KG
113665
763

1969phae.proj..764C

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1909phae.proj..764c

KE11365 . 763

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1909pASP..21..76H

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1969pnae.proj..764c

KB 11365.763

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1909phae.proj..764C

Mar. 5, 1909 Friday

L.C. Obs. D 8371 d'Polar

8371.5 W Gem 07 4922 est 11?
prob. the var was not seen
6 52

7 44 Moonlight but Var L.C. 0 57 E
surely seen.
+22.2

W T Tauri 041619 est 9.8 ✓

7 51 4 16
6 58
2 42 W
6 59
2 43 W
+19 3

RU Mon 064907 est Var faint

poor clds

8 30 bec cldy with moon

2 L.P. 8 5-6
— 91
170

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1909phae.proj..764C

(Stat) Mar 6, 1909

LC Obs. J.D. 8372 8' Polar

8372.5 RW Mon 06h08m et 12 var ✓

8 2 fol. comp assumed as Rev

7 14
0 43W

+8.7

RU Mon 06h07m et 6'42d 5d ✓

8 4

7 16
0 26W

-7.6

X Aurig 06h58m et D.O ✓

1 16W
7 18

8 6

+5.0

S Lyncis 06h55m et <11.A ✓

7 21
0 47W

8 9

+5 7.8

8372.6 RZ Aurig. 05h42m31 et e4.49 ✓

1 43W
7 26

5- 40 +31 5
7 22
1 42W

8 14

+31.4

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1909phaq.proj...764C

Mar 6, 1909

8372.6 X Persei 07 28 20 a est A0 ✓

8 17

7 29
0 1 w

−2 0 7

RW Tauri 05 55 29 est b1, 2c' ✓

7 34
1 39 w

8 22 a 5 b 3 b c' 4 d 3 e 5 e' 6 f

+2 3.1

Z Aurig 05 3 3 3 est 9.0 ✓

1 43 w
7 36

8 24

+5 3.2

W Tauri 04 21 5 est

4 21
7 37
3 16 w

60" cuts off

RR Tauri 05 33 26 est 11.0 ✓

8 27

7 39
2 6 w

+2 6.0

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1909phae.proj..764C

Mar 6, 1909

8372.6	05 21 42	~~ext~~	ext 9.8	✓
		by Aurigae		7 41
8 29				2 20 m
				+42.1
	06 43 33	R X ~~Gem.~~	ext c 2, 2 d	✓
				7 44
8 32	6 43 + 33.0			1 1 m
	a 4 a's f 3 c 4 d			+32.9
	RW Mon	06 28 8	h 5, 3 k	✓
				7 49
8 37	6 28 7 48 1 20 m			1 20 m
				+8.6
	RW Mon	06 49 07	ext c' 4 y 1 d's d	✓
				7 55
8 38				1 1 m
	~~c's d's~~			
	~~b~~ 3 c' 5 d' 5 d			-7.6
	W Gem	06 29 15	ext 6.5	✓
				1 26 m
8 43	6 29 7 54 1 25			7 55
				+15.2

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1909phag.proj...764C

March 6, 1909

8372.6 T Monoc 061907 est 6.5 ✓

8 45

7.7
1 37 w
+7.0

R Y Gem. 072+15 est a' 2.5 b ✓

8 49 a+4 a' 6 b 4 c 6 d

8 1
0 40 w
+15.7

S Pyxidis 090024 est 9.0 ✓

8 52

8 4
0 55 E
-24 8

V Hya Maj 090+1 est 10.0 ✓

8 54

8 6
0 54 E
+0-12

γ Leonis 093126 est

Too near full moon
to see this region well.

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1909phae.proj..764C

Mar. 6, 1909.

~~W Ursæ Maj~~

8372.6 W Ursæ Maj 09 36,6 est 8.0 ✓

8 57 0 1 2KE 8 .9 +56.1

R Leonis 09 42,1 est 8.6 ✓

8 59 1 3 1E 8 11 +11.7

9 00 Sky = 1 (slight haze about)

V Leonis 09 54,1 est 9.6 ✓

9 2 1 40E 8 14 +21.6

RW Mon 06 28,8 est h 3.4 k ✓

9 4 6 28 8 16 1 48 W 8 16 1 47 W +8.8

RU Mon 06 49,7 est c'4, 1d'5-d ✓

9 6 d 3 e 3 f 4 g 8 18 1 27 W -7.6

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1909phaq.proj...764C

Mar 6, 1909

8372.6	R Mon	06 33 08	est 11.6	
9 11				

α 23
1 49 W
+ 2.6

L. P. 8.

23	879
1	92
17	184

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1909phae.proj..764C

(Monday) March 15, 1909.

Reappearance Jupiter I. Cattell Obs.

Cattell's watch 48 sec. fast at 7.12 P.M.

Telescope wrongly set. Could not find Jupiter

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1909phag..proj..764C

(end.) March 17, 1909.

Reappearance of Jupiter II Catterall Obs. & Rec.

Catterall's watch 48 sec. fast at 10.35
Satellite suspected at 10:59:30
Jupiter II Reappeared at 10:59:50 P.M. Cat. seen.

Catterall's watch 48 sec fast at 11.05

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1909phae.proj..764C

March 18, 1909.

Catterall Obs.

R. Can Maj. 07 14 15 est a 3, 2 c fg. 9.13

~~9.1~~
9.14

7 gem. N.E. est = μ gem 3 v 3 L gem.

10.15

10.14

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1909phag.proj..764C

Sunday March 21, 1909.

L.C. Obs. 8387 8" Plan.

8387 7

U. Coloriae ~~151831~~ 151432 est 8.3

12.03

17 03 3MI

12.15
2.58e

+31.9

S Coloriae 151731 est. 8.0

12.01

12.13
3.03e

+31.5

RX Vig. 115905 est 8.0

12.0 −5.2
12.16
0.16e

12.18
0.18W

−5.4

R.W. Vig 120206 est. 7.0

12.2 −6.2

12.20
0.17W

−6.4

R Corvi 121418 est 9.2

12.21
0.6W

8387 7

−18.9

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1909phae.proj..764C

March 21, 1909.

8387 ✓ S.S. Virg. 122001 est. 6.8 ✓
12.22
0.2w
+1.0

T. Can Ven 122532 est 10.4 ✓
12.24
0.1e
+31.5

R Virg. 123307 est 7.5 ✓
12.26
0.8e
+7.1

R.T. Virg 125705 est 9.0 ✓
12.27
0.3le
+5.5

W. Virg. 132002 est. 9.6 ✓
12.29
0.3le
−3.0

8387 ✓

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1909phae.proj..764C

March 21, 1909.

8387 7

S. Virg. 132706 est 8.7 ?
look at again

12.33
0.54e
−7.2

R. CanVen 134440 est 12.0

12.35
1.08e
+39.8

R. Hydrae 132422 est. 9.0

12.38
0.46e
−22.8

12.26

8387 7

Disappearance Jupiter ~~4~~ IV Campbell Obs
" Roe

Watch N. 15 sec slow at 12.37
Catterall's watch 8 sec slow at 12.37

Watch N used Large Low power eyepiece used
IV very near to Jup

12 50 15 near
12 51 27 "
12 52 40 "

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1909phae.proj..764C

March 21, 1909

Dis. Sept IV

12	53	32 Sat. still seen
	54	28 " " "
	55	10 " " "
	56	03 " " "
	57	10 " " "
	57	50 " " "
	58	56 " " "
	59	58 " " "
13	00	43 " " "
	01	45 " " "
	02	50 " " "
	04	00 " " "
	05	02 " " "
	6	00 " " only
	6	32 Sat not certainly seen
	7	04 " " " "
	7	36 " " " "

Mars at N = 15° 4 from ☆ at 13:21:00 E.M.T.

Obs. very difficult especially after 13:5:02. Sat probably disappeared at 13:6:00±.

8387 8

13 14

U Coronae 15 14 32 est S.A.

L.O. P.V.

13 : 26

1 46E

14 89 92

= 187

+31.9

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1909phae.proj..764C

Wed Mar 24 1909

LC Obs. 8"

Tried new mirror (Common) on ~~Obscope~~. Aught to work alright.

The Director also ~~tested~~ ~~the~~ mirror with ~~the~~ same.

LO.

Tuesday for ~~obs~~ work

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1909phae.proj..764C

Mon. Mar 29, 1909

8895 6

The telescope now has the
a a Common 16" ± flat
mirror in it for reflecting
the sky in.

L C.

R Leonis 09 42 11 est 9.0 S.C.C. Obs.
est 8.9 L.C. Obs.

10 25

11.08
1 27 W

+ 11.5

Copied from S.C.C.'s Record Mar 29, 1909.

L P.P.

≃C 1 894
– 92
– 187

S.C.C. 1 1

Watch A = 11:44:45 at 11:02:00 B.394

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1909phae.proj..764C

Mar 29, 1909

Reap Jupf. I L.C. Obs. Boc

12:00:10 Jupf I reap.:.
2d reap at 11:17:23 E.M.T.

Large field eyepiece used.

Watch A= 12:06:48 at 11:24:00 B394
" A 12 07:48 at 11:25:00 "

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1909phae.proj..764C

Wed. Jan. 31, 1909

δ'' Polar D. 8397

8397 5				
8397.5	R Lyrae	065353	est 9.8 Redasser	L.C. Obs. V 8 22 1 31 W +55.2
7 31				
	W Monoc	064907	est 10.4	L.C. Obs. V 8 24 1 36 W -7.4
7 33				
	RU Mon	065 ~~08~~ 07	est 6.3 d'	L.C. Obs. V
7 36				8 27 1 37 W -7.5
	Y Monoc	065111	est 12.2	L.C. Obs. V
7 ~~38~~ 39				8 30 1 37 W +11.2
8397 5	X Monoc	065208	est. 8.9	L.C. Obs. V 8.33 1.40 W -9.2
7 42				

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1909phae.proj..764C

March 31, 1909.

8397 5	R. Can. Min	070310	est 8.4	Lo.C.Obs. c
7 44				8.35
				1.31W
				+9.8
	S Gem.	073723	est. 9.6	Lo.C.Obs. c
8 7.46			est 9.4 S.C.C. Ob.	8.37
				1.00W
				+23.4
	V Cancri	081617	est 9.1	Lo.C.Obs. c
8 07			est 9.0 S.C.C.Obs.	8.58
				0.43W
8397.6				+17.2
8397 6				
8.38	R. Leonis	094211	est. 9.2 S.C.C.Obs.	c
			est u 3,3y H.C.Obs.	9.49
			est. 9.2 Lo.C.Obs.	0.7W
				+11.6
8397 6	R. Leo Min.	093934	est 10.2 Lo.C.Obs.	c
9 13			est 10.1 S.C.C.Obs.	10.04
				0.25W
				+34.6

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1909phae.proj..764C

Jan. 31, 1909.

8897 G

R Cowi 121418 est 8.3 H.E. Obs. ✓
est. 8.3 L.C. Obs. 10.40
est. 8.3 S.C.C. Obs. 1.35 2

10.10

−18.8

R Booths 143227 ✓

11:26
3:8 E

est 7.2 L.C. Obs.

10 33

est 7.6 S.C.C. " 51

+2 6/10 X.P

Lc { 12 906 L.P.
= 92
= 187
SCC = 6 − 7
H.E. 2 − 2

8897 G

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1909phae.proj..764C

Thurs Apr. 1, 1909

A" J.D. .839 d

8398 S Gem 073723 ~~est~~ 9.6 S.C.C. obs.
est 9.7 H.E. obs.
est 9.6 L.C. obs. 9 54
2 18 W
+ 2 35

8398 6 9 18 R. Corvi 121418 est. 8.0 H.E. obs.
8.1 S.C.C. " 10.13
2.02 e
-19.0

8398 6 9 37 R Lecnis 094211 (9.4 S.C.C. Obs.)
9.3 H.E. obs. tr.
10 32
(49 0) W
+11 6

Moon near and toward sun.

8398 6 10 05 R Bootis 143227 est 7.3 S.C.C. Obs
est 7.5 H.E Obs
11 0
3 32 E
+27.2
L.B.

LC (1 9.07 / 2 9.2 / 3 9.7 L.P.P.

