

KG
11366
090

8" POLAR EQ.

3

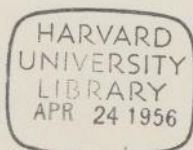
FOR

KG 11366.090

OBSERVATIONS OF VARIABLES
BY Philip G. Reilly



KG 11366.090



KC 11385

1

Tuesday January 28, 1913

15" Eq.

Philip G. Raulo

1979⁶⁵

Tuesday, January 28, 1913
 8th Polar Eq
 Thompson's Daily Obs

V Can Min

076109

212.0?

0638

238

0644

✓

P Gem

070229

10.4?

645

16

651

✓

P Can Min

070310

8.5

652

11

54

✓

P R Mon

071201

9.6

0654

188

36

✓

S Can Min

072708

8.9

0657

30

38

✓

January 28, 1913

7:00

U Gem

074922

21.412.3

0659

50 E

U Puppis

075612

411.4

0700

56 E

0702

Photo.

V Cancri

081617

8.0

05

0703

1.13 E

X Lhs. May

083350

10.0

07

0706

1278

✓

S Hydrae

084803

8.0

7:00

0707

1.41 E

✓

Thursday, February 6, 1913

8" Polar Eq.

654231

0520

228

AL 901s

Thruph. Pelly Os
RZ Auriga

7:00

5

1982³Monday February 24, 1913

Thirty Gally Obs.

8th Polar Guntonia4^{actly}

030514

U Arietis

8.5

0549

7:28

244W

C

031646

RT Persei

10.3

0555

7:45

2.39

3316

0607

2.51

032043

γ Persei

9.2

0618

7:48.5

2.58W

C

033105

- Jauri

12.2

0623

7:54

2.52W

RM Jauri

035727

0627

2.30W

0357

0632

2.35

6

19823

8108

RX Lania

043208

10.8

0640

 2.08 W

Var on same chart

<12.2

8109

R Orionis

045307

0644

 1.51 W

V 1

050003

T Leporis

 050022

Sunday March 2, 1913

9:05

x Lem.

064030

<11.9

'0756

1.16W

✓

9:10

Rx

064333

9.1

0805

1.19W

22

✓

9:12

W Mon

864707

10.9

0807

1.20W

✓

9:16

Ru "

064907

<11.0?

✓

9:18

y "

065111

<12.0

0814

1.23W

✓

8

March 2, 1910

9.21

R Gmcis

065355

8.8

08 17

1.24

✓

9.23

RS Gen

065530

12.1

08 19

1.24 W

08 24

05 46

2.38

✓

9.26

Z Lami

054615

12.4

✓

9.27

RU Lami

12.3

✓

algot
exactly
9:36

RZ Aurigae

054231

11.5

08 28

14

246 W

⊙

March 2, 1913

U Aurigae 053531
 0835
 —————
 306

✓

U Can Min 073508
 0845
 —————
 1.10 W

211.9

9.50

✓

γ " " 070109
 0847
 —————
 1.46 W

211.6?

9.54

✓

β Gem. 070122a
 0852
 —————
 1.51 W

211.2

9.58

✓

γ Can Min 070310
 0856
 —————
 1.53 W

9.8

10.00

✓

10

March 2, 1913

10:07 IPR Mon $\begin{array}{r} 071201 \\ 0901 \\ \hline 1.49 W \end{array}$ 11.5?

10:12 S Can Min $\begin{array}{r} 072708 \\ 09047 \\ \hline 1.473,40 \\ 39 \end{array}$ 8.0

10:14 U Lem $\begin{array}{r} 074922 \\ \cancel{074922} \\ 0910 \\ \hline 1.21 \end{array}$ 212.0

10:15 U Puppis $\begin{array}{r} 075612 \\ 0911 \\ \hline 1.13 W \end{array}$ 211.4

Photo,

10:17 V Carini $\begin{array}{r} 081617 \\ 0912 \\ \hline 76 \end{array}$ 7.7

March 2, 1913

10'18

$\angle$ Alw Manj 0833.50 411.9
 0914

 41 W.

10'20

S Alphae 084803 10.6
 0915

 27 W

10'22

Hydrae 085008 $\angle$ 10.0?
 0917

 27 W

10'24

~~X~~ 11 093014 $\angle$ 11.5

 0920
 10 E

10'25

R Lon Min 093938 8.3
 0921

 1.8 E

12

March 2, 1913

RR Hydrae

094023

0923

178

9.3

10:31

IP Loris

094211

0930

129

7.1

10:34

X "

094512

0931

148

12.0

10:35

V Hydrae

104670

932

114

7.2

10:36

Lack of any stars

X Virginis

1156.09

934

2.22

10.3

10:38

March 2, 1913

1040

$$\begin{array}{r}
 R \text{ Cor 35} \quad 113919 \\
 \underline{937} \\
 2,22 W
 \end{array}
 \quad < 11.5$$

1042

$$\begin{array}{r}
 TV \text{ Argus} \quad 120903 \\
 \underline{939} \\
 2,30 W
 \end{array}
 \quad < 11.3$$

1045

$$\begin{array}{r}
 R \text{ Cor 1} \quad 121418 \\
 \underline{941} \\
 2,33 \checkmark
 \end{array}
 \quad < 10.0 \text{ Cloudy}$$

1048

$$\begin{array}{r}
 SS \text{ Argus} \quad 122001 \\
 \underline{943} \\
 2,37 C
 \end{array}
 \quad > 7.5$$

1049

$$\begin{array}{r}
 T \text{ Can Ven} \quad 122332 \\
 \underline{946} \\
 2,39 E
 \end{array}
 \quad 9.3$$

14

March 2, 1913

4 Virgin $\begin{array}{r} 122803 \\ 948 \\ \hline 240 \end{array}$ $\angle 8.5?$
 Cloudy

1055
 R " $\begin{array}{r} 123307 \\ 954 \\ \hline 2398 \end{array}$ 8.5

1057
 RU " $\begin{array}{r} 124204 \\ 955 \\ \hline 2479 \end{array}$ R Hydrae $\begin{array}{r} 132422 \\ 1002 \\ \hline 322 \end{array}$
 Cloudy

U $\begin{array}{r} 124606 \\ 958 \\ \hline 248 \end{array}$ $\angle 9.5?$
 Cloudy

RV " $\begin{array}{r} 130212 \\ 1000 \\ \hline 302 \end{array}$ $\angle 2.0$

A 1001s + Short Pulse
Feb 2, 1913

Effects

Venus May

090151

10101

1004

103 W

11.08

- Leo Min

0942 33'

10.1 ± 102 tent

1006

24

11.13

Mr Comp stars kept away

PU Camels 0710'

No More Stars

11:30

6.00

5.30

1.0 600

11:30 old

+ 30 new,

12.00

6.00

6.00 h

16

Wednesday March

Photog. & Spectro. Obs.

R¹ Rev

6:00

R¹ Rev

064030

42.0

807

✓

RX 11

064333

9.2

09

✓

W Mon

064707

14.0

8.11

✓

RW 11

064907

411.0?

