KG
11365
764

VARIABLE STAR

OBSERVATIONS

AREQUIPA

1911-5-19 to 1912-7-17

L. C.

KG11365.764

Wednesday
~~Thursday~~ April ~~13~~ 12 1911

			Dist	Obs
	L^2 Puppis	071044		
9 10	a4, b1, 4c		n.c	B
	S Puppis	074347		
9 20	c3, 1d, 2e		5"	"
	l Carinae	094262		
9 25	b4, c1, 3d		n.c	"
	R Carinae	092962	8"	
9 30	f3, 4g		5"	"
	RR Carinae	095458	"	
9 40	c3, d0, 4e		"	"
	R Antliae	100537		
9 55	d1, e2, 3f	(? e>d)	"	"
	S Carinae	100661		
10 00	d3, 1e, 4f		"	"
	Z Carinae	101058		
10 05	not visible in	5" < x	"	"
	U Centauri	122854		
10 15	not visible in	5" < f	"	"
	T Centauri	133633		
10 25	c3 1d 3x		"	"

April 12 1911

			Inst	Obs
10 30	R Centauri g 3, h 1 3 k	140959	5"	B
10 40	S Lupi b4 c1 3d	144646a	"	"
10 45	R Triang Austr a 6, 3 b	151066	" (interval a-var too great to estimate properly)	
10 50	R Lupi not visible in 5"	< e	"	"

1911phae.proj

April 17 1911

	R U Sagittarii	195142		
15 35	c 3,3d		5'' B	

Wednesday
~~Thursday~~ April ~~13~~ 12 1911

			Inst	Obs
	L² Puppis	071044		
9 10	a4, b1, 4c		n.c	B
	S Puppis	074347		
9 20	c3, 1d, 2e		5"	"
	l Carinae	094262		
9 25	b4, C1, 3d		n.c	"
	R Carinae	092962	8"	
9 30	f3, 4g		5"	"
	RR Carinae	095458	"	
9 40	c3, d0, 4e		"	"
	R Antliae	100537		
9 55	d1, e2, 3f	(? e > d)	"	"
	S Carinae	100661		
10 00	d3, 1e, 4f		"	"
	Z Carinae	101058		
10 05	not visible in	5" < x	"	"
	U Centauri	122854		
10 15	not visible in	5" < f	"	"
	T Centauri	133633		
10 25	c3 1d 3x		"	"

Observations of Variable Stars at Arequipa Peru

Harvard College Observatory

Beginning

— May 1911 —

Friday May 19.1911

L. Campbell Observer   5" Equat

S Pyxidis 090024 est
11 05
2 5 w

X Hydrae 093014 est
11 20
1 50 w

α Hydrae 9 22 -8.5
11 28
2 6 w

S.T. 11 31
H.a. 1 8 E
Dec -71.5

S.T. = 11:34
Ha = 1 4 E
Obs Dec = -71.6

Obs ~~compt~~ RA = 12:38

May 19, 1911

Found circles badly out of adjustment

8.45 Set on α Centauri and found error & with Vogel's help corrected the circles.

Sat. May 20, 1911

L.C. Obs. 5'' Equat

T Vrg 12 09 05
14 19
2 10 W

Circles out again

α Centauri
Comp. Pos. 14 33 −60.4
changed ~~Dec~~ & H.A. circles.

Spica 13 20 −10°.7
14 41
Compt 1 21 W −10.7
Obs. 0 32 W −8.7 at 14:42
58 too far E & 2.0 N

α Centauri 14 33 −60.4
14 43
~~Ob~~ Compt 0 10 W −60.4
Obs. 0 8 W −60.3 at 14 44
1 too far west & 0°.1 N

α Librae 14 45 −15.7
14 48
Compt 0 3 W −15.7
Obs 0 38 E −15.9 at 54
41 too far E & −0°.2

May 20.1911

Antares 16 23 -26°2
14 56
1 27 E -262
2 14 E -282 at 14:57
4~~4~~6° too far East ~~8~~ -20

Finder of 13" Boyden.
Lens rather dirty but will attempt some observations.

T Virginis 120905 est
15 13
3 4 W -5.0

R Corvi 121418
15 28
3 14 W

R Hydrae 132422 est
15 36
2 12 W -22.8
13 24
15 51
2 27 W

May 20, 1911

13" finder cont

13 13 -22.6
15 54
2 41 W

2 45 W
~~3~~15 55 -22.1
13 10

+ 3^m^ + 0.5°

R Hydrae 132422 est 8.4

13 24 -22.6
15 58
12 . 6 2 34 W
2 37 W -22.1

2 40 W
16 ~~4~~ 1
-22.1

R Corvi 121418 est 12.5

16 05
12 20 3 51
3 54 -18.2

4 3 W
16 15
-18.2

V Librae 143417 est 12.8 var uniformly

16 18
12 26 1 44
1 47 W -16.7

1 49 W
16 21
-16.7

May 20, 1911.
13 inch finder

✓	RT Librae	150018	est 12.4	
		16 22		1 28 W
12 31		1 22		16 26
		1 25 W	−17.8	−17.8
✓	T Librae	150519	est 12.7	
12 41		16 27		1 34 W
				16 36
		1 22 W	−19.1	−19.1
	S Librae	151520	est 9.7	
		16 40		16 49
12 54		1 25 W	−19.5	1 35 W
	Vogel est = 9.8			−19.6
	RS Librae	151822	est 11.0	
		16 52		17 5
13 10		1 34 W		1 46 W
		1 37 W	−22.1	
	Vogel est = 11.0			−22.0
	RU Librae	152714	est 13.3	Very ft.
13 19		17 04		17 14
		1 37		1 48 W
		1 40 W	−14.5	
	Vogel est < 12.0			−14.4

May 20, 1911
13 inch finder

X Librae 153020 est 11.8
1718
13 37
148
151W -20.3
17 32
~~[illegible]~~
2 04W
-20.3
Vogel est 11 7

U Librae ~~est~~ 153620a est 10.4
17 42
2 7W
13 47
17 33
157
2 0W -20.4
153620b
New Var due North = 12.8
-20.3

	L.C.	V
No. ests.	10	4
To date	10	4

Obs. Ledg.
& copied for Camb.

Monday May 22, 1911

L.C. Obs. 13" finder J.D. 9179

11 00 E time = 14 : 54 S.T.

Y Librae 150605 est <13.5

0 15 W

11 26 15 04 15 20

2 E

+1 W -5.1 -4.9

S Serp 151714 est 11.7

0 21 W

11 40 15 34

Est Vogel = 11.6

+15.6

S Coronae 151731 est 9.2

0 43 W

15 58

12 04 Vogel 9.2 ±

+ 32.0

R Coronae 154428 est 6.1

12 15 16 00 16 09

0 16 W +29.0 0 27 W

+29.0

May 22, 1911

	R Serp	154615	est 7.2	
12 20	Vogel 7.1			16 14
	estd only with (7.4)			0 31 W
				+15.9
	Z Coron	153229	est 11.0	
12 28		16 18		16 22
		0 26	+30.2	~~0 29 W~~ 0 33 W
	Vogel	11.0		+30.2
	R Herc.	160118	est <13.2	
12 33				0 30 W 16 27
				+19.1
	U Serp	160210	est 12.6	
12 38		16 28		0 32 W 16 32
		0 26 0 29 W	+10.7	
	<12.0	= Vogel		+10.8
	RU Her	160625	est 8.5	
		16 34		
12 53	Vogel 8.4	0 28 W	+26.4	0 48 W 16 47
		0 31 W		
	~~Vogel < 12.0~~			+26.6

May 22, 1911

U Herc 162119 est 11.5

16 49 — 0 36 w

13 00 — 0 28 w +19.8 — 16 54

0 31 w — +20.1

Vogel 11.3

SS Herc 162807 est 10.7

16 58

0 30 w +7.4 — +7 18

13 10

Vogel 10.7 — 0:38 W

17:04

RT Herc 170627 est 9.6

17 11

0 5 w +27.7 — 17 15

13 21 — 0 11 W

+27.8

L Librae 154020 est < 13.0

1720 — 1 50 w

1 40 W -20.3 — 17 29

13 35 — 1 43 W

-20.4

R Librae 154715 est 11.1

13 43 — 1732 — 1 53 W

1 45 w -16.5 — 17 37

Vogel est 11.2 — -15.6

May 22, 1911

RR Librae 155 old est 13.0 ftr diff

2 6 w

14 00 17^{40} 17^{53}

1 50 w -18.5

Vogel est < 11.9 or < p' -17.8

15 9^{10}

9

26 ~~13~~14

Ledg.

Copied for Camb

May 23, 1911 Tuesday

L.C.Obs. J.D. 9180 13" finder

4 10 56	RZ Scorp. 15 58 14 48 1 10 E	155823 1416 1 42 E	est 9.0 -23.7	1 6 E 14 52 -24.2
11 00	Z Scorpii	160021 1453 1 7 E	est 9.4	14 58 1 2 E
	Vogel 9.2			-22.2
11 06	X Scorpii	160221 1500 1 22	est 12.7	0 58 E 15 04
				-21.7
11 08	W Scorpii	160519	est p 3 m	0 59 E 15 06
	Vogel Var N.N. < m			-20.6
11 12	RX Scorpii	160524	est 10.3	0 55 E 15 10
	Vogel est 10.4			-25.1

May 23, 1911.

	R Scorpii	161122a	est 13.2	
11 27.	Vogel est 13.0			0 56 E 15 15
	S Scorpii	161122b	est <13.5	
	Vogel <13.0			-232
	Y Scorpii	162319 15 18 1 5	~~est~~ 11.5	
11 37				0 58 E 15 25
	look up final notation Vogel est 11.6 ~~11.7~~			-198
	RR Oph	164319 15 28 1 15	est 10.1	
11 52				1 2 E 15 40
	Vogel est 10.0			-199
	R Oph	170215 1542 1 20 E	est 7.8	
11 56				1 17 E 15 44 -167
	Nov. Sag II	175327 15 45 2 8 E		

abandoned

May 23

161607 W Ophiuchi est 9.7

16 08

1553

12 20 0 23 ε −18.2

−8.1

V Oph 162112 est 8.2

16 09

12 27 0 12 ε

0 8 ε

16 15

−12.8

T Oph 162815 est 10.8

16 16

12 30 0 12 ε

0 9 ε

16 18

Vogel est

−16.2

S Oph 162816

16 19

09 ε −17.5

too high

S Her 164715 est 8.4

16 33

12 45 1624

0 14 ε

23 ε +15.7

+14.8

May 23, 1911

	RY Herc	175579	est 12.4	
4 12.51		1635 1 20	E +191	1 16E 16 39
				+190
	RT Oph	175111	est 9.1	
12 44		1641 1 10 E		1 9E 16 42
				+104
	RS Oph	174406	est 11.6	
12 48		1644 1 0 E		16 46 0 58E
				−7.2
	RS ~~Oph~~ Herc	171723	est 12.2	
12 52		1647 0 30 E		16 50 0 27E
				+22.7
	RU Oph	172809	est 9.1	
12 57		16 34 0 34 E		16 55 0 32E
				+9.1

May 23, 1911

py Oph	181103 1657 1 14 E	est 95	1 7 E 17 05 — +32
SV Herc	182224 1706 1 16 E	est 12.2	17 09 1 13 E +244
	21 47	7 20'	

H Led. Cop.

Thurs. May 25/1911

L.C. Obs. S.D. 9182 13" finder.

Mean Time = 10:20 at 14:25 S.T.

U Cent. 122854 est e 3,4 l (9.8)
-53.4
1433
10 55 2 5 w -54.6
2 34 w
14:58

RV Cent. 133155 est a'0,6 b
15 05
1501
1 30 w -55.2
1 38 w
13 27
var quite bright & red.
-55.3

T Centauri 133633 est c 1,3 b (6.5)
15 10
1 38 w
-32.4

R T Centauri 132236 est f 2,4 h
1527
1 50 w
1 45 w
15 29
-35.6

May 25, 1911

RX Cent 134536 est q 3, 4 X

~~8~~1 52 W
15 33

−35.7

−35.7

RU Hyd 140528 m 3, 4 p

15 35
1 40 W
1 30 W −27.7
15 41

set watch 4ᵐ ahead

−27.7

R Cent. 14095~~7~~9 est d 3 3 e
ii

15 49
2 9 W
1 40 W −58.7
16 17

fuse blew causing delay

−59.1

S Lupi 144646 a est S σ − = (92) 3, 0 (95)

16 19
1 43 W
1 ~~7~~ 33 W −45.6
16 30

could not separate S σ − Lupi

−45.5

Y Lupi 145254 est σ 3, 2 q

16 35
1 48 W
1 43 W −54.0
1645

q = old q now marked out
Vogel est σ 1 N

−53.9

May 25, 1911

	R Normae	152849	est	
		16 48		17 03
				1 33w
		1 20w	-48.6	
	est star marked ← =		n 1,50	
	est star marked ⊙ =		n 5,00	-48.4
	T Normae	153654	est a 2,4 b	
		1706		1 33w
13 05		1 30 w		17 10
	Vogel a 3,, 3 b			
				-539
	R Lupi	154736	est (9.1) 6,2 (9.8)	
		17 12		1 33w
		1 25 w	-35.5	17 20
	~~Vogel~~			
				-35.3
	RS Scorp.	164844	est b 2,4 d	
		1723		17 42
		0 35 w	-44.0	0 54 w
				-443
	RR Scorp	165030	est α 2,8 a²	
				0 57 w
				17 48
				-298

May 25, 1911.