S.C.C. 4 11
H.E. 4 6

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1909phae.proj..764C

Friday April 9, 1909

8406 5

8" Polar ⊙ 8406 DCOh

RU Monoc. 06 4 07 — dl 1, 5d — V

b-5c, 1c, 5d', 5d, 4e, 5f, 19

7 21 — 6 49 — −7.6 — 9 07 — 2 17 VV

9 05

2 16 VV

−7.6

R.R. Tauri 053326 — 10.0

7 48 — 5 33 — +5.5 — 9 14 — 3 40 VV

9 12

3 39 VV

+26.3

U Orionis 054920 — 10.8 — star q = 11.2

7 50 — 5 47 — +20.2 — 9 16 — 3 25 VV

9 15

3 28 VV

+19.8

U. Aurigæ 053531 — 10.3

7 52 — 5 33 — +31.8 — 9 18 — 3 42 VV

9 17

3 44 VV

+31.5

Z Aurigæ 055353 — 7aa for by

7 54 — 5 50 — +53.5

9 20

3 30 W

8406 5

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1909phae.proj..764C

April 9, 1909

8406 5

	V. Monoc. 061702		11.8	✓
				9 23
7-56	6 18	−2.5		3 05 W
	9 21			
	3 03 W			
				−2.2
	R Monoc	063308	10.9	✓
				9 24
7-58	6 33	+8.8		2 51 W
	9 23			
	2 50			
8406 5				
				+8.7
	R Comæ 081112		10.2	✓
				9 57
8-31				1 45 W
8406 6				
				+11.8
	S. Com. Min. 072708		9.9	✓
				10 0
	7-20	+8.5		2 33 W
8-34	9 58			
	2 38 W			
				+8.4
	J. Com. Min. 072811		12.1	✓
				10 03
8-37	7 29	+11.8		2 34 W
	10 01			
	7 32 W			
8406 6				
				+12.0

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1909phae.proj..764C

Friday april 9, 1909

	U Cam Min.	073508	8.9	V
8406 6				10 05
	7 36	+8.6		2 29 VV
	10 03			
8-39	2 27 VV			
				+8.4
	W Cancri	083019	10.2	V
				10 6
	8 31	+19.2		1 36 VV
8-40	10 06			
	1 35 W			
				+18.9
	J Cancri	085120	9.4	10 08
				1 17 VV
	8 51	+20.2		
8-42	10 07			~~10 08~~
	1 16 W			
				+20.2
	R.A. Hydri	082405	8.4	V
	8 25	−5.5		10 9
8-43	10 08			1 45 VV
	1 43 W			
		090024		−6.0
	S. Bzpioli	~~000000~~	10.0	V
				10 12
8-46	8 58	−25.0		1 12 VV
	10 10			
8406 6	1 12 W			−24.8

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1909phae.proj..764C

8406 6

Friday April 9, 1909.

	γ Hydrae	094622	7.1	✓
8-48	9 46	-22.6		10 14
	10 13			0 27 W
	0 27W			
	V Hydrae	104020	9.3	-22.5 ✓
8-51	10 47	-20.7		10 17
	10 15			0 29 E
	32E			
	S Leonis	110506	10.7	-21.0 ✓
8 57	11 04	+6.2		10 23
	10 18			0 42 E
	46E			
	Sky = 0 at		9 00	+5.7
	SS Virginis	122001	7.0	✓
	18² 20	+1.3		10 26
9-00	10 25			1 54 E
	1 55E			
	T. Com. Ven	122532	9.6	+1.2 ✓
9-01	12 25	+32.0		10 27
	10 26			1 56 E
	1 59E			

8406 6

+32.0

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1909phae.proj..764C

Friday April 9, 1909

8406 6

	Or X Virginis	115905	8.0	✓
				10 29
	12 00	-5.2		1 30E
9-03	10 28			
	1 32E			
				-5.2
	Or W Virginis	120206	7.3.	✓
				10 30
				1 32E
9-14				
				-6.4
	Or Virginis	123307	7.8	✓
				10 32
9-06	12 33	+7.5		2 00E
	10 31			
	2 02E			
				+7.5
	Or Comae	115919	<12.4	✓
				10 35
	11 59	+19.3		1 24E
9-09	10 33			
	1 26E			
				+18.4
	Or Y Virginis	125705	9.0	✓
				10 36
9-10	12 56	+5.0		2 21E
	10 35			
	2 21E			

8406 6

+5.7

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1909phae.proj..764C

Friday April 9, 1909

8406 6

	Gr. N. Virginis	124204	12.4	⌐
				10 39
9-13	12 42	+4.7		2 02E
	10 37			
	2 05 E			
				+4.7
	Gr Hydrae	132422	8.9	⌐
				10 42
	13 24	-22.8		2 40E
9 16	10 40			
	2 44E			
				-22.7
	Gr Bootis	143227	7.8	⌐
				10 45
	14 33	+27.2		3 47E
9 18	10 43			
	3 50E			
				27.2
				~~7.8~~
	S Virg	132706	est 11.5	20.0 02 ⌐
				11.26
				2.01e
10-00				
				-6.6
	W Virginis	132002	est. 9.2	⌐
				11.28
10-02	13.21	-2.8		1.52e
	11.27			
8406 8	1.54e			-2.8

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1909phae.proj..764C

8406 6

April 9, 1909.

	Z. Bootis	140143	est. 11.3	✓
				11.31
	14.01	+14.5		2.30e
10-05	11.29			
	2.32e			+13.8
	V. Bootis	142539	est 8.5	✓
				11.33
	14.26	+39.00		2.51e
10-07	11.31			
	2.55e			+39.2
	N. Bootis	144918	est 11.0	✓
				11.36
	14.50	+18.1		3.18e
10-10	11.34			
	3.16e			+18.5
	R Serpentis	154615	est. 11.4	✓
				11.38
	15.47	+15.4		4.06e
10-12	11.37			
	4.10e			+15.7
	Z. Virginis	140512	est. 12.2	✓
				11.40
	14.05	-12.8		2.25e
10 14	11.39			
	2.26e			-12.9

8406 6

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1909phae.proj..764C

8406 6

April 9, 1909.

S. Mus. Major 12 3961 est. 7.8

12.39 +61.6
10 - 19 11.41
0.58 e

11.45
0.55 e
+61.0

Mrs. Major 12 3160 est 11.5

10 - 18

11.44
0.44 e
+60.0

RU Herculis 160625 est < 12.0

10 - 22 16.06 +25.9
11.46
4.20 e

11.48
4.16 e
+25.4

N Herculis 162119 est 11.6

16.17 +19.5
10 - 29 11.48
4.29 e

11.51
4.28 e
+19.1

~~est.~~
37 944
Ec. 2 94
7 194

L. P. P.

8406 6

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1909phae.proj..764C

Saturday April 10, 1909.

J.P. 8407 8" Plan.

8407 5 R Leonis 094211 est. 9.2 Cotterill Obs. V

9.36
0.06 e
+11.7

9.42 +11.9
8.06 9.26
0.16 e

R Bootis 14.3227 est. 7.6 Cotterill Obs. V

8407 6

10.15
4.18 e
+27.2

14.32 +27.2
8-45 9.43
4.49 e

ζ Geminorum 073723 est.

7.37 +23.7
10.24
2.47 w

Abandoned

R Virginis 123307 est 7.4 L.C. Obs.

11 29
1 32

10 0

+12

8407 6

1 9455
— 94 L.P.
— 194

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1909phae.proj..764C

Sunday April 11, 1909.

J. D. 8408

Reappearance of Jupiter ~~I~~ II
8" Low power. [H. Edmonds Obs. Rec.]

Watch N 20 sec. fast at 7-32-00
first seen at 8-04:40 Watch N
Watch N 21" fast at 8-23-00 E.M.T.

∴ Sat II reap. at 8:4:20 E.M.T.

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1909phae.proj..764C

Friday, April 23, 1909.

S.C.C. Obs. 8" Polar.

R. Can. Maj. 071415 est S.C.C. Obs

6 420

7.20 −15.0
11.15
3.55 W Cut off by trees.

R. Leonis 094211 est 9.2 S.C.C. Obs. ✓

9.42 +11.9
17.27
1.45 W

9.13

11.35
1.54 W

+11.5

R. Virginis 123307 est 7.2 S.C.C. Obs. ✓

12.33 +7.5
11.39
0.54 e

11.51
0.41 e

+7.5

Or. Leonis 094211 9.5 H.E. Obs ✓

11.9
9 42 +~~5~~3
12 05
2 23 W

2 35 W
12 17

+11.7

Or. Comi 121418 8.0 H.E. Obs. ✓

6 420

12 14 −18.7
12 22
08 W

13 00 W
12 28

−18.7

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1909phae.proj..764C

April 23, 1909

R Bootis 143227 H.E. Obs

14 33 +27.1
12 23
2 10 E

Not identified

6
9420

S.C.C. 2 - 13 L.P.P.

H.E. 2 - 8

R.C. — 945
— 94
— 194

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1909phae.proj..764C

Monday April 26, 1909

A.C., Obs. 8" J. D. 8423

8423 7	δ Hydrae	132422	9.4	✓ 0-39W ~~13-81~~ 14-03 -22.8 ~~-22.0~~
~~11-29~~ 11-29				
	V Librae	143417	11.5	✓ 0-28E 14-05
11-32				
	V Coronae	154639	9.4	-17.6 ✓ 1-38E 14-07
11-34				
	Z Coronae	5 15 22 29	12.0	+39.8 ✓ 1-43E 14-08
11-35				
	δ^2 Herculis	160150	8.5	+29.7 ✓ 1-46E 14-10
11-37				
				+50.8

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1909phae.proj..764C

april 26, 1909.

8423 7	α Hercules	160118	11.4	✓ 1-48 E 14-13
11-39				+18.6
	ν Serpentis	160210	12.0	✓ 1-47 E 14-14
11-41				+10.2
	W Coronae	161138	8.8	✓ 1-52 E 14-16
11-43				+37.7
	S.S. Hercules	162807	8.8	✓ 2-09 E 14-18
11-45				+7.0
	W. Hercules	163137	11.3	✓ 2-10 E 14-19
11-46				+37.6

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1909phae.proj..764C

April 26, 1909.

8423 7 S. Herculis 164715 < 12.2 ✓

2-25E
14-21

11-47

+15.0
✓

S.V. Herculis 165631 < 12.2

2-32E
14-22

11-49

+31.4
✓

S.T. Librae 150018 11.4

0-35E
14-25

11-52

-18.4

T Librae 150519 12.1 ✓

0-39E
14-27

11 53

-19.6

Y Librae 150605 8.0 ✓

0-39E
14-28

11-54

-5.8

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1909phae.proj..764C

April 26. 1909.

8423 7	S Librae	15 15 20	11.5	✓	0-44E 14-31
11-58	15 12 14 30 0 42E				-20.1

Sky. = 0 at 12-00

See pages 123-125 of book ~~XI~~ No 5 for other records

[illegible] Scorpii	16 11 22a		a invisable <12	✓	1-06E 15-06
12 32					
S Scorpii	16 11 22 b		10.9	✓	-22.8 1-06E 15-06
12-32					
ν Ophiuchi	16 21 12		10.2	✓	-22.8 1-14E 15-10
12-37					

-12.4

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1909phae.proj..764C

April 26, 1909

8423 7	T. Orionis	162815	10.2	✓
				1 – 16 E
				15 – 13
12 – 39				
				– 16.0
	S Orionis	162816	< 11.8	✓
				1 – 15 E
				15 – 14
12 – 40				
				– 16.9
	O2 Orionis	170215	< 12.0	✓
				1 – 47 E
12 – 42				15 – 16
				– 15.6
	Z Orionis	171401	11.8	✓
				1 – 56 E
12 – 44				15 – 18
				+ 1.6
	O2 S. Herculis	171723	8.7	✓
				1 – 28 E
12 46				15 – 19
				+ 23.0

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1909phae.proj..764C

april 26, 1909.

