 1 30 W
+55 = 2 40 W
+50 = 3 10 W
+45 = 3 45 W
+40 = 3 50 W
+30 = 4 5 W
+20 = 4 0 W
+10 = 3 30 W
0 = 3 20 W
-10 = 3 10 W
-20 = 2 30 W

60" Found ~~at~~
Found toward marker

8286 6

Dec 10, 1908

−30 = 2.0 w
−36 = 1 0 w

28 5 49 L.P.P
1 54

(Sat) Dec. 26, 1908

L.O. Obs. 8" Pol JD 8302

	RT Per	031646	est g'2,4h	×
29	3 16	+45 8		
7 ~~37~~	2 00			2 05
6 56	1 16E			1 10E
+0 33				
				+46.0
	RW Per	041242	est f0,3k	×
	4 11	+42 0		
7 34	2 6			2 10
8 26	2 5E			2 01E
−0 52				
				+42 2
	– Caso	004746b	est ~~—~~ 10.5	×
	0 46	+47 2		
7 39	2 12			2 15
	1 26W			1 30W
				+46 9
	RX And	005840	est 11,8	×
	0 56	+40 5		2 19
7 4~~4~~3	2 17			1 23W
	1 21W			
				+40 8
	RZ Aur	054231	est 83.3h	×
7 49	5 42	+31 6		2 25
	2 20			3 17E
	3 22E			
				+31 8

Dec. 26, 1908

– Tauri 033105 est m 2, 3 n ×

3 31 +5 0
2 25
1 06E

7 51

2 27
1 06E

+1 54

RT Per. 031646 est g' 4, 2 g 4 h ×

2 20
0 46E

7 54
6 56
+0 58

+4 6 3

RW Per 041242 est f 4, 2 h ×

2.33
1 38E

7 57
8 26
−0 29

+4 2 1

SS Aur 060547

6 05
2 35
3 30E

abandon stars too dim

8.57 L.P.O.
54

Thurs Dec 31, 1908

L.C. Obs. 8" Polar JD 8307

8307.5 R Ceti 022000 est 11.8 x faint

2 38

7 42 ~~30~~ region near moon 0 20 w

est doubtful

−0.4

Cass

~~RV Cass~~ 004746b est 10.2 +

~~10~~

7 45 ~~53~~ 0 46 +47.2 1 55 w

2 39 2 41

1 53

+46.8

R Ariet 021024 est 8.9 +

2 42

7 46 ~~34~~ 2 18 +24.6 0 32 w

2 42

0 32 w

+24.7

S Ceti 001909 est 8.2 +

2 25 w

7 48 ~~36~~ 0 18 −9.8 2 44

2 43

2 25 w

−9.4

U Cass 004047 est 7.9 +

2 6 w

7 50 ~~38~~ 0 40 +47.7 2 46

2 45

2 5 w

+47.7

Dec 31, 1908

8307.5 Z And 232848 ~~est~~ 11.2 +

26 49
~~45~~ ~~50~~ 23 29 +48.6 3 20 w
7 44 26 47
53 3 18 w +48.2

W Pegasi 231425 ✓

23 14 +25.9 cut off
26 50
3 36 w

V Andr 004435 est 10.6 +

58 0 44 +35.0 2 8 w
7 ~~46~~ 2 51 2 5.4
2 7 W
+35.2

W Cass 004958 est 9.9 +
2 56
8 00 0 49 +58.6 2 7 w
2 55
2 6 w
+58.0

X Cass 014958 ~~est~~ 11.0 +
1 11 W
8 03 1 49 ~~+58.8~~ Var? np = 10.5 2 59
2 57 Var nf = 10.3
1 08 W
+58.8

Dec 31, 1908

8307.5	δ Persei	021558	est 8.7 +	
8 8	2 15 3 03 0 48 W	+58.0		0 50 W 3 4 +58.1
~~8307.6~~	R Triang.	023133	est 7.0 +	
8 10	2 30 3 04 0 34 W	+34.0		3 6 0 35 W +34.7
	T Ariet.	024217	est 9.0 +	
8 11	2 43 3 07 0 24 W	+17.0		3 7 0 25 W +17.1
8307.6	U Orionis	054920	est 10.6 +	
8 14	5 48 3 08 2 40 E	+20.1		2 39 E 3 10 +20.4
	Z Tauri	054615	est < 11.6 +	
8 18	5 46 3 11 2 35 E	+15.7		3 14 2 32 E +16.0

Dec 31, 1908

8307.6 W Aurig 052036 est 11.0 +

3 18
2 0 E

8 22 5 20 +36.8
3 15
2 5 E

+36.9

S Orion 052404 est 8.8 +

2 4 E
3 20

8 24 5 24 −4.8
3 19
2 5 E

−4.4

T Orion 053005a est 10.6 +

3 23
2 8 E

8 27 5 30 −5.5
3 21
2 9 E

−5.4

RR Tauri 053326 est 11.6 +

2 8 E
3 25

8 29 5 33 +26.0
3 24
2 9 E

+26.5

U Aurig 053531 est 10.8 +

2 7 E
3 28

8 32 5 34 +31.8
3 26
2 8 E

+32.2

Dec. 31, 1908

8307.6 Z Aurigae 055353 est 10.0 +

2 20 E
3 31

8 35 5 53 +53 6

3 29

2 24 E

+53 3

8 40 Haze & cloud now

W Persei 024356 est 8.8 +

1 24 W
4 6

9 10 2 42 +56.6

~~4~~ 05

1 23 W

+56 6

Y Persei 032043 est 8.4 +

0 47 W
4 08

9 12 3 20 +43.8

4 07

0 47 W

+44 0

R Persei 032335 est 8.9 +

0 46 W
4 10

9 14 3 26 +35.3

4 09

0 43 W

+35.4

W Tauri 042215 est 10.0 +

0 8 E
4 14
+15.7

9 18 4 23 +15.8

4 11

0 12 ~~W~~ E

Dec. 31, 1908

8307.6 S Aurig 052034 est 8.8 +

9 21
5 20 +340
4 15
1 5 Σ

1 2 Σ
4 17
+ 34.0

R Lyncis 065353 est 9.2 +

9 26
6 53 +55.0
4 18
2 35 Σ

2 28 Σ
4 22
+ 55.5

RR Mon 071201 est 9.8 +

9 39
7 13 +1.4 7 1.2
4 23 4 29
2 50 Σ 2 4.3 Σ

2 38 Σ
4 35
+1.4

U Gem 074922 est <11.7 +

9 48
7 49 +22.0
4 36
3 13 Σ

4 44
3 4 Σ
+22.0

2A 585 J P
2 56

Friday Jan. 1, 1909

L. C. Obs 8" Polar 8308

8308.7	V Monoc 061702 est 11.9 ×	
12 29	6 18 −1.5 7 26 1 8 W	1 12 W 7 29 −2.0
	R Monoc 063308 est 11.0 ×	
12 33	6 33 +8.8 7 30 0 57 W	1 0 W 7 33 +9.0
	W Monoc 064707 est 10.9 ×	
12 36	6 46 −6.7 7 34 0 48 W	0.49 W 7 36 −6.8
	Y Monoc 065711 est 8.8 ×	
12 38	6 51 +11.5 7 37 0 46 W	0 47 W 7 38 +11.4
	X Monoc 065208 est 7.0 ×	
12 39	6 52 −8.9 7 39 0 47 W	0 47 W 7 39 −8.8

