

KG

11365

978

KG 11365. 978

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4[✓]

Estimates of Nova Geminorum

(Turner)

March 28, 1903

I 16991[✓]
 12.37 m 1 N 12.47

ac 165[✓]
 Remeasure 11.60⁶⁰ q 1 N 11.70⁷⁰

ac 1432[✓]
 10.66 m 1 N 10.76

ac 1337[✓]
 11.60 m 1 N 11.70

ac 1320[✓]
 11.35 q 1 N 11.45

ac 1259[✓]
 11.90 s 1 N 12.00

ac 3292[✓]
 10.91 o 1 N 11.01

ac 1082[✓]
 11.90 s 1 N 12.00

ac 1008[✓]
 10.91 o 1 N 11.01

ac 761[✓]
 10.66 m 2 N 10.86

Nova Geminorum (cont.)
Mch 30, 1903

5

ac 720 ✓
11.35 g. N 11.45

ac 663 ✓
11.60 n. N 11.70

ac 644 Engi ✓
11.35 g. N 11.45

ac 518 ✓
11.35 g. N 11.45

ac 507 ✓
Too poor.

ac 443 ✓
Too poor.

ac 254 ✓
Too poor.

ac 220 ✓
10.66 n. N 10.76

ac 283 ✓
11.35 g. N 11.45

ac 2981 ✓
11.90 s. N 12.00

6 ✓

Nova Geminarum (cont)

March 30, 1903

ac 2943 ✓

11.90 S 1 N 12.00

ac 2404 ✓

11.13 p 2 N 11.33

ac 2375 ✓

11.60 n 1 N 11.70

ac 2361 ✓

11.13 p 2 N 11.33

ac 2283 ✓

11.60 n 1 N 11.70

ac 2258 ✓

11.90 S 1 N 12.00

ac 2246 ✓

10.91 O 1 N 11.01

ac 2157 ✓

11.60 n 1 N 11.70

ac 2114 ✓

10.66 n 2 N 10.86

ac 2004 ✓

11.13 p 1 N 11.23

Nova Gem. (cont.)
March 30, 1903

ac 1908 ✓
11.13 μ 1 N 11.23

ac 1846 ✓
11.13 μ 2 N 11.33

ac 1801 ✓
10.66 n 1 N 10.76

ac 3253 ✓
11.13 μ 2 N 11.33

ac 3230 ✓
11.35 g 1 N 11.45

ac 3219 ✓
11.60 n 1 N 11.70

ac 122 ✓
11.60 n 1 N 11.70

ac 82 ✓
Too poor.

ac 1259 ✓
11.90 s 1 N 12.00

1320 ✓
ac 3450
11.35 g 1 N 11.45

8

Nova Gem (cont.)
Mch 30, 1903

ac 3450^v

7.98 c 1 N 8.08 7.80 = 7.94 14 14^v

7.80 N 7 d 8.50

ac 3370^v

10.66 n 2 N 10.86

ac 2047^v

11.90 S 1 N 12.00

ac 165^v

11.60 N 1 N 11.70

I 30243^v

7.98 c 4 N 8.08 8.30 = 8.34 04 04^v

8.30 N 2 d 8.50

I 14232^v

11.90 S 1 N 12.00

Comfr. with Br. Seg A ± 889

N 4 fr

N 4 w

N 10 y

N 2 t

N 4 w

N 12 x

Nova Gem. (cont)

6
Mch 30, 1903

Br. seg.

AI 878

N 5 p

N 4 w

N 3 t

N 12 y

N 4 u

N 18⁵ x

Br. Seg.

AI 881

N 4 p

N 3 w

~~N~~ 2 N

N 10 y

N 3 u

N 10 x

AI 898

N 1 p

w 3 N

t 4 N

N 8 y

N 0 u

N 10 x

AI 3421

N 6 p

N 5 w

t 3 N

N 15² y

N 2 u

N 17⁵ x

Nova Gem. (cont)

March 30, 1903

AC 3414

N 2 γ N 2 μ

t 2 N

N 12 η N 3 μ N 15 γ

I 30254

798C 4 N 8.38 8.20 = 8.29 09 09

8.20 N 3 d 8.50

I 30253

798C 4 N 8.38 8.20 = 8.29 09 09

8.20 N 3 d 8.50

I 30251 Sp. Eng.

798C 3 N 8.28 8.30 = 8.29 01 01

8.30 N 2 d 8.50

I 30249

798C 4 N 8.38 8.30 = 8.34 04 04

8.30 N 2 d 8.50

AC 3458

798C 4 N 8.38 8.00 = 8.19 19 19

8.00 N 5 d 8.50

Nova Gem. (cont)

Mch 30, 1903

Ac 3456 ✓

7.98 C 3 ~~h~~ 8.28 8.20 - 8.24 04 04

8.20 N 3d 8.50

Ac 3457 ✓

Too poor.

