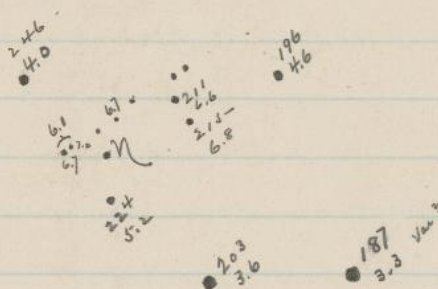


KG
11366
v.859

Leodgered Jan 27. 1916
Variable & other stars -
Naked eye observations

1 - 6.3 - η Argus. R.A. $10^h 40^m$ Dec. $59^\circ 2'$ - mag
 nos refer w' u. a. mag. taken from same source.

Configuration

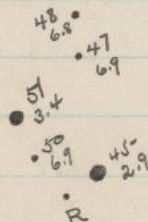


6.6 - 7.3

R. Muscae. R.A. $12^h 34^m$: $68^\circ 43'$

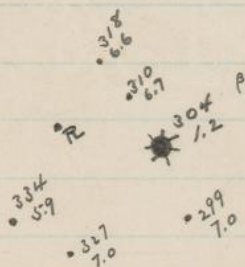
0.9

Configuration



6 - 10

R. Centauri $14^h 08^m$ - $59^\circ 20'$



6.6 - 8.0

R. Triang. Aus.15^h 09^m

66° 02'

3.4

• R

7
6.6(var?)
8
6.55
3.13
6.2
7
7.0

4.0 - 5.5

K Peronis18^h 44^m

67° 23'

9.1

26
4.433
4.845
4.316
4.62
3.839
5.3

• K

35
4.2

Friday Apr. 20 1889 Mt St. Per

4.30 P.M.

η Argus - barely visible w/ naked eye
 η apparently of about same mag. as
 faint star near 6.1 - 7.0

Sun. April 30

η Argus just visible - Prof. about 6.5-

Wed. May 1

η Argus just visible - Est. mag. 6.5-

Wed. July 3 1889

η Argus barely visible if at all.

K Pavonis - fainter than # 35 - mag. 4.2
 about = # 39 - 5.3

Fri. July 5 1889

K Pavonis - little brighter than 39
 fainter - 35

[above record in ink is copy of journal]

int + med. July 24 89

19^h 22^m

K Paronis	triple fainter than	35 -
	brighter than	39
	about =	26

Mt H July 25-'89

10^h 00^m P.M.

R muscae

not visible

also could not see 48, 47, + 50.

R. Centauri

not visible

334 (5.9) distinctly visible

310, 318, 299, 327 (6.6 - 7.0) not visible

R. Triang. Aust.

not visible

3 + 4 visible as single star or the 3 alone.

7 + 8 not visible

K Paveis

about = to 35 (4.2)

triple fainter than 2 (3.8)

Wed 24. Fri. July 26 89

11^h 45^m P.M.

R Centauri
n.v.

R. Triang. Aust
n.v.

K Pavonis

a trifle brighter than 35-

a little fainter than 2

Met H. Mon. July 29 89

R Centauri

N. V.

R. Griaus - Aust-

N. V.

3 distinctly visible

8 visible (3)

K Paronis

Trifle fainter than 35-

about equal to 45-

mt + Sat - Aug 3 '89

20^h 15^m

17 Pavonis

about = 35-

triple brighter than 45-

fainter than 2

mt H - Shurs - Mar 20 - '90

Variable $\pm$ at 12^h 18^m Dec $48^\circ 43$ Centaurus -
examined with field glasses -

6.7 d.A

est 7.2

7.0
H.C.

6.9
d.A

var. est 7.5 - to 7.7

Est. than 7.0 + also than dec est 7.2



List of Known Variables South of -30°

No.	A.G.C. Name	1900 R.A.	1900 Dec.	Magn	No. Obs.
11377	R. Sculptoris	1 ^h 22.4 ^m	-33° 4'	5.8	-
15276	R. Dorado	4 35.6	-62 16	5.5	1
19197	L ₂ Puppis	7 10.5	-44 29	3.5	0
110192	S Puppis	7 43.8	-47 52	7.2	-
113073	R. Carinae	9 29.7	-62 21	4.3	-
113336	l. Carinae	9 42.5	-62 3	3.7	0
113853	R. Antliae	10 5.5	-37 14	6.5	-
113882	S. Carinae	10 6.2	-61 4	6.2	-
114720	γ Argus	10 41.2	-59 10	7.1	0
117263	R. Monocae	12 36.0	-68 51	6.6	-