8.16

✓

Y 11

0651.11

412.0

8.20

✓

March 5

22	Phyria	065355	8.9
----	--------	--------	-----

26	RS Luv	065530	12.2
----	--------	--------	------

29	Zami	054615	12.2
----	------	--------	------

31	RA Jan.	—	12.3
----	---------	---	------

33	PCu Mr ~~PZa~~	070310	9.9
----	--------------------------	--------	-----

Orion 3

Wingae

053531

to far west

8.39

Can Min

073508

c12.1

✓

8.22

γ " "

070109

< 10.9 days

✓

8.41

P Luv

070122a

< 10.9

8.45

PP Mon

071201

11.6?

8.50

Maner 3

S Can Wn 072708 8.1

8:52

↓

U Gem 074922 < 12.3? Hazy

8:55

↓

U Puppis 075612 < 11.4 Photo

8:59

↓

V Cancri 081617 7.8

8:59

↓

X Mus Wg 083350 < 11.9

9:03

↓

March 5

S Hydra 084803 ~~10.7~~ 10.7

9:07

↓

T " 085008 <10.0?

9:11

Poor seeing
↓

T " 093014 11.0

9:13

Poor seeing
↓

R Leo Min 093934 8.4

9:19

↓

RR Hydra 094023 9.2

9:23

↓

March 5

9:25 R Loris 09421 7.0

↓

9:27 X " 09452 212.2

↓

9:32 14gr 104620 7.3?

↓

9:35 X Virgo 115609 10.3?

↓

9:39 R Carina 115919 211.4

↓

March 5, 91

TVirgo 120905 11.4

9:44

RCom 121418 10.5? Cloudy

9:48

SSVirgo 122001 7.5

9:54

TCorVir 122532 9.2

9:56

TVirgo 123307 8.4

10:00

$$\begin{array}{r}
 11.80 \\
 6.50 \\
 \hline
 5.00
 \end{array}$$

March 12, 1913

Thy. Kelly Obs.

15" Polar Exp.

Exactly
8:45

U Uro Way 090151

10.2

PW Gun 055523

10.2

to
8:50

Vavou Sans Chart

10.9

8:52

SV Lami

9.50

7:55

U Gun

074922

13.7

7:50

24

March 12, 1913

8" Polar

Judeum T

8:55

V Can Min

070109

< 11.7

0848

1.47W

P Gem

8:56

070122a

< 11.7

0855

1.54W

P Can Min

070310

856

1.53W

903

200

0703
0908
2,05

PP Mon.

071201

0902

1.50W

S Can Min

0727.08

March 12, 1913

8" Polar

U Puppis

075612

V Cancri

081617

X Urs Major

083350

S Hydrae

084803

T Hydrae

085008

26

Sid T

Friday March 28, 1963

Polaris

Polaris

9:30

PR Mon

071201

11.0? cloudy

0926

2.14 W

9:31

V. Can Min

070109

11.9

0930

2.29 W

9:33

R Gem.

070122a

11.8 Photo wanted

0932

2.31 W

9:44

R Can Min

070310

10.3

0934

2.31 W

9:47

S Can Min

072708

7.9

0945

2.18 W

March 28, 1913

9:48 U Gem 0749 22 13.6 15" Ten

9:51 U Puppis 0756 12 11.4? Photo wanted

$$\begin{array}{r} 0756 12 \\ - 09 49 \\ \hline 1,53 W \end{array}$$

9:55 V Cancri 0816 17 8.5

$$\begin{array}{r} 0816 17 \\ - 09 54 \\ \hline 1 36 \\ 1 38 \end{array}$$

9:57 α Urs Major 0833 50 11.5

$$\begin{array}{r} 0833 50 \\ - 08 16 \\ \hline 0956 \\ 1 23 \end{array}$$

9:59 δ Hydrae 0848 03 9.0

$$\begin{array}{r} 0848 03 \\ - 09 58 \\ \hline 1,10 \end{array}$$

28

id. Time

March 28, 1913

10:08

T Hydrae

08 50 08

10 0K

1.14 W

10.98 cloudy

Photo counter

10:10

X "

09 30 14

09 10

.40 W

211.0? cloudy

RR "

09 40 23

cloudy

10:12

R Leonis

09 42 11

10 12

30

6.6

10:15

IP " Min

09 39 24

10 14

25

35

9.1

March 28, 1913

10.17 X Leonis 094512 <12.0

$$\begin{array}{r} 1016 \\ \hline .31W \end{array}$$

10.20 V Hydrae 104620 <11.3? Chaney

$$\begin{array}{r} 1018 \\ \hline 288 \\ 21 \\ \hline 5 \\ 23 \end{array}$$

10.25 X Virginis 115609 10.2

$$\begin{array}{r} 1026 \\ \hline 130 \end{array}$$

10.28 R Comae Ber. 115919 <11.7?

$$\begin{array}{r} 1028 \\ \hline 131 \end{array}$$

10. T Virginis 120905 <11.9

$$\begin{array}{r} 1029 \\ \hline 140 \end{array}$$

16 33

1P Bootes

143227

<10.9? Clouy

1630

1.584

16 36

Y "

142539

9.2

1634

2.09

PS Virg

142205

8.5?

1.637

2.15

S Bootes

141954

<11.8

1642

2.23

Z "

140113

1646

2.45

19 Hercules 160118 < 9.5 Cloudy
 1648
 —————
 47 W

SS " 162807 11.5?
 1651
 —————
 23 W

RT " 170627 < 11.0 Cloudy
 1655
 —————
 11 E

U Her. 162119
 1838
 —————
 2.37 W

March 31, 1913, Monday

Z Aurigae 055353 10.3

PW Gem 055523 10.1

sus Vavou same chart 10.8

RZ Gem 055622 10.3

SS " 060222 9.6

X Aurigae 060450 8.6?

SS " 060547 < 11.7

V Mon 065111 < 12.3

X Gem 064030 < 11.5?

TX Gem 064333 9.2

March 31, 1913

WMen 064207 ≈ 11.5 ? CloudyRU Men 064907 < 11.9 ?V Can Men 070109 < 11.5 PS Gen 065530 < 11.5 RR Men 071201 < 11.5

March 31, 1913

P Eum 0701229 411.5

P Can Mai 070310 411.0?

S " " 072708 7.9

U Eum 074922 411.3

U Puppis 075612 411.7°

March 31, 1913

V Cancri	0816.17	8.2
----------	---------	-----

x UMa	083350	< 11.4
-------	--------	--------

S Hydru	084803	9.5
---------	--------	-----

T 11	<u>085008</u>	10.5? Clear
------	---------------	-------------

x "	<u>093014</u>	< 11.5
-----	---------------	--------

March 31, 1913

R Loris	094211	6.5
---------	--------	-----

R Loris	093939	9.1
---------	--------	-----

x Loris	094512	11.8
---------	--------	------

V Lydell	<u>104620</u>	7.8
----------	---------------	-----

x Lydell	115609	10.2
----------	--------	------

April 1, 1913, Tuesday

8" Polar eq.