RT Scorp	165636 1750 0 54	est [illegible] 23 k	0 57 w 17 55 −35.9
RW Scorp	170833 1756 0 48 w	est h5,2 k −32.6	17 58 0 50 w −329
RU Scorp	173543 1757 0 24 w too high	est −43.0	
	17 64	2 23 Led cof.	

May 26, 1911 (Friday)

L.C. Obs JD 9183 13" finder.

SU Virg 120012 est 13.0 very diff.
1440
10 49 2 40 w +13.6 2 58 w
14 54
Vogel est <12.3
+134

SS Virg 122001 est 8.0
14 58 2 49 w
10 58 2 38 w +20 15 06
+1.8

~~RW~~
T Virgin 120905 est 11.3 3 14 w
15 20
11 12
Vogel est 11.3
−5.1

Y Virg 122803 est 10.8
3 :25 w
11 42 15 50
Vogel est 10.8 −4.2

R Virgin 123307 est 9.9
1554 3 26 w
3 21 ~~+7.0~~ +8.0 15 58
11 49
Vogel est 10.0 +8.1

May 26. 1911

U Virgini 124606 est 10·8
1600
3 14 W +6.8
3 · 41 W
16 · 25
12 15 +6·7

RU Virginis 124204 Est. 11·8
3 · 48 W.
12 18 16 · 27
+5·4

RT Virginis 125705 Est. 8·5
1629
3 3 2 W +6·0 ~~Est~~
~~6~~3 · 36 W.
16 32
12 22 +6·2

RV Virginis 130212 Est. < 13·0
1633
3 31 W −12·0
3 35 W
16 37
12 27. ~~< 13·0~~ −12·0

V Virginis 132202 Est. 10·6
16 38
3 16 W −2·0.
3 21 W.
12 31 16 41
−2·3

May 26th 1911.

S. Virginis

13 27 06 Est. 12·5

16 42 ~~00~~

3 15 W −6·0

12 35 — 3 19 W.

16 45

−6·4

RR Virginis ~~15~~ 13 59 08 ~~8~~. Est. < 13·5

~~13~~ 16 46 00

2 47 W

2 50 W.

16 51

12 41 — −8·3

Z. Virginis ~~16 52~~ 14 05 12 Est. < 13·0

16 52

2 47 W −12·00

2 57

17 00

12 57. — −12·2

Z Bootis 14 01 13

17 02

3 01 +14·5

Abandoned

13 H

77 27

Thurs. June 8, 1911

L.C. Obs. J.D. 9196. 13" finder

E.M.T. = 9 00 at 14:17 Sid T.

moon bright.

R Cham. 082476 l2, 2k
14 29
6 5 W -76.0

14:49
~~l2, 2k~~
6 30 W.
-75.4

9 32

RU Carinae 09 13 65
14 52
5 ~~38~~ 44 W. -65.5 e1, 4e'

14 56
5 47 W.
-65.3

9 39

RW Carinae
09 18 68
14 58
5 425 W -68.0 est d4, 2e

15 01
5 48 W.
-67.8

9 45 4

R Carinae 09 29 62 est f5, 5g
15 03
5 ~~34~~ 49 W -62.0

15 06
& 5 42 W
-62.1

9 50

mags 5.4

June 8, 1911.

Y Velorum 092257 ~~m 5 W~~

14 09

~~4 4 W~~ -51.5

15 16
5 54 W
-51.4

9 59

Z Velorum 09 49 53 05 Var.

15 ~~18~~ 28

5 ~~38~~ 44 W -53.5
39

15 32
5 47 W
-53.2

10 15

Y Velorum 09 2~~2~~5 51 R 3, 3 l

15 22

~~5~~ 6 5 ~~7~~ 02 -51.3.

15 27
6 04 W.
-51.5

10 10.

RR Carinae 095457 est (7.2) 3, 3 (7.7)

16 07
6 13 W -58.0

16 12
6 22 W

-58.0

RV Carinae 095563 est pt Var.

16 18
6 27 W
-63.1

11 02

June 8th 1911.

S Carinae 10 06 61 Est: 6.0
16.19
6 63 -60.8

16 21
6 20 N.
-60.8

11 04

Z Carinae 10 10 58 l 1 N
16 21
6 11 -58.0.

6 27
6' 22 N.
-58.0

11 10.

W Velorum. 10 11 5 3 m 3 Ne
16 28
6 17 -53-8

16 31
6 22
-53-3

11 14

RS Carinae
$\overset{1}{10}$ 03 61 Est. $\overset{n}{N}$3 Var.
16 35 60
5 32 -61.0.

16 41
5 41 N.
-60.8

11 25

RS Centauri 11 16 61 Est. h 1, 1 R very difficult
moon two bright to continue.
16 42
5 ~~36~~ -61.0.
36

13 —
90 27

16 46
5 35 N.
-60.8

11 31

Tues. June 1~~7~~3, 1911

LC Obs. 13" finder JD 9201

S Pyxidis 090024 est 8.9
1220
3 20 W

3 31 W
12 20
-24 2

6 56. RR Hydrae 094023 est 12.0

2 59 W.
12 37
-23.0

7 03 Y Hydrae 094622 Est 7.0

2 58 W.
12 41
-21.9

7.07. V Hydrae 104620 Est 7.2

2.00.
12 45
-19.8

7 11 RS Hydrae 104628 Est 01 N

7 16

2 04
12 49
-27.5

Tuesday June 13th 1911.

x Hydrae 09 30 14 Est. 10.2
12 50
3 20 W.

3 26 w
12 53

-13.6

7 20
R Antliae 10 05 37 Est. d1,5e
12 55
2 50 w -36.6

2 59 W.
13 01
-36.4

7 28
X Centauri 11 44 41 Est.
13 04
1 20 W. -40.6

No good; clouds over region,

7 $\overline{}$
.97 27

Ledg-Cof.

Thurs June 15, 1911.

L.C.Ofr 13 inch ~~E~~ Finder 9203

W Cancri 09 04 25 Est.

12 40

3 36 W +26.0

Region too low for observation.

R Comae 11 59 19 Est. 8.7.

13 32

1 33 W + 19.5

~~13~~ 7 55

glob cluster

1 28 W. 13 37 = ST. }

+19.3 7 49 ET. } look up this object

12 09 = RA

1 45 W.

13' 42

+19.6.

Z Bootis 14 01 13

abandoned for now

7 59

W Leonis 10 48 14 est 13.2

13 45

2 57 W +14.8

8 04

3 4 W

13 51

+14 8

S Leonis 11 05 06 est 13.4

13 52

8 18

2 47 W

3 2 W

14 05

+6.6

June 15, 1911.

RL Carinae 103270 est p5 n

8 28 | 14 07 | 3 35 W −~~7~~69.6 | 3 50 W | 14 18 | −69.7

old * seen but not the Var.

X Centauri 114441 h′4, 2k

8 38 | 14 20 | 2 36 W −40.6 | 2 46 W | 14 28 | −40.6

W Centauri 115058 est c2, 3d

8 46 | 14 30 | 2 40 W −58.2 | 2 48 W | 14 36 | −58.3

U Octantis 131283 est f2, 3g

8 54 | 14 38 | 1 26 W −83.2 | 1 30 W | 14 44 | −83.3

T Apodis 134677 est k^3 3, 2 k^4

9 12 | 14 46 | 1 05 W −76.8 | 1 26 W | 15 02 | −76.8

Red. to here.

June 15, 1911

S Apodis 14 59 71 est f 2,4g
15 04
0 5 W −71,2
0 14 W
15 09
9 19
−70.8

R Triang Aust. 15 10 66 Est. 7.6
15 40 −65.8
10 12
0 46 W.
15 55
−65.7

Z Bootis 14 01 13 Est.
15 57
1 57 W +14.5
10 25
Abandoned.

RS Virginis 14 22 05 Est. 11.3
16 09
1 47 W + 5.6.
10 29
1 56 W.
16 12
+5.6

R Bootis 14 32 27 Est. 10.8
16 13
1h 41 W +27.8
10 36
16 19
1 48 W
Vogel est = 10.5
+27.8

June 15, 1911.

U Bootis 144918 est 11.6
16 20
10 44 1 31 W +18.6 1 40 W
16 27

Vogel 11.8
+19.1

SS Oph 165202 est (if seen) 13.0
16 34
0 18 E -2.0

10 58. 16 42
0 10 E.
-1.8

Z Oph. 171401 Est. 9.0
16 42
~~28~~
11 04 0 32 E. + 2.0. 0 27 E.
Vogel est = 8.9 16 47
+2.2

T Serp 182306 est <12.8
16 50
1 33 E +6.6

11 22 1 17
Vogel <12.0. 17 06
+7.0

RZ Herc 183225 est ~~+26.5~~ fainter than 12.8
17 06
1 22
11 27 +26.5 17 10
+26.6

June 15th 1911.

X Oph: 18 33 08 Est: 8.0

11 30 — 1 20 E

Vogel est 8.0 — 17 13

+9.3

ST Sagitt 18 55 12 est < 12.6

17 15

1 40 E −12.3 — 1 22 E

11 45 — 17 27 — 17 28

1 28

−12.3

R aquilae 19 01 08 est 5.8

17 29

1 32 E +8.6 — 1 15 E

19 01 — 17 43

12 08 — 17 42 — Vogel = 5.8

1 19 E — +7.2

S. Lyrae 19 09 25 Est. 10.0

17 52 — 1 7 E

1 ~~16~~7 E. 25.0. — 18 03

12 20

+25.3

V Lyrae 19 05 29 est

18 ~~05~~ 20

~~1 0 E~~ +28.6 abandoned

0 45

0 48 E

18 26

19 ~~38~~ 14

+ 29.3

4485 Glob Cluster

21 6

118 33

Friday June 23 ~~15~~, 1911. 921

L.C. Obs 13" + finder. JD

V Lyrae	190529	est 14.0	
	1748		+28.6
	117 E		
			1755
			111 E
T Sagittae	191717	est 10.1	
	1753		120 E
	122 E	+16.6	1758
			+16.7
TY Cygni	192928	est 10.0	
			127 E
			1804
			+27.2
RT Aquil	193311	est 13.7	
	1810		122 E
	123 E	+10.6	1808
			+10.7
RV Aquil	193509	est ~~10~~.92	
		+8.6	120 E
			1817
			+8.7

June 23, 1911

X Aquilae 194608 Est 11.3
18 18
1 28 E + 3.3

12 04 1 25 E
18.22
+ 3.6

SY Aquilae 200212 Est 10 8
18 24
1 38 E. + 11.7

12 08 1 37 E.
18 26
+11.8

S Aquilae 20 07 15a Est. 9.6

12 12 1 38 E.
18 30
+ 14.8

RU Aquilae 20 08 12 Est.

Abandoned. 1.

8 6
126 33

Sat. June 24, 1911

L.C. Ob. 5" Equatorial.

adjust. of 5" (newly mounted today).

16 10 − 3.5 18 10 2 0 W	−1.8	3	18 12 2 05 W 16 07 −1.7
13 30 −0,2 18 15 4 45 W	−2.2	2	18 15 4 47 W 13 28 +2.0
18 1~~8~~7 −2.9 18 17 0 0	−1.2	2	18 20 0 5 W 18 15 −1.7
14 12 +19.6 18 22 4 10 +19.6	−2.4		18 23 4 12 W 14 11 +22.0

June 24, 1911.

17 11	+14.5	0	18 27
18 25			1 16 W
1 14 W			17 11
	−1.8		
			+16.3
19 1	+13.7	1	
18 28			18 29
0 33 E			0 31 E
	−0.7		19 00
			+14.4
~~16 46~~	~~−15~~		
			2 18
16 24	−26.2	4	18 34
18 32			16 20
2 8 W	−2.8		−23.4
16 39	−68.9		2 12
18 35		15	18 36
1 56 W			16 24
	−1.9		
			−67.0
18 32	−71.5		0 28 W
18 38		20	18 40
0 6 W			18 12
	−1.8		
			−69.7

June 24, 1911

2
9312

R Sagitt 191019
1843
0 27 E -17.5 Too high

T Aquar 204405 est 12.3
1844
2 0 E -3.5
-5.5
1 48 E
18 58
20 46
12 40
-7.5

RU Aquil 200812 est <12.5
1904
1 4 E
0 56 E
19 17
12 59
+12.2

Z Aquilae 200906 <12.8
1909
1 02 - 6.5
19 14
0 58 E
12 56
-6.2

R Delph 201008 est 7.8
1918
0 52 E +8.8
~~20~~
19 22
0 50 E
13 04
+8.8

June 24, 1911.