8423 7	α Aurigae	172809	10.4	✓ 2-07E 15-21
12-47				+9.6
	α Aurigae	174406	11.3	✓ 2-23E 15-22
12-48				-6.9
	α Aurigae	175111	9.1	✓ 2-29E 15-23
12 49				+16.2
	α Herculis	175519	9.0	✓ 2-30E 15-24
12 50				+19.5
	α Herculis	170627	11.9	✓ 1-40E 15-25
12-52				+27.0

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1909phae.proj..764C

April 26, 1909

8423 7	T. Herculis	180531	8.6	✓
				2 - 35E
12 - 54				15 - 27
				+30.8
8423 8	RZ Ophiuchi	181107	8.6	✓
				2 36 E
13 - 00				15 34
				+3.6
	W Aquilae	181136	10.6	✓
				2 34E
				15 36
13 - 03				
				+36.4
	SV Herculis	182224	10.8	✓
				2 - 43E
13 - 04				15 - 37
				+25.2
	T. Serpentis	182306	< 12.0	✓
				2 43E
13 - 07				15 - 40
				+6.0

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1909phae.proj..764C

April 26, 1909

8423 8		Or Z Herculis	183225	< 11.8	✓
					2 - 48 E
					15 - 42
B 08					
					+ 26.2
		χ Ophiuchi	183308	6.5	✓
					2 50 E
					15 43
13 - 09					
					+ 8.7
		Or 3 Lyrae	184134	< 12.0	✓
					2 54 E
					15 44
13 - 11					
					+ 34.6
		Or W Lyrae	184243	< 12.0	✓
					2 56 E
					15 45
13 - 12					
					+ 43.6
		Or South	184205	6 - 8	✓
					2 55 E
					15 46
13 - 13					
					- 5.8

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1909phae.proj..764C

April 26, 1909

8423 8	Z Lyrae	185634	9.5	✓ 3-08E 15-50
13-16				
				+35.0
	R.J. Lyrae	185737	<12.0	✓ 3-07E 15-53
13-19				
				+37.4
	S Lyrae	190925	10.5	✓ 3-11E 15-55
13-22				
				+26.4
	R.S. Lyrae	190923		✓
		Abandoned		
	R Aquilae	190108	11.2	✓ 3-01E 16-01
B 37				
				+8.0

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1909phae.proj..764C

april 26, 1909

8423 8 | 7 Signi | 172928 | 10.7 | ✓ | 3 21E 16—08 | +27.6

13-34.

χ | ~~χ~~ Cygni | 194632 | 6.5 | ✓ | 3 25E 16 18 | +32.6

13-44

α 7 Signi 194048

Moisture on object glass prevents further observation.

L.C. 45 — 990 (9 289)
14 — 108
— 194

L. P. P.

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1909phae.proj..764C

Wed April 28, 1909

8" Polar H.E. Ob.

8h-53'-57

Watch N = 4 sec. slow at 8:31 E.M.T.

Jup. 1h went at 8:45 E.M.T.

Dec +11.1°

.2 ⊖ . K III .4 .1

Sat III reap at 8-53:57 watch N

∴ corr E.M.T. = 8:54:04.

Possibly Sat reap a few seconds earlier according to H Edmunds recollection.

Large. Low power eyepiece used.

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1909phae.proj..764C

Wednesday May 5, 1909

8" Polar. H. E. Obs. J. R. : 8432

Watch N used = 12 sec slow at 9:25:00

Jup. Sat III Disap. at 9h-41'-52" Watch N.

Watch N used = 12 sec slow at 9:45:00

∴ Sat Dis. at 9:42:04 Cor. E. M. T.

8" Polar large low power eye-piece.

Ledgered to date

Posted to date

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1909phae.proj..764C

Saturday, May 8, 1909.

8 "Polar. J.D. 8435

8438 6

S Coronae 15-1731 est. 8.1 S.C.C.lbs. ✓

12.03
3.10 e
+31.8

15.16 +32.0
8.43
11.50
3.26 e

R Virginis 123307 est 8.6 S.C.C.lbs ✓

12.19
0.10 e
+7.3

12.33 +7.~~32~~ 0
12.07
.26 e

R Bootis 143227 est. 9.5 S.C.C.lbs. ✓

12.39
1.50 e
+26.7

14.32 +27.2
12.27
2.05 e

R Cor[illegible] 121418 est 9.8 L.C. lbs. ✓

L3 1X
1 00 ~
-18.9

9 5-3

8435 6 R Bootis 143227 est 9.7 L.C. 7
1 13 2

9 9.7 14 L.C. 3 ~~291~~ 8 1 2.P. 13 18
108
194

S.C.C. 3 16 2.P. +26.9

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1909phae.proj..764C

Tues. May 11. 1909

L.C. Obs. of "Polar" J.D. 8438

8438 6	Gr Leonis	094211	16.0	← 11 40 1 58 W
	Stay at 7.40 = 0			
				+11.2
	3 Hydrae	094622	7.0	← 11 41 1 55 W
	V Hydrae	104620	10.5	−22.6 ← 11 45 0 58 W
	W Leonis	104814	9.8	−20.8 ← 11 46 0 55 W
	S Leonis	110506	12.0	+14.2 ← 11 48 0 42 W
8438 6				+6.1

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1909phae.proj..764C

May 11, 1909.

8438 6	α X Virginis	115905	8.0	✓
				11 49
				0 11 E
				−5.3
	α Corvi	121418	7.7	✓
				0−23 E
				11−51
				−18.9
	α Virginis	123307	8.3	✓
				12−03
				0 30 E
				+7.6
	T Corvi	085120	8.8	✓
				12−04
				3 14 W
				+20.4
	N Virginis	124606	10.0	✓
				12−06
				0 40 E
8438 6				
				+6.0

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1909phae.proj...764C

May 11, 1909.

8438 6

α N. Virginis	124204	10.8	← 12 08 0 −34E
β Boötis	143227	10.4	+4.9 ← 12 09 2 −22E
S Coronae	151731	9.0	+27.1 ↙ 3 05E 12 11
β W Virginis	120206	7.5	+31.9 ↙ 12 12 0 10N
SS Virginis	122001	7.8	−63 ↙ 12 13 0 06E

8438 6

+1.1

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1909phae.proj..764C

May 11, 1909

8438 6 T Can Ven 12 25 32 9.6 ✓ +31.7 ✓

12 14
0 10E

T Mrs Maj. 12 31 60 9.1 ✓ +60.0 ✓

12 16
0 12E

S. Mrs. Maj. 12 39 61 8.3 ✓ +61.4 ✓

12 18
0 17E

B Can Ven 13 44 40 12.0 ✓ +39.8

12 19
1 23E

~~V Cancelli 501~~ ~~+5 46 39~~

12 03
8 43
3 20

12 30
3-25
9-05

~~T 32~~
~~3~~
~~9~~ 1

8438 6

12 32.5 sidereal = 9-00 mean

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1909phae.proj..764C

May 11, 1909.

8438 6 V Coronae 154639 9.8 ✓
12 24
3 20E

+39.8

ζ Coronae 154536

Abandoned
Stry = 0 at 9-00

β Serpentis 154615 8.7 ✓
12 -35
3 10E

+15.5

Z Coronae 155229 12.0 ✓
12 37
3 23E

+30.0

β Herculis 160118 10.8 ✓
3 21E
12 40

8438 6

+18.5

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1909phae.proj..764C

May 11, 1909

8438 8

BZ Her. 160150 8.8 ✓
12 42
3 20E
+50.1

η Serpentis 160210 12.0 ✓
12 45
3 17E

Of Seen

+10.4

BZ Her. 160625 ~~12.0~~ ✓
12 49
3 18E

+26.5

W Coronae ~~160838~~ 161138 8.2 ✓
12 53
3 15E

16 06 +38.5
12 52
~~3 14E~~

+38.4

SS. Herculis 162807 9.5 ✓
12 55
3 32E

8438 6

16 28
12 54
3 34E

+7.3

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1909phae.proj..764C

May 11, 1909

8438 6

W. Herc 163137 10.0 ✓

16 32
12 56
3 36E

12 59
3 31E

+37.4 ✓

13 01
3 45E

S Herc 164715 <12.0

+15.2 ✓

13 06
3 59E

θ Herc 170627 <11.8

17 05
13 05
4 00E

+27.4 ✓

12 08
4 07E

Z Ophiuchi 171401 11.5

17 17
13 7
4 10

+1.8 ✓

4 00E
12 17

θ. S Herc. 171723 9.4

8438 6

+23.0

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1909phae.proj..764C

May 11, 1909

8438 6

Or. U Ophiuchi 172809

17 30
13 19
4 12 E

Or U Ophiuchi 172809 11.5

17 30
13 18
4 12 E

4 10 E
13 19

+9.6

Or 70 Ophiuchi 175111 11.8

17 52
13 20
4 32 E

4 30 E
13 22

+11.5

Or 3 Herc. 175519 ~~11.7~~

17 56
13 23
4 33 E

prob. should be 8.7
corr. by L.C. next am.

13 25
4 29 E

+19.8

Or 7 Librae 150018 11.0

15 00
13 26
1 34 E

8438 6

1 32 E
13 28

−18.5

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1909phae.proj..764C

May 11, 1909

8438 6 ζ Librae 150605 8.6 —

15 06
13 30
1 36 E

13 30
1 36 E

ζ Librae 155020 −5.6

15 14
13 30
1 44 E

R.C. 35 10 26
3 111 L.P.
— 194

Ledger to date
Post

1909phae.proj..764C

Thurs. May 20, 1909

L.C.Obs. 8" Bloc D 8447

R Leonis 094211 ext 9.5

12 20
2 38W

8 12

8447 6

+11.5

Y Hydrae 094622 ext 7.1

12 22
2 35W

14

−22.7

V Hydrae 104620 ext 10.0

12 25
1 37W

17

−20.8

W Leonis 104814 ext 9.7

12 27
1 39W

19

+14.4

R Vrg 115908 ext P.K

12 28
0 28W

20

8447 6

−5.5

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1909phae.proj..764c

May 20, 1909

8447 6	RW Vrg	120206	est 7.2
p 21			12 29
			0 27 W
			−6.3
	R Corvi	121418	est 8.0
			12 30
p 22			0 16 W
			−18.8
	SS Vrg	122001	est 8.1
p 23			12 31
			0 12 W
			+1.1
	RV Vrg	123307	est 9.0
p 25			12 33
			0 0
			+7.2
	RU Vrg	124204	est 10.6
p 27			12 35
			0 7 E
8447 6			+4.8

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1909phae.proj..764C

May 20, 1909

	U Virg	12h6m06	est 9.0
8 29			
8447 6			
	RT Virg	12h57m05	est 8.8
8 33			
	RV Virg	13h02m12	est 10.0
8 35			
	V Virginis	13h22m02	est 10.9
8 39			
	W Virg.	13h00m02	est hazy
9 00	Sky = 2		
8447 6			

V
12 37
0 7E
+5.8

V
12 41
0 15E
+5.8

V
12 63
0 20E
— 12.8

V
0 35E
12 47
— 28

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1909phae.proj..764C

May 20, 1909

R Hyd 132422 est 9.2 ✓

8447 6
9 1

13 9
0 16 E

-22.4

R Cancri 134440 est 11.9 ✓

9 2

13 10
0 34 E

+40.2

V Bootis 142539 est 7.5 ✓

9 4

13 12
1 13 E

+39.1

R Bootis 143227 est 11.2 ✓

9 6

13 14
1 17 E

+27.0

U Bootis 144918 est 11.7 13:15 ✓

9 4

1 34 E

8447 6

+10.0

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1909phae.proj..764C

May 20, 1909

8447 6

S Coronae 15 17 31 est 9.3

C

1 56 E

13 20

9 12

+31.7.

R Coronae 15 44 28 est < 11.8 hazy?

V

13 22

2 22

+28.5

9 14

R Serpen 15 46 15 est 8.6

X

V

7 22 E

13 25

9 17

+15.6

R R Ursae 16 01 50 est 8.8

V

2 34 E

13 27

9 19

22 10 8.48

1 112

194

+50.9

L. P.

Jup 3h 0m W at 13 29 S.

8447 6

2 Dec +10.7

10 18 Two tan by ph haze.