Philip G. Fully Jr.

Zaurigde 055353
 0837
 2,44 W

10.3

✓

1PW Gem, 0555.23
 0840
 2,45 W

10.1

✓

Sus. Var on same chart 108

sia. In
 exactly
 8.50

RZ Gem 0556.22
 0847
 2,51 W

10.3

✓

SS Gem 060.222
 0850
 2,48 W
 0904
 3 02

9.6

✓

April 1, 1913

X Aurigae 060450 P.6?
 $\begin{array}{r} 0909 \\ \hline 3.05 \end{array}$

SS " 060547 L11.7
 $\begin{array}{r} 0912 \\ \hline 307 \end{array}$

Y Mon ~~064702~~ 065111 L12.3
~~0915~~ 0927
 $\begin{array}{r} 2.58 W \\ \hline 2.36 W \end{array}$
~~065111~~

X Gem 064030 L11.5?
 $\begin{array}{r} 0918 \\ \hline 2.38 W \end{array}$

RX " 064333 92
 $\begin{array}{r} 0922 \\ \hline 2.39 W \end{array}$

April 1, 1913

W Mon

064707

0930

2,430

11.5? cloudy

R THU "

064907

0930

241

<10.9? r

R Lyra's

065355

0936

3,430

Bulday is very

V. Can Min

070109

0946

245

<11.5

RS Luv

065530

0939

2,440

<11.5

RR Mon.
Z Lami

071201

0942

230

<11.5?

April 1, 1913

R Gem.

070122a

L11.5

09 48

2 47

R Can Min

070310

L11.0?

09 49

2 46

S " "

072708

7.9

09 53

2 26

U Gem

074922

L11.3

09 55

2 06 W

U Puppis

075612

L11.5

09 58

2 02

April 1, 1913

Kancii

081617

8.13

0939

143

X Clus. May

083350

411.6

1002

1,29W

SHydra

084803

9.4

1004

116

Photo weather

T "

085008

<16.2? cloudy

1010

1.20W

X "

093014

<11.3

1011

41

April 1, 1913

R Leo 094211 6.5
 $\begin{array}{r} 1013 \\ \hline 31 \end{array}$

R Leo. Min 093934 9.1
 $\begin{array}{r} 1014 \\ \hline 35 \end{array}$

X Leo 094512 2120
 $\begin{array}{r} 1015 \\ \hline 30W \end{array}$

V Hydra 104620 $\hat{A} > 7.2$
 $\begin{array}{r} 10.17 \\ \hline 292 \end{array}$

X Virgo 115609 10.2
 $\begin{array}{r} 1018 \\ \hline 138 \end{array}$

Tuesday October 21, 1913

8" Polar Eq. 8.3 Full 88° E. of N. (Ch.)
 Regittain 180218 ✓

T. Harauke 180531

SS Cygn 213843 12.0

✓

Ry Sp. hincchi 181108 L 10.4 Haze

✓

V. Serpens 181115 L 10.0 Clouds

✓

October 25, 1913.

W Lyrae	181136	$\angle 10.3$ Hare?	$\angle$
---------	--------	---------------------	----------

R Scuti	<u>184205</u>	$\angle 9.5$? Clouds	$\angle$
---------	---------------	-----------------------	----------

Z Lyrae	185634	9.6	$\angle$
---------	--------	-----	----------

Susp. various same chart		12.2	$\angle$
--------------------------	--	------	----------

W Aquila	<u>191007</u>	$\angle 10.0$?	$\angle$
----------	---------------	-----------------	----------

R Sagittarii	<u>191019</u>	$\angle 9.5$? Clouds	$\angle$
S " "	<u>191319</u>	$\angle 9.5$? Clouds	$\angle$

October 21, 1913

Ty Cygni	192928	< 12.5	$\hookleftarrow$
----------	--------	----------	------------------

RJ Aguale	193311	< 11.09	$\hookleftarrow$
-----------	--------	-----------	------------------

R. Cygni	193449	< 12.6	$\hookleftarrow$
----------	--------	----------	------------------

R. f. "	194048	8.7	$\hookleftarrow$
---------	--------	-----	------------------

RV Agulde	193509	< 10.09	$\hookleftarrow$
-----------	--------	-----------	------------------

X "	194604	< 11.0	$\hookleftarrow$
-----	--------	----------	------------------

October 1, 1913.

M Cygni 194632 6.2

✓

RR Sag. 194929 7.6?

✓

R R Aquilae 195202 ✓ 11.2?

✓

S Cygni 200357 To far north

✓

Sagittar 2007162 11.1

✓

October 21, 1913.

Z. Aquilae 200906 $\angle 11.5$

L

R. Delphini 201008 $\angle 10.6?$

L

V. Sagittae 201520 $\angle 10.7$

L

V. Cygni 201647 $\angle 7.8$

C

S. Cygni 202954 $\angle 11.7$

C

October 26, 1913.

Ylgnai	203847	10.1	✓
--------	--------	------	---

~~Ylgnai 203905 11.2~~

Ylgnai	<u>203905</u>	11.2	✓
--------	---------------	------	---

Wagnai	<u>204104</u>	9.5 Haze	✓
--------	---------------	----------	---

J "	<u>204405</u>	11.3	✓
-----	---------------	------	---

October 25, 1913

x Delphi 205017 8.5

✓

BR Cephei 205627 11.1 Stone

✓

R Vulp. 205923 11.1

✓

W Cygni 210245 11.7

✓

ES Aquarii 210504 11.8

✓

October 21, 1913

γ Capricorn	<u>210516</u>	$\angle 11.5$	$\angle$
--------------------	---------------	---------------	----------

Regulus	270812	11.39	$\angle$
---------	--------	-------	----------

RR Aquarii	<u>210903</u>	$\angle 11.79$	$\angle$
------------	---------------	----------------	----------

X Regasi	241614		$\angle$
----------	--------	--	----------

RR Pegasi	214024	$\angle 12.2$	$\angle$
-----------	--------	---------------	----------

October 21, 1913.

V Pegasus 215605 $\Delta < 11.4$

✓

R J Pegasus 215934 $\Delta < 11.7$

✓

X Aquarius 221321 $\Delta < 10.3?$

✓

S Lacertea 222439 8.8

✓

S Aquarius 225121 $\Delta < 10.5$ Hare

✓

October 31 1913

R. W. Pegasi 225914 ≈ 210.6

C

R. Pegasi 230110 8.14

C

S. J. And. 233335 9.2

C

R. Aquam 233813 9.0

C

R. R. Cassi 235053 ≈ 71.5

C

20062

October 25, 1913

	R Cass.	235330	9.2 L	
	γ Cassiope	235855		
Q	X Andro	001046	< 12.2	✓
Q	J Andro	001726	< 11.7	✓
Q	J Cass.	001755	7.7	L
Q	R Andro.	001838	< 11.7	✓
Q	δ Ceti	<u>001909</u>	< 11.3 ~~note~~	L
Q	R X Cass	004746	12.1	L
	Variable		< than 12.3	L
Q	on same chart w Cass	004958	< 12.5	L
Q	π Ceti	<u>010102</u>	< 10.5 ~~note~~	L

Start all night? good seeing telescope?
7:00

55

Monday, June, 2, 1913.