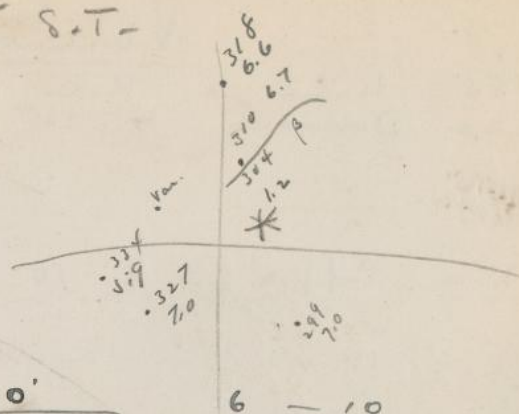
No.	A.G.C. Name	1900 R.A.	1900 Dec.	Magn	No. Obs.
19295	R. Centauri	14 9.4 ^h	-59 27 ^m	6.0	3
120693	R. Tri. Auct.	15 10.8	-66 8	6.6	-
21504	R. Lupi	15 47.0	-36 0	9	-
25786	x Pavonis	18 46.6	-67 21	4.0	8
-	S. Cor. Auct.	18 54.4	-37 5	6.5	-
-	R. Cor. Auct.	18 55.2	-37 5	9.8	-
-	R. Pis. Auct.	22 12.3	-30 6	5.7 ²	-
30765	R. Indi	22 28.9	-67 48	9 ²	-
-	R. Phoenicis	23 51.3	-50 21	8.5 ²	-

A dash is used to indicate that the star is not contained in Catalogue for observation and will require to be entered there.

Sept star $9^h 28^m$ to $35^\circ 00'$
only not show on plate 5291-

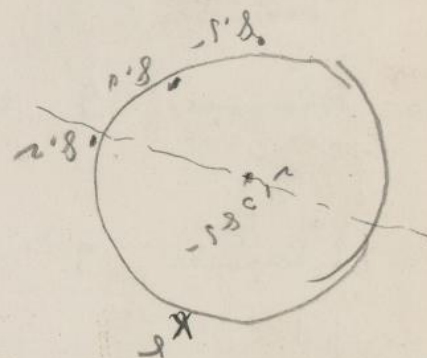
R. Centauri mid July 3. 14^h 15^m 8.T-

34.7
122.8
134.0
203.5-



R. Centauri 14 08 89° 20'

a 9.5- fm. 3^m 14' N
8.5- " 4.5: 7 N
8.5- " 5.0: 5- N
9.0 " 6.3: 9 N
9.0 " 7.0 5 S
dbl 9.0 " 7.4 12 N
9.0 " 8.0 12 N
9.0 " 8.5 4 N



~~R. Centauri 14 08 89° 20' 66 02 6.6-8.0~~
a 9.5- fm. 2^m 16' N
8.0 " 2.9 10 N
9.5- " 8.5- 14 N
9.0 " 8.5- 1 N
1.0 " 12.6 26 S