C 14286 ✓

7.98 C 2 v 7.18 8.10 - 8.14 04 04

8.10 v 4d 8.50

C 14287 ✓

7.98 C 1 v 8.08 8.10 - 8.09 01 01

8.10 v 4d 8.50

C 14289 ✓

7.98 C 2 v 8.18 8.20 - 8.19 01 01

8.20 v 3d 8.50

C 14288 ✓

Too poor

I 30078 ✓

12.12 t 1 N 12.22

I 17408 ✓

12.37 u 1 N 12.47

I 24908 ✓

12.12 t 1 N 12.22.

Nova Gem (cont)

Nov 30, 1903

I 17612[✓]
11.60 u 1 N 11.70

I 26070[✓]
12.37 u 2 N 12.57

I 24042[✓]
12.37 u 2 N 12.57

I 20204[✓]
11.90 s 1 N 12.00

I 22403[✓]
12.12 t 1 N 12.22

I 22479[✓]
11.35 g 1 N 11.45

I 20431[✓]
12.37 u 2 N 12.57

I 20316[✓]
12.12 t 1 N 12.22

I 5486[✓]
11.90 s 1 N 12.00

I 8034[✓]
11.90 s 1 N 12.00

Nova Gem. (cont.)
 Mch 30, 1903

I 8183 ✓
 12.12 to 1 N 12.22

I 10123 ✓
 12.12 to 1 N 12.22

I 10193 ✓
 12.12 to 1 N 12.22

I 10765 ✓
 11.60 to 2 N 11.80

I 26615 ✓
 12.37 to 3 N 12.67

I 13920 ✓
 11.60 to 2 N 11.80

I 13875 ✓
 11.90 to 1 N 12.00

I 6073 ✓
 12.12 to 1 N 12.22

I 8348 ✓
 Too poor

I 10790 ✓
 11.90 to 1 N 12.00

Nova Germ (cont.)
 Mch 30, 1903

I 5561 ✓
 12.12 to 1 N 12.22

I 3384 ✓
 11.60 to 2 N 11.80

I 12681 ✓
 12.37 to 1 N 12.47

I 727 ✓
 12.12 to 1 N 12.22

I 3141 ✓
 12.12 to 1 N 12.22

I 16991

a 4.9
 b 5.5

c 5.7

d 6.2

e 6.4

f 6.7

g 7.0

h 7.5

k 7.8

l 8.0

m 8.3

n 8.5

p = o 8.8

q = p 9.1

Diagram showing a cluster of points labeled with letters: s, r, t, n, r, th, u, p, m, e, d, c, a. The points are arranged in a roughly circular pattern with some lines connecting them.

Nova Gem. (cont.)
 Mch 30, 1903

I 16991 (cont.)

z = g 9.3
 t = h 9.5
 w = s 9.8
 x = t 10.0
 y = u 10.2
 r = r 5

I 30249

a 5.8
 b 6.3
 c 6.5
 d 7.0
 e 7.4
 f 7.7
 g 7.9
 h 8.3
 k 8.5
 l 8.7
 m 8.9
 n 9.1
 p = o 9.3
 q = p 9.4
 r = q 9.6
 t = r 9.9
 w = s 10.2
 x = t 10.5
 y = u 10.3
 r = r 6.9

Nova Gem. (cont.)
 Mch 30, 1903

I 12681

a 4.8
 b 5.3
 c 5.5
 d 6.0
 e 6.3
 f 6.7
 g 6.9
 h 7.2
 k 7.5
 l 7.7
 m 8.1
 n 8.4

~~p~~ = o 8.7

q = p 8.9

r = q 9.2

s = r 9.5

w = s 9.8

x = t 10.0

y = u 10.3

z = v 10.5

I 727

a 5.9
 b 6.2
 c 6.5
 d 7.1
 e 7.5
 f 7.8
 g 8.0

Nova Gem. (cont.)

Mch 30, 1903

I 727 (cont.)

h 8.2
 K 8.3
 l 8.5
 m 8.7
 n 9.0
 p = o 9.2
 q = p 9.5
 r = q 9.7
 t = n 9.9
 w = s 10.2
 x = t 10.4
 y = u 10.2
 z = n 10.3

Apr. 6, 1903 I 30282 Sp.

7.98 C 3 N 8.28 8.30-8.29 01 01
 8.30 N 2 d 8.50

I 30281

7.98 C 4 N 8.38 8.20-8.29 09 09
 8.20 N 3 d 8.50

I 30283 Sp.