Thurs. Paily Obs.

8th Polar Eq.

V Hydrae $\begin{array}{r} 104620 \\ 1412 \\ \hline 8.2.6W \end{array}$

X Virgins $\begin{array}{r} 11413 \\ 115609 \\ \hline 2.17W \end{array}$ 10.3

R Comae Ber. $\begin{array}{r} 115919 \\ 217W \end{array}$ 10.5

R Comi $\begin{array}{r} 121418 \\ 205 \end{array}$ ≥ 10.0

T Virgins $\begin{array}{r} 120905 \\ 212 \end{array}$ 9.4 9.4

SS Vir.

$$\begin{array}{r} 1425 \\ 122001 \\ \hline 2.05W \end{array}$$

8.9

T. Can Van

$$\begin{array}{r} 122532 \\ 1431 \\ \hline 2.06W \end{array}$$

11.0

Y Virgin

$$\begin{array}{r} 122803 \\ 1433 \\ \hline 2.05 \end{array}$$

12.0

R "

$$\begin{array}{r} 123307 \\ 1439 \\ \hline 2.06 \end{array}$$

9.9

$$\begin{array}{r} 1444 \\ 123307 \\ \hline 2.11 \end{array}$$

R4 "

$$\begin{array}{r} 124204 \\ 1449 \\ \hline 2.07 \end{array}$$

10.3

$$\begin{array}{r} 1442 \\ 1451 \\ \hline 2.09 \end{array}$$

u Vir

124606

> 10.0?

$$\begin{array}{r} 1455 \\ \hline 2,09 \end{array}$$

RV "

130212

> 12.0

$$\begin{array}{r} 1458 \\ \hline 156 \end{array}$$

R Bootis

1413227

8.1

$$\begin{array}{r} 1501 \\ \hline 29 \end{array}$$

Y "

142539

10.2

$$\begin{array}{r} 1505 \\ \hline 40 \end{array}$$

R S Vir

142205

10.9

$$\begin{array}{r} 1507 \\ \hline 45 \end{array}$$

S Bootes

141954

10.4

1510

51

Z "

140113

> 10.0?

1513

112

Rau Van

1517

134440

8.3

1515

131

133

TV UMa

132954

11.9

1519

150

Light Var/season

R Hyae

132422

7.9

1521

157

S Vh

132702

10.9

1524

157

PS Bootes

142932

9.5

1526

057

1527

1429

58

1532

1427

105

~~WZ Sae~~~~181119~~

7 11.5? cloudy

R Tril

130018

1532

36

R Aur.

160118

10.1

1538

238

SS 1

162807

10.5

1541

47

RT Her.

170627

212.0

1543

1,218

W Vir

132002

10.2

V Vir

132202

10.4

1547

225

Tuesday June 3, 1913

8" Polar Eq.

X Virgin

1156.09

141.0

2.14 W

10.2

~~Phy. Dept. 1913~~

P Com. Ber.

1159.19

14.19

2.12 W

21.3

10.4? cloudy

P Corio

1214.18

14.15

2.01

< 10.5? cloudy

T Virgin

1209.05

14.16

2.07 W

9.4

88 "

1220.01

14.18

1.58 W

9.10

Tan Ven

122532

10.9

1420

155

Spent about 2.00 hours fixing fuel cell plug tubes were
loosened out by falling screw.

63

Monday June 9, 1913
R. H. St. John

J. H. St. John

T. H. St. John

122532

10.6

1536

311W

P. Virgo

123307

1540
307

9.7? at 15⁴⁰
lights 15⁴⁵

U. "

124606

83

1543
2,57W

P. Bootes

1413227

7.5±

1545
113W

Y "

142539

10.2

1547
122W

PS Vir.

142205

9.8

1552

1.30w

$$\begin{array}{r} 16.03 \\ 13.24 \\ \hline 239 \end{array}$$

S Bootis

141954

10.5?

1554

1.33w

I "

140113

< 10.5? Cloudy

1555

1.54w

R Can Ven

134440

8.4

1558

2.14

RV UMa May

132954

11.1

1600

2.31w

RT Vega

$$\begin{array}{r} 132422 \\ 1603 \\ \hline 239 \text{ W} \end{array}$$

84

S Vega

$$\begin{array}{r} 137705 \\ 1686 \\ \hline 2.39 \text{ W} \end{array}$$

10.8? Cloudy

RT Boot

$$\begin{array}{r} 142932 \\ 1687 \\ \hline 1.38 \text{ W} \end{array}$$

9.8? Cloudy

RT Lili

$$\begin{array}{r} 150618 \\ 1611 \\ \hline 1.11 \text{ W} \end{array}$$

< 11.0? Cloudy

RT Herculis

$$\begin{array}{r} 1960118 \\ 1613 \\ \hline 12 \text{ W} \end{array}$$

9.3

SS Rev.	$\begin{array}{r} 162807 \\ 1615 \\ \hline 138 \end{array}$	9.8
---------	---	-----

RT "	$\begin{array}{r} 170627 \\ 1618 \\ \hline 498 \end{array}$	< 12.0
------	---	--------

y lib	$\begin{array}{r} 160605 \\ 1625 \\ \hline 194 \end{array}$	$\begin{array}{r} 211.6 \text{ Cloudy} \\ 1506 \\ 1628 \\ \hline 122 \end{array}$
-------	---	---

S v	$\begin{array}{r} 151520 \\ 1629 \\ \hline 1.14 \text{ w} \end{array}$	9.0 ± Cloudy
-----	--	--------------

S Supts	$\begin{array}{r} 75714 \\ 1632 \\ \hline 1.13 \text{ w} \end{array}$	12.0?
---------	---	-------

M Hill

$$\begin{array}{r}
 151822 \\
 1635 \\
 \hline
 1,174 \\
 1639 \\
 152714 \\
 \hline
 1,124
 \end{array}$$

 < 11.7 PCor B₂

$$\begin{array}{r}
 154428 \\
 1642 \\
 \hline
 58
 \end{array}$$

 $6.2 \pm$

$$\begin{array}{r}
 1684 \\
 1544 + 137 \\
 \hline
 1
 \end{array}$$

IP Ser

$$\begin{array}{r}
 154426 \\
 1644 \\
 \hline
 100
 \end{array}$$

not $< 9.9??$, not sure

TZ Scyphi

$$\begin{array}{r}
 155823 \\
 1647 \\
 \hline
 49
 \end{array}$$

 < 11.6 Hay?