13 09	V Sagitt	201520	est <12.5	1927 052 ε +20.8
13 13	Z Delph	202817 1928 10 ε	est 9.1 +17.0	11 ε 1931 +17.2
13 17	Y Delph	203611 1932 14 ε	est <12.2	16 ε 1935 +11.7
13 20	S Delph	203816 1936 12 ε	est 9.3	14 ε 1938 +16.8
13 23	T Delph	204016	est <12.5	13 ε 1941 +16.2

June 24, 1911

Y Aquarii 203905 est 12.3
1942
0 57 Σ −5.5
0 54 3
19 48
13 30
−4.9

V Aquarii 204102 est 8.3
0 54 Σ
19 50
13 32
+2.5

~~W Aquarii 204104~~ est 9.4
V Delph 204318
0 52 Σ
19 56
13 38
+19.4

X Delph 205017 est <12.1
0 54 Σ
+170
13 41
19 59
+17.0

R Vulpec 205923 est 8.4
1 2 Σ
20 03
13 45
+23 6

June 24. 1911

RS Aquar. 210504 est 12.2 if seen

13 52 -4.7 -38

0 58 E

20 10

R Equulei 210812 est 90

13 54 0 58 E

20 12

+127

RR Aquarii 210903 est 12.5 if seen

-32

13 57 0 56 ~~7~~ E

20 15

X Pegasi 211614 est 12.3

(object at 1:05 E +12.3 at 20:22 S T.)

14 07 0 54 E

20 25

+145

SS Cyg 213843 est 120

1 17 E

14 10 20 28

+43.6

June 24, 1911

RR Peg 214024 est 10.8

1 14 8
20 36

14^{12}

+250

V Pegasi 215605 est

not found

20 6
146 33

L

Sun. June 25, 1911

L.C. Obs 5" Equat. 9$\overset{2}{8}$13

R Sagitt	191019 1710 20 E	est 8.0 −195	1 55 E 17 19 14 −19.2
RW Sag	190819	est 10.5	1 52 E 17 21 13 −18.9
RX Sag	190818	est 12.0	1 52 E 17 22 14 −18.8
U Aquil var n o p	191007 W =	est 120 9.3	17 33 1 42 E 19 15 −7.2
RY Sagitt	191033 17 30 1 40	est 6.8	1 33 E 17 40 19 13 −33.3

June 25, 1911

T Sagitt 191017 est 11.0
1747
1 23 E
1 18 E
1757
-17.0

S Sagitt 191319 est 10.6
1 2 E
1813
1 0 E
1817
-18.4

Z Sagitt 191321 est 11.5
1 0 E
1819
-20.8

RR Aquil 195202 ~~est 12.2~~
est 9.1
1822
18.31
1 40 E
1 23 E
1 34 E
-20

RS Aquil 195308 est 12.2
1 20 E
1833
1 20 E
-7.7

June 25, 1911

R Capric 200514 Est < 12.4

1272
1842

-14,4

W Aquari 204108 est < 12.?

1841
202

1846
1582

-48

T Capric 211615
1846
230

13 0
159 33

Mon June 26, 1911

L.C. Obs ~~#~~ 5" Equat. 9214

R Hydrae 132422
1558 est. 9.3
2 34 w

16 13
2 48 w

-22.7

S Virg. 132706 est 12.1

16 18
1 49 w

-6.9

RR Virg 135908 est <12.3

16 22
2 22 w

-8.9

Z Virg 140512 est <11.0

Jupiter in field

16 25
2 19 w

-12.8

RU Hyd. 140528 est h2, 3k

2 28 w
16 33

-28.4

June 26.1911

V Librae	143417	<125	
	1725		
	251 w		17 30 255 w
			−174
RT Librae	150018	~~10 8~~ 123	
	1732		
	232 w		236 w 1735
			−186
T Librae	150519	est 10 8	
			17 40 236 w
			−19.4
Y Librae	150605	~~est~~	

Clds

8 –
167 33

L

Fri. July 7, 1911

LC Obs. JD. 9225′

RS Carinae 110361 est Hf 3 N

14 20 14 43 3 46 W

7 42 3 17 W 3 40 W 14 54

−61.2

R Corvi 121418 est 11 3 moon br

1434 est diff.

7 27 3 10 W − 16.6 14 40

1 36 W at 14 37 = 1301 3 16 W

1214

0 47 off − 18.6

Reset H.A. circle to correct position.

α Centauri 1433 −60.4

1448

0 15 W

3 36 W

7 44 RS Cent 111661 est 14 57

est h 3 N

−61.4

U Centauri 122854 est (7.5) 5.5 C

2 26 W

7 47 chart 18 used 14 59

−54.2

July 7, 1911

RV Centauri 133155 est a 3,3 b
15 31
2 00 w
8 25
2 3 w
15 38
-56.8

133633 T Centauri est 6.5
1 57 w
✗ 8 28
15 41
-33.0

RT Cent 134236 est l 1,3 n
1 58 w
8 35
15 48
-36 6

RX Cent 134536 est g' 5 var
1 58 w
8 38
15 51
-36 6

Light gas out will have to quit for now.

Fri - July 14, 1911

L C Obs. J.D. 9232 5" Equat.

R Centauri 140959 est 6.3

14 09 −59.4 — 0 38 W

7.09 14.45 — 14 50

0 36 W

−60.3

Y ~~Librae~~ Lupi 145254 est 9.0 var

14 52 — 0 0 W

7 16

0 0 — 14 55

−53.0

S Lupi 144646a est (11.9) 5 var only one * seen

7 20 — 0 8 W

15 01

−47.3

Y Librae 150605 est 11.1

15 13

7.32 — 0 5 W

−5.8

S Librae 151520 est 120

0 9 E

7 36 — 15 17

−20.9

July 14, 1911

S Serp 151714 est 9.2

0 8 E
15 22
+14 0

7 41

RS Librae 151822 est 9.8

0 8 E
7 49
15 26
-228

R Oph. 170215 est 10.2

1 16 E
16 02
8 20
-160

RT Herc 170627 est 9.2

1 22 E
+27 4
8 23
16 05

RS Herc 171723 est 8.8

8 25
a 1 28 E
16 07
+23 3

July 14, 1911

RU Oph. 172809 est 10.7

8 29

1 34 E
16 10

+9.7

RS Oph 174406 est 11.4

1 50 E

8 31

16 12
−6.8
~~+0~~

RT Oph 175111 est 10.1

8 33

1 55 E
16 14

+11.6

RY Her 175519 est 12.2

8 35

1 58 E
16 16

+19.4

RY Oph 181103 est 11.6

2 8 E

8 39

16 20

+13.8

July 14th 1911

SV Herc 182224 est <12.0

8 43 | 2 16 E
16 24
+24.0

T Serp. 182306 est 11.8

8 45 | 16 26
2 16 E
+6.8

RZ Herc 183225 est 11.4

8 55 | ~~abandoned~~ | 16 36
2 16 E
+26.0

X Oph 183308 est 9.1

8 52 | 2 18 E
16 33
+8.8

R Aquilae 190108 est 7.6

8 57 | 2 40 E
16 40
+8.0

July 14. 1911

RW Scorpii #170833 est 9.2
1753
45 w
10 17
0 44 w
−33.6
17 58

S Octantis 172586 est m 3 n
10 23
0 50 w
18 05
−88.0

RW Scorp. 173543 est <11.6
1806
0 31 w
10 30
0 20 w
18 10
−43.9

L

Stone - July 16, 1914

LC Obs 5" Equat. 9234

RS Carinae 110361 est p2 n

3 33W
14 37

6 48

-61K

RS Cent 111661 est l2 n

3 29 W
6 56
14 45

-612

X Cent 114441 est h'0,5k

1446

3 2W

3 10W
7 05
14 54

-418

W Cent 11505f est a3,5c

1455

3 5W

3 5W
7 07
14 57

-587

U Cent 122f54 est f!

145f

2 30W

2 28W
15 00

-542

July 16, 1911

2

U Octantis 13128 3 est

1502

1 50 W

abandoned

S Leonis 110506 est

1510

45 W

Dome off track

Light out of order

Is there anything that can go right at this place?

over

July 16, 1911

13" finder

RV Cent 13 31 55
16 01
2 30 W

R.A. finder out of order

Enough to discourage any man.

L

Mon July 17/1911 -

L.C. 5" Equat. ~~PD~~ 9233

	δ Leonis	110506		
		15 19 4 14 W	est 120	
7 25				15 19 4 12 W
				+6.5
	R Comae	115919	est 8.0	
		15 21 3 22 W		15 24 3 20 W
7 29				
				+19.8
	SU Virg	120012	est 12.5 faint	
		15 25 3 25 W +12.9		
7 33				3 15 W 15 28
				+12.9
	T Virg	120905	est 8.9	
7 36				3 08 W 15 31
				-5.3
	R Corvi	121418	est 11.7	
7 38				3 7 W 15 33
				-18.7

July 17, 1911

	SS Virg	122001	est 8.7	
7 41				15 35 3 6 W +1.8
	Y Virg	122803	est 12.3	
7 46				3 2 W 15 40 - 39
	RV Virg	123307	est 9.2	
7 48				2 57 W 15 42 +7.6
	U Virg	124606	est <12.3	
7 51				2 46 W 15 45 +6.3
	RU Virg	124204	est 11.5	
7 53				2 52 W 15 47 +4.8

To take Mid Alts

July 17. 1911

	RT Virg	125705	est 8.5	
		16 ~~20~~ 13		3 08 W
		3 16	W New Var 11.8	16 15
8 21				
				+ 5.8
	RV Virg	130212	est 11.7	
				3 5 W
8 24				16 1.8
				−12.3
	V Virg	132202	est 9.2	
				2 52 W
8 30				16 24
				−25
	R Hydrae	132422	est 9.8	
8 34				2 50 W
				16 28
				−22.8
	S Virg	132706	est 12.2	
8 38				2 54 W
				16 32
				−6.8

July 17, 1911

	RR Virg.	135908	est 115	
				2 28 W
8 41				16 34
				-8.8
	Z Bootis	140113	est <120	
				2 30 W
8 45				16 38
				+13.6
	Z Virg	140512	est <120	
				2 32 W
8 50				16 43
				-12.8
	RS Virg	142205	est 110	
8 52				2 13 W
				16 45
				+5.8
	S Herc	164715	est 10.2	
		20 02		3 5 W
12 10		3 15 W		20 04
				+15.2

July 17, 1911

1212	SS Oph	165202	est <12.1	3 02 W 20 06 −2.6
1214	Z Oph	171401	est 8.6	2 44 W 20 08 +1.7
1218	R Her	160118	est 11.9	~~24~~ 3 58 W 20 12 +18.8
1220	U Ser	160210	est 9.8	3 58 W 20 14 +10.6
1223	RU Her	160625	est 11.~~2~~0	3 57 W 20 17 +25.8

July 17, 1911

	~~W Oph~~	~~161607~~		
12 34	V Oph	162112 2027 4 06	~~est 8.8~~	2029 3 56 W -12 2
12 37	W Oph	161607	est 11.0	20 32 ~~3 58~~ 4 02 W -7 8
12 41	U Her	162119	est 11 2	4 3 W 20 36 +19 2
12 43	SS Her	162807	est 11.4	3 59 W 20 38 +7 4
12 48	T Oph	162815	est 11 6	4 5 W 20 42 -15 8

July 17, 1911

	S C Oph	162816	est 11.8	
				4 5 W 20 45
12 51				−16.8
	RR C Oph	164319	est 10.4	
12 53				3 52 W 20 47
				−19.4

Wind high; seeing very poor.

L.

Tues July 18, 1911 92$^{3\,10}$

L C Obs. J.D. 5" Equat.

U Centauri 122854 est 7 6

15 16

7 18 15 10

2 44

2 42 W

-5 40

RV Cent. 133155 est a2, 3b

1 44 w

15 19

7 21

-5 60

T Cent. 133633 est 6.0

1 39 W

7 25

-33,3

1522

T Apodis 134677 < k^4

15 28

1 33

7 31

-774

R U Hyd 140528 est

15 30

1 25 W

abandoned

July 18, 1911

R Bootis 143227 est 9.0

1558
1 26 w

16 01
1 16 w

8 03

+32.5

U Bootis 144918 est 11.4

8 05

16 03
1 00 W

+18.0

V Librae 143417 est <12.0

16 10
1 18 W

8 12

−17.2

S Apodis 143971 9.4, 3h

1610
1 11 W

8 33

16 31
1 39 w

−71.5

RT Librae 150018 est 11.5

~~16 25~~
~~1 18~~
~~15~~

1633
1 33 W

1 24 W
16 34
−18.6

July 18, 1915

150519 T Librae est 112

16 37

δ 39

1 24 W

−19.6

152714 RU Librae est 120

16 43

1 7 W

δ 45

−14.8

X Librae 153020

Cop. for Camb. to here

L.

Thur July 20, 1911

9 2 38

L.O. Obs 5" Equat

X Librae 15 30 20 est 11.7

1830
3 00W

10 34

3 04W
1834

-20.8

W Librae 15 32 15 <12.2

3 4W
1836

10 36

-15.6

U Librae 15 36 20 est <12.2

3 4W

10 40

1840

-20.8

Z Librae 15 40 20 est 11.0

3 6W
1844

10 44

-20.7

R Librae 15 47 15 est 11.4

3 4W

10 51

1851

-16.0

July 20 1911.