7.98 C 3 v 8.28 8.20-8.24 04 04
 8.20 v 3 d 8.50

Scale measures of prismatic
companions of $\text{Seg. } \text{I} \text{ for Nova Gem}$

March 31, 1903

I 16991

a.p.c. 9.5

b.p.c. 9.9

c.p.c. 10.0

d.p.c. 10.3

e.p.c. 10.5

f.p.c. 23 f

a.p.c. 5 b.p.c.

b.p.c. 2 c.p.c.

c.p.c. 3 d.p.c.

d.p.c. 2 e.p.c.

e.p.c. 2 f.p.c.

I 30249

a.p.c. 9.5

b.p.c. 9.8

c.p.c. 10.0

d.p.c. 10.4

e.p.c. 10.5

f.p.c. scratched

a.p.c. 6 b.p.c.

b.p.c. 2 c.p.c.

c.p.c. 4 d.p.c.

d.p.c. 2 e.p.c.

Meas. of fr. companions for Nova (19) ¹⁹
 March 31, 1903

I 12681

Images
 elongated
 a p.c. 9.0
 b p.c. 9.5
 c p.c. 9.7
 d p.c. 10.1
 e p.c. 10.2
 f p.c. ?

a p.c. 5 b p.c.
 b p.c. 2 c p.c.
 c p.c. 4 d p.c.
 d p.c. 3 e p.c.
 e p.c. 3 f p.c.?

I 727

Images on this plate have no fr.c.

On edge AI 932

7.98 C 3 N 8.28 8.30 8.29 0.1 0.1
 8.30 N 2 d 8.50

I 30250 sp

7.98 C 3 N 8.28 8.30 = 8.29 0.1 0.1
 8.30 N 2 d 8.50

I 30252 sp

7.98 C 3 N 8.28 8.10 = 8.19 0.9 0.9
 8.10 N 4 d 8.50

7.98 C 4 N (Fleming) 8.38 8.30 = 8.34 0.4 0.4
 8.30 N 2 d 8.50

7.98 C 3 N (Fleming) 8.28 8.20 = 8.24 0.4 0.4
 8.20 N 3 d 8.50

C 14285

Too poor.

Specs of Nova Cent.

AB 3378

11.35- g1 N 11.45

Estimates of comp. stars of Nova

Res. adopted

I 16991

$n' = 0$

$n 5 n'$

$o = p$

$n' 2 0$

$q' = s$

$g' 1 g'$

$r = t$

$g' 0 n$

$n' = u$

$n 3 n'$

$v = w$

$n' 1 n$

I 727

$n' = 0$

$n 3 n'$

$o = p$

$n' 1 0$

$q' = s$

$g' 2 g'$

$r = t$

$g' 1 n$

$n' = u$

$n 3 n'$

$v = w$

$n' 1 n$

I 12681

$n' = 0$

$n 3 n'$

$o = p$

$n' 2 0$

$q' = s$

$g' 1 g'$

$r = t$

$g' 0 n$

$n' = u$

$n 3 n'$

$v = w$

$n' 2 n$

Estimates of Nova (cont)

21

Recorded adapted C 14286

 $u = y$ $w 2 w$ $v = z$ $w 1 x$ $x = \alpha$ $x 3 y$ $y = \beta$ $y 2 z$ $z = \gamma$

C 14286

 $u 2 w$ $w 2 x$ $x 3 y$ $y 2 z$

C 14287

 $u 3 w$ $w 1 x$ $x 3 y$ $y 2 z$

C 14287

 $u 3 w$ $w 0 x$ $x 3 y$ $y 1 z$

I 30249

 $n' = 0$ $n 3 n'$ $o = p$ $n' 2 0$ $q' = s$ $q 0 q'$ $r = t$ $q' 1 n$ $n' = w$ $n 3 n'$ $n = w$ $n' 2 s$

April 3, 1903

Est. of the Nova Grit:

~~Ad. 944~~

✓ Ad 3462

7.98 C4V 8.38 8.20-8.29 09 09

8.20 V3d 8.50

✓ Ad 3469

7.98 C3V 8.28 8.20-8.24 04 04

8.20 V3d 8.50

from plate. Ad 3470

7.98 C3V ⁸7.28 8.10-8.19 09 09

8.10 V4d 8.50

Ad 934

too poor

✓ Ad 943

Too near edge

✓ Ad 937

- does not cover region

✓ Ad 938

- does not cover region

✓ Ad 945

- does not cover region

AS 941 ✓

near edge 7.98 c 3 v 8.28

d. m. s.

AS 942 ✓

7.98 c 3 v 8.28

d. m. s. (?)

AS 933 ✓

too poor.

Sec. Meas of sequence for Vars 13 275
 RA 13 4.8 Dec - 56° 20.1 8.5 (Comp stars in B13563)

✓ B13563

Apr. 10, 1903

a	5.0
b	5.3
c	5.7
d	6.0
e	6.3
f	6.7
g	7.0
h	7.2
k	7.5
l	7.8
m	8.0
n	8.5
o	8.8
p	9.1
q	9.5
v1	7.8
v2	8.4



✓ B22685

a	5.8
b	6.2
c	6.5
d	6.8
e	6.9
f	7.3
g	7.5
h	7.7
k	8.0
l	8.4

13^h 275 (cont.)