= Cron

$$\begin{array}{r}
 155229 \\
 1630 \\
 \hline
 58
 \end{array}$$

 $10.3?$

Z Scorp.

$$\begin{array}{r} 160021 \\ 1657 \\ \hline 57 \end{array}$$

<10.7 clency

U Scorp.

$$\begin{array}{r} 160210 \\ 1658 \\ \hline 56 \end{array}$$

<12.0

H X Scorp.

$$\begin{array}{r} 160324 \\ 1659 \\ \hline 54 \text{ cl} \end{array}$$

<12.2

2U Her.

$$\begin{array}{r} 160625 \\ 1703 \\ \hline 59 \end{array}$$

<11.5

W Cen

$$\begin{array}{r} 161138 \\ 1708 \\ \hline 59 \end{array}$$

9.9

$$\begin{array}{r} 1710 \\ 1611 \\ \hline 59 \end{array}$$

Monday June. 23, 1913

Thompson's Riley Obs.

8th Phase

RV Virgins

130212

1603

3.01W

to jaw west for dec.

1P Bootes

143227

1604

1.32

7.9

V "

142539

1607

1.42W

9.4

1P S Vir.

142205

1609

1.47W

8.1

Bright star in region that seems to me
to be new star? Today.

142205

1613

1.51W

S Bootis

141954

1617

1.58W

10.4

Z "

140113

1619

2.18W

RT Librae

$$\begin{array}{r} 150\ 018 \\ 1630 \\ \hline 1,30W \end{array}$$

<11.7

RT Hercules

$$\begin{array}{r} 160118 \\ 1633 \\ \hline 34 \end{array}$$

8.6

SS ..

$$\begin{array}{r} 162807 \\ 1038 \\ \hline 10 \end{array}$$

9.7

RT ..

$$\begin{array}{r} 170627 \\ 1639 \\ \hline 27 \end{array}$$

9.5

~~RT ..~~~~RT ..~~
in Librae

$$\begin{array}{r} 150603 \\ 1641 \\ \hline 1,35 \end{array}$$

<11.6

$$\begin{array}{r} \text{S Libran} \quad 151520 \\ \underline{1646} \\ 1,314 \end{array}$$

9.5

$$\begin{array}{r} \text{S Serpentes} \quad 151714 \\ \underline{1649} \\ 1,32 \end{array}$$

<11.0

Want a Photo chart of
this region.

$$\begin{array}{r} \text{RS Libra} \quad 151822 \\ \underline{1650} \\ 1,32 \end{array}$$

9.1 ?

fraction of lib.

$$\begin{array}{r} \text{RY " } \quad 152714 \\ \underline{1657} \\ 1,30 \end{array}$$

<12.2

$$\begin{array}{r} \text{U " } \quad 1536202 \\ \underline{1689} \\ 1,23 \\ \hline 1536206 \end{array}$$

P Cor Bore

154428

6.2 ±

1713

$$\begin{array}{r} 154428 \\ 1713 \\ \hline 1.29W \end{array}$$

RZ Scorpio

155823

88

1713

$$\begin{array}{r} 155823 \\ 1713 \\ \hline 1.17W \end{array}$$

- Coronae

155229

1717

$$\begin{array}{r} 155229 \\ 1717 \\ \hline 1.26W \end{array}$$

22

$$\begin{array}{r} 22 \\ \hline 1.27 \end{array}$$

Z Scorpio

160021

C 12.0

1723

$$\begin{array}{r} 160021 \\ 1723 \\ \hline 1.23 \end{array}$$

1.23

~~17 Hercules~~~~160118~~

C 12.1 or 12.2

Q Serpens

1728

1.27

$$\begin{array}{r} 1729 \\ 160210 \\ \hline 1.27 \end{array}$$

$$\begin{array}{r} \text{RX Scorp} \quad 160324 \quad < 11.3 \\ \hline 1730 \\ \hline 1.23 u \end{array}$$

$$\begin{array}{r} \text{Rd Her.} \quad 180625 \quad < 12.0 \\ \hline 1734 \\ \hline 1.28 u \end{array}$$

$$\begin{array}{r} \text{W Cor.} \quad 161138 \quad < 11.3 \\ \hline 1737 \\ \hline 1.26 u \end{array}$$

$$\begin{array}{r} \text{W Cor.} \quad 8.0 \pm \\ \text{V Cephei} \quad 162112 \\ \hline 1744 \\ \hline 1.23 u \end{array}$$

$$\begin{array}{r} \text{U Her.} \quad 16249 \quad 8.9 \\ \hline 1750 \\ \hline 1.29 \end{array}$$

BB Acc

163137

8.8?

$$\begin{array}{r} 1753 \\ \hline 1.22 \text{ w} \end{array}$$

photo.

PR Cephe.

164319

< 8.9? cloudy

$$\begin{array}{r} 1755 \\ \hline 1.12 \text{ w} \end{array}$$

S Acc

164715

10.7

$$\begin{array}{r} 1756 \\ \hline 1.09 \end{array}$$

SS Cep.

165202

< 10.7

$$\begin{array}{r} 1659 \\ \hline 7 \end{array}$$

RV Her.

165631

< 11.7

$$\begin{array}{r} 1802 \\ \hline 1.6 \end{array}$$

September 3, 1913 Wednesday

Philip S. Mearns Obs.

8th Blw Eq.

W Lyrae

18 11 36

$\angle 11.9^\circ$

20 38

228 W

2 49

SV Mace.

18 31 49

$\angle 12.4^\circ$

20 45

2,14 W

Z Lyrae

18 56 34

21 03

2,17

SS Cygni

21 38 43

12.0

21 01

302

Monday, Sep. 29, 1913

Sagitta 200715
 $\frac{2328}{3.21W}$

Burton

Y Aquarii 203905
 $\frac{2415}{3.36W}$

Burton

V Lel, 204318
 $\frac{2417}{334}$
 SS Cygni 213843
 $\frac{2426}{248}$

12.0

V V " 210245
 $\frac{2430}{3.28}$

S Lacertae 222459
 $\frac{2440}{2.16}$

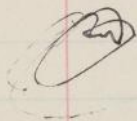
See Pages 44-54 inclusive
 October 25, 1913

77

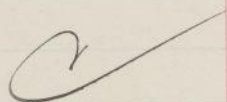
20062

P.E. Karyan

R Piscium 012502 10.4 No Comp. Stars. L



γ And. 013338 12.2 L



β W And 013238 11.2 L



κ Cass. 014958 10.6 L



Susp. Var on same chart 10.5 L

October 21, 1913.

R Aetivis	021024	10.0	
-----------	--------	------	--

✓

R And	021143	10.5	
-------	--------	------	--

✓

S Per	021258	9.49	
-------	--------	------	--

✓

S Per	021558	9.2	
-------	--------	-----	--

✓

Ward Photo.

G Ceti	021403	8.9	
--------	--------	-----	--

✓

October 21, 1913

R Ceti

022500

8.3

C

L

R R Per

022150

C 11.4

C

V

R Fornax

022426

C 10.9 Haze

C

V

R Trianguli

123133

8.3

C

V

J Fructus

024217

9.1

C

V

W. Persi

024356

9.3

V

20063

Wednesday, October 22, 1923

Philip G. O'Reilly obs.

8th Polar Eq.