Jan 1, 1909

8308.7 V Can Min 070109 est 11.6 +

0 40 W
7 41
+8.9

12 41 7 1 + 8.8
7 40
0 39 W

R Gem 070122a est 11.2 +

0 42 W
7 43
+22.8

12 43 7 0 + 22.9
7 41
0 41 W

R Can Min 070310 est 8.7 +

0 41 W
7 44
)
+10.4

7 3 +10.2
7 43
0 40

V Gem 071713 est 10.6 +

0 32 W
7 49
+13.2

12 49 7 15 +13.3
7 45
0 30 W

S Can Min 072708 est 11.2 +

0 24 W
7 52
+8.8

7 20 +8.6
7 50
0 30 W

Jan. 1, 1909

8308.7	U Can Min 073508 est 9.4 ×		
12 54	7 35 7 53 0 18 w	+8.6	0 18 w 7 54 +8.6
	S Gemini 073723 <12.4 ×		
12 57	7 37 7 54 0 17 w	+23.7	0 20 w 7 57 +23.7
8308.8	T Gemini 074323 11.8 est ×		
13 1	7 41 7 58 0 17 w	+24.0	8 1 0 18 w +23.8
	U Gemini 074922 est 11.2 ×?		
13 5	7 49 8 01 0 12 w	+22.0	8 5 0 16 w +22.3
	R Cancri 081112 est 10.6 ×		
13 8	8 11 8 06 0 5 E	+11.5	8 8 0 3 E +12.1

Jan 1, 1909

8308.8 ~~R~~ V Cancri of 1~~4~~016 7 ~~est~~ 11.5+

(3 10 8 16 +18.0 — 8 10

8 08 — 0 5 ε

8 ε

+17.6

RT Hydrae of 2405 ~~est~~ 8.8+

0 11 ε

8 24 −5.5 — 8 13

8 11

13 ε

−5.8

U Cancri of 3019 est <12.2+

8 ~~31~~ +19.2 — 0 14 ε

8 14 — 8 15

17 ε

+19.2

X Urs Maj of 3350 est 9.5+

0 11 ε

(3.20 8 30 +50.0 — 8 20

8 16

14 ε

+50.4

δ¹ Hyd. of 4803 est 8.4+

8 22

8 48 +34 — 0 26 ε

(3 22 — 8 21

27 ε

+36

Jan 1, 1909.

8308.8	T Hyd 085008 est 8.1 ×		
13 23	8 50 8 23 27 ε	−8.8	0 26 ε 8 23 − 8.6
	T Cancri 085120 est 8.9 ×		
	8 51 8 24 27 ε	+20.2	0 27 ε 8 24 +20 2
	W Cancri 090425 est 9.2 ×		
13 26	9 6 8 25 0 41 ε	+25.8	0 36 ε 8 26 +25.6
	R Leo Min 093934 est 6.9 ×		
13 28	9 39 8 27 1 12 ε	+34.9	1 9 ε 8 28 +35.0
	R Leonis 094211 est 6.5 ×		
13 30	09 42 8 28 1 14 ε	+12.0	1 12 ε 8 30 +11.9

Jan. 1, 1909

8308.8 RR Hyd 094023 est 11.6 +

0 50 E
8 50

9 36 -23.2
13 58 8 48
0 48 E
+23.4

V Urs Maj 090157 est 9.3 +

8 57
13 57 9 1 +52.0
0 6 E
8 57
0 10 E
+506

Y Hyd 094622 est 7.0 +

8 59
9 46 -22.6
0 47 E
13 59 8 58
0 48 E
-22.8

V Leonis 095421 est <11.7 +

9 1
14 1 9 54 +21.7
0 53 E
9 00
0 54 E
+21.7

W Leonis 104814 est <11.6 +

1 43 E
10 46 +14.2
9 4
9 2
+14.2
1 44 E

Jan. 1, 190~~8~~9

8308.8	S Leonis	110506	11.9 ×	
14 50	11 3 9 5 1 58 E	+6.2	+5.5 11 3 9 43 1 20 E	9 50 1 15 E +6.0
	S Cancri	083819	est 8.0 +	
14 54	8 35 9 51 1 16 W	+20.0		9 54 1 17 W ~~+~~ +19.4
	V Hydrae	104620	est 7.3 +	
14 56	10 47 9 55 0 52 E	-20.7		0 50 E 9 56 -20.7
	R Comae	115919	est <12? ×	
14 58	11 59 9 57 2 2 E	+19.3		2 0 E 9 ~~58~~ +19.~~4~~
	T Virginis	120905	est 11.0 +	
15 2	12 9 10 0 2 9 E	-5.1		10 2 2 7 E -5.0

Jan. 1, 1909

8308.8 T Can Ven 122532 est 12.4 +

2 16 ε
15 8 12 26 +3.20 10 8
10 06
2 20 ε
+3.20

SS Virg 122001 est 7.0 +

15 9 12 20 +1.3 2 9 ε
10 09 10 9
2 11 ε
+1.5

Y Virginis 122803 est 10.7 +

15 13 12 29 -3.9 2 15 ε
10 10 10 13
2 19 ε
-3.7

~~8308.9~~ RV Virg 123307 est 10.0 +

2 15 ε
15 17 12 33 +7.5 10 17
10 13
2 20 ε
+7.7

124204 RU Virg est 9.8 +

2 17 ε
12 42 +4.7 10 21
10 18
2 24 ε
+ 240

Jany. 1, 1909

8308.9 U Virgin 124606 est 8.1 ✓

15 25

12 44 +6.0
10 23
2 21

2 19 ε
10 25
+6.0

RT Virg. 125705 est 8.7 ✓

15 32

12 57 +5.7
10 26
2 31 ε

12 57
10 30
2 27 ε

2 26 ε
10 32
+6.1

T Virgin. 120905 ✓

12 9 −5.1
10 33
1 36 ε

abandon

R Corvi 121418 est < 11.8 ✓

15 38

12 14 −18.7
10 34
1 40 ε

1 38
−18.5
10 36
12 14

RV Virg. 130212 est

15 40

13 2 −12.6
10 37
2 25 ε

abandoned

Jany 1, 1909

8308.9

$1^h\ 45^m$ ~~Will~~ have to quit — Eyes so tired ~~that~~ region of light does not respond to the retina

3 7/6   6 22
6 2   L.P.P.

Thu. Jan. 15, 1909.