Apr. 10, 1903

B 22685 (cont.)

m	8.7
n	9.1
o	9.5
p	9.9
q	10.1
r.1	8.3
r.2	8.7

✓ B 23397

a	5.8
b	6.1
c	6.4
d	6.7
e	6.9
f	7.1
g	7.3
h	7.5
k	7.7
l	7.9
m	8.2
n	8.7
o	8.9
p	9.3
q	9.5
r.1	8.0
r.2	8.2

13^h 275 (cont)

Apr. 10 1903

J B11196

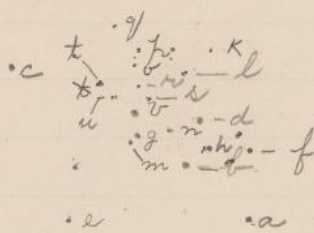
a	5.3
b	5.7
c	6.0
d	6.2
e	6.3
f	6.5
g	6.8
h	7.0
k	7.4
l	7.8
m	8.2
n	8.6
o	9.1
p	9.5
q	9.8
v1	8.4
v2	8.0

Measures of sequence for var
RA 16 48.4-44 54 (1900) (Comp stars marked on B13529)

May 15, 1903

B 13529

a	6.0
b	6.3
c	6.8
d	7.1
e	7.3
f	7.9
g	8.2
h	8.4
k	8.7
l	8.9
m	9.0
n	9.2
o	9.2
p	9.5
q	9.7
r	9.9
s	10.0
t	10.2
u	10.5
var.	6.7



B 17583

a	5.0
b	5.2
c	5.7
d	5.9
e	6.2
f	6.9

Continued p. 49

April 14, 190

Meas. of Seeliger's Nova?

A 1726
 0.2 N
 N 1 t

I 29190
 0.3 N
 N 1 t

I 25966
 0.2 N

I 15422
 0.2 N
 Nil

B 636
 0.1 N

B 644
 min

B 680
 min

I 2285
 0.2 N (3)

Schlager's Nova (cont.)

29

Apr. 14, 1903

- #
 I 2349
 m 1 N
- I 2370
 o.2 N
- I 2394
 o.2 N
- I 4242.
 m 1 N
- I 16397
 m 1 N
- I 18879
 l. N
- I 18921
 o.1 N
- I 21262.
 m 2 N
- I 23091
 o.1 N
- I 27913 sp.
 near edge
 too poor

Seeliger's Nova(?) Cont.
Apr 14, 1903

I 29145-

93 N

Not

N 3 R

I 29345-

m 1 N

AC

2871

h 1 N

2.

AC

2779

too poor.

AC

2826

h 1 N

AC

2999

h 1 N

AC

2973

h 1 N

AC

~~2779~~ 1649

h 2 N

AC

1013

h 2 N

Seeliger's Nova (cont)

31

Apr. 14, 1903

AC 501

h, N.

1 AC 1815

h, N.

2 AC 2764

too poor in reg. of nov.

AM 1943.

too poor. ?

2 AC 2705

too poor.

AC. 2677

h, N

AC 2838

h, N

AC 2804

too near edge.

AC 2803 also

too poor

AM 1493

h, N

Seeliger's Nova (cont)

Apr 14, 1903

AM 1623
h1N

X 506
N1N
N00?
pms

I 1566
too poor

I 1216
h1N

I 985
w1N

I 11200
w1N

I 13061
too poor

I 22801
o2N
N2p

I 1737
h2N

Luliger's Nova (cont)

33.

I 8989
too poor

Apr 14, 1903

I 2412
m, N(?)

I 2173
h, 2 N

I 9298
m, N

I 29760
too near edge.

I 29379
~~m, N?~~
o, 1 N
for m.s.

Remeasure -

I 6680
m, N

I 13350
m, 1 N

I 27322
h, 1 N

I 26734
h, 1 N(?)

Seeliger's Nova (Circ)

I 22846 Sp.
too poor.

Apr 14, 1903

I 11550
Does not cover region.

I 21342
on N.

I 25199
l. N

I 6640
on edge

I 11262
too near edge.

I 3977
h 3 N

I 3933 Sp.
too poor

I 1809 Sp.
too poor in reg. of var.

I 1967 Sp.
too poor

Schlegel's Nova (cont)

35

Apr 14, 1903

I 1966 Sp.
h1 N.

I 2068
too poor.

I 2010
g1 N.

I 1575
too poor

I 1511
too poor.

I 1510 Sp.
too poor

I 1279
too poor

I 1490
too poor

I 9282
m1 N(?)