Z Lyrae

185634

9.6

✓

21 29

Suspension on 233W

121⁴⁷_{21 38}
9

✓

33

SS Cygni

21 33 37
21 38 43
3

12.0

✓

Ry Alpheia

181103

11.4

✓

21 39

328W

V Serp

181115

9.5? clouds,

✓

21 42

331

W Lyrae

181136

10.3?

✓

21 43

3,32

4.8

334

7

SV Utae

18349

20 far faded

21 57

326W

October 22/1913

RZ Hercules 183225 cloudy

$$\begin{array}{r} 22.00 \\ \hline 3.28 \end{array}$$

R Senti

184205

6.5

L

$$\begin{array}{r} 2202 \\ \hline 320 \end{array}$$

X Wagnier

191007

4.12 11.0

L

$$\begin{array}{r} 2205 \\ \hline 235 \end{array}$$

194604

$$\begin{array}{r} 2125 \\ \hline 239 \end{array}$$

239

TY Cygnus

192 928

2.12.9

L

$$\begin{array}{r} 2209 \\ \hline 240 \end{array}$$

240

RT Aquila

193311

9.14

L

$$\begin{array}{r} 2215 \\ \hline 2.42 \end{array}$$

2.42

R Cygnus

193449

2.13.0

L

RT "

194048

$$\begin{array}{r} 2021 \\ \hline 7241 \end{array}$$

$$\begin{array}{r} 7241 \\ \hline 2020 \end{array}$$

246

8.5

L

82 10

Oct 22/913

X Cygni

$$\begin{array}{r} 194632 \\ 2226 \\ \hline 240 \end{array}$$

6.8

L

RR Sag.

$$\begin{array}{r} 194929 \\ 2129 \\ \hline 240 \end{array}$$

< 9.4? Hazy

L

RR Aquilon

$$\begin{array}{r} 195202 \\ 2130 \\ \hline 238 \end{array}$$

S Cygni

$$\begin{array}{r} 2232 \\ 200357 \\ \hline \end{array}$$

S Aquila

$$\begin{array}{r} 22321 \\ 20075 \\ \hline \end{array}$$

11.3

L

RU "

$$\begin{array}{r} 200812 \\ \hline \end{array}$$

< 12.8

$$\begin{array}{r} 2236 \\ 2008 \\ \hline 228 \end{array}$$

Z "

$$\begin{array}{r} 200906 \\ 2239 \\ \hline 2,300 \end{array}$$

9.8

L

Oct 22, 1913

P Del.

201688

8.3

2244

234

C

SX Cyg

201130

213.0

2231

240

C

U Sag.

201520

212.9

2255

240

C

U Cyg

201647

7.8

2239

243

2301

2636

225

C

ST "

202954

11.2

304

235

C

20

Oct 22, 1913

Vagari

203847

 ≤ 12.8 2308

230

36

✓

Yaguaru

203905

 ≤ 11.7 2317

236

✓

Vdel,

204378

 ≤ 12.7 2322

239

Waguaru

204104

 $\leq 11.9?$ 2330

249

✓

T "

204405

 ≤ 11.6 2334

250

✓

Oct 22, 1963

X Cepheus

203017

L 12.3

2348

2582

52

302

HIP Cap.

205627

L 10.0

2357

301

P Vul.

205923

10.3

2309

3

1 W

V Vagari

210245

L 12.3

2405

303

P Saguari

210304

L 12.4

2407

302 W

86

2419-10

30

Oct. 22, 1913

Z Cass.

$$\begin{array}{r} 210516 \\ 2109 \\ \hline 2094 \end{array}$$

>10.6 Hazy

L

R Equulei

$$\begin{array}{r} 210812 \\ 2411 \\ \hline 3 \end{array}$$

10.95

L

R R Aquarii

$$\begin{array}{r} 210903 \\ 2413 \\ \hline 6 \end{array}$$

>11.1 cloudy

L

R R Peg

$$\begin{array}{r} 214614 \quad 214024 \\ 2417 \quad 2420 \\ \hline 1 \quad 240 \end{array}$$

>12.3

L

V "

$$\begin{array}{r} 215605 \\ 2424 \\ \hline 228 \end{array}$$

>10.3?

L

Oct 22, 1913

TT Peg

215934

2428

228

>11.7?

✓

X Aquarii

221321

2433

2.20 W

>11.5 Cloudy

✓

TT "

221722

2433

218

>11.4 Cloudy

✓

SLacertae

222439

36

12

8.9

✓

S Aquarii

223120

39

148

>10.8

✓

88

40 10:43:11

Oct 22, 1913

NW Peg

225914

2442

143

11.0?

✓

S "

231508

2449

134

8.8

✓

R "

230110

2453

132

8.6

✓

ST And

233335

2436

123

9.0

✓

Peg waii

233815

2459

121

9.1

✓

20063

Oct 22, 1913

M Car

235053

2/2.1

2502

1.12

✓

M Car

235350

9.3

2508

1.11

✓

y Car.

235855

2/2.1

2506

1.08

✓

w "

004958

2/2.4

0109

20w

✓

x ang.

001046

2/2.2

0112

1.02

✓

50

Oct 22, 1913

T_{Case},

001735

7.9

$$\begin{array}{r} 0115 \\ \hline 1.02 \end{array}$$

✓

T_{and},

001726

211.6

$$\begin{array}{r} 0015 \\ \hline 58 \end{array}$$

a

✓

P "

001838

711.7

$$\begin{array}{r} 0018 \\ \hline \end{array}$$

c

✓

P W "

004132

211.9 cloudy Hazy

$$\begin{array}{r} 0120 \\ \hline 39 \end{array}$$

c

✓

S Ceti

001909

29.5 Clouds

$$\begin{array}{r} 0124 \\ \hline 105 \end{array}$$

c

✓

Oct 22, 1913

RV Cass.	004746 0123 38 40	12.2	✓
----------	----------------------------	------	---

Voronov's chart	✓ 12.3	✓
-----------------	--------	---

Z Cete	010102 0131	✓ 10.8	✓
--------	----------------	--------	---

could sustain but would not
get higher because
there was no very star
AB.13

π Persei	012502 0134 9	117±	✓
--------------	---------------------	------	---

Yang.	013338 40	✓ 12.1	✓
-------	--------------	--------	---

RA "	013238	11.2	✓
------	--------	------	---

92

61

Oct. 22, 1913

$$\begin{array}{r} 014958 \\ 147 \\ \hline 28 \end{array}$$

x Cars,

~~12.3~~ 10.6

✓

✓

Subsp. form cancel out

16.5

✓

RV Aurulis

165631

C12.5

$$\begin{array}{r} 20.50 \\ \hline 3.54 \end{array}$$

17 ~~to~~ Her

170627

C11.0

$$\begin{array}{r} 20.54 \\ \hline 3.48 \end{array}$$

Z Alph

171401

26

93

Monday Oct 27, 1913.

Thurs 27 Oct 1913

8:11 pm
~~Oct~~

213843

SS Cygni

12.0

2034

1048

49

49

✓

RV Her.