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1909phae.proj..764C

Tues June 8, 1909

LC. Obs. J.D. 8466 8' Polar

R Corvi 12146 est 9.3 ~

8466 6

8 - 42

14 05
-18
1:50 W

R Comae Ber 115919 est 10.2 ~

14 9
2 10 W

+19.2

W Leonis 104816 est 9.4 ~

3 22 W
14 11

+14.3

S Vig 122001 est 8.5 ~

14 12
1.53 W

+1.1

RV Vig 130212 est 10.0 ~

14:15
1:4 W

-12.8

8466 6

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1909phae.proj..764C

June 8. 1909

V Virg 132202 est 9.0 ✓

0 57 a

14 C)

-2.8

8466 6 7

R Lyrd 132422 est 8.6 ✓

0 55 E

14 19

-22.1

ν Bootis 144918 est 11.5 ✓

14 23

0 25 2

+17.8

Z Virg 140512 est < 11 f ✓

14 2f

0 23 a

-13.0

ρ Coronae 154428 est < 11.5 ✓

1 9 E

14 32

+28.4

8466 6 7

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1909phae.proj..764C

June d. 1909

W Her 163137 est 8.6 ✓

16 34
1 56 E

+ 37.4

8466 b

RV Her 165631 est 10.6 ✓

14 36
2 19 E

+ 31.5

W Coronae 161138 est 9.6 ✓

16 9
14 37
1 32 E

14 39
1 29 E

+ 38.2

SS Her 162807 est 10.9 ✓

16 28
14 40
1 48 E

14 41
1 46 E

+ 7.0

U Her 162119 est 11.5 ✓

16 17 +19.5
W 42
1 35 E

14 44
1 36 E

+ 18.9

8466 b

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1909phae.proj..764C

June 8. 1909

S Herc 16 47 15 est 10.0 ✓

8466 h 7

14 46
2 0 E

+15.0

X Coronae 15-45-36 est 11.0 ✓

15 47 +36.1
14 47
1 0 E

14 50
0 53 E
+36.4

Z Coronae 15-45 29 est 10.0 ✓

9 29

18 53 2
0 59 E

+29.8

R Serp. 15 46 15 est 8.0 ✓

14 56
0 49 E

+15.2

V Coronae 15-46 39 est 10.8 ✓

8466 h 7

14 57
0 47 E

+39.8

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1909phae.proj..764C

Ithaca Ξ, 1909

S Coronae 15 17 31 est 9.5 ✓

8466 6/7 +5

+31.8
0 18 E
N 5.9

RZ Herc 18 32 25 est 10.2

15 1
3 32 E

+25.8

RY Herc 17 55 19 est 10.2 ✓

17 56
15 03
2 53

15 6
2 49 E

+19.4

– CanVen 14 02 38 a 4, 1 c Short Per ✓

est comp*s. a 4 c 4 f 4 d 5 =

1 15 W
+38.2

15 1.7

ST Vrg 14 22 00 est a given 2 f ✓

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

15 21
0 59 W

* – 0.4

8466 6/7

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1909phae.proj..764C

June 8, 1909

RS Boot 14 29 32 est a 3,2 b ✓

8466 6

a 4 b 6c 4d 3e

Y Lyrae 18 34 43 est

18 34

15 28

3 6

abandoned

V Oph 16 21 12 est 6 ✓

16 21 -12.0

15 45

0 36 E

15 46

0 35 E

-1 22

R Z Scor 15 58 23 est 10 ✓

15 48

0 10 E

-2 06

R U Oph 17 24 09 est <11 ✓

15 30

1 37 E

+94

8466 6

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1909phae.proj..764C

June 8, 1909

	ζ Her 18053.1 est 10.0		⌐
8466 .6			2 10 E
			15-3
10:30			
			+30.9
	Pyxidis 18110.3 est 11.2		⌐
			2 16 E
10-32			15-55
			+3.4
	RS Her 17172.3 est 10.8		⌐
			15-57
10-34			1 20 E
8466 .6			
			+22.9
	R Aquilae 19010.8 est 10.4		⌐
8466 .7			16 3
			2 57 E
10-40			
			+8.1
	χ Cyg 19463.2 est 4.3		⌐
			3 40 E
			16.5
10:42			
8466 .7			+32.7

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1909phae.proj..764C

June 8, 1909

RT Cyg 19 40 48 est 9.1 ✓

8466 7 8

10 : 44

16.7
3 32 E

+48.6

Z Cyg. 19 58 49 est 8.9 ✓

16 9
3 46 E

10 : 46
8466 7 8
8466 7 8

33 10 981 +49.9
3 115 L.P.
13 207

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1909phae.proj..764C

Sat. Oct. 16, 1909

L. Obs & Rec 8" Polar DD 8596

	W Delph	20 33 17	~~9 5 0 *~~ est V each 3,4 k	21 2-8
8 03				1 25 W
	comp * = b 2 a 6 c 4 d 5 e 4 g 3 f			
	f 3h 6k			+17.8
	γ Scuti	18 37 08		
		22 04		
		3 32 W	Too far West	~~2 2 9~~ 3
8 14	γ Lyrae	18 3 V 43	est f, R	22 9
				3 37 6 W
	a 3 c 6 b 4 d 4 e 5 f			
				+43.9
8 21	RZ Lyrae	18 39 32	g 3, 2 e	
	a' 3 a" 4 b 3 c 4 d 4 g 5 e 5 f o h 4 k			22 16
				3 36 W
				+32.8
	RZ Oph	18 40 07	too far by	
	XZ Cygni	19 30 56	can't reach it	

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1909phae.proj..764C

Oct. 16, 1909

8 29 SY Cygni 194232 ~~+k 3,1 f~~
22 20
2 38 W
22 24
2 41 W
a 4 c 3 b ~~2~~ e 4 d 3 g 6 ~~f~~ h 3 k 4 f 2 l 4 m
+32 4

8 31 ~~W W Cygni~~
W Del? 203317 k o var both faint.
2225
1 52 W
22 26
1 54 W
+17.8

8 38 W W Cygni 200041 c 2.1 b
~~8 e b~~
c 2 b 4 g 3 d 4 e 6 f 4 h 2 k
22 33
2 32 W
+41 2

8 43 SW Cygni 200346 d 2, 2 e
a 2 c 4 b 4 d 5 e 4 f 3 g 0 h 4 k ~~4~~ l 2 m 4 m
22 38
2 35 W
+46.1

8 50 VW Cygni 201134 b 4.0 c
a' 2 a 4 b 3 c ~~4~~ e 2 d 4 f 5 f' 3 g 4 h
22 44
2 34 W
+34 2

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1909phae..proj..764C

Oct. 16. 1909

W Delph 203311 est K0 both faintly seen

8 51 22 46
2 14 W

+178

8 58 2 W Cyg 201942 c 2, 2d 22 53
2 34 W

b 2a 4c 4d 2e 4f 3g 5h 4k 3l
5m 3m

+426

9 01 2 Z Cyg 202046 est Var = e 1, 2d 22 56
2 36 W

a 3c 4b 5 ~~d i e~~ 3d 4g 2f 5h

+466

9 08 RR Delph 203813 est Var = a' 2, 0a

~~b 2a' 2a~~ d d b 23 02
2 24 W

a' 2a 4b 6c 3d 4e 4f 3g

+135

9 14 W Z Cyg 204935 a 2, 2d

omit b, too bright 23 9
2 22 W

~~e 4a 3c~~
a 4d 3 ~~d~~ c 6e 3f 5g 6h

+385

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1909phae.proj..764C

Oct 16, 1909

9 16	Vulpec	205027	est a4, 2c	
				23 12 2 22W
	b3a4c6 f d			
				+27.6
9 23	UZ Cyg.	215543	c4, 2 d	
				23 18 1 24W
	a5b4c6d2e f3e5g4h5k			
				+43.7
9 32	RY Peg.	220133a	est Var = c2, 3d	
	RZ Peg.	220133b	est Var = var ms f	too faint to est
				23 27 1 26W
	a3a'4c4d5f4e4g5h6k k3l6m			
				+33.9
9 35	220550 Y Lacertae		est d2, 2e	
				23 30 1 26W
	a4b6c4d5e			
				+50.2
9 45	TT Andr	230845	est TT = d2, 4e Var? = d3, 3e	23 40 0 32W
	a4b5c5d6e5f4g			
				+45.6

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1909phae.proj..764C

Oct 6, 1909

RS Cas 23326 / est Comm Steadwell.

9 48 W Delta 20317 est brown

2362
3 10 W

+17.8

9 53 S X Cas 00055 4 est a3, 3 b

~~a b b 3d 3 d c 6 e 4 f~~
a bb 3c 4d 3e 4f

2347 A
0162

+5 44

10 0 S Y Cas 00095 7 b2, c

2355
0122

a 4 b 5 d 3 e

+5 7.8

10 06 R W Cas 01305 6 est b-1, c

a 4 b 3c 4e 5d

4 0 2
1 25 E

+5 7 3

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1909phae.proj..764C

6

Oct 1, 1909

10 12 RW Tauri 03 57 27 est 9.4 k

b 3 a 3 c 4 d 3 e 4 f 5 g 3 k
k 6 m 4 l 3 h 4 0 3 n 4 p

0 7
3 48 E
+28.0

S S Cygni 21 3 f 4 3 ~~est 9.0~~
24 13 est 9.2
2 35 W

0 14
2 36 W
+ 4 3.0

10 22 RW Tauri 03 57 27 ~~est~~ 9.5 k

0 17
3 38 E
+28.0

10 36 k 2.4 m 0 30
3 25 E
+28.0

10 45 ~~m~~ k 4.2 m 0 39
3 16 E
+27.9

28 28
1 1
146 146 R.P.P.

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1909phae.proj..764C

Fri. Oct. 29, 1909

LC. Obs DD 8609 8" Polar

SS Cyg	213843	est 11.3	22 33 0 55 W +432
R Equulei	210812	est ~~if poss~~ <12.0	22 37 1 29 W +12.3
χ Peg	211614	est <11.8	22 41 1 25 W +14.0
RU Cyg	213753	est 9.0	22 44 1 28 W +5 38
V Peg	215605 22 46	est	

Can't identify.

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1909phae.proj..764C

Oct 29, 1909

RT Peg	21 57 34	est 10.0	22 59 10 0
New Variable		est 7.9	
near var quoted			+34.5
S Lacert	22 24 39	est 8.7	23 02 0 38 W
			+39 K
RW Peg	22 59 14	est 11.0	23 5 0 6 W
			+14.7
R Pegasi	23 01 10	est 8.6	23 8 0 7 W
			+9.9
W Peg	23 14 25	7.5 est	23 10 0 5 E
			+25.7

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1909phae.proj..764c

Oct 29, 1909

Z And	23 28 46	est 10.5	23 14 0 12 E +48.3
ST And	23 33 35	est 9.0	23 15 0 17 E +34.8
Z Peg	23 35 25 23 17 0 38 E	est	23 19 0 35 E +25.1
RT Aqua	22 17 22	est 11.0	23 24 1 7 W −22.4
S Aqua	~~23 21 45~~ 22 51 20	est 9.0	23 28 0 37 W −20.3

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1909phae.proj..764C

Oct 29, 1909

R Aquar 233815 est 10.4

23 31
0 7 E

−16.1

Z Aquar 2,34716 est 8.8

23 34
0 13 E

−16.4

W Ceti 235715 est 9 2

23 57
0 21 E

16 44 P.P
2 3
— 166

−15.4

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Sat Oct. 30, 1909

R.C. Obs. ~~Ⓐ~~ 8610 "A" Polar

SS Cyg 213+43 ~~est~~ 11.4

22 15
0 38 W

+43.2

67 33 SZ Aquil 185901 est d2,2e

75 35 TT Aquil 190301 est a2,2b 22 24
3 20 W

a4b3c4d4e4f3g5h4k3l

set on T. T. Aquil +1.2

7 43 SY Cyg 194232 est Var g1,3k
2 26
2 44 W 22 32
2 50 W

a4c3b2d4e ~~f3g4f~~
e3h2g4h4f ~~5l4m~~ +32.3

7 49 WW Cygni 200041. est c4,0b

c4b5g4d3e4h3f 22 38
2 38 W

+41.3

7 55 W Delph. 203317 est c0,5d
2240
2 7 W 22 48
2 11 W

a3b6o3d3e ~~5f4h~~
e3g1h5f6k

+17.8

1909phae.proj..764c

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1909phae.proj..764C

Oct 30 1909

U Lyrae	19 16 37	est 10.8	
	22 46		22 47
	3 30 W		3 31 W
			+37.6
T Sagittae	19 17 17	9.6 = est	
			22 49
			3 32 W
			+17.5
R Cyg	19 34 49	est 8.7	
			22 53
			3 20 W
			+500
R T Cyg	19 40 48	est 12.0	
			22 55
			3 15 W
			+684
T U Cyg	19 47 48	est 10.8	
			22 59
			3 16 W
			Fluct. 8

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1909phae.proj..764C

Oct 30, 1909

RS Cygni 200938 est 7.7
2333
3 24 W

23 35
3 26 W

+3 A.5

RDelp 201008 est 10.7

23 36
3 26 W

+P.5

U Cyg 201647 est 7.3

23 37
3 21 W

+47.5

SX Cyg 201130 est 9.5

23 3A
3 27 W

+30.7

WX Cyg 201437 est 10.8

23 40
3 26 W

+37.0

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1909phae.proj..764C

Oct 30, 1909

RW Cyg 202539 est 8.4

2342
3170

+39.6

Z Delph 202817 est 9.5

2343
315W

+17.2

S Delph 203816 est

Too Hazy

RV Vulpc 205923 est 9.5

2349
250W

2350
2518

+23.3

T Andr 001726 est

19 63
— 3
33 179

P.P.