L. C. Obs. 8" Polar JD 8322

8322.5	Z Pegasi	235525	✓	
	23 55 +25.4 27 20 3 25 W	Too far by		
	R And.	001838	est 11.7 ×	
7 22				3 26 3 7 W +38.1
	S Ceti	001909	est 8.5 ×	
7 26				3 30 3 11 W −10.8
	U Cass	004047	est 8.5 ×	
7 28				3 32 2 51 W +47.8
	V And	004435	est 11.7 ×	
7 31				2 50 W 3 35 +35.3

Jan. 15, 1909

8322.5	W Cass.	004958	est	Too far by ✓
7 36	Z Ceti	010102	est	if seen 12.4 −1.7 2 :38 W 3 40
7 38	X Cass	014958	est 11.0 *	+58.8 1 :52 W 3 42
7 39	U Per	015354	est 8.1 *	1:49 W 3 ~~4~~3 + 54.0
7 41	R Arietis	021024	est 8.9 *	1 34 W 3 45 + 24.5
7 43	o Ceti	021403	est 5.7 *	3 47 1 34 W −3.5

Jan. 15, 1909

8322.5 R Persei 021558 est 8.8 ×

7 48

3 5 2
1 38.4 w
+ 5 8.1

R Ceti 022000 est 12.0 ×

7 53

3 5 7
1 36.4 w
- 0 7

R Fornacis 022426 est α 3, 3 β ×

7 5.5

1 34 w
3 5 9
- 26.4

U Ceti 022813 est 9.3 ×

8 8

1 35.4 W
4 4
- 13.3

8322.55 R Triang 023133 est 8.1 ×

8 10

1 33 W
4 6
+ 3 3 8

Jan. 15, 1909

8322.~~4~~5	T Ariet	024217	est 9.0	+	
8 1 ~~2~~ 1 5					4 ~~A~~ 7 1 25 W +17 ③
8322.6	W Per	024356	est 8.7	+	
8 12					4 ~~8~~ 1 26 W + 5 — 6.6
	U Ariet	030514	est 8.5	+	
8 16					1 7 W 4 12 +14.6
	Y Per	032043	est 9.4	*	
8 1~~7~~					4 14 0 54 W +44.0
	R Per	032335	est 9.9	+	
8 20					4 16 0 54 W +35.3

Jan. 15, 1909

8322.6	– Tauri	033105	Var NS.	
8 25				0 48 W 4 2 +5.0
	S Fornac	034124	est 8.8	
8 27				4 23 0 41 W –24.4
	U Erid –	034625	est < 11.0	
8 31				4 27 0:42 W –25.2
	T Erid.	035124	est 9.0	
8 32				4 28 0 37 W –24.2
	W Tauri	042215	est 11.5	
8 37				4 33 0 11 W +15.8

Jan. 15, 1908

8 22.6 S Tauri ~~est~~ 042309 est 11.5 if seen correctly +

8 42 4 38

8 43 R Tauri < 12.0 + 0 14 W

+ 9.8 +

R Leporis 045514 est 8.4

8 43 0.16 E

4 39

- 1 49

T Leporis 050022 est 11.2 +

8 46 4 4 -

0 19 E

- 2 1.8

R Aurig 050953 est 8.4 +

8 49 0 22 E

4 45 -

+ 5 35

S Aurig 052034 est 8 2 +

8 51 0 32 E

4 47

+ 3 43

166

Jan. 15, 1909

8322.6	S* Orion	052404	est 8.6 *	
8 53				4 49 0 36 E −4.6
	T Orion	053005a	est 10.5 *	
8 55				0 40 E 4 51 −5.4
	RR Tauri	053326	est 12.0 *	
8 58				0 38 E 4 54 +26.4
	U Orionis	054920	est 10.9 *	
9 3				0 51 E 4 59 +20.2
	U Aurig	053531	~~est~~ 10.8 *	
9 6				0 33 E 5 2 +31.8

Jan. 15, 1909

8322.6 Z Aurig. 05-5353 est 11.2 +

5 19
0 43 Σ

9 13

+ 5 32

U Gem 074922 est -

sky hazy to the East

9 20 Fuse burnt out on Hand light

L.P.P.

3 3 6 5 5
3 65

(Wed) Jan. 20, 190~~8~~9!

8327 5 L.C. Obs. 8" Polar J.D. 8327

R Pegasi 230110 too far by ✓

T Andr 001726 est
60" interferes

S Pisc 011208 est < 11.8 ×

7 32 | 1 10 | +8.3 | hazy | 2 35 w
3 35 | | | | 3 46
2 25 w

+8.5

X Ceti 031401 est 10.6 ×

0:28 w
7 28 | | | hazy? | 3:42

−1.6

S Arietis 015912 est < 11.6 ×

1 55 w
7 38 | 1 57 | +12.2 | hazy | 3 52
3 47
1 50 w

+11.9

RW Tauri 035727 est c 3.2 d ×

3 56
7 42 | 3 57 | +27.7 | | 0 0
3 55
Algol Variable
8327 5 0 2 2

+27.6

Jan 20, 1909

U Leporis 045221

4 52 -21.4 Cloudy

8 20 Too cloudy to continue

L P P

2 657

2 67.

8332 5

Mon Jan. 25, 1909

L.C. Obs ~~24~~ "8" J.D. 8332

−.029 −0 42 8 3 7 20	λ Tauri	035512	est 4.0 ✓	~~eye~~
7 47 8 3 −0 15 −.010	" "		est 4.0 ×	"
	Algol Var			
7 38 9 14 −1 36 −.067	Z Persei 1: 40W +41.5	023341	~~est~~ h 5.1 l × 4: 13	8" 11.6
7 50 9 14 −1 24 −.058	Z Per 1 52W +41.5		est h 6.0 l × 4 25	Algol Var. 11.7

8332 5

Jan. 25 1909

8332 5 W Pisc 011712 est < 11.6 ×

4:32
3:15 w
7 57 1 16 +12.2
+12.0

Y And 013338 est <11.3 ×

3 5 w
8 2
4 37
+ 388

RU And 013238 est <11.0 ×

4:43
8 8
3 9 w
+~~4~~37.5 —

8332 6
8 10 Cloudy

8 40 all cloudy

L P. P.
4 66
3 70

8335 5

Thurs Jan. 28, 1909

L.C. Obs 5" Polar — J.D. 8335

RT Per. 031646 est g½, 3h ×

3 42
0 23W
+46.1

6 56
+0 53
+ .037

3 15 +46.0
3 37
0 22W

Algol Var

Z Per. 023741 est f 33e × 10.2

Algol Var

7 00
−3 35
− .149

2 33 +41.5
3 44
1 11W

3 46
0 13W
+41.6

Metcalf Var 033105 m 2, 2n ×

0 27W
3 58
+50.0

7 12

3 33 +55
3 56
0 23W

U And 010940 est <11.8 ×

4 3
2 54W
+40.1

1 11 +40.2
3 59
2 48W

R Pisc. 012502 est 11.7 ×

2 44W
4 10
+24

1 22 +30
4 4
2 42W

8335 5

Jan. 28, 1909

8335 5				
	RT Per	031646	est ~~g~~ g ≥ 4 h x	
7 40				1 11
+1 37	3 18	+46.1		4 26
+.067	4 17			
*	0 59 w			+46.0
	Z Persei	023341	f 5, 2 e x	10.4
				4 19
7 33	2 33	+41.5		1 47 w
-3 2	4 18			
-.126	1 45 w			+41.6
	RT Per	031646	g 3, 2 h' x	
				4 48
8 02	3 16	+46.0		1 32 w
+1 59	4 46			
+.083	1 30			+46.0
	Z Persei	023341	est e 3, 0 g x	10.9
				4 51
8 05	2 33	+41.5		2 18 W
-2 30	4 50			
-.104	2 17 w			+41.6
8335 6	S Ariet	015912	est < 11.8 x	
				3 1 W
	1 57	+12.2		4 59
	4 53			
	2 56 W			+12.0