	RR Librae 155018 < 12.1	
10 54		18 54 3 4W -18.0
	~~RS~~ RZ Scorpii 155823 est 109	
10 57		18 57 3 6W -23.8
	Z Scorpii 160021 est 11.6	
10 59		18 59 3 00W -21.4
	X Scorpii 160221 est 124	
11 04		19 04 3 3W -21.2
	W Scorpii 160519 est 12.0	
11 07		19 07 3 3W -19.8

July 20 1911

RX Scorpii 160524 <12.1

11 09 | 19 09
3 50 W

−24 6

RS Scorpii 161122a est 11.3

11 10 | 19 10
3 00 W

−22 7

SS Scorpii 161122b est 11.6

11 11 | 19 11
3 00 W

−22 7

Y Scorpii 162319 est <12 2

11 13 | 19 13
2 00 W

−19 2

R Lupi 154736 est 11.8

19 15
3 28 W | 3 33 W
19 18

−36.0

July 20, 1911

RS Scorpii 164844 est 10.8

1918
2 30W

12 41

2041
3 56W

16 48
20 39
3 51 W

-46.6

~~RR Scorp 165030~~

12 51

RT Scorp 165636 est 12.0

2047
3 51

2051
3 58W

-364

RR Scorp 165030 est 8.6

4 6W
2055

12 55

-30.3

SV Scorp. 174135 est l 3 n

2056
3 15W

12 38

3 19W
2058

-35.8

W Pavon 174162 est h 3 n

2105
3 24W

13 05

-62.4

July 20, 1911

U Arae 174551 l 3 var

21 08
3 24 W

13 08 21 05
3 20 W

−5 17

Nova Sag II 175327 est f 3 N

21 12
3 20 W

13 12

−27.5

R Pavonis 180363 est 8 f

3 17 W
21 13
21 14

13 14 3 10 W

−63.6

RV Sag 182133 est 11 f

3 2 W

13 18 −33 ∠ 21 18

−33 ∠

S Cor. Aust 185437 <12.2

21 20
21 23
2 32 W
13 23 2 26 W
−37.0

R = 120 T notseen <12?

July 20, 1911

	R Sagitt	191019	est 8.9	
		21 25		2 21 W
13 28		2 15 W		21 28
				-19.5
	RW Sag	190819	est 10.3	
13 31				2 24 W 21 31
				-19.0
	RX Sag	190818	est <12.0	
13 32				2 25 W 21 32
				-18.8
	S Sag.	191319	est 11.8	
13 34				2 24 W 21 34
				-19.2
	RY Sagitt	191033	est 7.1	
13 37				2 30 W 21 37
				-33.6

Fri - July 21, 1911

P.C. Obs 5" Equat. J.D. 9239

ST Sag 185512 est 12.3
1515
3 40 E
7 11
3 53 E
15 19
-12.2

W aquilae 19007 est 10.0
4 08 E
7 16
15 24
-7.8

T Sagitt 19017 est 10.5
1525
3 45 E
7 19
3 58 E
15 27
-17.3

~~Z Sagitt 19132~~

V Lyrae 190529 est < 12.0
3 20 W
7 27
15 35
+29.5

S Lyrae 190925 est 10.3
15 45
7 37
3 20 W
+25.9

Sat. July 22, 1911

L.C. Obs 5" Equat JD 9.240

13 32	Z Sagitt	191321 2121 2 8W	est 10.3	21 44 2 22W -21.1
13 45	SW Sagitt	191331	Var < j = n.s.	21 56 2 34W -31.8
13 48	T Sagittae	~~191604~~ 191717	est 9.3	21 59 2 32W +17.5
13 51	TY Cyg	192928	est 10.1	22 03 2 24W +28.0
13 54	RV Aquil	193509 2205 2 30W	est 10.0	22 06 2 20W +9.3

July 22, 1911

RT Aquilae 193311 est 8.8

2 24 W
22 12
14 00
+11.5

X Aquilae 194604 est 10.1

22 17
2 18 W
14 05
+4.2

T Pavonis 193972 est 10.4

22 22
2 43 W
14 14
22 26
2 48 W
-71.7

S Pavonis 194659 est 7.1

22 46
3 00
3 4 W
22 53
14 41
-59.4

RR Sag. 194929 est 11.7

23 09
3 20
15 00
23 12
3 14
-29.4

July 22, 1911

RU Sag. 195142 est. m 0 Var

23 14
3 16W

15 02

-42.2

S Telescopii 195755 m 5 Var

23 20
3 15W

15 07

— Telesc. 195656 est ~~m~~ 0 2 n

-55.8

RS Aquilae 195308 ~~Pa~~ <12.2

23 24
3 20W

15 12

-8.0

RR Aquilae 195202

23 30
3 38W

15 20

Too windy to continue further

Mon. July 24 1911.

L C Obs 5" Equat J.D 9242

Selection of sequences for Southern Algols & Short periods

W Crucis 120658 est a' 3, 3a

14 56 15 02

6 44 2 58 W Seq. already on chart 2 55 W

a' 6 a 3 c 4 b 5 d 4 e

−58.0

S Muscae 120769 est a 2, 4b

15 10

6 52 Campbells Sel. 3 8 W

a 5 b 4 c 3 d 3 e 4 f

−69.4

SW Centauri 121249 est d 2, 3 f

3 07 W

7.06 Seq. already on chart 15 24

a 5 c 3 d 3 b 5 e 3 f 5 g 5 h 3 k 4 l

fainter ✱s not seen

−48.8

SX Cent. 121548 est Var g 3, 4 f

3 13 W

7 14 Sel. by L C 15 33

α 5 a 6 b 3 d 3 c 5 ~~✱~~ g 3 e 4 f 5 f'

f' 6 h −48.4

July 24, 1911.

R Crucis 121861 = b 3,3 c

7 31 T Crucis 121561 = b 0,6 c 3 33W

7 32 15 50

1543 / 3 28W L C's selection

−61.9

a 5 b 4 c 3 d 5 e 4 f 6 g

R Muscae 123606 8 est Var a 3,4 b

L C seq. 3 26W

7 39 15 57

a 6 b 5 c 3 d 5 e 4 f 7

−68.6

S Crucis 124857 est Var a 1,5 b

7 46 L C's Seq. 3 14W

16 05

a 6 b 4 c 3 d 5 e 6 f

−57.7

SS Centauri 130763 est a 3,3 b'

3 8W

7 54 Leavitt seq 20 13

b 4 a ~~5 c~~ 5 b' 3 c 4 c' 5 d 5 e 4 f

−63.3

SY Cent 133561 ~~est~~

1655 / 3 20W

Abandoned cannot identify

July 24, 1911

~~Circini 133660~~

V Centauri 142556 est b 3, 3 a

8 55 17 10 ~~17 13~~ 17 13

2 45 W 2 45 W

L.C.'s Seq a 5 b 4 c 3 d 6 e −56 3

— Lupi 142950 est

— Circini 142355 est f 1, 4 g

9 06 17 20 2 43 W

2 37 W 17 26

L.C.'s seq. a 6 b 4 c 3 d 4 e 5 f 5 g | −5 5 2

R Triang Aust 151066 a 2, 3 b

9.13 17 30 17 32

2 20 W 2 25 W

L.C.'s seq. a 5 b 4 c 5 d 4 e 5 f −66 2

U Normae 153454 f 2, 3 g

Copied for Comb.

2 21 W

9 37 2 . 3 at 17 43 17 56

−54.6

L.C. Seq a 5 b 4 c 3 d 4 e 5 f 5 g 4 h 5 k

"B"

Sat. July 29. 1911

L.C. Obs   5" Equat.   J.D. 9247

1317	174433 RY Scorpii. 21 29 3 45W — 337 Cannot identify		
1326	— Scorpii 174933 c' var 2 c 21 59 4 10W LCs Seq a 6 b 4 c' 3 c+ 5 d 3 e 4 f		22 06 4 8W —335
1337	S Arae 175149 d 3, 2 e LCs Seq a 4 b 3 c 5 d 4 e 5 f		22 18 4 18W —448
	180240 — Cor Austr 23 10 5 8W		

Copied for Card. L.

Tues. Aug 1, 1911

"D" H.C. Obs. 5" Equat 9250

	R Comae	115919	est 9.0	
7 38				16 30 4 30 W
				+19.6
	SU Virg	120012	est < 11.5	
7 43				16 35 4 30 W
				+12.8
	T Virg	120905	est 9.3	
7 46				16 38 4 25 W
				−5.5
	R Corvi	121418	est 11.4	+
7 ~~52~~ 50				16 42 4 23 W
				−18.0
	SS Virg	122001	est 7.8	
7 56				16 48 4 20 W
				+1.2

Aug 1, 1911

8 08	Y Virg.	122803	~~est~~ 12,0	17 00 4 25 −3.6
8 13	R Virg.	123307 1703 4 30 W	est ~~9.0~~ 8.4	17 05 4 20 W +7.8
8 17	U Virg	124606	est 11.0	4 12 W 17 09 +6.8
8 20	RT Virg	12570~~7~~ 5	est 8.5	4 5 W 17 12 +5.8
8 24	RV Virg	130212	est <11.8	4 5 W 17 16 −12.8

Aug. 1, 1911

8 28	V Virg. 132202 est 9.0		17 20 8 5-6 W -2 6
8 33	R Hydrae 132422 est 9.3		17 25 3 56 W -22 6
8 36.	S Virg. 132706 est <11.6		17 28 3 55 W -6.6
8.38	RR Virg 135908 est <11.6		17 30 3 25 W -8 8
8 43	Z Boötis 140113 <11 5		17 35 3 25 W +13.8

Aug 1, 1911

	S Herc	164715	est 10.8	
1000				18 55 2 5W +15.0
	55 Oph	165202	est 11.6	
10 03				18 58 2 0W −22
	Z Oph	171401	est 9.6	
1007				19 02 1 40W +1.6
	R Herc	160118	est <11.8	
1011				19 06 3 0W +18.6
	U Serpentis	160210	est 8.8	
10 15				19 10 3 0W +10 2

Fri Aug 4, 1911.

L.C. Obs J.D. 9253 5" Equat

SY Aquilae 200212 est

Moon quite bright; dome off
track, making it too difficult to
12 30 attempt var. ★ obs. now.
Also L.C. has bad cold in head & eyes

L

Fri. Aug 11, 1911

L.C.

Search made for Comet, 5" & FG.

Sky very bright on acct of Moon.

15 10 No Comet seen surely

15 15 o Ceti 021403 eye & FG est 4.0

L

Sat Aug. 12, 1911

LC Ob 5" Equat. 9261

133155 6 1418 2 47 W	RV Cent. -55.9	est a5, 1b	16 24 2 50W -56.0
T Centauri	133633 16 26 2 50 W	est 6f	16 29 2 48W -33.3
RT Cent	134236 16 30 2 48 W	l2, ~~0m~~ n -36.0	16 37 2 50 W -36.3
RX Cent	134536	g3, 3g'	16 42 2 50 W. -36.6
T Apodis	134677	est k4, n	16 52 3 00 W -77.9

Aug 12, 1911.

~~RR~~ Z Virg 140512 est <12.2

16 55

2 50W

16 55

2 43 W

−12 2

RU Hydrae 140528 m 3 n

16 58

2 46W

−28.2

R Centauri 140959 est 6.5

2 48W

17 00

−59.2

RS Virg 142205 est 11.3

17 04

2 38W

+6.0

R Bootis 143227 est 7.7

17 07

2 22W

+27.8

+32.2

Aug. 12, 1911.

144918 U Bootis est 10.9

17 09
2 07

+18.4

154428 R Coronae est 11.2

17 10
1 26 W

1 35 W
7 33

quite faint for B

+28.8

f

Thurs Aug 24, 1911

LC Obs JD. 5" Equat

Brooks Comet

0 42 E +46.9 at 20 24 S.T.
21 06

α Cygni
0 36 E +45.4 at 20 24 S.T.
21 00

α Cygni 20 38.0 +44.9
Comet 20 44 +46.4

Ry Oph 18 11.3 est
22 19
4 8 W

Light gave out!!!

Fri Aug 2~~4~~5th 1911 J.D. 9274

RC. 5" Equat J.D.

Brooks Comet	α Cygni
S.T. 18:04	S.T. 18 04
Ha. 2 54 E	Ha. 2 55 E
Ob Dec. +46.9	Obs Dec +44.3
Obs RA 20:58	Obs. Ra. 20 59
True RA 20 37	True Ra. 20 38
True Dec +47.5	True Dec +44.9

~~Ft~~ Fuse blown again in 5"

13" finder.

F.T.C. Rec.

17 02 15 R. Ophiuchi Est. 8.2 −13.5
21 51 21.54
11.24 4 49 W 4 50 W

18 11 03 RY Ophiuchi Est. 11.5 + 3.6
21 56 ~~21.54~~
3 45 W 3.50 W
22:02

Aug 25, 1911

SV Herc 182224 Est 12.6 +22.6
2202
3 40 W 3 45 W

~~40~~
11 40 22:10

T Serp 182306 est 11.0 3 56 W

22:18
11 48 +6.2

R Aquil 190108 est 9.4 + 8.2
22 20 3.17 W
3 19 W
11 51 22 22

~~11.01~~ ~~R~~ 191019 R Sagitt est 11.4
2223
3 20 W
11 58 3.13 W 22:29
−19.2

S Sagitt 191319 est 11.8
3 19 W
12 07 22 32

−19.4

Aug 25. 1911.

RW Sag 190819

Est 9.6.

-19.4
3 24 W.
22 34

12 04

RSC. Sag 190918 (8 written over the 9 of 09) Est: 12-8

-19.2
3 26 W
22 36

12 05

R Sag. 191321 Est. 12.4

-21.2
3 30 W.
22 41

12 10.