I 9141
too near edge

Suliger's Nova (cont)
(Seq marked in I 29190)
Apr 14, 1903

I 8755
h 2 N

I 8794
does not cover region.

I 9058
too near edge

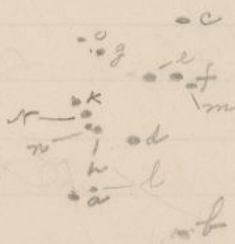
I 9357
m 1 N

I 9658 Sp
too poor

I 1199 Sp
too poor

I 15422

a 7.9
b 8.0
c 8.5
d 8.5
e 8.7
f 9.1
g 9.3
h 9.3
k 9.8
l 9.9
m 10.2
n 10.2
o 10.5
Nov 22, 97



Seeliger's Nova (cont)

Apr 15, 1903

Ac 2978
li N

Ac 2738
X, N?

I 25966

a	7.7
b	7.8
c	8.4
d	8.4
e	8.5
f	9.1
g	9.2
h	9.2
k	9.7
l	9.8
m	10.2
n	10.3
o	10.5
Nova stat.	np

I 18921

a	8.0
b	8.2
c	8.6
d	8.6
e	8.8
f	9.2
g	9.3

Seeliger's Nova (cont.)

Apr. 15, 1903

I 18921

h 9.5
 k 9.8
 l 9.8
 m 10.3
 n 10.5
 o n 20
 A. n 5

22801

I 6680

a 8.3
 f 8.3
 c 8.7
 d 8.7
 e 9.0
 f 9.6
 g 9.5
 h 9.7
 k 10.1
 l 10.2
 m 10.5
 n n 2.2
 o n 30
 A F-

Remasures of $+56^{\circ} 1400$
(See B 27 p 160)

Apr 21, 1903 Prismatic comp.
measured.

~~I 16931~~

~~c 5 v~~

~~v 2 d~~

~~I 16714~~

These measures of Seliger's Nova
are superseded - See Carnegie BK 3 p 193

Several stars in the sequence are changed.
All those used in the measures on pre-
ceding pages are retained, but with
changes of designation.

L. S. Leavitt.

Neavedge I 15246

7.26 c pc 3 v pc 7.56 7.38 7.47 09 09
7.38 v pc 6 d pc 7.98

I 16714

7.26 c pc 4 v pc 7.66 7.68-7.67 01 01
7.68 v pc 3 d pc 7.98

I 16652

7.26 c pc 6 v pc 7.88 7.68-7.78 10 10
7.68 v pc 3 d pc 7.98

Remasures of $+56^{\circ} 1400$
(See B 27 p 160)

Apr 21, 1903 Prismatic comp.
measured.

~~I 16931~~

~~c 5 v~~

~~v 2 d~~

~~I 16714~~

~~c 2 v~~

~~v 4 d~~

"d" on edge
of pl. not
comparable
with var.
meas. uncertain

~~I 16652~~

~~c 5 v~~

~~v 4 d?~~

~~I 15246~~

~~c 1 v~~

~~v~~

I 16931

Pc not vis.

Near edge I 15246

7.26 c pc 3 v pc 7.56 7.38 7.47 09 09

7.38 v pc 6 d pc 7.98

I 16714

7.26 c pc 4 v pc 7.66 7.68 7.67 01 01

7.68 v pc 3 d pc 7.98

I 16652

7.26 c pc 6 v pc 7.88 7.68 7.78 10 10

7.68 v pc 3 d pc 7.98

+ 56° 1400 (cont.)

Apr 21, 1903

I 15110

Near edge 7.26 c pc 3 v pc 7.56
d pc off plate

I 14881

7.26 c pc 4 v pc 7.66 7.68 = 7.67 0.01
7.68 v pc 3 d pc 7.98

I 12648

7.26 c pc 6 v pc 7.86 - 7.78 = 7.82 0.04
7.78 v pc 2 d pc 7.98

I 12473

Near edge of film 7.26 c pc 2 v pc 7.46
d off plate 7.98

I 12305

On edge 7.26 c pc 3 v pc 7.56
d pc n.s. 7.98

I 12104

7.26 c pc 4 v pc 7.66 7.68 = 7.67 0.01
7.68 v pc 3 d pc 7.98

I 10281

Near edge 7.26 c pc 3 v pc 7.56
d off plate 7.98

Poor Plate, I 10039

7.26 c pc 4 v pc 7.66 7.78 = 7.72 0.06
7.78 v pc 2 d pc 7.98

+ 56° 1400 (cont)

Apr 21, 1903

I 8423.

7.26 c pc 5 v pc 7.76 7.78 - 7.77 0101
 7.78 v pc 2 d pc 7.98

I 8394.

7.26 c pc 6 v pc 7.86 7.88 - 7.87 0101
 7.88 v pc 1 d pc 7.98

I 8392.