8335 6

Jan. 28, 1909

	RR Per.	022150	if seen 11.5	×
8 17	2 23 5 08 2 37	+50 8		5 3 2 41 W +50 4
	X Ceti	031401	est 10.4	×
8 19	3 13 4 04 1 57 W	−1.5		5 5 1 57 W −1.6
	T Tauri	041619	est 10.0	×
8 21	4 16 5 06 0 50 W	+19 3		0 50 W 5 7 +19.2
	S Tauri	042309	est 11.3	×
8 27	4 24 5 08 0 44 W	+10.0		0 49 5 13 +9.7
	RT Per	031646	est 9 3.3 h'	×
8 30 +2 27 +.102	3 15 5 13 1 58 W	+460		2 0 W 5 16 +46.1

8335 6

Jan 28, 1909

8335 6

Z Per. 02334 g 3, 5 l × 11.2
l barely seen 5 19
8 33 2 33 +41.5 2 45 W
+2 5 17
-.083 2 44 W +41.5

RX Taur 043208 if seen 11.5 ×
5 23
8 37 4 33 +8.0 0 51 W
5 20
0 47 W +8.0

V Taur 044617 est 9.5 ×
5 26
8 40 4 44 +17.1 0 41 W
5 24
0 40 W +17.1

Z Per 02334 g 6, 2 l 11.5 ×
9 07 var ft. 5 53
-1 26 2 33 +41.5 3 20 W
-.060 5 52 +41.6
3 19 W

R Orion 045307 est ✓
8335 6 4 56 +7.8 can't identify
6 00
1 4 W

Jan. 28, 1908

8335 6

Y Aurig 052142 est 9.7 ×

6: 5
5 21 +422
0 45w
6 03
0 42w
+42.0

RZ Aurig 054231 est 9 var ×

6:17
9 31 5 43 +31.6
0 34w
6 14
0 31W
+31.6

V Aurig 061647 est 10.0 ×

0 6w
9 34 6 14 +47.8
6: 20
6 18
0 4w
+47.6

V Mon. 061702 est ~~[illegible]~~ <11.5 ×

0 8w
6 17 −2.5
6: 26
9 40 6 21
4w
−2.3

T Mon 061907 est 5.9 ×

0 12w
9 45 6 19 +7.1
6 31
6 27
8w
+7.0

8335 6

Jan 28, 1908

8335 6

U Gem 074922 <11.5 ×

6 34
1 14 E

9 48 7 ~~4~~9 +22.0
6 32
1 17 E

+22 1

W Gem 062915 Est 7.0 ×

6 41
0 13 w

6 29 +15.4
9 55 6 35
0 6 w

+15.2

X Gem 064030 est 11.4 ×

0 6 w
6 46

6 ~~41~~ +30.2
10 08 6 43
2 w

+30 3

W Mon 064707 est 11.4 ×

0 4 w
6 50

10 4 6 46 -6 9
6 47
1 w

-7.2

Y Mon 065111 est 10.0 ×

0 2 w
6 53

10 7 6 51 +11.4
6 51
0 0

+11.2

8335 6

8335 6

Jan 28, 1909

	X Mon	065208	est 7.4 ×	
10 8	6 5 3 6 5 3 0 0	−8.9		9 1w 6 5 4 −8.9
	R Lyn.	065355	est 9.4 ×	
10 11	6 5 3 6 5 4 0 1w	+55.0		0 6w 6 5 7 +55.2
	R S Gem	065530	✓	
	6 56 6 58 0 2w	+30.6	Can't identify	
	R Can Min	070310	est 8.2 ×	
10 16	7 3 7 1 2 E	+10.2		7 2 0 1 E +9.9
	RR Mon	071201	est 10.2 ×	
10 19	7 12 7 3 0 9 E	+1.0		7 5 0 7 E +12

8335 6

Jan. 2~~7~~8 1909

8335 6

V Gem 071713 est 11.3x

10 22 | 7 15 +13.3 | 7 8
7 6 | 0 8 Σ
0 9 Σ | +13.0

S Can Min 072708 est 11.5x bad seeing

10 26 | 7 21 +8.6 | 7 . 12
7 09 | 0 16 Σ
12 Σ | +8.4

U Can Min 073508 est 9.8x

7 35 +8.6 | 7 : 19
10 33 | 7 16 | 0 17 Σ
0 19 Σ | +8.6

8335.7 S Gem 073723 <11.4x

7 22
10 36 | 7 37 +23.7 | 0 16 Σ
7 20
17 Σ | +23.3

T Gem 074323 est 11.5x

7 41 +23.9 | 7 26
10 40 | 7 22 | 0 17 Σ
33 694 | +23.6
19 Σ
5 75

8335 ~~6~~7

L P. P.

Tues. Feb. 2, 1909

L.C. Obs. A'' J.D. $\overset{8}{\cancel{7}}$340

	R Cancri	081112		✓
	8 11 9 53 1 42W	+11.8	Too near moon	
8340 87	R Leonis	094211	est 7.7	✓
12 55	9 42 9 59 0 17W	+11.9		10 2 0 19W +11.0
	R Corvi	~~0~~121418.	est <10.0	✓
8340 87	12 14 10 4 2 10E	−18.7		
8340 88	SS Virg	122001	est 7.0	✓
13 0	12 20 10 6 2 14E	+1.3		10 7 2 14E +1.2
	Y Virg	122803	est <10.0	✓
13 3	12 28 10 8 2 20E	−3.9		2 20E 10 10 −4.0

Feb. 2, 1909

8340 ~~X~~ 8	R Virg.	123307	est 9.0	✓
13 6	12 37 10 1.1 2 26 Σ	+7.5		10:13 2 20 Σ +7.4
	U Virg	124606	est 9.0	✓
13 8	12 44 10 14 2 30 Σ	+6.1		10:15 2 31 Σ +6.0
	R Hyd.	132422	est 9.2	✓
13 11	13 11 10 16 2 55 Σ	−22.5		10:18 ~~2 5~~ 3 12 Σ −22.6
	S Virg.	132706	est 9.3	✓
13 15	13 26 10 19 3 7 Σ	−5.5		10 22 3:8 Σ −6.4
	R Can Ven	134440	est 9.5	✓
13 20	13 42 10 22 3 20 Σ	+39.0		10 27 3 16 Σ +40.0
8340 ~~X~~ 8				

Feb. 2, 1909.