195308 RS aquilae ~~est~~

Sat Aug 26, 1911 9275

LC Obs

Brooks Comet 3 9 E S.T. = 17:41 Dec +47.9

Ob. R.A. 20:50 True RA. 20:30

Ob. Dec +47.9 True Dec +48.5

α Cygni 3 17 E 17:41 Dec +44.3

Ob. R.A. 20:58 True RA. 20:38

Ob. Dec +44.3 True Dec +44.9

R Coronae 154428 est 9.0

7 31 18 02

2 03 W

+29.2

RV Centauri 133155 est a4, 2b

1804

4 33 W

7 53 18 24

4 44 W

13 40

−55.3

RX Cent. 13536 est 0 3 n

7 56 18 28

4 32 W

−35.6

Aug 26, 1911

RT Cent. 134236 est l 3, 2 n

4 37 W

7 59 18 31

−35.6

RU Hyd 140528 est ~~ff~~ h 2 n

18 34

8 03 4 20 W

−28 2

S Lupi 144666 a est (11.9) 3 var

only one * seen 18 38

8 06 3 43 W

−45.6

~~V Librae~~

Y Lupi 145254 est 0 2 Var

18 47

3 48 W

8 16

−53.6

S Apodis 145971 est n 1 n

18 50

8 19 3 45 W

−71.0

Aug. 26, 1911

RT Librae 150018 set

Dome off track can't observe in this part of sky

Wed Aug 30, 1911

LC 5" Equat.

Eye piece in use on 13"

Other eye piece not ready.

L

9280

Thurs. Aug 31, 1911

L C Obs 5" Equat JD

	V Capric	210124	est 11.8	21 27
10 35				0 20 W
				−24.6
	X Capric	210221	est <12.2	
				21 30
				0 16 W
				−21.8
	Z Capric	210516	est 9.8	
				21 35
				0 18 W
				−17.0
	T Capric	211615	est 12.0	
				0 9 W
				21 37
				−15.8
	S Piscis.	212030	est m 3 Var	
				0 8 E
				21 39
				−30.7

Aug 31/1194

r y Ophiuc 212814 est 12.0

0 2 W
21 42

−14.8

Cygni
r TW r 210129 est [illegible] < 12.0

0 30 W
21 48

+29.4

r 210504 RS Aquar. est 11.0

0 52 W
22 11

−4.4

r R R Aquarii 210903 est 9.8

0 46 W
22 08

−3.4

r R Equulei 210812 est 11.0

0 51 W
22 13
+12.4

Aug 31 1911

✓ X Pegasi 211614 est 10.3

0 44 W
22 16
+14.2

✓ 55 Cyg 213843 est 9.1

11 28

0 22 W
22 19
+43.6

✓ RR Peg 214024 est 12.0

0 25 W
22 22
+25.0

✓ V Pegasi 215605 est if seen 12.2

0 17 W
22 28
+5.8

✓ T Peg 220412 est 11.7

22 33
0 8 W
+11.8

Aug. 31, 1911

√ RS Peg 220714 est 10.0

22 37
0 14W

+138

√ Y Peg 220613 est <12.2

22 38
0 16W

+137

√ RV Peg 222129 est 12.0

22 46
0 8W

+298

√ RW Peg 225914 est 11.4

22 49
0 27E

+146

√ R Peg 230110 est 11.3

0 22E
22 54

+94

Aug. 31, 1911.

'W Pegasi 231425 est 8.1

22 57
⊙ 32 E

+25.7

'S Pegasi Z31508 est <12.2

23 01
0 28 E

+8.1

'Z Pegasi 235525 est 9.0

12. 13

23 05
1 07 E

+24.8

'o Ceti eye est 3.8

12 43

C for Cambridge.

Sept 11, 1911 Mon

L.C. Obs 5" JD 9291

R Coronae 154428 est 7.2

2 58 W
18 57

+29 2

Z Coronae 155229 est 10.2

19 02 ~~W~~
~~18 56 W~~
2 56 W

+29 5.-

~~BF~~ R Bootis 143227 est 8.4

3 30 W
19 03
+27.5 -

U Bootis 144918 est 11.6

3 20 W
19 05 -

+18 8

S Serp 151714 est

in clds.

L

S Herc 164715 -
1907
2 20 W

Mon. Sept. 18, 1911.

9298

7 36	160210 U Serp. est 9.6	3 18 W 19 35 +10.8
7 50	X Scorpii 160221 est <10.8 haze	3 30 W 19 49 -21.8
7 59	W Scorpii 160519 est 10.5	19 58 3 41 W -19.6
7 56	RX Scorpii 160520 est <11.0 haze	19 55 3 34 W -23.8
	R Scorpii 161122a est <11.0 S Scorpii 161122b est <11.0	20 01 3 37 W -21.6

Sept 18, 1911

W Oph 161607 est just seen 11.2

8 06

20 05
3 36 W

−7.0

V Oph 162112 est 8.8

20 09
3 33 W

8 10

3 28 W
20 07
−12.2

NGC 6171 Nebula
look up Comet or Neb?

−11.4

Y Scorpii 162319 est <11.0

20 14
3 35 W

8 15

Very Hazy

−19.0

Tues Sept 19, 1911

AC Obs 5" Equat JD 9299

	RU Herc	160625	est 9.8	
8 20		2020 414 W		4 2 W 20 22 +26.6
	U Herc	162119	est 10.8	
8 23				~~4~~ 3 48 W 20 25 +20.0
	SS Herc	162807	est 9.6	
8 25				3 46 W 20 27 +6.7
	T Oph	162815	est 11.5	
8 27				20 29 3 48 W −15.2
	S Oph	162816	<11.8	
8 29				20 31 3 49 W −16.4

Sept 19. 1911

RR Oph 164319 est <11.8

8 32 — 20 34 / 3 38 W / −18.5

S Her 164715 est <11.5

8 36 — 3 40 W / 20 38 / +15.0

SS Oph 165202 est 8.3

8 39 — 20 41 / 3 36 W / −1.9

20 40
3 37 W } locn of neb ?
−3.3 NGC 6254

R Oph 170215 est 11.8

9 03 — 21 05 / 3 44 W / −15.3

RS Scorpii 164844 est <12.0

9 08 — 21 10 / 4 04 W / −44.8

Sept 19, 1911.

	RR Scorp	165030	est 11.5	
9 08	4 8 W 21 12 -29.3	look up		21 20 4 14W -30 8
	4 8 W -25 5 21 15	look up		
	RT Scorpii	165636	6 < 12.0	
9 24		21 21 4 25		21 26 4 15W
	21 25 3 46 W 17 39	36.3		-37.0
	RT Herc	170627	est 11.2	
9 28				21 30 4 10W +27.0
	RW Scorpi	170833	est 12.2	
10 23				22 25 5 5W -32.3

Sept 19, 1911

	RU Scorp	173543	est 11.2	
10 27				22 29 4 48 W -43.0
	RV Scorpii	174135 2231 4 50 W	est < m 1 N	
10 30				22 32 4 42 W -35.0
	RS Oph	174406	est 11.3	
10 32				22 34 4 40 W -6.0
	RT Oph	175711	est 9.4	
10 36				22 38 4 38 W +11.0
	Nov Sag No 4	175327	est < f3 N	
10 40				22 42 4 38 W -27.4

Wed Sept ~~19~~ 20 1911

LC 5" Equat. 9300

8 50	RY Herc	175519 est 9.2 20 55 3 00 W	2055 2 46 W +20.2
8 53	RS Herc	171723 est 9.4 2057 3 40 W	20 58 3 26 W +23.8
8 56	RU Oph	172809 est 12.2	21 01 3 18 W +10.3
8 58	T Serpen	182306 est 10.3	21 03 2 27 W +6.7
9 05	X Oph	183308 est 8.4	21 05 2 18 W +9.3

Sept 20, 1911.

RZ Herc 183225 est < 12.0

9 03

21 08
2 20 W
+26 8

St Sag 185512 est 12.3

9 05

21 00
2 4 W
−12 3

R Aquil 190108 est 11.0

9 32

21 37
2 20 W
+90

V Lyrae 190~~X~~529 est < 12.5

21 21
2 16 W

9 20

look up {21 26
21 58 W + 30 6}

21 25
2 6 W
+30 2

190925 S Lyrae Est 12.3

9 25

2 06 W
21 30
+26 7

Thurs Sept 21, 1911

AC Ob 5" Equat. 9301

R Coronae 154428 est 9.2

7 22 | 19 32
3 34 W

+292

RS Cygni 213843 est 12.0

7 28 | 19 38
2 15 E

+438

W Pavonis 174162 est <12.0

7 40 | 1941
20 W

~~I~~ 19 50
2 8W

-622

R Pavonis 180363 est 11.2

7 37 | 1945
1 42 W

1 45 W
I 19 47

-633

U Arae 174551 est 11.6

7 43 | 2 08 W
19 53

-512

Sept 24 1911

RV Sagittarii 182133 <12.0

1954
1 33 W

20 01
1 32 W

-33.3

S Coron Aust 185437 est 12 2

20 06

7 56 R Cor Aust 185537a est <12 3

1 5 W

T Cor Aust 185537b est <12 3

-37 2

S W Sag 191331 est 9 2 Var

8 00

8 10
0 48 W

-3 20

S Octantis 172586 <m

8 18

20 12
2 47 W

8 03

2 50 W

-86.9

T Sagittae 191717 est 9.3

2140
2 23 W

9 35

2 08 W
21 45

+175

Sept 21, 1911

TY Cygni 19 29 28

2 1 49

2 20 W

Light gave out

Sat. Sept 23, 1911

5" Equat. L. C. J.D. 9303

8 50 TY Cygni 192928 est 10.8
2109
1 40 W
21 11
1 30 W
+29.0

RT Aquil 193311 est 9.6
2113
1 40 W
2114
1 30 W
+11.8

RV Aquil 193509 est <12.2
2119
1 29 W
+10.3

X Aquil 194604 est 9.3
2123
1 26 W
+44

RY Oph 181103 est 8.8
2129
9 08 3 5 W
+42

Sept 23, 1911

182224 SV Herc est 148

2 57 W
21 34

+25 6

RY Sag 191033 est 7.0

22 10
9 50 2 54 W

-33.3

R Sagitt 191019 est <12.1

22 19
2 53 W

-19.2

RW Sagitt 190819 est 9 3

22 15
2 57 W
-18.7

RX Sagitt 190818 est 12.0

22 17
2 58 W
-18.6

S Sagitt 191319 est <12.2

22 18
2 56 W

-19.0

Sept 23 1911

Z Sagitt 191321 est 11.8

22 26
3 2W

-20.4

T Sagitt 191017 est 8.2

22 32
3 10W

-16.5

W Aquilae 191007 est 11.8

3 13W
22 35

10.15 New Var ~~A~~d = 9.8

-6.6

RS Aquilae 195308 est < 12.0

2 30 W
22 38

L

-8.0

Mon. Sept 25, 1911

LC. 5" Equat JD 9305

T Pavonis 193972 est 11.4

2 05 W
9 10 21 39
-71.8

S Pavonis 194659 est 8.5

1 50 W
9 15 21 45

-59.7

RR Sagitt 194929 est 11.0

21 50
1 51 W
9 20

-29.2

RU Sag. 195142 est 94.3h 10.0

21 58
1 52 W

-42.3

S Telesc 195855 est < m3N

21 58
9 28 1 48 W

-55.3

Sept 25 1911.

S Y Aquilae 200212 est 9 4

10 55

23 25
3 10 W
+12 3

S Aquilae 200715 ~~est~~ 10 5

11 00

23 30
3 10 W
+15 8

RW Aquilae 200715b est 9 0

~~10~~
11 02

23 32
3 11 W
+16 3

RU Aquilae 200812 est 10 8

23 34
3 12 W
+13 4

R Delph 20~~0~~1008 est 11 6

3 12 W
23 37
+9 4

Sept 25, 1911

V Sagittae 201520 est <12.0

23 39
3 8 W

+21.5

Z Delph 202817 est <12.2

23 41
3 2W

+17.7

Y Delph 203611 est 10.3

3 3W
23 53

+12.2

T Delph 204016 est <12.0

23 49
2 56W

+16.8

S Delph 203816 est 9.2

23 50
2 57W

+17.4

Sept 25, 1911

V Delph 204318 est <120

23 56
25 8 W

+19 6

X Delph 205017 est 8.8

23 58
25 55 W

star Var? = <120

+17 8

R Vulpec 205923 est 9.0

~~2~~ 0 1
2 47 W

+23.6

TW Cyg 210129 est <120

0 3
2 47 W

+29 8

T Aquarii 204405 est 10.0

0 9
3 13 W

− 4 8

Sept 25, 1911

	Y Aquarii 203905 est <12.0	
11 42		0 12 3 19 W — 44
	W Aquarii 204104 est 10.5	
11 45		0 15 3 22 W — 38
	V Aquarii 204102 est 8.3	
11 48		3 24 W 0 18 + 28

R.