Near edge 7.26 c pc 6 v pc 7.86
 d off plate 7.98

I 8375.

7.26 c pc 6 v pc 7.86 7.88 - 7.87 0101
 7.88 v pc 1 d pc? 7.98

I 8249.

Near edge 7.26 c pc 3 v pc 7.56
 d off plate. X

I 7619.

7.26 c pc 5 v pc 7.76
 d pc n.s.

I 6407.

7.26 c pc 4 v pc 7.66 7.5⁸₆ - 7.63 0404
 7.58 v pc 4 d pc 7.98

Near edge I 5834.

7.26 c pc 6 v pc 7.86
 d off plate

42

+56° 1400 (cont)

April 21, 1903

I 5773⁵⁰

7.26 cpc 5 vpc 7.76 7.68 = 7.72 04 04
 7.68 vpc 3 dpc 7.98

I 5668

7.26 cpc ² vpc 7.46 7.48 = 7.47 01 01
 7.48 vpc 5 dpc 7.98

I 3429

7.26 cpc 6 vpc 7.86 7.88 = 7.87 01 01
 7.88 vpc 1 dpc 7.98

I 783

No pc vis.

I 782

pc not vis.

I 28721

7.26 cpc 7 vpc 7.96 7.88 = 7.92 04 04
 7.88 vpc 1 dpc 7.98

I 3327

6.84 7.26 bpc 1 vpc 7.36 7.68 = 6.94 6.96 = 6.95 01 01
 6.96 7.56 7.68 vpc 3 cpc 7.98 7.26

I 3325

7.26 cpc 5 vpc 7.76 7.78 = 7.77 01 01
 7.78 vpc 2 dpc 7.98

+56° 1400 (cont)

Apr 21, 1903

B1963.

no spec vis.

B1940.

no spec vis.

I 600

no spec vis.

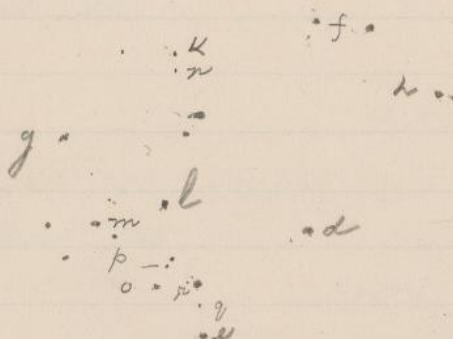
44

Scale measures of seg. for vvv.
 12^h 28.0-54 6 (seg. marked on B9516)

Apr. 30, 1903

B13255

✓
 a 5.5
 b 5.7
 c 6.2
 d 6.5
 e 6.8
 f 7.0
 g 7.2
 h 7.3
 k 7.8
 l 8.1
 m 8.5
 n 9.0
 o 9.5
 p 9.8
 q 10.0
 r 10.1



✓ B13205

a 6.3
 b 6.5
 c 6.9
 d 7.2
 e 7.5
 f 7.7
 g 8.0
 h 8.0
 k 8.3
 l 8.7

Sec. meas. for 12^h

45

Apr 30, 1903

B 13205 (cont)

m 8.9

n 9.2

o 9.7

p 9.9

q 10.1

r 10.1

✓ * B 13480

a 6.2

b 6.3

c 6.7

d 6.9

e 7.1

f (6.8)

g 7.4

h 7.5

k 8.0

l 8.4

m 8.7

n 9.0

o 9.4

p 9.7

q 10.0

r 7.8

10.2

On this plate "f" is brighter than "e" and d?

46

Sc. meas. of 12^h

(cont.)

✓ 22991
~~1345543~~ Apr 30, 1903

a	5.0	6.5
b	5.2	6.7
c		7.0
d		7.3
e		7.5
f		(7.0)
g		7.8
h		7.8
k		8.2
l		8.5
m		8.9
n		9.2
o		9.5
p		9.8
q		10.0
r		10.1

On the above pl. "f" appears br. Is it var.?

Measures of -17 4122 14 27.8 - 17 24 47
(Seq. marked on B 11459)

May 2, 1903

B11459

a 7.0
b 7.5
c 7.8
d 8.2
e 8.5
f 8.7
g 9.0
h 9.3
h' 9.5
k 10.0
var. 7.7

t . e
- d
- h'
- f
- h
- c
- e

B17661

a 6.0
b 6.5
c 7.0
d 7.5
e 7.9
f 8.3
g 8.6
h 9.0
h' 9.3
k 10.0
var. 7.2

-17° 4122 (cont)

May 12, 1903

B 9910

a 7.8
 b 8.3
 c 8.8
 d 9.0
 e 9.2
 f 9.3
 g 9.5
 h 9.7
 h' 10.0
 K 10.5
 var. 9.0