165631

12.5

L

RT Her

170627

11.6

L

Z Oph

171401

10.6

L

2037

343

171723

RS Her.

12.0

L

59

342

Oct 27, 1913

R4 Cep

172809

412.3

✓

2101

333

R5 "

174006

411.0

✓

2105

321

R6 He

175519

2109

314

05

1755
21181755
315

2114

1755
319

T Her.

180531

7.9

✓

2119

301

314

2123138
185619
22720

Z Lyrae

185634

9.2

✓

Susp Par on same chart 12.1

✓

Oct 27 1913

Ry Alphi

181103

7.9

✓

2183

322

$$\begin{array}{r} 1811 \\ 2183 \\ \hline 326 \end{array}$$

SV Hae

183149

Sagun

225120

< 11.6

✓

T "

204403

< 11.6

✓

y "

203903

< 11.5

✓

Oct. 27, 1913

Z' Sant:

183705

9.3

L

SZ Aquic

190301

7.0

L

RCeti

022000

8.6

V

RPiscem

01542

211.0

V

W Sgrae

1811.36

18.7

L

Oct 27, 1913

 λ Cygni

194632

5.7

L

 λ Z "

193056

9.9

L

U "

201647

7.9

L

R "

193449

 < 12.6

L

R Vul

205923

 < 10.2

L

R Peg

230110

8.5

L

1/2 to plate
 193 Oct 27, 1913

20069

October 28, 1913, Tuesday

Thyrs of July 11

8^h Polar
Shackleton

222439

9.5

✓

RW Peg

225914

29.6

✓

RW Peg

231508

29.5?

✓

2 Cuvul

001046

212.5

✓

C

T Cass

001755

7.9

✓

✓

Oct 28, 1913

Tand,	001726	4/2,0	L
-------	--------	-------	---

C

R "	001838	4/1.7	L
-----	--------	-------	---

e

RU "	004132	4/1.7	B
------	--------	-------	---

C

L

V "	004435	9.4	L
-----	--------	-----	---

C

RR 7	004533	4/2.0	L
------	--------	-------	---

C

October 28 1913

S Ceti

001909

Z 12.0

✓

✓

R V Can

004746

12.2

✓

✓

Var on same chart

4/2.3

✓

Z Ceti

010102

11.8

✓

✓

R Pis

012502

11.4 ±

✓

✓

Oct. 28, 1913

RH And

013238

10.8

①

✓

y

"

013338

11.0

①

✓

X Cass

014958

11.3

①

✓

Suo. var. on same chart

10.8

✓

R Aietis

021024

10.6

①

✓

October 28, 1913.

Wand.	021143	10.7	✓
	✓		
o Ceti	<u>021403</u>	9.0	✓
	✓		
RR Pscii	022150	11.8	✓
	✓		
RR Lii	023138	8.6	✓
	✓		
T Aulis	024217	8.7	✓
	✓		

October 28, 1913

W Pin	024356	9.4	
C			L

W Ant	030514	12.2	
C			L

TT Per	031646	10.5	
			L

Y "	032043	9.5	
C			L

- Jauri	033105	12.3	
			L

Oct 28

193

 π W Cam

034658

C/6.5?

2

SS Cygni

213843

11.9

✓

October 30, 1913, Thursday

8th Polar Eq.

Pulse 80 gals

SS Cygni

213843

12.0

1

✓

RV Her.

163631

< 2.1 wrote same

21 08

4.12 W

1702

RV Her.

170627

cloudy

21 10

4.04 W

Z Her

183639

9.6

✓

21 11

213

Susp Var unsure about 12.1

✓

RV Aphi

151103

8.2

21 14

3.03

✓

Oct 30, 1913

V Sup.

$$\begin{array}{r} 181115 \\ 217 \\ \hline 306 \end{array}$$

Cloudy

try again

Wynne

$$\begin{array}{r} 181136 \\ 217 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 2119 \\ 181136 \\ \hline 308 \end{array}$$

10.6 clouds

SV Allen

$$\begin{array}{r} 183149 \\ 2139 \\ \hline 305 \\ 08 \end{array}$$

$$\begin{array}{r} 1832 \\ 44 \\ \hline 1812 \end{array}$$

~~Cloudy~~
 Clouds
 passing
 White
 now, very
 blue
 (two) stars
 pg 18

20072

Friday, October 31, 1913

Thrup 80 Ratty Olsen

8" Plan Eq.

X Anal.

001046

C 12.1

08.07

C

7.57 W

$$\begin{array}{r} 02.10 \\ 00.17 \\ \hline 8.27 \end{array}$$

✓

T Can

001755

10.0

C

✓

T and.

001726

42.0

O

✓

17 "

001838

41.0

Photo

0214

$$\begin{array}{r} 0214 \\ \hline 56 \end{array}$$

✓

RW

004132

41.4

17

C

$$\begin{array}{r} 17 \\ \hline 1.36 \end{array}$$

✓

Oct 31, 1913

V And,

004435

9.6

0219

135

C

✓

W R "

004533

11.4

0220

135

C

✓

S Ceti

001909

10.5? Photo

22

203

C

✓

W Cam

004958

11.7

0025

136

C

W V "

004746

10.1

0230

143

46

C

11.0

Surf. Vow on some

dist

may have for
this same

Oct. 31 1913

Z Ceti	$\begin{array}{r} 1 \\ 01102 \\ 0243 \\ \hline 135 \end{array}$	No comp, star	
π Per	$\begin{array}{r} 37 \\ 0250 \\ 017502 \\ \hline 125 \end{array}$	11.3 ±	$\begin{array}{r} 52 \\ \checkmark 2123 \\ 29 \end{array}$
RZ Cen	012350	< 12.1	$\checkmark$

γ And	$\begin{array}{r} 013338 \\ 0256 \\ \hline 123 \end{array}$	< 12.0	$\checkmark$
-------	---	--------	--------------

RU	013238	10.6	$\checkmark$
----	--------	------	--------------

λ Car	$\begin{array}{r} 014958 \\ 0259 \\ \hline 110 \end{array}$	11.1	$\checkmark$
-------	---	------	--------------

Susp. var on same about 10.6

Oct. 31 1913

17 And

021024

0304

054

10.5 Photo

C

V

W And

021143

0308

157

10.6

C

V

S Per

021258

0210

50

8.9

C

V

T Per

021558

9.1

C

6 Ceti

021403

0318

4

9.0

C

V

Oct 3, 1913

17 Oct

022000

8.4

03 19

✓

✓

17 R Per

022250

C 12.0

✓

✓

17 Jov.

022426

C 9.6 @ 7.4 Hz

03 22

58

✓

✓

14 Ceti

022413

76.0 no con

02 24

04

✓

some mag at
also North
also to right

17 Jui

023133

8.2

03 26

55

✓

✓

32)

Oct 31 1913

Taurh

024217

8.4

0329

47

C

✓

W Per.

020356

9.3

0230

47

C

✓

U Ants

030514

411.6

0331

26

C

✓

TT Per.