Tues Oct 10, 1911

L C Obs 5" Equat. JD - 9320

W Pavonis 174162 est <120
2109
3 28 W

21 11
3 25 W
-62.0

U Arae 174551 est
2112 region not obtained
3 27 W

S Cor Austr 185437 est N <120
2117
2 23 W

2 17 W
) 53 21 20
-36.8

R & T = N <120

RV Sag 182133 est 120

21 31
2 58 W

-33.2

R Pavonis 180363 est 78

21 38
3 0 W

-63.5

Oct 10, 1911

SW Sagitt 191331 est 11.8

2139

226 w

−3/2 ~~11~~

2 22 w

2142

S Oct 172586 est 11 2n

2145

420 w

2144

416 w

−870

R Capric 200514 est

2145

1 40. w

L.

Tues Oct 17, 1911

LC ~~13" finder~~ PD 9327

Fuse blew on 13" so used 5" Equat.

altair
21 21 +88
1 23 W
19 58

T Sagittae 191717 est 9.3

7 32 1917 2113 21 26
21 24 1.54 W 1 55 W
2 07 W obs 19 31 RA

+183

R Aquilae 190108 est 10.8

2 12 W
7 35 21 29

+8.9

R Capric. 200514 est <12.2
2130 21 33
1 25 W 1 18 W

-144

RU Capric. 202622 est 11.6
1 1 W
2134 21 37
1 8 W

-222

Oct. 17. 1911

W Capri	200822 2140 1 32W	est 12.3 diff Best	2143 1 25W -22.2
Z Aquilae	200906 2145 1 36 W	est 11.1	21 48 1 25W -6.4
RT Capri	201121	est 7.3	21 51 1 28W -21.6
201139 2202 1 51 W	RT Sag	est 10.1	22 05 1 43W -39.6

L

Wed. Oct 18, 1911 9328

L.C. Obs 13" finder

U Arae 174551 est a 5, 3 C

21
+9 25
3 40 W

7 30

3 48 W
21 30

-51.8

W Pavonis 174162 est l 3, m

7 35

3 56 W
21 35

-62.7

S Octantis 172586 est < n 3 n

7 45

4 20 W
21 45

-87.0

R Pavonis 180363 est < 12.5

21 47
3 42 W

7 52

3 52 W
21 52

-63.9

RV Sag. 182133 est 12.6

7 58

3 36 W
21 58

-33.6

Oct. 18, 1911

	S Cor. Aust	185437	est 12.2	
		2226		3 36 W
		3 30 W		2226
8 26	T Cor. Aust	185537b	< 12.8	
	R Cor. Aust	185537a	est 12.5	
				−372
	SW Sagitt.	191331	g 5 Var	
		2727		3 22 W
		3 14 W		2233
8 39				
				−322
	R Capric	200514	est 12.8	
		2235		2 46 W
		2 30 W		2244
8 44				
				−147
	W Capric	200822	est 11.5	
				2246
8 46				2 38 W
				−223
	RU Capric	202622	est 12.8 if seen	
				2 25 W
8 49				2249
				−221

Thurs Oct ~~18~~ 19 1911

LC 13" finder JD 9329

201139 RT Sagittarii est 11-8

7 26 2118

1 7 W

1 23 W

21 31

− 39.4

U Microscopii 202240 est l 3,3 m

2124

1 2 W

7 22

1 8 W

21 27

− 40.8

R Microscopii 203K29 est d 3,3 l

1 4 W

21 35

7 30

− 29.2

R R Capric 205627 est k 1 var

0 51 W

21 45

− 27.4

V Capric 210124 est L 1 2,5

0 51 W

21 50

− 24.2

Oct. 19, 1911

X Capric 210221 est 11.5
2243
141 W

1 48 W
22 48
−21.8

Z Capri 210516 est 10.4
2252
147 W

1 54 W
22 56
−16.5

T Capric 211615 est 9.7

8 56

1 45 W
22 58
−15.6

Y Capri 212814 est 10.8

1 34 W
23 01
−14.4

R Telescopi 200747 est 23 Var
2302
255 W

23 08
3 3 W
−47.4

Oct 19, 1911

204954 S Indi est (13.3) k 2 Var
2309
2 20 W

2 28 W
23 13
— 54.5

T Octantis 205782 est 11.3

23 22
2 34 W
— 82 W

S Microscopii 212030 est 9.3 l
2323
2 3 W

2 08 W
23 25
— 30.3

RR Aquarii 210903 Est. 10.1
~~232~~

2 25 W
23 33
— 33

RS Aquarii 210504 est 11.1

2 34 W
23 38
— 45

9 35

cf for C.

L.

Thurs Nov. 16, 1911

Brooks Comet Rediscovered by Mr Hinkley this am.

Est of brightness by eye (L.C.) =

16:10 γ Hydrae 5 Comet 0 α Corv.

Approx. R.A. 13^h. $-19^{\circ}.5$.

Tail approximately 1 to 1½ degrees long.

Thurs March ~~10~~ 14 1912

L.C.

9:30 Nov. Gem II eye est 4.2 Clear here.
9 30 " " " " Ft.2 4.1

est from AM 8021 = θ 2 Nova = 3.9
" " B+2942 = θ 2 Nova = 3.9
" " B+2943 = θ 0 Nova = 3.7 θ near edge of Plate.

Fri March 15, 1912

Enebo's Nova. LCOb

8 35 FKG. est 4.3 Through the clouds.

R

Sat. Mar. 16 1912

Nova Ewebo fainter FLG

10 30 a0 Nova 3 b est = 5.7

a = HR. 2572 5.76
b = HR. 2586 6.01

10 35 Nova 2 a FLG

10 48 Nova 1 a, 5 b FLG

11 32 Nova 3 a, 6 b region low FLG

11 50 R. Coronae est 6.4 FLG

Sun Mar 17, 1912
LC

Enebo's Nova FLJ.

10 30 (a 3,) 1 b through gaps in clds. 1/2 cert.

10 45 Nova 2 a, 5 b clearer now but alt. low

Moon Mar. 18, 1912

7 22	Nova Evebo Nova 2 9, 5 b	FEG	Hazy.

Wed. March 20, 1912

Nova Gem II (Enebo)

HL

8 46 2a, 5 b —

Mon March 25, 1912

LC. Obs

Enebos Nova

10 00 Nova 4a, F.G.

obs. diff & through gap in clds.

Sat March 30, 1912

Nova Enebo L.C. Ob

S08 a0, 4b H.G. Moonbright

Fri April 5, 1912

Nova Gem FEG

7 30 est ~~5.7~~ 6.1 (a 5.0 b) clds near.

Sun. April 7, 1912

L.C. Obs

Enebos Nova F.L.G.

7 00 b 1, 3 c at ~~F~~ 6.2

b = HR 2586
c = HR. +32 1433 =6.3? ~~*~~ just N of Nova.

7 05 α Orionis eye

~~β Orion~~

α Can Min 1 α Orion 2 β Orionis

Mon April 8, 1912

Cl Ob

Enebos Nova [illegible]

9 20 b 2,1 c ext 6.3

Fri April 12, 1912

PC Enebo's Nova

6 55 64.0C (6.5) FR

Sat April 13, 1912

LC.

Enebo's Nova.

9 10 b 2, 3 a (6.2)

Sun April 15, 1912

LC

8 07 Enebos Nova HL
b 4.0 c

Tues April 16, 1912

LC. Enebo's Nova. FG

L 30 c 2 Nova 5 d =(d = 32.1460)

Wed April 17, 1912

LC

Enebor Nova

7 38	~~[illegible]~~ c	0,5 d	+ [illegible]	.

Thurs April 18, 1912

Enebos Nova

7 32 co, 5d H.G

Fri. April 19, 1912

Enebo's Nova FLG. LC

7 40 b 4, 0 c, 5 d

Sat April 20, 1912

LC

Enebor Nova FEG

7 30 b5, c1, 5d

Sun Apr. 21, 1912

Nova Gem 1.Eg L C Ells

7 30 C 2, 3d

Tucson April 22, 1912

LC

Nova Gem — EG

7 50. C2, 3d

Tue Apr 23, 1912

EC

Nova Gem FEG.

7 30 a1, 4d

Used Apr 24, 1912

RC

Nova Gem. FG

7 32 – C 2, 3 d

Thur Apr. 2$\overset{5}{6}$, 1912

RC.

Nova Gem

7 48 C3, 3d

FEG.

Fri Apr 26, 1912

P C.

Nova Gem

7 58 C 3, 3d H G.

Sat. April 27, 1912

L.C. Obs.

Nova ~~Persei~~ Gemi II. F.E.

7 00 C 3, 2 d m. bright

Fri May 3, 1912

L.C.

Nova Gem II

6 45 ~~7 00~~ C 5, 3d ~~FG.~~

5" Equat.

R Leonis 094211 est. 5.0

7 13 9 42 / 10 12 / 0 30W — 10 00 / 0 18W +11.9 — 10.14 / 0 32W

+121

α Leonis at ST = 10.08

~~Ra~~ Ha = 0.8W

Dec +16.8

∴ H.A. Circle ~~Correct~~ .4m too large,

& corr. Decl Circle −4°.4

7 17 V Leonis 095421 est <11.5

10 18

0 23W

+220

~~W Leonis 10th~~ est 9.8

W Cancri 090425

7 38 10 20 / 1 16W — 10 29 / 1 25W

+260

May 31, 1912

S Pyxidis 090824 <11

7 45

1038

1 30W -25.0

10 45
1 51W

-239

7 42 X Hydrae 093014 est 11.5

sett
+6m
-1.0

10 35

1 5 W

10 43
1 15W
-134

~~RU Carinae 091365 est~~

S Carinae 100661 est

1246

2 40W -61.1

May 4 1912

Nova Gem. II H.D.

> oo C6, 2d

8" finder of 13"

RU Carinae 091365 est

12 17
3 4 W −65.8

Dome cannot be moved.

5" Equat.

e
RU Carinae 091365 est

12 38
3 25 W −65.0

Thurs June 6, 1912

P.C. Obs

Conj of Lutetia with Sats III & I

D

17 ~~08~~ 10 05 IV
06 I
08 III
09 Lut.
14 II

17 13 02 IV
04 I
06 III
07 Lut
10 II

17 18 11 IV
12 I
14 III
15 Lut
19 II

June 6, 1912.

18 09	15	I
	16	IV
	17	III
	18	Lunt
	22	II
18 35	21	I
	22	IV
	23.5	III
	23.5	Lunt
	29	II

D = 1m 12s slow of ~~Read~~ True S.T

Very high wind seeing too poor to observe corr. with I.

L.

JD 9566

Wed. June 12 1912

LC Ob 8" finder f1 3". JB Reds

6 47	093014	x Hydrae est. 11.2 -14.2	302w 12.28
6 58	094023	R.R. Hydrae est 10.3	12.48 -23.6 2.59w
7.2	094622	Y. Hydrae est 7.9	12.43 -22.5 2.59w
7 31	092962	R. Carinae est 8.2	13.12 -62.2 3.46w
7 42	092551	Y Velorum p.5 var.	13.24 -51.7 4.00w
8 4	091868	RW. Carinae f4,3h	13.44 -68.3 4.31w
8 7	091365	RU. Carinae b4,3f	13.48 -65.8 4.39w

June 12th 1912.

9566

8.12	094953	Z Velorum 0.5 var. variable v. faint.	13.53 -53.8 4.6w
8.18	095458	R.R. Carinae Est. 8.4	14.00 -58.5 4.06w
8.22	095563	R.V. Carinae N.4,00	14.03 -63.3 4.11w
8.24	100661	S. Carinae Est. 6.7	14.06 -61.2 4.03w
8.33	101058	Z. Carinae 94,3h	14.14 -58.3 4.06w
8.38	101153	W Velorum 0.5 var. very faint	14.19 -54.1 4.11w
8.42	1046.20	V. Hydrae Est. 8.0	14.23 -20.7 3.38w

June 12th 1912.

8 47	104628	R S Hydrae f4, 3Kp	14 28 -28 2 3 44w
8 56	110361	R. S. Carinae ~~var Lp~~ p 3 N	14 38 -61.3 3.37w
9.1	103270	R. J. Carinae σ 3 N	14.42 -70.2 4.14w
9.6	111661	R. S. Centauri f5, 3K	14.47 -61.2 3 32w
9.14	114441.	X. Centauri H2, 2h'	14.54 -41.2 3.13w
9.17	115058	W. Centauri K3, 1L	14 59 -58.9 3.12w

June 12, 1902

9566

	104814 W. Leonis		est <12.8	4.2 3W
9 29				+14.0 15 10
	S Leonis 110506		est 11.8	
9 32				4 10W 15 14 +6.1
	R Comae 115919		est 9.0	
9 37		15 05 3 16 W		3 22W 15 18 +19.0

L.

9569

Sat. June 15, 1912

LC Obs. 8" Finder of 13".