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1909phae.proj..764C

Jan 3, 1910 Monday

L C Obs 8" Polar D. 8675

R Regan 230110 est

S T Aud 233335
2659
326W

Telescope so out of balance that R.A. wheel cannot be moved without moving Dec.

Have L. fix same.

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1909phae.proj..764C

Tues January 4, 1910

LC Obs β" Polar 8676-8

o Cet 021403

R Aurig 021024
34
134 W

U Cet 022813
35
126 W

2 34 – 12.5
3 5
124 W

R Trian

022133
403
142 W

γ Per 032043
406
046 W

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1999phao.proj..764C

Jan. 4, 1910

R Tauri 04209 est
4 10
0 12 E

W Tauri 04220.15 est
4 12
0 10 E

T Orion 053005a
4 17
1 13 E

W Tauri 042215 est 11.6

Set on bright stars

Ob RA. 0 27 Ob Dec +8.2
" S.T. = 4:46 ∴ Ob RA. = 4:19

True RA. = 4:21
" Dec = +15.7
∴ Correction to Dec Circle = +7.5°

Set on Var S.T. = 4:50
HA. = 0 31 W Dec +8.0°

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1909phae.proj..764C

Jan. 4, 1907 10

T Orionis 05 30 05a ext 10.8

4 50

0 40 E

0 34 E

−13.0

~~3~~

~~4 5 4~~

R Trianguli 02 31 33. ~~ext 7.6~~

4 55

2 24 W

3

2 6 5

— 3 L.P.P.

— 179

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1909phaa.proj..764C

Thi. Jan 7, 1910
L.C. obs 8" Polar #8679

Illinois 05300a est 10.9

3 17
2 9 E

Dec. circle still 7.5 too far South.

−13.0

o Ceti 021403 est 7.6

1 13 W
3 23

−10?

R Arietis 021024 est 8.4
3 25
1 24 W

3 33
1 24 W

24.5
7.5
+17.0 set clock ahead 4m

×17.2
+18.0

W Andr 021143 est 11.0

3 36
1 27 W

438
7.5
36.3

+36.4

R Andr 001838 est 9.7
3 37
3 19 W

3 40
3 22 W

+30.4

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1909phae.proj..764C

Jan 7, 1910

U Cass	004047	est <11.6	
	341		3 4V
	301W		3 5W
			+40.3
R Aud	004533	est <11.8	
			3 4V
337			3 03W
7.5			
26.2			+26V
RV Cass	004746	est <12.0	
			3 5-3
669			3 7W
7.5			
39.4			
− Cass	est 10.6		+39V
R Aud	005440	est <11.8	
			3 57
40.6			3 0W
7.5			
33.1			+33.3
Z Cet	010102	est 11.6	
			−9V
			2 58W
			3 59

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1909phae.proj..764C

Jan 7, 1910

U Psc	011712 est < 11.6		
	400		4 5
	243 W		2 47 W
12.3			
7.5			
4.8			+4.8
R Psc	012502 est 12.0		
	48		4 15
24	243		2 50 W
7.5	412		
-5.1	247		-5.0
R And	013238 est 10.4		
	416		417
	244 W		245 W
+38.2			
7.5			
30.7			+30.5
Sa Peg	015912 est 12.0		
	417		418
+12.0	218 W		219 W
7.5			
+4.5			+4.6
R Cet	022000 est 9.9		
			2,4 W
0.6			423
7.5			
8.1			8.0

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1909phae.proj..764C

Jan. 7, 1910.

U Cet	022813	est 6.8	
	#25		1594
	157 W		428
-13.6			
-8			
-21.1			-21.1
R Trian	023033	est 11.0	
			431
~~23~~			214
34.2			
-7.5			
26.7			+26.4
W Tauri	042215	est 11.3	
			433
			0124
+15.8			
7.5			
+8.3			+8.3
T Aurig	024217	est 9.2	
	#33		#34
	151 W		1524
+17.1			
7.5			
+9.6			+9.6
W Ret	024356	est 9.0	
			435
			1557
+56.6			
7.5			
49.1			+49.1

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1909phae.proj..764C

Jan 7, 1910

γ Per	032043	est 9.8	
	436		437
+438	116W		
7.5			117W
363			+364
R Persei	032335	est f. 4	
			440
353			118W
7.5	325		
278	439		+278
	114		
S Fornax	034124	est 8.8	
			442
			12W
342	-242		
442	-7.5		-322
10W	-31.7		
+ Eri d	035124	est 9.2	446
			056W
350	-246		
443	-7.5		-316
053W	321		
W Eri d.	040720	est 11.4	
			042W
47	-25.4		449
447	7.5		-328
	329		

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1909phae.proj..764C

Jan. 7, 1910

R Tauri	04 32 08	susp sp ~	120 0 20w 457
	450 0 18w		
+7.7 7.5			
			+0.7
V Tauri	04 46 17	est 9.8	
	45-2 0 6w		454 0 8w
+17.4			
			+10.0
R Lepus	04 55 14	est 6.4	
			457 0 3w
-14.9 7.5			
-22.4			
			-22.4
V Orion	05 00 03	est 10.2	
			500 00
+13.0 7.5			
-3.5			
			-3.5
T Lepus	05 00 22	est 10.7	
			54 0 4w
-22.0 -29.5			
			-29.4 Lepus

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1909phat.proj..764C

Jan 7, 1910

S Aurigae 05 20 34 ~~est 8.3~~

+34.0
7.5
+26.5

0 10 E
5 8
+26.6

U Aurig 05 35 31 ~~est 8.5~~

5 9
0 26 E

31.8
7.5
26.3

0 25 E
5 10
+24.4

05 43 19 S U Tauri ~~8~~ h 3 n

5 11
0 32 E

+19.0
7.5
11.5

0 30 E
5 13
+11.6

U Orion 05 49 20 n = 120

5 13
0 36 E
* q = 10.6

+20.2
7.5
+12.7

5 17
0 32 E
+12.6

Z Aurig 05 53 53 est 9.3

+53.3
7.5
+47.8

5 18
0 35 E

5 19
0 34 E
+47.7

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1909phae.proj..764C

Jan. 7, 1910

X Aurig	060450	est 9.f	
	5 20		5 21
+50.0	0 44 E		0 40 E
9.5			
+42.5			+42.f
SS Aurig	060547	est 12.0	
	5 22		5 25
+47.f	0 43		0 40 E
7.5			
+40.3			+40.4
	30	95	
	8	11 R.P.P.	
		179	

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1909phae.proj...764c

Sat January 8, 1910

L.C. Obs. ~~D~~ 8 X 80 8" Polar

RZ Persei d2,5-0 est Var = N

321 nov N 327
158 W 2 9 W
+50.4

a5 b3 c4 d3 e'2 e 3 f 4 g 3 h 4 l 3 h
h 5 m 3 m on on Cant see

Reset A. index by 3m to east

RRAets 012700 Var = d2,2c 337
332 abb4d3c2e4f 2 11 W
25 +0.6

-End 033015 est b 2,2c

a 2 b 4 c 5 d 4 e 350
0 1 W

-15.4

-End 041705 est c 3,2 d 357
4 16 - 6.5 0 25 e
3 54
0 22 e a 3 b 4 c 4 d 5 e -5.8

-End 044515 est Var c 3,2 d
b 3 a 4 c 5 d 3 e 2 f 0 40 E
4 4
-15.9

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1909phae.proj..764C

Jan 8, 1910

SU Aurig 044930 ext Var c 1,4 d

a 4 was 5, b 4 c 5 d

4 12
0 36 E

+30.3

SW Tauri 041903 Var d 2, 2 e

a 3 b 4 c 4 d 5 e

4 41
0 23 W

+3.7

SV Tauri 054528 est c 3,3 d

a 3 b 2 c 6 d 3 f 4 g 5 h

4 47
0 57 E

+28.1

R Tauri 042209 est 11.8

4 49
0 27 W

Var sup if seen = 11.8

S Tauri 042309 est 11.4

4 54
0 31 W

+9.6

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1999phae.proj..764c

Jan 8, 1910

RR Tauri 053326 ext 11.8

4 56
0 37 E

4 57
0 34 E

+26.2

V Aurig 061647 ext 9.0

4 58
1 18 E

5 7
1 8 E

+47.7

R Mon 063308 ext 10.8

1 24 E
5 9

+8.9

V Mon 064707 ext 10.3

5 10
1 37 E

1 36 E
5 11

-7.2

Y Mon 065111 ext 12.0

1 38 E
5 13

+11.3

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1909phae.proj..764C

Jan. 8, 1910

X Mon. 06520f est 8.9

1 36 E
5 15

-9.0

R Lyncis 065355 est 8.0

1 32E
5 17

+55.5

R Gem 070122a est 9.9
5 18
1 43 E

1 40E
5 20

+22.9

R Canum Min 070310 est 7.7

1 38E
5 24

+10.1

RR Mon 071201 est 10.4

5 25
1 46 E

+1.4

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1999phae.proj..764C

Jan 8, 1910

Venus 07 17 13 ~~Oct~~ 11 ℞

5 27
1 ~~Oct~~ 8
+131

20 115
1 12 L.P.P
42 221

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1909phae.proj..764C

Wed. Jan. 26, 1910

RC ab 8"

Telescope eye end dropped off of its bearings. Will have to quit.

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1909phae.proj..764C

Tuesday Feb. 2, 1910

L.C. Obs. 8704 8" Blair

R Ret 01250 2 est 10.2

5 34

4 9 W

4 11 W

5 36

+2 2

o Ceti 02 14 03 est 8.6

5 37

3 28 W

3 27 W

5 40

-3 6

R Ceti 02 20 00 est 8.6

5 42

3 22 W

3 25 W

5 43

— 0.6

U Ceti 02 28 13 est 7.0

5 45

3 17

3 20 W

5 47

-1 38

R Trian 02 31 33 est 11 f

5 48

3 17 W

3 22 W

+3 37

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1909phae.proj..764C

Feb 1, 1910.

T Arietis 024217 est 9.3
5 50
3 AW

3 11 W
5 57

+17.0

X Cet 031401 est 8.4
5 52
2 38 W

2 41 W
5 53

−1.6

Y Per. 032043 est 9.9
5 54
2 34 W

2 37 W
5 55

+43.8

R Per. 032335 est 8.4

2 36 W
5 57

+35.1

R Tauri 042209 est 11.6
5 58
1 36 W

1 39 W
6 00

S Tauri 11.6

+9.8

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1909phae.proj..764C

+Feb. 1, 1910

W Tauri 04 22 15 est 10.7

6 01
1 42W

+15.6

V Tauri 04 46 17 est ~~9~~ 11.4
6 02
1 16W

1 18W
6 04

+17.4

R Lepor 04 53 14 est 6.8
6 05
1 20W

1 22W
6 5

−15.0

T Lepus 04 50 22 est 11.5

1.9W
6 7

−21.9

R Aurig 05 09 53 est 9.8

6 9
1 4W

+53.6

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1909phae.proj..764C

Feb 1.1910

S Aurig	05 20 3X est 9.9	
	6 10	6 11
	0 50 W	0 53 W
		+337
S Orion	05 24 04 est 8.8	
	6 12	6 13
	0 48 W	0 52 W
		−4.8
		*
T Orion	05 30 05.a est 10.7	6 16
		0 47 W
		−5.7
RR Tauri	05 33 26 est 11.0	6 19
		0 50 W
		+264
U Aurig	05 35 31 est 10.4	6 21
		0 48 W
		+318

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1909phae.proj..764c

Feb 1, 1910

Z Tauri 05 46 1s- est 11.6
6 22
0 36 W
0 39 W
6 24
+15.8

U Orion 05 49 20 ~~est~~ 11.8
6 24
0 35
6 25-
0 38 W
+9 = 10.8
+20.4

Z Aurig 05 53 53 est 10.2
6 27
0 38 W
+53.1

X Aurig 06 04 5-0 est 8.3
6 29
0 28 W
+501

SS Aurig 06 05-47 est < 11.7
6 38
0 37 W
+47.6

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1909phae.proj..764C

Feb 1, 1910

W Mon. 064707 est 9.8

6 39
0 8 E

6 40
0 6 E

-7.6

X Mon. 065208 est 8.3

6 42
0 8 E

-8.8

R Lyncis 065355 est 8.7

7 01
0 13 W

+55.3

R Canum 070310 est 7.8

7 3
0 3 W

+10.1

Z Puppis 072806 est 11.0 if accn

7 8
0 18 E

X Puppis 072820a est 8.0

-20.4

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1909phae.proj..764C

Feb 1, 1910

U Cam Mrs 073508 est 9 9
07 9
0 26

7 10
0 23 E

+8.6

S Gem 073723 est 10.6

7 12
0 29 E

+23.8

U Gem 074922 est 9.6
713
0 36 E

7 16
0 30 E

+22.4

R Leonis 094211 est 9.3
714
2 24 E

7 19
2 20 E
+11.6

~~2 24~~

R Leo Mrs 093934 est 8.9
720
2 19 E

7 21
0 15 E

35 150
2 14
— 221

+34.8

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1909phae.proj..764C

Friday Feb 4, 1910

LC Obs AD 8707

RY Aurigae 051138
626
+15W
638
127W

T Orionis 053005 a est 11.0
637
107W
-5.6

U Lyncis 063159 est
643
012W
702
031W

SS Aurig 060547 est < 11.6
057W
700
+47.1

V Mon 061702 est < 11.5
74
047W
711
054W
-21

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1909phae.proj..764C

Feb. 4. 1910

R Gem 070122 est 11.4

7 14
0 14 W

+22.7

U Gem 074923 est 11.3
0715
0 34 E

7 17
0 33 E

+22.2

U Ruth 07562 est 11.8
0718
0 38 E

0 36 E
7 20

-12.7

R Coron 08112 est 11.0
0721
0 50 E

0 47 E
7 23

+12.0

V Coron 08167 est 9.1

0 49 E
7 25

+17.6

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1909phae.proj..764C

Feb. 14. 1910

RT Hyd 082405 est
726
0.58

5 155
3 17 R.P.P.
— 220

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1909phae.proj..764C

Friday Feb. 18, 1910

Flat resilvered & replaced today

L.C.