B 11586

a 6.2
 b 6.7
 c 7.0
 d 7.5
 d 7.4
 e 8.0
 f 8.4
 g 8.5
 h 9.0
 h' 9.4
 K 10.0
 var. 6.8

Var 16^h 48.4 - 44 57 (cont)

49

May 15, 1903

B17583 (cont fr fr 27)

g	7.3
h	7.5
K	8.0
l	8.3
m	8.5
n	8.7
o	8.8
p	9.1
q	9.4
r	9.7
s	9.9
t	10.0
u	10.2
var.	9.7

B3530

a	6.0
b	6.3
c	6.7
d	7.0
e	7.3
f	8.0
g	8.3
h	8.4
K	8.9
l	9.0
m	9.2
n	9.3
o	9.4

Var 16 48.4-44 57 (cont.)
May 15, 1903

B 3530 (cont.)

f 9.7
g 9.8
h 10.0
N 10.1
t n.s.
w n.s.
var. 8.0

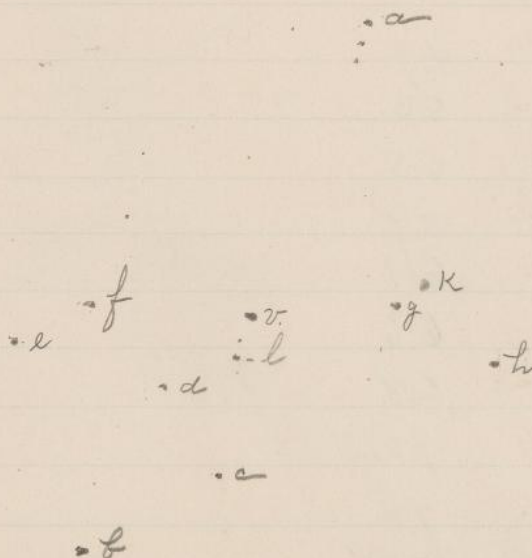
19438
~~B 3529~~

a 4.7
b 5.0
c 5.4
d 5.7
e 6.0
f 6.7
g 7.2
h 7.3
K 7.8
l 8.0
m 8.2
n 8.3
o 8.5
p 8.7
q 9.0
r 9.3
N 9.5
t 9.6
w 9.8
var. 9.7

Measures of Sig for θ Apodis 51
 R.A. 13 55.6 - 76 19 (comp stars on B3788 + 5403)
 May 19, 1903

✓ B3788

a 5.9
 b 6.4
 c 6.7
 d 6.9
 e 7.1
 f 7.6
 g 8.38.0
 h 8.3
 k 8.8
 l 9.0
 var. 7.0



✓ B5403

a 3.3
 b 3.8
 c 4.1
 d 4.8
 e 4.9
 f 5.3
 g 5.8
 h 6.0
 k 6.7
 l 7.0
 var. 4.7

52

+ Afrodia's (cont.)

May 19, 1903

✓ B 9362

a	Br. 4.1	4.1
b		4.9
c		5.3
d		5.5
e		5.7
f		6.1
g		6.6
h		6.8
k		7.2
l		7.4
var.	5.3	5.3

✓ B 16269

a	Br. 4.1	4.1
var. b	3.8	5.8
c		6.2
d		6.0
e		6.0
f		6.3
g		6.8
h		7.1
k		7.8
l		8.2
var.		5.4

Measures of seq. for var. at 53
 13 24.6 - 77.3 (Comp stars on B 3788)
 May 19, 1903.

✓
 shear stars are near
 edge of PL and are
 along atd. not comp with sc

✓	B 3788
a	5.3
b	5.5
c	5.7
d	6.2
e	6.5
f	7.3
g	7.5
h	8.4
k	8.6
var.	6.5

✓	B 9362
a	4.7
b	5.2
var? c	5.0
d	5.9
e	6.1
f	6.5
g	6.7
h	7.3
k	7.5
var	6.0

	B 5403
a	3.6
b	3.9
c	4.0
d	4.8
e	5.0
f	5.7
g	6.0
h	6.5
k	7.0
var	5.0

54

13 24.6-77.3 (cont)

May 21, 1903

✓ B 16269

a	5.2
b	5.5
c	5.5
d	6.2
e	6.5
f	7.0
g	7.4
h	7.8
^K	8.1
var.	5.3

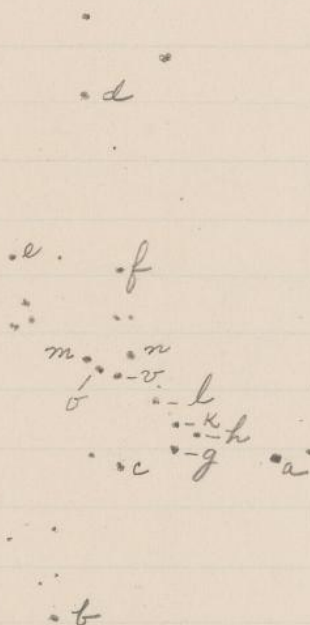
Scale measures of variable
R.A. 18^h 3.3 Dec -63 38 (1900)