8340 8	R Coronae 154428 est f. 5			✓
13 26	15 44 10 30 5 14 E	+28.5		5 11 E 10 33 +28.5

Conditions of vision too poor

13 30 to continue to advantage

A 702
2 77 L.P.P.

(Thurs) Feb. 11, 1909

L.C. Obs. J.D. 8349 8" Polar

R Arietis 021024

too far by.

8349 5 Y. Persei 032043 est. 8.9 ✓

~~8~~

7 56

5.38

2:18 W

+43.4

Metcalf Var. 033105 est.

Too Cloudy.

✓

R. Aurigae 050953 est. 8.5

8349 5

5.47

0.41 W

+53.2

S Aurigae 052034 est. 9.1 ✓

8349 5

5.50

0.31W

+33.6

Feb. 11, 1909.

Lo.C. Obs. J.L. 8349 8'Polar

8349 6	W. Aurigae	053531	est. 12.5	✓ 5.54 0.19W +31.7
	R. Lyncis	065355	est. 9.6	✓ 5.57 0.52E +55.3
	S.S. Aurigae	060547	est.	
		abandoned	No chart at hand	
	S. Orionis	052404	est. 9.8	✓ 6.02 0.38 W. −5.00
8349 6	T. Orionis	053005a	est. 9.8	✓ 6.05 0.35 W. −5.08

Feb. 11, 1909.

L.C. Obs. 8" Polar

Dis Jupiter I. Campbell Obs. Catterall Recorder.

Catterall's watch 30 sec. fast at 8.31

8:37 seen.

13
8.42:12 8:42:42 Satellite last seen. 1" high Power eyepiece used. L.C.

Corr G.M.T. of Dis.

8:40:0 Sattellite commenced to decrease in light

8:41:0 " considerably fainter

8:42:0 " extremely faint

Catterall's watch 31 sec. fast at 8.54

8.48. Too much cloud + haze to continue.

7 709 L.P.C.
— 77

Sat. Feb. 13, 1909

L.C. Obs. D 8351 8" Polar

8351 5 Catterall's watch 2 sec. slow at 7.40 P.M. ✓

RW Monoc 062808 est

6 28 +9.0
5 32
0 56 E

Variable is one of a double components running in a generally east & west direction

Eastern component called X
Western " " Y

7.58 f2x, x3g ~~*~~ x is Var var3y 5.44
-2 6 -.087 0.41E

7.59 g1y, y3h not the Var. y a good comp *. +8.8
✓

W. Orionis 054920 est. 11.1 5.47
star g. 10.4 est. 0.02 W

5.47 +20.3
5.45 +19.8
.02 E.

X Ceti 031401 est. 9.5 ✓

5.50
+ 0.29 W

−1.4

SS Aurigae 060547 est.

6.04 +47.5
5.50
.14 E

Feb. 13. 1909.

Diss Jupiter II. Catterall Obs. & Rec.

10.53 +8.6 Low power eye piece used for observation
5.56
4.57 E

Jup. at ~~5.58~~ 6.00 S.D. = 4.49 E
Dec. +8.6

Jupiter's Sattellite dis. ~~8:35:~~ 8:31:46
Catterall's watch 9 sec. slow at 8.40 P.M.

∴ Sat II dis at 8:31:54 Con EMT

8351 RW Monoc 062808

9 4 h 3 var The var is # star x ✓
0 0 6.00 y 5 var

9 40 h 5,2 k ✓
+0 40 +028

6 715 S.P.P.
— 77

Feb. 17, 1909 (Wed)

L C Obs J.D. 8355 8355 8" Polar

	R Arietis	021024		
	2 10 5 25 3 15 W	+246	60" cuts off	
8355 5	RR Per.	022150	est 10.0	✓
7 23				3 6 W 5 28 +506
	R Trianguli	023133	est 9.3	✓
7 25				5 30 2 38 W +337
	T Arietis	024217	est 92	✓
7 26				2 47 W 5 31 +170
	W Persei	024356	est	
	2 42 5 32 2 38 W	+566	Region cut off	
8355 5				

Feb. 17, 1909

8355 5

Y Per 032043 est 95 ✓

7 29

2 14 w

5 34

+43.5

Metcalf Var 033105 m 5, 2 n ✓

5 38

7 33

2 7 w

+5.0

Z Persei 023341 est f 1 var 4 e ✓

5 53

7 48 Comp* ests = a 4 c 3 b 3 d 3 d′ d′ 3 f 6 e 1 h 4 g 3 k 5 l 3 m

3 20 w

+41.7

Algol Var

RY Per 023847 est Var 1 b Algol ✓

Where is "a"

7 53 Comp* est = b 5 b′ 4 c 2 d 4 f f 5 e 4 g 5 h 6 k 3 l 5 m 3 n

6 00

3 22 w

+47.8

ST Persei 025338 est ~~[illegible]~~ c′ 0, 3 d Algol ✓

8 ~~12~~ 5

2 50 +39.0

6 6

3 16 W

6 10

Comp* ests b 3 c 2 a 4 c′ 3 d d 0 e

3 17 w

+38.9

8355 5

Clouds at 8 7

Feb. 17, 1909

8355 6 RT Per 031646 est ge 9/a3 h Algol ✓
Comp * est = a 5 b 5 c 4~~d~~ 1 f 5 d 3:02
8 14 d 3 g 4 g' 4 h' 3 h" 6 k 6:19
+46 2

RW Camel. 034658 est Var = ~~Algol~~ Short
3 44 +58.5
6 24
2 40 w
Too faint by

RW Tauri 035727 est Var C4 19 Algol ✓
6 25
8 20 Comp * ests b 5 a 4 c 5 d 6 e 2 f 2 27 w
f 5 g 7 m 6 h 3 k 4 l
+27.6

W Tauri 042215 est 12.2 ✓
6 33
8 28 4 21 +15.8 +15.6
6 31 2 10 w
2 10 w

T Tauri 041619 est 10.0 ✓
6 35
8 30 2 18 w

8355 6 +19.3

Feb 17, 1909

8355 6 R Leporis 045514 Alert ✓

8 31 6:36
1 41 w

−14.9

W Monoc 064707 est 11.0 ✓

8 34 6 39
0 9 E

−7.2

X Monoc 065208 est >0 ✓

8 35 6 40
0 13 E

−9.1

R Can Min 070310 est >6 ✓

8 37 0 22 E
6. 42

+10.0

RW Per. 041342 est c 4, 1 d algol ✓

Comp*ests = c 5 d 3 e 4 f 7 h
8 39 h 3 k 6 l Z 31 w
6 44

a & b not needed in sequence +41.7

8355 6

Feb. 17, 1909

8355 6

RY Tauri 041528 est c 5 Va Short ✓

8 48

4 14 +27.0
6 49
2 35 w

Region too near [illegible] of view for est. comp ★2.