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1909phae.proj..764C

Thurs. Mar. 3, 1910

L@. Obs. ☌ 8734 8" Polar

T Orion 05 30 05 est 10.9

7 11
1 42 W

S S Aurig 06 05 47 est 10.2

1 16 W
7 18

+ 4 78

X Aurig 06 04 50 est 9.5

7 20
1 19 W

+ 50.0

S U Tauri 05 43 19 est 5 N

7 29
1 46 W

(Set clock 2m faster at 7:30)

+ 1 90

R Leon 06 33 0 f est 1/2

7 34
1 1 W

+ 44

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1909phae.proj..764C

Mar 3, 1910

S Lyncis	06 35 3 ♂	9.2 = est	7 36 1 2 W + 5 8.0
X Gem	06 40 30	est 10.6	7 37 0 5 ♂ W + 30.0
W Mon	06 47 07	est 11.2	7 40 0 5 2 W − 7.1
Y Mon	06 51 11	est 9.6	7 41 0 5 1 W + 11 4
X Mon	06 52 0 ♂	est 8.8	7 42 0 5 1 W − 9.0

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1909phae.proj..764C

Mar. 3, 1910

R Lyncis 065355 est 9.7

> 44
0 52 w

+ 555

R Cam Mira 070310 est 8.1

> 45
0 43 w

+ 10.2

V Gem 071713 est 11.3

> 49
0 32 w

+ 13.2

S Cam Mira 072708 est 11.5

> 54
27

Abandoned, not fnd.

δ δ
0 42 w

+ 8 4

T Cam Mira 07 2811 est < 12.5

δ 03
0 35 w

+ 120

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1909phae.proj..764C

Mar 3, 1910

U Cam Var 073508 est 9.9

δ 9
0 34 W

+8.5

S Cam 073723 est 11.7

δ 12
0 36 W

+23.7

T Cam 074323 est 11.4

δ 14
0 31 W

+24.0

U Cam 074922 est <12.6

δ 16
0 28 W

+22.2

R Camel 081112 est 11.5

δ 19
0 8 W

+12.0

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1909phae.proj..764C

Mar 3, 1910

V Carini	0h1617	8.9 est	8 20 0 0 +17.4
S Hyd.	0h~~48~~03	est 16.3	8 24 0 23.2 +3.4
T Hyd.	0h50 0s	est 9.7	8 26 0 25.2 ~~+~~ −8.6
RT Hyd	0h24 05	est 7.8	8 30 0 ~~5~~ 5.2 −6.1
U Carini	0h3019	est 12.4	8 31 0 0 +19.4

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1909phae..proj...764C

Mar 3, 1910

T Canum 085120 est 9.1

δ 32
0 18 E

+20.0

X Hydrae 093014 est 11.4

δ 35
0 36 E

-14.4

RR Hyd. 094023 est <12.4

δ 39
1 11 E

-23.6

Y Hydrae 094622 est 7.4

δ 40'
1 5 E

-22.5

V Leonis 095421 est 12.2

δ 42
1 12 E

+21.6

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1909phae.proj..764C

Mar. 3, 1910

V Hyd.	10 46 20	est 6.4	6 45 2 1 E −20.7
S Leon	11 05 06	est 10.2	6 48 2 17 E +5.8
R X Vir	= 11 59 05	est 6.4	6 50 3 9 2 −6.0
R W Vir	12 02 06	est 7.2	6 51 3 11 E −6.1
R Leon	12 14 1 6	est 7.5	6 53 3 22 E −16

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1999phae.proj..764C

Mar 31, 1910

S SVirg	122001	~~est~~ 7.0	f 5-4 3 26 ε +1.3
T CanVen	122532	~~est~~ 10.4	f 5-5 3 29 ε +3.0
Y Virg	122803	est 9.7	f 5-7 3 32 ε -3.8 ~~+4.2~~
R V Virg	123307	~~est~~ 9.0	9 3 3 30 ε +7.8
R U Virg	123704	~~est~~ 11.0	9 4 3 30 ε +4.8

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1909phae.proj..764C

Mar 3, 1910

U Vir 124606 est 9.4

9 6
3 39 2

+62

RT Vir 125705 est 8.6

9 7
3 50 2

+56

RV Vir 130212 est 10.4

9 9
3 52 2

-12.2

V Vir 132202 est 8.0

9 10
4 12 2

W Vir 132002 est 9.2

-22

R Can Ven 134440 est 11.0

9 12
4 32 2

9 14
4 28 2

42 197 P.P
4 21
221

+140.2

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1909phae.proj..764C

Thu March 4, 1910

Ⓓ L.C. Obs. D 8735 S' Polar

RZ Eporis 04 55 14 est 7.7

6 55
2 1W

−15.2

U Aurig 03 05 14 est 10.5

6 59
3 55W

+14.6

SX Per 04 10 41 est ~~a b~~ d 2, 2e

7 03
2 53W

a 5 b 3 c x 3 d 4e 3 f

+41.4

R Tauri 04 22 09 est 9.2

7 06
2 43W

+9.7

S Tauri 04 23 09 est 10.0

7 ~~08~~
2 45W

+9.5

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1909phae.proj..764C

Mar. 4. 1910

R Orion 045307 est 10.0

7 13
2 20 w

+80

V Orion 050003 est 10.0

7 16
2 16 w

+36

RU Mon 064907 Cd' 2,3d'

7 21
0 32 w

δ 15
10 01
-1 46

0719
0 30 w

*-7.7

γ Leonis 093126 e 4,3f

δ 22
-2 20

7 21
2 10 E

7 28
2 22 E

-.097

+26.6

SS Aurig 060547 est 11.0

7 30
2 26 w

δ 24

+47.7

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1909phae.proj..764c

Mar. 4, 1910

RR Tauri 053326 est 11.2

7 32
2 00 W

+26.2

Z Aurig 053553 est 9 8

7 36
8 1 44 W

+53.2

T Orion 053005 est 10.6

7 38
2 8.W

−5.7

RU Mon 07 06 49 07 est b 3, 2d'

8 35
10 01
−1 26

7 41
0 57 W

−7.7

Y Leon 09 31 26 est f 2, 2g

8 37
−2 8
−.08

7 43
1 46 E

+26.6

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1909phae.proj..764C

~~Of~~ Mar 4, 1910

R Leonis 09h 42m 11 est 10.1

7 45
1 55 E

+11.9

S Orionis 05 24 0 est f.6

7 46
2 22 W

7 47
2 24 W

-4.9

R Geminorum 06 35 30 est 10.5

7 48
0 53 W

0 54 W
7 49

+30.6

W Canis 09 04 25 est 11.0

7 50
1 14 E

7 52
1 11 E

+25.6

S Antlia 05 46 19

7 53

2 10 W

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1999phae.proj..764C

Mar. 4, 1910

SV Aurig 05-3646b est d 2,2e

δ 54

a4b4c1d4e2f5g

δ 00
2,1 W
+16.2

RU Mon 06h907 c4,2d'

δ 57
10 01
-1 4

δ 03
1 15 W

-7.7

γ Leon 09326 est g 3 var

δ 59
10 42
-1 43
-.072

δ 05
1 24 E
+26.8

γ Gem 05542 c2,2d

δ 05
2 11 W

9 03

δ 9
2 15 W
+24.4

a4b3c5d3e

RU Mon 06h907 est d'3,2d

9 24
10 01
-0 37

δ 30
1 41 W
-7.7

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1909phae.proj..764C

Mar. 4, 1910

γ Leon 093126 est 9 5V var

9 26
10 42
−1 16
−0 53

δ 32
0 58 E

+26.1

RZ Leon 05 56 22 c 2, 3 d

δ 33
2 37 W

9 31

δ 37
2 56 W
41

+22.0

a 3 b 4 c 5 d 4 e

U Lynx 06 31 5 9

δ 39
2 8 W

Cant reach region

SU Vir 12 00 12

δ 40
3 20 E

d 4 e' use 24" for this selection

RU Mon 06 49 07 d' 0. 3 d

2 1 W
δ 50

9 54
10 01
−0 17

*−77

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1999phae.proj..764C

Mar. 4, 1910

γ Leonis 093126 est g2 var

9 46
10 42
−0 56
−.039

δ 5-2
0 38 E

+26.6

RV Vig 123307 est g2

9 00
3 33 E

9 02
3 31 E

+7.7

γ Leonis 093126 f2, 3g

9 58
10 42
−0 44
−.031

9 04
0 26 E

+26.6

RU Mon 064907 est d"2, 2d
905

10 00
10 01
−0 1

9 06
2 17 W
* −1.7

γ Leonis 093126 est f0, 5g

10 08
10 42
−0 34
−.024

9 14
0 16 E

+26.6

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1909phae.proj..764C

Mar. 4 1910

Y Leonis 093126 e 3, 3 f

9 24
0 6 E

10 - 18
10 42
-6 24
= .017

+266

RU Mon 06 h 907 d 0, 3 d

9 26
2 37 W

10
9 20
10 42
10 01
+0 19

9 25
2 36 W

-77

Y Leonis 093126 est e 2, 3 f

9 31
0 1 W

10 25
10 42
-0 17
-.012

+266

35 232
21
21 242

L.P.P.

Douglass

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1909phae.proj...764C

Mon Mar 7, 1910

LC Obs JD 8734 8" Polar

RW Mon ~~07h07~~ 06h28m g 2,2 h

7 35 6 48

0 20 W

6 s-1

0 24 W

+8.8

RU Mon 06h07 b 3,3 d'

7 38

2 32

+ 5 — 6

6 s4

0 6 W

-7.7

SS Aurigae 06h05m ~~est~~ 12.5

6 s3-

0 s0 W

7 40

6 s-6

0 s3 W

+7.8

Cloudy

7 50 Cleaner now

ST Tauri 05h39m13 a3 var b

7 52 7 5 a3 b5 c4 d4 e3 f

1 26 W

7 08

1 h28 W

+13.2

SS Gem 06h22 a 0,4 b

7 54 a5 b4 c6 d

7 10

1 8 W

+23.0

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1909phae.proj..764C

Mar 7, 1910

RS Ophiuchi 061614 a 2, 3 b

7 57 a 5 b 3 c 4 c' 5 d 7 13 0 5 6 W +14.9

SX Per 041041 est b 3 c 7 18 3 9 W +41.5

8 02 a 3 b 6 c 5 d 4 e 3 f

U Lyncis 063159 est k 1 22

A06 a 6 b 5 c 4 d 5 e 3 f f 4 g 5 h 3 k 7 22 0 5 0 W +60.0

F 30 All cloudy

7 239
1 22
25 267

L. P. B.

Long Par. R.