R. Centauri 15^h 09^m 66° 02' 66-8.0
a 8.5- fm. 1.3 8 N
9.0 " 1.4 3 N
7.0 " 2.4 25 N
8.0 " 4.7 21 N
9.0 " 4.8 17 N

R. Pavonis 18 44 67 23 4.0-5.5 2.1

Variable stars -

No	Name	R.A.	Dec	Max	Min	Period
22a	Doradus	4 ^h 35 ^m	- 62° 19'	5 ^h 1/2	6 ^h 3/4	—
X 38a	Puffis	7 10	44 26	3 1/2	< 6	135
42a	S Puffis	7 43	47 08	7 1/4	9	—
X 50a	R Carinae	9 29	62 14	4.4	9.3	313
X 52a	I Carinae	9 42	61 56	3.7	5.2	31.2
52d	Carinae	10 05	60 56	6 1/4	9	—
X 54	η Argus	10 40	59 02	> 1	6.3	ing.
63a	R Muscal	12 34	68 43	6.6	7.3	0.9
{ an 8.5 - pre. 1.8 ; 5' So. } { 9.0 " 2.0 ; 8 So. } { 8.5 " 2.8 ; 8 So. } { 7.5 " 4.0 ; 11 So. } { 2.9 " 4.5 ; 17 No. }						
69b	R Centauri	14 08	59 20	6	10	—
a 9.5 pre. 3 ^m ; 14' No. 8.5 " 4.5 ; 7 No. 8.5 " 5 ; 5 No. 1.2 " 14.26 So.						
74b	R Lyncis	15 09	66 02	6.6	8.0	3.4
an 8.5 pre. 1.2 ; 8' No. 9.0 " 1.5 ; No 7.5 " 12 ; 3 No						
X 105a	κ Pavonis	18 44	67 23	4.0	5.5	9.1
a 9.0 fol. 1.0 ; 8' So. 8.0 " 1.5 ; 20 No. 9.0 " 1.9 ; 2 So. 7.5 " 3.0 ; 22 No. 8.0 fol 2.9 ; 9' No. 9.5 " 8.0 ; 13 No 9.0 " 8.0 ; 1 No an 9.5 fol 0.3 ; 3' So. 8.0 " 2.6 ; 6 So 7.5 " 2.8 ; 17 No.						

19295-

V < 7
 V = or > 76
 V < 1
 V = 2

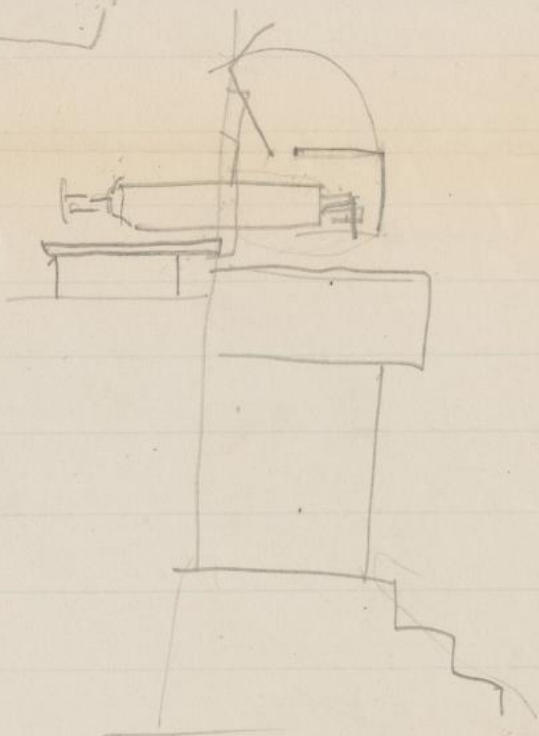
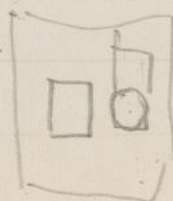
H.P.	4260	3db	13000
Cap. S. S. Var.	70x6x5db		3500
Var.	150	10	1500
Mis.	200.	5	1000

19,000

76,000

270/6
45

100.00



S.C.

201

001
28

001 12

28
001

u.c. 6

S.C. 3

50-70 3

S-30-40 3

17

M. Photometric - Special work

η Argus -
(η Carinae

Companions

R. a.	10 ^h 40. ^m 2	Dec. 59° 2'
a 9.0	bol. 2 ^s	1' north.
a 9.2	" 12 ^s	3' south
a 8.2	" 1 ^m	31' "
a 9.7	" .7 ^m	18' north
a 7.7	" .75 ^m	16' "
a 7.7	" .8 ^m	12' "
a 7.7	pre. 3 ^m	7' "
a 8.5	" .3 ^m	19' "
a 9.0	" .3 ^m	19' "
a 9.0	" .3 ^m	19.5' "
a 7.5	" .4 ^m	25' south
a 8.2	" .5 ^m	3' south
a 6.8	" .8 ^m	19' "
a 8.5	" .9 ^m	2' "
a 7.	" 1 ^m	8' north

$$\begin{array}{r} 94.6 \\ 11.2.0 \\ \hline 206.6 \end{array}$$

$$\begin{array}{r} 12.17 \\ 1.47 \\ \hline 70 \end{array}$$

$$11.77$$

$$\begin{array}{r} 1.47 \\ \hline 10.30 \end{array}$$

mid. July 3

W Argon bands vis. if at all -
Prob. about 6.5 -

Pans - 5.0 (3) ~~light~~
vanilla bean star 35 - 4.2
about - 4 - 39 5.3

mid. July 4 -

R: Pansoni

alluv. ^{light} ~~light~~ than a
vanilla bean e.

18892442, p.03, 1862.