6 53
2 37 w

+ ~~4~~ 28.0

SV Per 044242 est a′ 2, 3 a Short ✓

Comp ★ ests = a′ 5 a 5 b 4 c 3 d 5 e | e 5 e′ 6 e² 4 f 3 g

8 54

4 40 +42.0
6 54
2 14 w

2 17 w
6 59

+41.8

RX Aurigae 045439 f 2, 2 e Short ✓

9 3

4 53 +39.4 Comp ★ est a 5 b 6 c 5 d d 4 f 3 e 5 g 4 h
7 3
2 10 w

7 8
2 13 w

+39.4

— Aurigae 050239 est e 3½ 3 f Algol ✓

Comp ★ est a 2 b 4 c 6 d 5 e 6 f′ f′ 4 f 5 h 4 g

9 8

7 13
2 9 w

+39.4

SX Aurigae 050442 est e 5, 0 f Short ✓

9 13

Replaced light.

7 18
2 14 w

+41.7

8355 6

Feb 17, 1909

8355 6	Z Puppis	072820 b	est <11.8	✓
9 40		Can not see 7 Z		0 :16 W 7 45
	X Puppis	072820 a	est 8.8	−20.6
	W Gem	074922	est <12.6	✓
9 43				7 48 0 1 E +22.0
	R Cancri	081112	11.5 est	✓
9 46	8 11 +11.8			7 51 0 :21 E +11.8
	V Cancri	081617	est 12.5	✓
9 48				7 53 0 23 E +17.3
	RT Hyd	082405	est 8.1	✓
9 50				7 55 0 31 E
8355 6				−5.8

Feb 17, 1909

8355 6	U Cancri 083019 est 9.8	✓
9 52	~~8 30~~	7 57 0 33 Σ + 18.9
	X Urs Maj 083350 est 12.6 (LV)	✓
9 54	8 33 +504	7 59 0 33 Σ +50.2
	S Hyd. 084803 est 10.8	✓
9 58		8 3 +3.2 0 46 Σ
	T Hyd. 085008 est 9.8	✓
9 59		8 4 0 47 Σ −8.9
	T Cancri 085120 est 8.9	✓
10 0		8 6
8355 6		+20.0

Feb 17, 1909

8355 6	W Cancri	090425	est 10.4	✓
10 2 ~~9 2~~	9 6	+26.0		8 7 0 57 E +25.4
	X Hydrae	093014	est 12.5	✓
10 5				8 10 ~~[illegible]~~ 1 22 E −14.4
	R Leo Min	093934	est 8.9	✓
10 7				8 12 1 28 E +39.4
	R Leonis	094211	est 8.4	✓
10 8				8 13 1 30 E +11.7
	V Leonis	095421	est 9.0	✓
10 11				1 38 E 8 16 +21.5
8355 6				

Feb. 17, 1909

8355 6	W Leonis	104814	< 12.6	✓
10 15	10 46 8 18 2 28 Σ	+ 14.2		8 20 2 29 Σ + 14.0
	S Leonis	110506	est 10.0	✓
10 17	11 3 8 20 2 43 Σ	+ 5.5		8 22 2 43 Σ + 6.0
	R Comae	115919	est < 12.5	✓
10 20	11 59 8 23 3 36 Σ	+ 19.3		8 25 3 36 Σ + 19.3
	RR Hydrae	094023	est 10.1	✓
10 23				8 28 1 15 Σ − 23.5
	Y Hydrae	094622	est 7.0	✓
10 24				8 29 1 18 Σ − 22.6

8355 6

Feb 17, 1909

8355 6	V Hydrae	104620	est	
			Too low yet	
	SS Virg	122001	est 6.8	✓
				8 35
10 30				3 44 Σ
				+1.3
	RV Virg	123307	9.8 est	✓
				8 37
10 32				3 57 Σ
				+7.6
8355.7	Y Virg	122803	est 12.4	✓
				8 41
	12 28	−3.8		3 48 Σ
10 36	8 40			
	3 48			−3.9
	RU Virg	124204	est if seen 12.6	✓
				8 43
10 38				4 0 Σ
~~8355 8~~				+4.6

Feb. 17, 1909

8355 7	UVirg	124606	est 10.5	✓
				8 45
	12 44	+6.0		4 1 Σ
10 40	8 43			
	4 1 Σ			+6.2
	RTVirg	125705	est 8.6	✓
10 42				8 47 4 10 Σ
				+5.8
8355 7	RCanVen	13xxx0.	est 106	✓
10 45				8 50 4 53 Σ
				+40.2
			46 761 L.O. P. 4 81 77 77	

Thursday Feb. 18, 1909. 8" Polar.

Dis. Jupiter I. Catterall Obs. & Rec.

Catterall's watch 26 sec. fast. at 10: 20 ~~40~~ P.M.

Jupiter I dis. 10:35:58 watch time

Catterall's watch 26 sec fast at. 10:42 P.M.

(Large low power eye piece used) ∴ Sat. I dis. at 10:35:32 E.M.T.

Sat Feb 20 1909

LC Obr. JD. 8358 8" Polar

8358 6

RW Tauri 035727

60" ~~intefocus~~

RX Aurigae 045439 est var = f2,2e Short

2 49 w

9:25 4 5x +39.5 +39.6

7 35 a6b3c4d4f3e5g5h

2 41 w

7.42

050239 – Aurigae est Var c2,2d Algol

2 41 w

9 27 est comp *s = a4b5c6d3e3f' +39.1

f' 3 f5h4g

7 44

SX Aurig. 050442 est Var e1,4f Short

a too bright

2 46 w

9 33 est comp *s. b6d4c3e5f +41.8

f4g5L6k4l3m

7.50

est SY Aurig = e4,1f 050542

050849 – Aurigae a4,2b Short

2 50 w

9 43 est comp *s = ~~a6f3e~~

a3a'3b3c3d6e

800

+48.8

Feb 20, 1909

8358 6 Y Aurigae 052142 est 9.5 ~~Short~~ ✓

z 49 W

$ 5 —

9 48

+ 42.1

SV Aurig. 055646 b Var f9.2e Short ✓

5 56 +40.0 $ 1.0

9 53 8 6 estcomp ƒ. a5 b2 d z 16 W

z 16 W d4c4f3e+g

+46 3

Clds Too cldy now to

10 00 continue

8

6) 767

$1 LP.D

35. 112

Dissap Jupiter II. Catterall Obs. & Rec.

Catterall's watch 28 sec. fast at 10:41 P M.