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1909phae..proj..764C

Sat. Mar. 19, 1910

LC Obs 8 7/50 8" Blair

RU Mon 06 49 07 b-y, c

7 43
0 54 W

7 4 8
0 5 9 W

> 44
−.330

Set clock 2m ahead −7.7

T Orion 05 30 05 a 10.2

7 5 1
2 2 1 W

−5.5

W Tauri 04 22 15 10.0

7 5 2
3 30 W

7 5 3
3 3 1 W

+1.5 8

R Tauri 04 22 09 8.9

7 5 5
3 32 W

+9.6

S Tauri 04 23 09 10.1

7 5 6
3 3 3 W

+9.4

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1909phae.proj..764C

Mar. 19, 1910

S Orionis 05 24 04 9.0²

~~2~~

~~7 5X~~

~~2 28W~~

~~7 58~~

2 34W

7 59

~~7 58~~

~~3 00~~

2 36W

-.4

T Tauri 04 16 19 ~~est~~ 10.6

~~7 52~~

~~8 00~~

3 44

8 02

3 46W

+19.4

U Orionis 05 49 20 est 9.8

~~8 03~~

2 14

×9 = 10.3

8 06

2 16 W

+20.1

U Canis Min 07 35 08 ~~est~~ 9.6

~~8 07~~

0 32W

8 08

0 33W

+8.6

R Canis Min 07 03 10 est 9.1

~~8 08~~

1 5W

8 09

1 7W

+10.2

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1999phae.proj..764C

Mar 19, 1918

S Can Mon 07270 est 9.8

7 19 + 8.6
8 10
0 51

0 47.6 m
8 11

+8.5

X Gem 06h 0.30 est 10.8
8 12
1 32 m

8 14
1 34 m

+30.9

Y Mon 06 51.1 est 9.6

1 25 m
8 15

+11.4

W Mon c 06 47.07 10.7

1 30 m
A 16

-7.0

X Mon c 06 5 20.8 8.1

1 25 m
8 17

-8.9

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1909phae.proj..764C

Mar. 19, 1910

R Lynx 065355 est 10.4

δ 18
1 25 W

+55.6

X Aurig 060450 est 10.2

δ 20
2 17 W

+49.9

RR Tauri 053326 11.4
δ 21
2 48 W

δ 22
2 49 W

+26.4

V Orion 050003 11.5

δ 24
3 25 W

+3.8

R Mon 063308 11.3
δ 25
1 52

δ 26
1 53 W

+0.9

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1999phae.proj..764C

Mar 19, 1910

R Aurigae 050953

8 26

3 17

Can't reach it.

S Lyncis 063558 8.0

8 27

1 52

8 28

1 57 W

+57.9

Plew 074323

Too near moon

S Hydrae 084403 9.3

8 30

0 18 E

8 30

0 16 E

+3.6

RT Hyd. 082405

8 31

0 7 W

8 33

0 10 W

−5.8

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1909phae.proj..764C

Jan. 19, 1910

T Hydrae	08 52 08	10.4	0 13 E 8 36 −8. 8
R Leonis	09 42 11 8 36 1 6 E	10. 2	1 3 E 8 38 +11.9
T Sext	09 48 02 8 39 1 09 E	d 2, 2 e	1, 3 E 8 43 +2.4
8 39			
~~R~~ U Virg.	12 46 06 8 44 4 2 E	est 10. 8	3. 56 E 8 49 +6.2
R W Virg	12 02 06	est 7.3	
R X Virg	11 59 05	est 8.4	est on PX 8 52 3. 7 E −5 0
Roughly	30	269 L. P. 8. 22 269	

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1999phae.proj..764C

March 25, 1916 (Friday).

Dri I Jup. at 10:03:04

1" type piece used.

Chron. ~~0.0~~ 2 fast correct at 9 50 E.S.T

Jup. 12:40 - 2.6

Sat dis very close to limb of Jup. making obs. difficult.

Chron 0.5 fast at 10:09:00 E.S.T

∴ Sat ~~—~~ dis at 10:03:04 E.S.T

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1909phae.proj..764C

Thurs. May 12. 1910

L.C.Obs. 8" Polar

Eyepiece with micrt. on 8" telescope

Stars mean = 13 Virginis Mean 6.92

Mean on a star.

32.3	702 - OS = objective shade wedge	0 10 E
31.8		- 0.3
29.4		S.T. 8. 26
31.2		R.A. 12 9 54 S.T.
47 31.2		12 : 14

Same again

29.8	702 - OS
28.9	
26.4	
31.4	
365 29.1	

Same again

30.4	702 - OS
31.6	
30.8	
28.9	
17 30.4	

Objective shade wedge set at 302 water ✱

too faint to measure with other shade

568	351 OS
576	
582	
593	
317 579	

482	402 OS
463	
476	
480	
299 479	

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1999phae.proj...764C

May 12, 1910

355	452 OS		
36K			
352			
356			
27			
35.7			
362	502 OS		
328			
336			
331			
17			
33.4			
356	552 OS		
362			
354			
34K			
196			
34.9			
360	601 OS		
37.4			
356			
379			
269			
36.7			
336	651 OS	E. 2 m T & K K	
360		0 & W	
349			
350		- 0.3	
195			
34.9		12:14 R.A.	12:22 S.T.

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1909phae.proj..764C

May 12, 1910

364
356
350
33X
3184
346

70z

EMT 8 45
0 9 W
12:23 ET
−0.3

12:14 R9

R Leonis 094211 ext 9.4
1302
320 W

1307
326 W
+120

R Bootis 143227 ext 8.0
1308
124 E

1310
120 E
+268

R Coronae 154428 ext 8.4
1311
233 E

1315
225 E
+289

eldr

3 pf.

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1999phae.proj..764C

Thursday Sept 15, 1910

E.C.Olz. D.D. 8930 8" Polar

RR Aere 160150 est F.7

1926
325 W

1927
3.25 W

+508

R Sagittae 200916 est 10 2

1928
141

1934
0 35 E
+16.4
~~0 35~~

X Scuti 18 25 13 est h2, 2k

1940
1 15 W

1941
1 16 W
-13.2

a 4 b 5 c 3 d 4 e 3 f 5 g 6 h 4 k 6 l

V Cap 21012K

1942
1 19 E

68 near moon

RS Aquarii 210504 est 10.1

1945
1 20 E

1948
1 18 E

- 4.6

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1909phae.proj..764C

Sept 15, 1910

20 29 54 S T Cygni		est <11.6	
1949			1957
0 40 E			0 37 E
			+54.7
R R Aquarii	21 09 03	est 9.3	
	1952		1053
	1 17 E		1 17 E
			−3.4
S S Cygni	21 38 43	est 11.8	
	1953		1955
	1 45 E		1 42 E
			+43.3
V Cassiop	23 07 59	est <11.8	
	1957		1958
	3 10 E		3 10 E
			+59.2
S Facantae	22 24 39	est <11.6	
			20 02
			2 21 E
			+39.4

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1999phae.proj..764C

Sept 15, 1910

R Lacertae	223841	est L11.8	20 06 23 1 E +41.8
RW Peg	225914	est L12.0	20 09 2 50 E +14.8
R Pegasi	230110	Est 9.0	20 11 2 49 E +10.0
W Peg	231425	est 9.8	20 16 2 58 E +25.5
S Peg	231508	est ifaint 11.8	20 22 2 53 E +8.4

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1909phae.proj..764C

Sept 15, 1910

Z And. 23 ~~28~~ 48 est 10.7
2024
3 ~~14~~ 24 E

23 27
20 31
2 56 E

23 32
2 53 E

+48 3

S T And. 23 33 35 − 10. 0 = est

23 34
2 58 E

+35.1

Z Peg. 23 55 25 est 9.3
2036
319 E

317 E
20 37

+25.4

X And. ~~24~~ 10 46 est 12.0
001046
2038
3 32 E

3 28 E
20 41

+46.6

T And. 00 17 ~~26~~ 16 est 12.1
2042
335 E

3 31 E
20 44

+26.6

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1999phas..proj..7646C

Sept 15, 1910

R Aurb 001838 ~~est~~ 11.2

2047
3 29 E

+380

U Cass 004047 ~~est~~ 11.6

2047
3 53 E

2050
3 ~~64~~ E

+~~44~~.0

RV Aurb 004132 ~~est~~ 10.3

2055
3 46 E

2058
3 44 E

+324

V Aurb 004435 < 12.0

2058
3 46 E

2100
3 43 E

17 = L.P.
9 -

+35.2

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1909phae.proj..764C

Thurs. Sept 22, 1910

R.C. Obs 8" Polar H.D. 8937

– Sagitt 18021 est e 2, 1d

20 04
2 2W

2002
2W

a2b4c4d8e Partwater -18.6

– Scuti 18314 OK a2, 2b

2019
1 45-W

20 17
1 43W

a3b4c5d3e -4f

SS Cygni 21384 est 12.0

1 22E

20 ~~09~~ 16

20 ~~09~~
1 30 2

– Scuti 18307 est c3, 3d

20 23
1 42 W

20 20
1 42

a4b3c6d -7.8

– Scuti 18431 C est e1, 3f

20 26
1 40W
-10.8

a5b3b5d5e4f6g

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1999phae.proj..7644

Sept 22 1910

-Sagitt 18381 est d 3, 2e

a 4b 6c 5d 4e 20 32
1 30 W
near Duchartre — 19.4

-Sagitt 18420 est a 0.4b

a 3b 4c 5d 3e 20 34
1 47 W
Rest watch — 20.4

-Sagitt 19124 est c 2, 2f
2041
130 W 20 44
1 33 W

a 5b 4e 3d 2c 4f 2g — 24.2

Ry Herc 17557 Var Nov 1911
2115
3 20 W 21 25 —
3 32 4

+ 19.2

There 18031 est 4
2118
3 13 W 21 21
3 19 W

+ 30.2

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1909phae.proj..764C

Sept 22, 1910.

SV Her — 22224 est 11.6

21 12
2 50 W

21 22
3 00 W

~~est~~
21 28
~~3~~ 1 8 W
+ 2.6

R Sagit 19019 est 7.4
2118
28

2 2W
21 20
−19.7

W Lyrae 18113 est 8.0

3 20 W
21 30
+ 36.6

X Oph 18330 est 8.8

3 00 W
21 32
+ 8.6

R Aquil 19108 est 8.8

2 34 W
21 34
+ 8.0

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1909phaq.proj...7646

Sept 22, 1910.

– Aquilæ 200103 est 6.2 2 c

21. 36
1 35 W

a 3-b 4 e 5-d 4 c + 3.4

– aquarii 211000 Var d 2, 2 e

2136
0 26 W

21 39
0 31 W

a 3-b 6 c c d 5-e – 0.6

T Sagitt 191007 est 8.6

2142
2 32 W

21 43
2 32 W
–17.2
*

T Sagittæ 191717 est 9.6

2143
2 26

21 45–
2 30 W
+17.3

R Aquarii 193449 est 8.3

21 47
2 15 W
+49.7

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1909phae.proj..764C

Sept 22, 1910

RT Cygni	194044	est 8.9	21 49 2 11 W + 4 02
X Cygni	194632	est 9.2	21 54 2 10 W + 32.5
S Cygni	200357	est 10.8	21 56 1 56 W + 57.7
S Aquil	200758	est 9.8	21 58 1 53 W + 15.3
R Delph	201008	est 9.0	22 02 1 53 W + 8.8

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1999phae.proj..764c

Sept 22, 1910.

U Cygni	201647	est 8.2	2202 151W +476
RW Cyg	202539	est 8.4	2205 142W +395
Z Delph	202817	est 11.0	2207 140W +170

26
2
31 R.P.P.

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1909phae.proj..764C

Mon Oct. 10.1910

LC. Ob 8 inch DD 8953-

RS Cygni ~~19~~ 200938

2128

1 19 W

2140

1 31

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1999phae..proj..764C

Used Oct. 19, 1910

LC db JD 8964 8" Polar

SS Cyg 21343 est 100

RA index cannot be moved to left (East). 5m = correct here ~~correct RA index 5m to left~~

21 40
~~0 7 m~~
0 7 W
+431

RW Leo 225914 est 10.2
21.44
1 15 E

21 48
1 6 E

+146

W Leo 230425 est AC

21 50
1 20 E

+259

W Cep 200822 est <110
2151
143
2202
1 54

2203
1 58 W

-225

X Cep 210221 <110
~~2151~~
052 W

2200
1 1W

-218

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1909phae.proj..764C

Oct 19, 1910

RW Cygni 202539 est 8.7

2205

1 KO W

2205

1 45W

+394

RZ Cyg 204856 est 10.0

2208

1 20 W

2210

1 27W

+46.8

RV Vulpec 205923 est <11.0

2210

1 11W

2215

1 19W

* m probobserved for Var Oct 17. +23.)