031646

1011

✓

y "

032043

9.3

0334

C

✓

32

Oct 31, 1913

- Jan

033105

211.0

✓

17W Can

034658

8.3

$$\begin{array}{r} 0347 \\ \hline 1 \end{array}$$

✓

17W Jan

035727

7.9

0352

✓

17

042209

10.0? Photo

0355

27

C

✓

S

042309

10.5

C

✓

Oct 31

T X Jan

043208

11.7 ✓

0359

✓

Van on sea chart

11.7 ✓

~~# Orion~~

045307

0403

V Orion

050003

0405

0446

10.0

0401

T Lep

050022

9.4 ✓

T Aur.

050953

9.1 ✓

S. 11

052034

9.2 ✓

0412

108

Oct 31

W Am

052036

< 12.1?

0414

6

✓

713 Jan

053336

11.3

0317

16

✓

4 Am.

053531

< 11.7

0318

✓

SV Jan

054528

9.7

0321

24

✓

4 Am

054920

9.7? photo

0323

26

✓

116

48

Zamya	$\begin{array}{r} 05553 \\ 0426 \\ \hline 29 \end{array}$	10.3
-------	---	------

TPW Gen	$\begin{array}{r} 055523 \\ 0428 \\ \hline 227 \end{array}$	9.4
---------	---	-----

Van der Sandt		11.8
---------------	--	------

TPZ Gen	$\begin{array}{r} 055622 \\ 0433 \\ \hline 123 \end{array}$	9.2
---------	---	-----

SS Gen	$\begin{array}{r} 062222 \\ 0433 \\ \hline \end{array}$	
--------	---	--

51

? Cannot be used

January, 1914, Thursday.

Thruppe & Billy Olsen

P. B. E.

X and

$$\begin{array}{r}
 001046 \\
 0234 \\
 \hline
 2,314 \\
 42
 \end{array}$$

$$\begin{array}{r}
 001726 \\
 0257 \\
 \hline
 238 \\
 240
 \end{array}$$

RU and

013238

11.5?

y H

$$\begin{array}{r}
 013338 \\
 0300 \\
 \hline
 127
 \end{array}$$

9.7

X Cass

$$\begin{array}{r}
 014958 \\
 0305 \\
 \hline
 116
 \end{array}$$

10.8

Susp. Var on same dat 10.6

R Arctis 021024 8.9
 $\frac{310}{100}W$

Wand, 021143
 $\frac{0313}{102}W$

O Ceti 021403 > 7.0
 $\frac{0316}{102}$

α Trianguli 023133 7.5
 $\frac{0427}{256}3$
 $\frac{0231}{206}$

γ Arctis 024217 9.7
 $\frac{0435}{153}$

W Persei 024356 9.9
 $\frac{0435}{152}$

M. Arietis

$$\begin{array}{r} 030514 \\ 0437 \\ \hline 132 \end{array}$$

10.

R. Persei

$$\begin{array}{r} 031646 \\ 0437 \\ \hline 121 \end{array}$$

10.5?

$$\begin{array}{r} 031646 \\ 0444 \\ \hline 128 \end{array}$$

γ Persei

$$\begin{array}{r} 032043 \\ 0438 \\ \hline 118 \end{array}$$

10.0

η. Tauri

$$\begin{array}{r} 033105 \\ 0439 \\ \hline 108 \end{array}$$

< 11.6

α. Eridani

$$\begin{array}{r} 034625 \\ 0440 \\ \hline 54 \end{array}$$

R.M. Campbell 034658 9.53

$$\begin{array}{r} 0442 \\ \hline 46 \end{array}$$

J. Eidani 035124

$$\begin{array}{r} 0445 \\ \hline 54 \end{array}$$

M. Eidani 040725

$$\begin{array}{r} 0446 \\ \hline 39 \end{array}$$

R.M. Janni 035727 < 11.5

$$\begin{array}{r} 0452 \\ \hline 55 \end{array}$$

$\leftarrow 11.6$
 fast $\leftarrow$
 high $\rightarrow$

~~And Janni~~ 042209 < 9.5

$$\begin{array}{r} 0505 \\ \hline 943 \end{array}$$

 R " 042309 < 11.5 X

$$\begin{array}{r}
 \text{RX Jami} \quad 043208 \\
 \underline{0508} \\
 86
 \end{array}$$

$\angle 11.5$
 Susp. Par. on
 same chart
 $\angle 10.6$

$$\begin{array}{r}
 \text{R. Jami} \quad 044617 \\
 \underline{0459} \\
 13
 \end{array}$$

$$\begin{array}{r}
 \text{R. Guerrero} \quad 045307 \\
 \underline{0510} \\
 17
 \end{array}$$

$$\begin{array}{r}
 \text{V. Guerrero} \quad 050003 \\
 \underline{0518} \\
 18
 \end{array}$$

10.6

$$\begin{array}{r}
 \text{J. Leharis} \quad 050022 \\
 \underline{0524} \\
 22
 \end{array}$$

9.5

$$\begin{array}{r} \text{R Aurigae} \quad 050953 \quad 8.3 \\ \quad \quad \quad 0525 \\ \hline \quad \quad \quad 16 \end{array}$$

$$\begin{array}{r} \text{S Aurigae} \quad 052034 \quad 10.5 \\ \quad \quad \quad 0527 \\ \hline \quad \quad \quad 7 \end{array}$$

$$\begin{array}{r} 1914 \\ 1826 \\ \hline 88 \end{array}$$

$$\begin{array}{r} \text{W. Aurigae} \quad 052036 \quad 10.0 \\ \quad \quad \quad 0531 \\ \hline \quad \quad \quad 11 \end{array}$$

$$\begin{array}{r} \text{M. P. Jauri} \quad 053326 \quad 11.8 \\ \quad \quad \quad 0677 \\ \hline \quad \quad \quad 0602 \\ \hline \quad \quad \quad 424 \end{array}$$

$$\begin{array}{r} \gamma \text{ Aurigae} \quad 053531 \quad 11.2 \\ \quad \quad \quad 0622 \\ \hline \quad \quad \quad 47 \end{array}$$

$$\begin{array}{r} 11 \quad 7 \\ 12 \overline{) 1400} \\ \underline{12} \\ 20 \\ \underline{12} \\ 80 \end{array}$$

2.7 Jauri	$\begin{array}{r} 054528 \\ 0628 \\ \hline 43 \end{array}$	9.1
-----------	--	-----

W Orionis	$\begin{array}{r} 054920 \\ 0629 \\ \hline 40 \end{array}$	$\angle 10.5$
-----------	--	---------------

Laurigae	$\begin{array}{r} 055353 \\ 0630 \\ \hline 37 \end{array}$	10.3
----------	--	------

R. Leporis	$\begin{array}{r} 045514 \\ 0632 \\ \hline 37 \end{array}$	72
------------	--	----

R. W. Gem	$\begin{array}{r} 055523 \\ 063 \end{array}$	
-----------	--	--

RZ gem 055622

1913phae.proj.10910