6.58	094211 12 40 2 58 w	R Leonis +12.2 3.5 w Est. 6.0 var. red	12.45 TA Rec
7.02	090425 12 47 3.43 w	W. Cancri Est. 12.8	12.49 +26.2 3.47 w TA Rec
7.05	095421 12 50 2.56 w	V. Leonis Est. 12.5	12.52 +22.2 3.02 w
7.09	093014 1253 3 23 w	X. Hydrae Est. 11.3	12.56 -13 8 3.28 w
7.15	090024 1257 3.57 w	S Pyxidis Est 11-0	13.02 -25.8 4.4 w

9569 June 15th 1912

7.21	120012	SU. Virginis Est. 11.5	13.08
	13 04		+13.1
	1.04 w		1.11 w
7.25	122001	SS. Virginis Est 7.8	13.12
	13.09		+1.5
	.49 w		0.56 w
7.28	123307	R. Virginis Est. 7.6	13.15
	13.13		+8.0
	.40 w		0.45 w
7.33	124606	U. Virginis Est. 9.0	13.20
	13 16		+6.3
	.30 w		0.37 w
7.35'	124204	RU. Virginis Est. 10.2	13.21
	1321		+5.0
	.39 w		0.43 w

June 15th 12

125705 R. S. Virginis est 8.1

1322

0 25 W

7 37

0 30W

1323

+6.3

120905 T Virginis est 10.8

1325

1 16W

7 42

1 23W

13 2~~8~~

−5.0

R Corvi 121418 est 11.9

1 21W

7 45

13 31

−18.2

Y Virginis 122803 est 9.5

1 10W

7 49

13 35

−3.5

8.3 U Centauri 122854 est 12.8 13.50

~~[illegible]~~

1340

1 12W

−53.8

1 25W

8.09	132422	R Hydrae Est. 9.2	13 55 −22.2 0.34 w
8.17	133155	R.V. Centauri 9 2, 5 B	14.04 − 55.6 0.36 w
8.22	133633	T Centauri Est 6.5	14.08 −33.0 0.33 w
8.27	134236	R.T. Centauri Est 3, 0 M	14 14 −35.9 0.34 w
8.32	134536	R.X. Centauri Est 5 var	14.18 − 35.8 w 0.33 w

June 15th 1912

8. 42 134677 T. Apodis 14.25
~~est~~ k^{5} 3, 2k^{6}
0 47W
-77.4

8 48 R Centauri 140959 est 6.8
1427
0 18
0 26.W
14 31
-58.K

8 53 RU Hydrae 140528 12, 3.9 14.40
-58.3
0.36W

130212 R. V. Virginis Est. 12.3
8.58 14.45
~~[illegible]~~
-12.2
1.48W

9.5 132706 S. Virginis Est. 11.3 14.50
1446 -6.3
1.19 1.27W

9572

Tues. June 18, 1912

8" Cooke

V Librae 143417 est 11.8 17:17

11 16 17 10

2 36 W 2:46 W

−16.8

S Lupi 144646a est 12.5

17 20 17 25

11 22

2 34 W −46.1 −45.8

Remark S – seen as only one star 2 40 W

V Lupi

145254 Est g 2, 3, R 17 30

11 27 17 26

2 34 W 2 41 W

−54.2

S Apodis

145971 est h 2, 4 k

11 32 17 31 17 35

2 32 W

2 41 W

−70.9

R Triang Aust. est 7.4

11 35 15 10 66 17 38

17 36

2 26 W 2 31 W

−65.7

Tuesday June 18 1912

R. T. Librae 1st

11 15 00 18 17

17 40

2 40 W W

abandoned fuse blew

9575

Fri June 21, 1912

L C Obs. 8" finder 13"

~~13 42~~ 7 39 S Librae est. 10.5 ~~7 26~~
15 15 20 1 23 E 11 ~~26~~ E
13 25 −20.6 ~~26 W~~
1 45 E 13 53 20.2

R. T. Librae
7 41 15 00 18 est 10.6 13.57
13 55 1 05 E
1 05 −19.2

R. S. Librae
7 49 15 18 ~~22~~ est 12.6 14 04
13 08 1 15 E
1 20 −22.4

R. U Librae
8 02 15 27 14 est 13.0 1 13 E
14 05 14 17
1 22 −15.9

W Librae 15 32 15
8 05 est 11.4 14 21
−16.7
1 13 E

Friday June 21 1912

	X Librae		
8 10	15 30 20 14 21 1 09 E	est 12.3	14 26 -21.7 1 06E
	U Librae		
8 16	15 06 20 14 27 1 09 E Remark <12.8	est <12.8	14 31 - 21.6 1 07 E
	Z Librae		
8 18	15 40 20 14 32 1 08 E	est 11.8	14 33 - 21.4 1 09 E
	R Librae		
8 22	15 47 15 14 34 1 03 E	est <12.8	14 38 - 16.8 1 12E
	R.R. Librae		
8 25	15 50 18 14 39 1 11E	est 12.2	14 41 - 78.9 1 11 E

Friday June 21 1912

R.Z. Scorpii

8 27 15 58 23 Est 11.8
14 42
1 16 E

14 4~~4~~3
− 24.8
1 17 E

Z Scorpii

8 29 16 00 21 est 10.4
14 45
1 15 E

14 44
− 22.2
1 17 E

X Scorpii

8 31 16 02 21 est 12.3
14 45
1 17 E

14 46
− 22.0
1 18 E

W Scorpii

8 32 16 05 19 est 03 N
14 46
1 19 E

14 48
− 20.5
1 20 E

RX Scorpii 16 05 24

8 36 14 49 est 13.0
1 14 E

14 51
− 25.3
1 16 E

Friday June 21 1912

	R Scorpii	16 11 22		
8 38	"	14 51	R = est 12.8	
		1 20 E	S = " 11.3	14 53 − 33.3 1 20 E
	W Ophiuchi	16 16 07		
8 41		14 54	est 10.3	
		1 22 E		14 56 − 8.2 1 21 E
	V Ophiuchi	16 21 12		
8 44		14 52	est 10.1	
		1 29 E		14 59 − 13.2 1 23 E
	Y Scorpii	16 23 19		
8 57		15 00	est < 12.0	
		1 23 E		1~~4~~5 12 − 20.2 1 13 E

13 09 S. T. At position angle 30 1/10 of cir. in on Planet Jupiter is a black spot; what is it?

June 21, 1912

T Ophiuchi 162815 est 11.6

−16.8

9 02

1 12 E

15 18

S Ophiuchi 162816

1524 est 11.0

8 12 1 04 E 15 27

−17.8

1 03 E

R.R. Ophiuchi 164319

9 20 1528 est 12.8

1 15 E 15 35

−20.1

1 10 E

R Ophiuchi 170215 est 11.7

9 22 15 38 15 37

1 26 E

−16.8

1 2~~7~~6 E

S.S. Ophiuch 165202 est L 12.5

9 26 1539 15 41

1 13 E

−3.3

1 13 E

Friday June 21 1912

R.R. Scorpii 16 50 30 est 11.1

9 30 15 44 15 46

1 06 E

-31.2

1 06 E

R.T. Scorpii 16 56 36

9 34 15 46 est 11.5

1 10 E 15 49

-37.4

1 09 E

R.W. Scorpii 17 08 33 est 11.8

9 37 15 50

1 18 E 15 52

-34.3

1 17 E

R.S. Scorpii 16 48 44 est 11.5

9 41 15 54

54 15 52

-45.4

0 53 E

RU Scorpii ~~16~~ 17 35 43 12.5

9 47 16 0 16 02

1 35 E 1 36 E

-44.4

C fa Cant.

9576

Sat. June 22, 1912

L.C. Obs. 8" finder f 13"

R Normae 15 28 49 ~~est~~

15 28
13 43
1 45

13 15
2 13 ε −49.2

1 39 ε

7 35 — est a' 3.5 f

−49.7

13 53

T Normae 15 36 5.4 est 11. d5.2e

13 55
1 41 ε −55.6

1 40 ε
14 00

7 42

−55.3

R Lupi 15 47 36 est 12.8

1 46 ε
14 06

7 48

−36.7

R Coronae 15 44 28 est 6.8

1410
1 34 ε +28.4

8 03

+27.7

1 25 ε
16 21

June 22, 1912

Z Coronae 153229 est 12.8

1422

1 30 E +29.2 +28.8

8 08

1427

1:27 E

R Serpentis 154615 est 6.7

1427

1 19 E +18.8 1 19 E

8 12 1430

+14.8

R Herc 160118 est < 12.5

1431

1 30 E +17.8 +17.7

8 42

1. 3 E

15 00

8.43 U Serp 160210 est 11.7 15.2

+9.5 8

1.3 6

8.47 R.U. Herculis 160625 Ed. 11.8 15.05

+24.7 8

1.3 6

HB Recd.

June 22. 1912

8.50 U. Herculis 162119 Est. 11.3 15.08
+18.2
1.15 E

8.52 S.S. Herculis 162807 Est. 11.8 15.10
15.08
1.20 E
+6.3
1.20 E

8.54 S. Herculis 164715 Est. 11.2 15.12
15.11
1.36 E
+14.9
1.37 E

8.56 Z. Ophiuchi 171401 Est. 8.7 15.14
15.13
2.01 E
+1.3
2.2 E

9.2 R.T. Herculis 170627 Est. 11.7 15 20
15.16
1.50 E
+26.4
1.49 E

Sat. June 22 1912

G.C. Obs. T. Red

9 4	R S Herc	17 17 23 15 21 1.56 E	Est. 11.4	15 22 +22.4 1.57 E
9 07	R U Ophiu.	172809 15 23 2.05 E	Est. 12.0	15 26 +9.0 2.4 E
9.10	R T Ophiu.	175111 15 26 2.25 E	Est 11.7	15.28 +10.3 2.26 E
9 12	R Y Herc	175519 15 29 2.26 E	Est. 9.9	15.31 +18.8 2.27 E
9.15	S V Herc.	182224 15 32 2.50 E	Est. 10.3	15 33 +24.1 2.51 E

Sat. June 22 1912

9.17 RY Herc 182225 Col. 12.0
15 35
+2 5.0
2 56 h

15 85
2 57 h

9.21 RY Oph. 181103 Col. 12.4
15 39
+32
2.35 h

15 86
2 35 h

9.24 T. Serpentis 182306 Col. 12.2
15.42
+5.6
2.44 h

15.40
2.43 h

9.26 X. Oph. 183308 Col. 8.6
15.45
+8.2
2.51 h

15 43
2.50 h

9.30 R. Aquilae 190108 Col. 8.0
15.48
+7.5
3.15 h

15.46
3.15 h

Sat. June 22 1912

9. 35 V. Lyrae 190529 Est. 12.7 15' 53

15 50
3.15 8 +28.8
3.14 8

9.39 S. Lyrae 190925 Est. 10.7 15' 57

15 53
3.16 8 +34.9
3.14 8

9. C for Cambridge Referred to here

Friday July 5 1912

9589

~~S V. Scorpii 17 41 35~~

~~17 41~~
~~15 07~~
~~2 34~~

L. C. Ab.

5" Equat.

R Sagitt 19 10 19 est 17.6

8 30 15 39

> 3 34 E
- 19.6

R. W. Sagitt 19 08 19 Est 11.3

9 10 16 19

R X Sagitt. 19 08 19 est < 11.8

9 11 16 20

S Sagitt 19 13 19 est < 11,8

9 13 16 2

July 5 1902

Z ζ Sagitt. 19 13 21 △

9 15 | Est < 11.6 | 16 23

~~δ Sagitt. 19 10 33~~

9 23 ξ Sagitt. ~~est~~ ~~16 32~~ 16 32

~~14 09~~

ϕ c −29.5 −30.1 +0.6

18 55 18 56 +01

2 23 E −29.5

γ Aquilae

9 25 | 16 33

8.6 8.9 −0.3

~~13 18~~ 19 48 19 46 −2

3 15 E +8.9

γ Scorpii

9 26 | 16 35

−24.3 ~~M~~ −26.2 +1.9

16 ~~18~~ 22 16 23 −01

0 13 W Tel W ~~+~~24.3

9 28 γ Pavonis | 16 37

−57.0 −57.0 0.0

20 15 20 18 −3

3 38 E −57.0

July 5, 1912

ζ Aquilae

9 30 16 39

+14.3 19 04
+13.7 19 1
+ 6 + 3

2 25 E
+14.3

γ Lyrae

9 32 16 41

+39.4 18 41
+38.7 18 34
+ 0.7 + 7

2 00 E
+39.4

~~γ Sagr.~~ Au. γ Oph.

16 43

+13.8 17 36
+12.6 17 30
+ 1.2 + 6

0 53 E
+13.8

γ Bootis

16 44

~~19 17~~
+19.1 14 11
+19.7 14 11
− 0.6 0 0

2 33 W Tel E
+19.1

α Serp.