R Equulei 210812 est 8.7

2215

1 7 W

2217.

1 13W

+122

χ Pegasi 211614 est 10.2

2217

1 TW

2219

1 7W

+13.9

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1909phao.proj..764C

Oct 19, 1910

RW Cyg 21353 est P. 2

22 20

0 43 W

22 21

0 48 W

+ 5 3 V

RR Peg 21402 V 11 2

22 23

0 57 W

+ 24 5

RT Peg 21593 V est 11.0

2223

0 2 V

22 26

0 32 W

+ 34.6

Vy Peg 22013 ~~est 10.5~~ < 11.5

22 31

0 30 W

RS Peg 22014 est 10.5

+ 13.~~0~~

X Aqua 22132 est < 11.2

22 34

0 25 W

-21.4

all lodged to here Oct 25, 1910 L.P.P.

L.P.P.

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1909phae.proj..764C

Fri. Oct. 28, 1910

LC Obs. 8-inch AD8978

SSCyg 213F43 est 9.7

2212
0 35 W

Effer with phot. on 8-inch.

+432

1 P.P.

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1909phae.proj..764C

Sat. Oct 29, 1910

Lic. Obs. Mich. #974

RR Dep. 203813

2220

1 42 W

7 39 SU Cyg 194232 g5 n

2223

2 41 W

22 25

2 42 W

+32.3

SS Cyg 213843 est 9.9

22 28

0 51 W

+4.9

T Sagittae 191717 est 9.4

2230

3 13 W

22 31

3 14 W

+17.3

χ Cygni 194632 est 10.0

2233

2 47

22 35

2 48 W

+32.4

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1909phae.proj..764C

Oct 29/1910

R Cygni	19 34 49	est P 1	
	22 36		22 37
	3 2 W		3 3 W
			+49 6
RT Cyg	19 40 48	est 11 8	
			22 39
			3 0 W
			+48 4
TU Cyg	19 43 48	est < 12 0	
			22 41
			2 59 W
			+48.6
Z Cyg	19 58 49	est 9 2	
	22 42		22 43
	2 44		2 43 W
			+49.4
S Cyg	20 03 57		

By J

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1999phae.proj..764C

Oct 29, 1910

RV Vulpec	205923	est 12.0	
	2245		22 46
	1 46 W		1 46 W
			+23.0
SY Aquil	200212	est <12.0	
	2247		22 50
			2 47 W
			+12.4
S Aquil	200715a	est 9.9	
	2253		22 53
	2 46		2 46 W
			+10.0
RV Aquil	193509	est 9.8	
	2254		22 55
	3 19		3 20 W
			+9.2
X Aquil	194604	est 10.5	
			22 57
			3 10 W
			+4.0

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1909phae.proj..764C

Oct 29, 1910

RW Cyg.	202539	est f. 3	22 59 2 35 W +394
RZ Cyg	204446 est 12.0 22 59 2 11 W		23 03 2 15 W +668
RU Equulei	200812 est < 11.8 2304 2 56		23 04 2 59 W +123
RS Cyg	200938 est 7.3		23 09 3 00 +35
RDolph	201008 est 9.3		23 10 3 00 +44

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1909phae.proj..764C

Oct 29, 1910

RT Capric 201121

Haze Lens

SX Cyg 201130 9.3 est

23 13
3 2 W

+ 30.2

WX Cyg ~~20107~~
201437 12.2 est

23 15
3 0 W

+ 36.9

U Cyg 201647 est 7.3

23 16
3 5 W

+47.2

ST Cyg 20 29 54 est <11.8

23 17
2 48

+54.4

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1909phae.proj..764C

Oct. 29, 1910

S Delph 203816 est 9.3

23 18
2 40 W

23 20
2 42

+16.6

RV Peg 222129 est 12.2

2321
1 0 W

23 23
1 2 W

+29.8

S Lacert 222439 est 12.6

23 27
1 3 W

+39.6

R Lacertae 223841 est 12.4

23 29
0 51 W

+41.6

S Aquar 225120 est

2330
0 39 W Hazy

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1999phae.proj..764C

Oct. 29, 1910.

R Pegasi 23 01 10 est 40
23 31
30 w

23 32
0 31 w

+9.9

V Cas 23 07 59 est 40
23 33
26 w

23 34
0 29 w

+5 9.0

W Peg 23 14 25 40 est

23 35
0 21 w

+2 55

S T And 23 33 35 est 9.5

23 36
0 3 w

+30.1

R Aquar 23 38 15 est 98

29 37
0 1 E

-16.0

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1909phae.proj..764C

Oct. 29, 1910

Z Aquar 23 47 16 est f. 1

23 39
0 9 E

-16.3

Z Cass 23 39 5 6 est < 120
23 39

23 41
0 2 W

+ 55.8

R R Cass 23 50 3 est 11.9

23 42
0 8 E

+ 53.0

Z Psc 23 55 25 est 96

23 44
0 9 E

+ 25.14

Y Cass 23 55 55 est 94

23 47
0 9 E

+ 55.0

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1999phae.proj..764C

Oct 29, 1910

T Cass 001755 ext 11.7

23 50
0 25 E
+55.1

R And 001838 ext

Aldebaran

S Cet 001909 ext

Too cloudy

37 6
1 L.P.P.

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1909phae.proj..764C

Mon. Nov. 7, 1910

2C. Clbs D 8983 8-inch

R Cygni 193449 est 6.1

22 44
3 10 W

+ 49.8

RT Cyg 194048 est 12.4

22 47
3 07 W

+48.3

X Aquilae 194604 est 10.7

22 50
3 02 W

+ 4.2

Y Cygni 194632 est 10.5

22 52
3 6 W

+32.1

Z Cygni 195849 est 8.9

22 54
2 57 W

+ 4.9

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1999phae.proj..764C

Nov. 7, 1910.

S Cygni 20035-7

To be fav by

R Aquilae 20 08 12 est < 12 c
2255

2 25 p
2 50 w

+ 12.6

W Aquar 20 41 04 est 8 5
2259
2 18 w

2 3 00
2 19 4

* - 4.4

U Z Cyg 21 53 43 c 3, 3d
2307
1 7 w
12

23 1 4
1 15 w

7.50

+ 4 3 8

V Aquar 20 41 02 est 9 f
2311
2 30

23 12
2 31 w

+ 2.0

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1909phae.proj..764C

Nov. 7, 1910.

T Aquar. 20h40m5 est 8.9

23 14
2 30 W

−5.4

RS Aquar 210504 est 11.8

23 18
2 13 W

−4.5

R Equulei 21 0 12 est 8.9

23 19
2 11 W

+12.3

RR Aquar 210903 est 11.8

23 21
2 11 W

−3.5

SS Cygni 21 38 V3 est 11.5
23 21
1 43 W

23 23
1 45 W

+49.3

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1999phae.proj..764C

Nov. 7, 1910

U Aquarii 215717 est <12.0

2324
1 27 W

2325
1 28 W

-17.4

RV Peg. 222129 est 12.0

2326
1 5 W

23 28
1 7 W

+29.9

S Lacert 222439 est 11.0

2332
1 8 W

+39.7

R Lacert 223841 est 12.1

23 34
0 58 W

+41.6

R Pegasi 230110 est 10

23 36
0 36 W

+2d

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1909phae.proj..764C

Nov. 7, 1910.

V Cas-Wf	23 07 59	est 7.7	
			23 38
			0 35 W
			+593
Z And-r	23 28 48	est 10.6	
	23 39		23 40
	0 11 W		0 12 W
			+48.3
S Tri And	23 33 35	est 9.4	
			23 41
			0 8 W
			+350
R Aquar	23 38 15	est 9.6	
			23 42
			0 3 W
			−15 f
V Cet	23 52 09	est 9.9	
			23 46
			0 6 E
			−9.4

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1909phae.proj..764C

Nov. 7, 1910

R Cass	23 50 53	est 120	23 52 0 0 +50f
R And	0 01 38	est 66	23 54 0 23 E +380
χ Cet	03 14 01	est 120	23 56 3 18 E −1.4
γ Ret	03 20 43	est 94	23 58 3 22 E +432
~~ζ~~ S Cet	00 19 09	est 10.4	23 55 0 19 E −9.9

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1909phae.proj..764C

Nov. 7, 1910

RV Cass 004746 est < 12.0

0 Z
0 45 E

+46 ?

U Cass 004958 est 9.6

0 3
0 45 E

+57.8

R X And 005840 est 11.0

0 5
0 52 E

+40.6

Z Cet 010102 est 9.0

0 6
0 55 E

−2 ?

R U And 013238 est < 12.0

0 16
1 15 E

+38 ?

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1909phae.proj..764C

Nov. 7, 1910

γ And 013338 ~~+12~~

ext 10.3

~~230~~
0 18.
1 R's E

+38.6

χ Cass 014958 ext 0.4

0 20
1 25 E
+08.8

υ Persei 015354 ext 8.4

0 21
1 ~~28~~ E

+54.2

ζ Arietis 015912 ext 1.3

0 24
1 36 E

+12.0

ρ Aurigæ 021024 ext 12.6

0 26
1 43 E

+24.6

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1909phae.proj..764C

Nov. 7, 1910

W Ceti	021143	est 8.0	
			0 34
			1 36 E
			+43.8
o Ceti	021403	est 5.2	
			0 36
			1 38 E
			−34
S Persei	021537	est 9.3	
			0 37
			1 34 E
			+58.1
R Ceti	022000	< 12.0	
	038		0 40
	142 E		1 40 E
			−08
U Ceti	022813	est 8.0	
			0 42
			−138
			1 17 E

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1909phae..proj...764C

Nov. 7, 1910

R Trian 02331 ext 11.0

0 42
1 46 E

+33.6

Taurit 02421 ext 9 3

0 45
1 58 E

+17.0

W Per 02435 ext 9.0

0 46
1 53 E

+56.6

6
4 L.P.
1

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1909phae.proj..764C

Saturday January 28, 1911

R.C. Alderman

8" Polar

S. Van. 05 5646 B est 9.2

4.59
0.39 E

Changed hourangle 2 m. to west made

+ 46.3

W Persei 24356 est 9.6

5.07
2.22 W

+56.4

W Tauri 042215 est 9.8

5 10
0 48

5 13
0.50 W

+15.7

SS Aurigae 060547 < 10.2

5 15
0 50 E

f 35

0 43 E
5 20

+48.0

U Orionis 054920 est 9.9

5 22
0 27 E

5 23
0 26 E

+20.1

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1909phae.proj...764c

Jan. 28, 1911

07 01 09 V Cam mid est 11.5

5 25
1 36 E

5 28
1 35 E
+ 9.0

X Aur 06 04 50 est 6.5

0.29 E
5.33
+ 50.3

S Gemi 06 35 58 est 9.1

0.5 E
5.36
+ 58.0

Omicron Aur 05 08 49 est 8.8

8 m. 57

5 40
1.30 W
+ 49.4

W S Mon 7 36 56 Too far by

1909phae.proj..764C

Saturday January 28, 1911

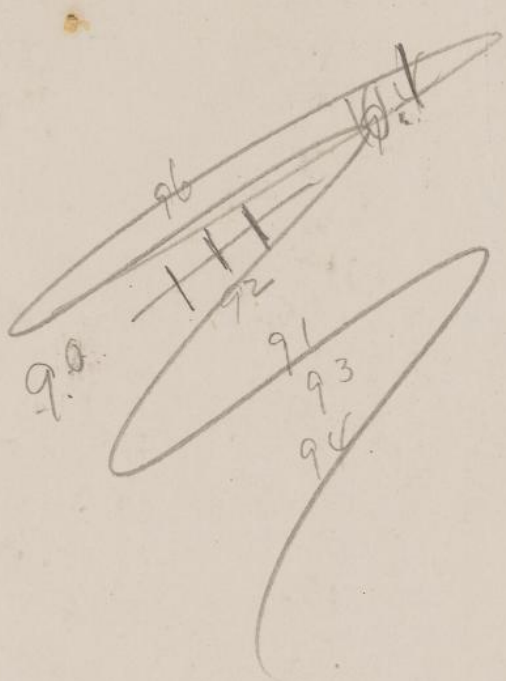
V Sura	07 17 13	est 8.8	
	05 43		13 38
	13 46		5 45
			+13.2
V Sura	07 49 22		
	0		
		10	
		—	
		L.	

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