Jupiter II dis. at 11:07:18 watch time.

large low power eye-piece used

Catterall's watch 28 sec. fast at 11:13 P M.

∴ Sat. II dis. at 11:06:50 P.M. EMT.

Mon. Feb. 22, 1909

L.C. Obs 8" Polar J.D. 8360

~~8358 7~~ 8360 ~~8~~ 7 12 56	U Cancri	083019	est. 9.8	✓ 11 22 2 51w +18.9
12 59	S Hydrae	084803	est 11.4	✓ 11 25 2 36a +34
8360 8 13 3	W Cancri	090425	est 11.0	✓ 11 29 2 .24w +25.4
13 5	R Leo Min	093934	est 9.0	✓ 11 31 1 51w +348
13 8	V Leonis	095421	est 9.0	✓ 11 .34 1 38w +21.5

Feb 22, 1909

8360 8	S Leonis	110506	est 9.8	✓
13 11				11 37 0 31 W + 5.8
	V Hydrae	104620	est 8.4	✓
13 12	10 46 11 37 0 51	-20.7		0 51 W 11 38 -20.0
	ST Virg	142208	est d6.2f	✓
13 23	14 22 11 42 2 40 E	-1.5		11 48 2 35 E - 0.4
	Y Leonis	093126	est a0,3b	✓
13 27				11:52 2 21 W +26.4
	RW Virg	120206	est 7.2	✓
13 30				11.55 0 8 E - 6.4

Feb. 22, 1909

8360 8	R Corv	121418	est 12.5	✓
13 33	~~12 14~~			0 18 E 11 58 −18.8
	R Virg.	123307	est 9.8	✓
13 36				12 1 0 32 E +7.5
	U Virg	124606	est 10.8	✓
13 38				12 3 0 44 E +5.8
	R Hyd.	132422	est 8.5 (sure)	✓
13 44				12 9 1 16 E −22.6
	142200	ST Virg.	est 8 0,3 9	✓
13 47				12 12 1 12 E −0.6

Feb 22, 1909.

8360 8	SVirg	132706	est 10.2	✓
				1 12 E
13 52				12 17
				−6.7
	R Can Ven	134440	est 10.6	✓
				12 18
13 53				1 25 E
				+39.8
	Z Virg	160512	est 10.4	✓
				12 21
13 56				1 45 E
				−12.9
	Z Bootis	140113	est 9.5	✓
				12 28
14 3	14 1	+141		1 34 E
	12 25			
	1 36 E			+13.7
	S Bootis	141954	est 9.5	✓
				12 31
14 6				1 46 E
				+5 3.9

Feb. 22, 1909

8360 8	RR Virg	135908	est 12.1	✓
14 9	13 59 12 31 1 28E			12 34 1 27E −8.9
	RS Virg	142205	est 11.5	✓
14 13	14 22 12 35 1 47E			12 38 1:45E +5.1
	V Bootis	142539	est 9.6	✓
14 15	14 25 12 39 1 46			12 40 1 45E +39.1
	R Bootis	143227	est 8.0	✓
14 16				12 41 1 50E +29.1
	V Librae	143417	est 9.0	✓
14 19	14 34 12 42 1 52E	−17.0		12 44 1 52E −17.2

Feb. 22, 1909

8360 8 U Bootis 144918 est 11.5 ✓

12 47
2 22 ε

14 50
14 22 12 46

2 4 ε

+18.0

RT Librae 150018 est 9.5 ✓

2 11 ε
14 25 12 50

−18.4

T Librae 150519 est <12.0 ✓

12 58
14 33 15 7 −19.4 2 8 ε
12 56
2 13 ε

−19.5

S Serp 151714 est 11.8 ✓

13 2
14 37 2 15 ε

+14.6

S Coronae 151731 est 6.4 ✓

2 13 ε
14 39 13 4

+31.5

Feb. 22, 1909

8360 8	R Coronae	15 44 28	est 9.4	✓
14 43				13 8 2 34 Σ +28 4
	X Coronae	15 45 36	est 11.0	✓
14 45				13 10 2 33 Σ +36.3
	R Serp.	15 46 15	est <12.2	✓
14 47	15 47 13 11 2 36 Σ	+15.4		13 12 2 34 Σ +15.4
	V Coron.	15 46 39	est 9.4	✓
14 49				13 14 2 30 Σ +39.7
	Z Coron	15 52 29	est <12.5	✓
14 52				13 17 2 35 Σ +29.4

Feb. 22, 1909

8360 8	R Herc	160118	est 9.0	✓
14 54	-			13 19 2 43 Σ +18.6
	U Serp	160210	est 10.2	✓
14 56				2 43 Σ 13 21 +10 4
	RU Herc	160625	est < 12.2	✓
14 58				13 23 2 42 Σ +25.1
	W Coron	161138	est < 12.2	✓
15 0	16 8 +38 5 13 24 2 44 Σ			13 26 2 44 Σ +38.0
	U Herc	162119	est 12.2	✓
15 5				13 31 2 50 Σ +19.1

Feb 22, 1909

8360 8	SV Herc	162807	est 10.8	✓
15 8				2 53 E 13 34 +7.1
	W Herc	163137	est <12.0	✓
15 11				2 54 E 13 37 +37.6
	S Herc	164715	est 12.0	✓
15 13				~~2~~3 8 E 13 39 +15.1
	RV Herc	165631	est <12.0	✓
15 16				13 42 3 13 E +31.4
	RT Herc	170627	est 10.8	✓
15 19				13 45 3 22 E +27.3

Feb 22, 1909

8360 8	Z Oph	171401	est 10.8	✓
15 23				3 27 2 13 49 +1.6
8360.9	RS Her	171723	est 8.8	✓
15 36				13 56 3 22.2 +23.?
	RU Oph	172809	est 10.0	✓
15 31				13 57 3 31 2 +9.6
	RT Oph	175111	~~est~~ 10.5	✓
15 33				13 59 3 53 2 +11.4
	RY Her	175579	est 11.5 [illegible]	✓
15 36				14 2 3 58 2 +19.6