16 45

+5.6 15 39
+6.7 15 39
−1.1 0 0

1.06 W
+5.6

July 5, 1912

β Librae

S.T. 16:47   1 38W   −10.0

15:09
15 12
− 3

−10.0
− 9.1
− 0.9

75%

Sat July 6, 1912

7.39	13" finder		
	S.V. Scorpii 17 41 85. 14 50 2.51 E	Est. h52l	14.53 -36.2 2.51 E
7.45	W Pavonis 17 41 62 14 54 2.47 E	Est. m5N	15.00 -62.9 2.45 E
7.48	U. Arae 17 45 51 15 00 2.45 E	Est. fo4g :	15.02 -52.3 2.46 E
7.52	R. Pavonis 18 03 63 15.03 3.06 E	Est 128	15.06 -64.1 3.2 E
7.55	R V Sagitt. 18 21 33 15.07 3.14 E Horn est. =13.3'		15.10 -32.2 3.14 E

July 6. 1912

S Cor. Aust. 185437 11.9 ~~15~~

15 10 8
3.44 6

15 13
-376

8 00 T Cor Aust 13.~~0~~3
R Cor Aust 12.4 3 44 E

R Sagitt. 191019 ext 12.3

8 05 15 15
3 55

3 52 E
15 18

-20.2

S Sagitt 191319 ext <13.5

8 08

3 53 E
15 21

-200

RW Sagitt 190819 = 10.8

8 10

3 46 E
15 23

-198

RX Sagitt 190818 = 12.6

8 11

15 24
3 45 E

-19.7

July 6, 1912

8 17 Z Sagitt 191321 Ed. 11.4 15 30
15 29 -21.8
3.44 ℓ 3.45 ℓ

8.20 R. J. Sagitt 191033 Ed 7.0 15 33
15 30 -37.3
3.40 ℓ 3.38 ℓ

8.27 S.W. Sagitt. 191331 k53k 15. 41
15 34 -32.4
3.39 ℓ 3.34 ℓ

8.34 T. Pavonis 193972 Ed. 12 6 15. 47
15 41 -72.6
3.56 ℓ 3.57 ℓ

8.38 S Pavonis 194659 Ed. 7.3 15 52
15 48 -59.8
3.58 ℓ 3.57 ℓ

July 6th 1912

8 41 RU. Sagitt 195142 15 55
Est. 7.6
15 53 −42.5
3.58 3.58

8.45 RR. Sagitt. 194929 15 59
Est. 12.4
15 56 −30.0
3.53 3.52

8 51 T Sagitt 191017 16.05
Est. 10.6
16 00 −18.00
3 10 3.07

8.58 W Aquilae 191007 16 11
Est 10.6
16.06 −8.0
3.04 2.59

Other var. (Star D) = 10.0

9.01 RS Aquilae 195308 16.15
Est. 11.8
16 12 −8.9
3.41 3.39

July 6th 1912

9.05 R.R. Aquilae 195202 16.18
16 16 — 2.9
Est 12.8 3 36 & 3.35 &

9. S.T. Sagitt. 185512 est 10.6 16.
16.19 2 36 ε
9.08 2 36 & 16 22
— 13 5

Z Aquilae 200906 Est 12.5
9 26 16 36 3 33 ε
3 33 ε 16 39
— 7.0

9.30 R Capric 200514 16 44
Est. 13.3 16 42 —15.3
3.23 & 3.23 &

9.38 W Cap. 200822 Est. .05 var 16.51
16 45 — 23.0
3 23 & 3.19 &

July 6th 1912

9.35'	R.T. Cap	20 11 21 16 48 3.23	Est 7.5	16 49 −22.2 3.23 E
9.41	R.U. Cap.	202622 16 53 3.33 E.	Est. <12.5 sky hazy	16.55 −22.9 3.32 E
9.44	U. Cap	204215 16 57 3.45 E	Est 12.6 var. faint sky hazy	16.58 −15.8 3.45 E.
9.48	V Cap	210124 16 59 4.02 E	Est <12.8	17.02 −24.9 4.01 E
9.54	T Aquarii	204405 17 03 3.41 E	Est. 9.0	17.07 −6.0 3.38 E

July 6, 1912

y Aquarii 203905 13.0

3 30 E

9 58 17 10

-60

L P.

Wed. July 10, 1912

L. C.'s 13" finder J. D.

R. S. Centauri 11 16 61 Est c 3 0 ~~c~~ d

7 36 M watch D watch 15 02

~~c 5 0 d~~ 3 49 W

-60.8

W Centauri 11 50 58

Est ~~c~~ e 3 ~~1~~ f

7 40 15 06

3 17 W

-58.2

X Centauri 11 44 41 Est ~~f~~ f 3 2 ~~g~~ g

15 07

7 44

15 10

3 ~~8~~ 28 W

-40.6

~~R Com Ber~~ ~~11 59 19~~ ~~est 8.1~~

11 59 19

Cluster

15 14

3 11 W

+19.6

R Com Ber Est 8.1

7 50

15 16

3 18 W

+19.9

July 10, 1912

S ~~H~~ Virginis 120012 est 12.4

3 30 W
8 01 15 28

+13.2

SS Virg 122001 est 8.1

3 13 W
8 04 15 31

+16

R Virg 123307 est 8.4

15 33
3 2 W
8 06

+8.2

U Virg 124606 est 10.3

8 10 15 36

2 52 W
~~+ 6.500~~
+ 6.5

12 42 04
RU Virg, ~~12 42 04~~ est 11.9

8 11 15 37

1 57 W
+ 5.5

Wed July 10 1912

R. T. Virg. 12 57 05 est 6.3

8 13 — 15 39

2 44 W
+6.3

T Virg. 12 09 05 est 9.6

8 16 — 15 43

3 35 W
-5.0

~~R Corvi~~ Y ~~R~~ Virg 12 28 03 est 10.1

8 18 — 15 45

3 18 W
-3.6

R Corvi 12 14 18 est 10.8

8 22

3 36 W
15 49
-10.0

R Hydrae 13 24 22 est 9.3

8 25 — 15 52

2 30 W
-22.2

July 10 1912

8 31	V Virg.	13 22 02	Est 12.5 15 37 2 37 W −2.1
8 38	R R. Virg.	13 39 08	Est 13.0 16 05 2 07 W −8.4
8 40	Z Virg.	14 05 12	Est 9.3 16 07 2 04 W −12.4
8 52	Z Bootis ~~Abandoned~~	14 01 13	Est 13.6 16 18 −
8 49	RS. Virg	14 22 05	est. 9.3 16 15 1 55 W +5.8

July 10 1912

	U Bootis	14 49 18	est 11.2
8 56			16 20
			1 32 W
			+18.6
	R Bootis	14 32 27	est 11.5
8 56			16 22
			1 51 W
			+17.6
	S Serp.	15 17.14	est 8.9
9 00			16 27
			1 12 W
			+16 0
	R. V. Virg	13 02 12	est < 13.5
9 05			16 31
			3 31 W
			-12.1
	S Virg.	13 27 06	11.8
9 09			3 10W
			-6 2

July 10. 1912

	V Librae	143417	est 12.0
9 11		16 36 2 2	16 39
			2 05 W
			- 16.8
	R.T. Librae	150018	est 10.0
9 15			16 42
			1 43 W
			- 17.7
	T Librae	150519	est 12.0
9 17			16 44
			1 42 W
			- 19.1
	Y Librae	150605	est Y = 12.5
9 22			16 49 L' = 12.3
			1 44 W
			- 5.2
	S Librae	151520	est 11.6
9 24			16 51
			1 38 W
			- 19.5

July 10, 1912

R S Librae 151822 est 11.7

9 28 16 54
1 37 W

−22.0

R U Librae 152714 est 11.5
16 57
1 30

9 31 1 31 W
16 58

−14.6

W Librae 153215 ? est < 13.8

9 34 17 01

1 30 W
−15.0

X Librae 153020 est 12.6

9 31 17 03

1 34 W
−20.2

July 13 1912 Sat.

9597 LC Obs. AP. Rec

13" finder

-54.0
2 42 W
15 07

U Centauri 122854 est 11.6
15 05
2 37 W

7 27

RV Cent. 133155 est a 3, 5 b
15 08
1 37 W

7 30

1 41 W
-55 8
15 10

U Octantis 131283 est n 3, 30

2 10 W

7 35

15 15

-83.7

T Cent. 133633 est 7.5
15 16
1 40 W

15 20

7 40

1 46 W

-33.1

R.T Cent 134236 ~~est 7.4~~ f 4 3h
est f 4 3h

7 44

15 24
1 42 W
-36.0

Sat July 13 1912

R.X. Cent. 13 45 36 est t5 var

7 46

15 26

1 42 W

−38.1

T Apodis 13 46 77 est. q.3 IV

7 50

15 30

1 48 W

−77.0

R. Cent. 14 09 59 est

7 55 Var. too bright
comp. stars too distant for estimate 15 35

R. U. Hydrae 14 05 28 est m3, in

8 02 A.P.Ob = l2, 3 m 15 42

1 38 W

−28.2

S Lupi 14 46 46 est. 12.5

8 17 S — seen only as one star 15 53

1 12 W

−46.1

Sat July 13 1912

Y Lupi 14 52 54

est 9.5 var

8 22 — 16 02

1 11 w

-54.5

S Apodis 14 59 71 — est 9.2 h

-71.4

825 — 16 05

R Normae 15 28 49 est m 5.0 n

16 06

0 38 w

0.46 w

8 32 — 16 11

-49.0

R Lupi 15 47 36 est est 11.2

16 12

0 25 w

16 15

0 30 w

8 35

-35.8

U Librae 15 36 20 est 117

16 17

8 37 — 0 42 w

-20 8

July 13, 1912

T Normae 15 36.5 -4 est a 9, 6t

8 40 — 0 46 W
16 20

-54.7

Z Librae 15 40 20 est 12.2

8 45

16 25

0 46 W
-20.6

R Librae 15 47 15 est 12.0

8 49 — 16 29

0 42 W
-15.8

R R Librae 15 50 18 est 9.0

8 ~~49~~ 51 — 16 31

0 41 W
-17.8

R Z. Scorpii 15 58 $\overset{2}{\cancel{1}}$3 est 9.4

8 52 — 16 32

0 35 W
-23.5

Sat July 13 1912

L Scorpii 16 00 21 est 10.8

8 56 16 36

0 37 W

− 21.3

X Scorpii 16 02 21 est 12.2

8 59. 16 39

0 38 W

− 21.2

W Scorpii 16 05 19 est 9.5 m

9 00 16 40

0 36 W

− 19.8

RX Scorpii 16 05 24 est. 12.8

9 03 16 43

0 38 W

− 24.6

R Scorpii 16 11 22 est

9 06 16 46

R = 13.2

S = 9.8

0 37 W

− 22.5

~~Sat July 13/1912~~

Monday July 15th 1912.

9s W. Ophiuchi 161607 13" Finder L.C. Obs.
W. Reed.

Est.

h Rope off wheel abandon.

5" ~~Equatorial~~

7 50 R Ophiuchi 170215 Est. 12.0.

17 15

15.9
17.0
1.1

15 37
1 38 E.
− 17.0.

Axis needs more adjusting

α Triangulae Australis

~~γ Normae 16 13 − 49.9~~

16 30
0 4 E.

★ below centre.

Moved N End slightly East

β Arae 17 18 −55.4

16 47 = 0.46 E centre
17 18 = 0.15 E above centre
17 49 = 0.16 W above centre
reset N End slightly W.

α Telescopii 18 20 − 46.0

17 55 = 0 3K E
18 20 = 0.09 E
18 45 = 0 16 ~~W~~ moved this little E

Tues - July 16, 1912

LC

5" Polar axis adjust

16 4 | 0 19 E. centre
~~16 13 0 10 E~~
16 22 | 0 1 E below centre

moved N end triple East

& Triang centre

16 26 0 30 E ~~centre~~
16 52 0 4 E slightly above centre.

9601

Wednesday July 17th 1912.

161607 w Ophiuchi

13" Finder

LC. Observer Est. 12.0

T. Recorder. 14.42.

6 53 1.35 E.

−8.4

162112 v Ophiuchi

Est. 10.7

14 47.

6 58 1 35 E.

−13.0

162815 T Ophiuchi

Est. 12.8

14 50

~~6 59~~ 1 39 E.

7.00

−16.8

162816 S Ophiuchi

Est. 9.4

14 52

7 03. 1.38 E.

−17.9

162807 S.S. Herculis.

Est. 10.3

14 56.

1 32 E

+6.5

Wednesday July 17th Continued.

16 21 19 U Herculis

Est. 12·8
15 03.
1 19 E.

+ 18·2

16 47 15 S. Herculis.

Est. 12·2
15 05.
4 41 E.

+ 14·2

17 06 27 RT. Herculis.

Est. 12·7
15 09
1 ~~2~~59 E.

+ 26·4

17 17 23. RS. Herculis.

Est. 12·2
15 11
2 07 E.

+ 22·4

17 28 09 RU Ophiuchi

Est. 10·0
15 18.
2 11 E.
+ 8·8

Wednesday July 17th Continued.

17 51 11	RT Ophiuchi.		Est. 10·9 15 21 2 32 E. +10·4
17 55 19.	RY Herculis.		Est. 12·2 15 24 2 32 E. +18·6.
18 11 03	RY Ophiuchi		Est. 11·0 15 29 2 42 E. +3·0
18 23 06.	T. Serpentis		Est. 12·3 15 32 2 53 E +5·8
18 33 08	X. Ophiuchi		Est. 9·2 15 34 3·00 E. +8·0.

Wednesday July 17th Cont.

18 22 24.	S.V. Herculis	Est. 9·1 15 38 2 44 E. + 24·1
18 32 25	RL Herculis.	Est. $1\overset{3}{\cancel{5}}\cdot 5$ 15 41 2 52 E. +25·2
19 05 29.	T. Lyrae.	Est. 12·4 15 44 3 21 E. +28·7
19 09 25	S. Lyrae.	Est. 9·6 15 49 3 20 E, +25·2
19 17 17	T. Sagittae	Est. 9·6 15 52 3 27 E. +16·8

Wednesday July 17th Continued.

19 29 28 TY Cygni

Est. 10.0
15 55

3 36 E.
+27.7

19 01 08 R Aquilae

Est. 8.1
15 58

8 03.

3 05 E.
+7.6

LP