Feb. 22, 1909

8360 ~~8~~9 Y Librae 150605 est 10.6 ✓

14 5
15 39 1 2 E
−5 6

S Librae 151520 est 8.6 ✓

1 9 E
15 42 14 8
−20.1

RS Lib. 151822 est 8.8 ✓

15 43 14 9
1. 10 E
−22 7

RU Libr. 152714 est <11.2 ✓

14. 13
15 47 1 16 E
Stars dim dew on objective
−14.8

X Lib 153020 est can't find region

RR Herc 160150 est 9.2 ✓ 14 18
15 52 1 40 E
+50.6

Feb 22, 1909

8360 ~~8~~9 R Scorpii 161122a

Too much dew & frost on

16 00 objectives to continue further

47 81 ~~4~~5
8 89½ P. P.
— 112

Friday Feb. 26, 1909

L.C. Obs. JD 8364 8" Polar

RT Persei 031646 est h', 3, 2 h ✓

8364 5

6 1
2 45 W
+46.0

3 17 +45.8
~~5~~ 3 59
2 42 W

~~8~~ 7 20
8 5
− 0 45
−031

~~R~~ ST Per. 025338 c 3, 2 d Algol ✓

6 6
3 14 W
+39.0

7 25 b4a2c3c'4d5e4f6g

U Arietis 030514 est 9.5 ✓

6 13
3 8 W
+14.2

7 32

X Ceti 031401 Est 8.8 ✓

3 1 W
6 15
±
−1.5

7 34

— Tauri 033105 n 6,0 n ✓

2 48 W
6 20
±15.0

7 39

8364 5

Feb. 26, 1909

8364 5 Y Persei 032043 est 10.0 ✓

7 40 6 21

+43.9

3 0 W

R V Persei 032335 est 12.7 ✓

6 23

7 42 3 0 W

+35.1

Nova Per No 2 032443 est W 3 2 X ✓

6 25

7 44 3 1 W

+43.5

RU Mon 064907 est c' 3, 3 d' ✓

6 38

7 57 b 4 c 3 c' 4 d' 3 d 4 e 3 f 5 g 5 k 0 12 E
k 3 h

−7.7

RW Per 041342 est C 1, 5 d ✓

6 46

8 5 c 6 d 2 e 7 f 4 g 4 k 2 h 5 l

2 32 W

+41.6

8364 5 see page 218 for continuation

April 1 - 1908

P.M. Record of Director - at 12 - inch Photometer
S. I. B. Rac.

h	m	s		h	m	s	
7	~~8~~ 59	11		8	3	22	
		20	09			34	12
		24	05			38	04
		29	05			43	05
			15				14
		44				57	
		48	04		4	2	05
		55	07			9	07
8	0	3	08			14	05
			17				13
		20				27	
		26	06			32	05
		32	06			38	06
		38	06			43	05
			16				27
	1	4			5	10	
		9	05			17	07 faint
		16	07 M. Star			22	05
		25	09			30	08
			26	Looks at sky △			
		51					
		57	06				
	2	2	05				
		10	08				
Looks at sky ∠				46			
		56					
	3	1	05				
		6	05				
		11	05				

1	2	3	4		
9	5	5		15	
4	7	8		17	
6	6	6		16	
5	7	9		26	~~26~~
6	5	8			46
5	5	5		14	
12	4	5		13	
5	7	5		27	
5	6	5		7)128 18	
7	5	8			
6.4	5.7	6.4			

Mean 6.1

6.

40 sec. per star.

3600/
57

Feb 26, 1909

T Tauri 041619 est ——
abandon
Half moon right in this region.

at HA 2 31 W S.T. 6:50 Decl +19.5
8364 044242 SV Persei est a' 3, 2 a Short ✓
2 11 W
Comp* est a' 5 a f 3 c 2 d 5 e 6 5 3
P 12 e 4 e' 3 e² 5 f 4 g
+41.8

U Lepor 045221 est 11.0 ✓
6 5 7
P 16 2 5 W
−21.4

RX Aurig 045439 est b 3, 3 c Short ✓
6 5 9
P 18 Comp* est = f e 2 5 W
a 6 b 4 c 4 d 3 e 3 f 4 g 5 h
+39.4

050239 — Aurigae c 2, 3 d algol ✓
7 4
P 23 Comp* est a 2 b 2 c 6 d 3 e 2 1 W
e 4 f' 3 f 5 h 3 g
8364 6 +39.2

Feb 26, 1909

8364 6

R Leporis 045314 est 10.0 ✓

8 27

7 8
2 13 w

–15.0

RU Mon 06×907 ~~d', 3d~~ c' 5, 2d'

algol ✓

8 29

7 10
0 20 w

–7 7

R Aurigae 050953 est 8.6 ✓

8 32

7 13
2 4 w

+5 –3.1

S Aurig 052034 est 8.9 ✓

8 33

7 14
1 54 w

+33.6

Y Aurig 052142 est 10.0 ✓

8 35

1 55 w
7 16

8364 6

+41.9

Feb 26, 1909

8364 6

S Orion 052404 est 10.8 ✓

8 36

7 17

1 52 w

-4.9

T Orion 053005a est 10.3 ✓

1 47 w

7 18

8 37

-5.6

RR Tauri 053326 est 11.2 ✓

1 47 w

7 20

8 39

+26.8

U Aurig 053531 est 12.1 ✓

7 23

1 48 w

8 42

+31.7

U Orion 054920 est 10.8 ✓

1 35 w

Star q = 10.9

7 25

8 44

+19.8

8364 6

8364 6

Feb 26, 1909

Z Aurigae 055353 est 9.6 ✓

8 46 | 7 27 1 35 w + 52.8

SW Aurig. 060547 est <12.4 ✓

8 49 | 7 30 1 25 w + 47.6

V Aurigae 061647 est 9.8 ✓

8 53 | 7 34 1:19 w + 47.7

T Mon 061907 est 6.3 ✓

8 57 | 7 38 1:17 w + 7.1

RU Mon 064907 est c 1 5, 2 d 1 4 d ✓

8 58 | 7 39 0.49 w − 7.7

RW Mon 06 2808 est ~~a4,6b~~ a 2, 4 b ~~a 2, 4 b~~ ✓

9 2 | 7 43 1 14 w + 8.6

~~comp * est a 5 ... b 4 d 2 c~~

comp *s est for RW Mon

a 4 b 4 d 2 e 2 c 6 f 5 g 5 h 4 k

RW Gem 062915 est 6.2 ✓

9 9 | 7 50 1 21 w + 15.1

RX Gem 064333 est a 4, 2 b algol

1 11 w + 33.6 ✓

9 12 | 7 53

Comp * ests a 6 b 4 c 4 d

8364 6

Feb 26, 1909

8364 6

9 16 W Monoc 064707 est 11.1 ✓
7 5 7 1 9w −7.0

Y Monoc 065111 est 11.8 ✓
9 20 ~~X~~ 8 1 1 10w +11.2

RS Gem 065530 est 10.7
9 21 8 2 1 7 w +30.2 ✓

R Can Min 070310 est 8.0 ✓
9 22 8 3 1 0w +10.2

9 25 S Gem, 073723 est 9.6
8 6 0 30w +23.4 ✓

U Gem 074922 est <12.6 ✓
9 28 8 9 0 20w +22.1

RT Hydrae 082405 est 8.0 ✓
9 31 8 12 0 12 E −6.1

RU Mon 064907 est c'5, 2d' ✓
9 33 8 14 1 25w −7.7

T Hydrae 085008 est 10.0 ✓
9 36 8 17 0 3k E −8.9

Hazy here

8364 6

Feb 26, 1909

Jupiter when 5 30 E & +9.4

Will not be able to reach Jupiter tomorrow at 6.58 Eclipse.

3364 0

9 45 Too cloudy to continue

39 854

2 91

[illegible] 170

L.P.P.