55

May 26, 1903

B29763

a 6.2
b 6.8
c 7.5
d 7.7
e 8.5
f 8.8
g 9.1
h 9.5
k 9.8
l 10.0
m 10.0
n 10.2
o 10.5
v. 10.3



B27497

a 5.7
b 6.2
c 7.0
d 7.3
e 8.2
f 8.5
g 8.8
h 9.3
k 9.7
l 10.0
m 10.1
n 10.4
o 10.5
var. 7.0

^h
183.3 - 63.38 (cont.)
May 26, 1903

B25432

a	6.2
b	6.7
c	7.4
d	7.5
e	8.2
f	8.5
g	8.8
h	9.3
k	9.8
l	10.1
m	10.1
n	10.3
o	n.s
var	8.7

B17712

a	6.0
b	6.5
c	7.2
d	7.5
e	8.2
f	8.5
g	8.8
h	9.4
k	9.7
l	9.9
m	9.9
n	10.2
o	10.5
var	10.4

Scale meas. of Var 17^h - 86° 57
(Seg marked on B22882)

May 28, 1903

B22882

a 5.3
b 5.5
c 6.4
d 6.7
e 7.2
f 7.9
g 8.5
h 8.9
h' 9.1
k 9.5
l 9.8
m 10.0
n 10.3
var. 7.8

.h .d
.e
.k
.g
.l .v
.f .phi .m
.a

B25664

a Bw. 3.4 = 4.1
b 3.8 = 4.5
c 5.1
d 5.5
e 6.0
f 6.7
g 7.3
h 7.8
h' 8.1
k 8.3
l 8.7
m 9.0
n 9.4
var 9.3

58

17^h - 86° (cont)

J 3776

May 28, 1903

B ~~28461~~

a	6.5
b	7.0
c	7.7
d	8.1
e	8.5
f	9.0
g	9.5
h	9.8
h'	10.0
k	10.5
l	n.s. ?
m	n.s.
n	n.s.
var.	9.0

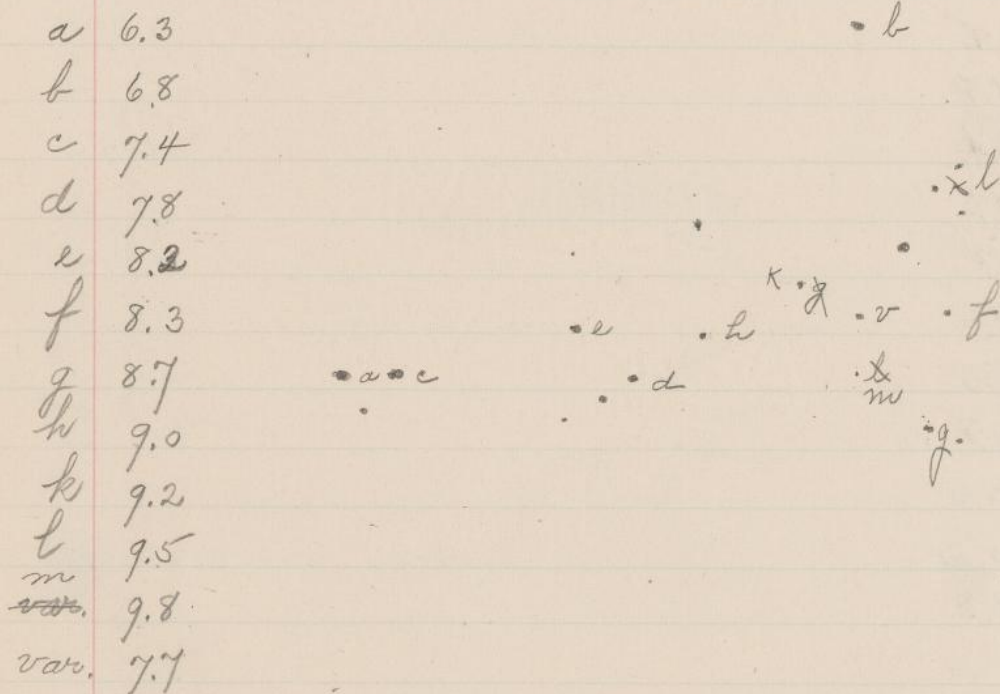
J B 3920

a	5.5
b	6.0
c	6.8
d	7.2
e	7.7
f	8.3
g	8.8
h	9.1
h'	9.3
k	9.5
l	9.9
m	10.1
n	10.3
var.	7.3

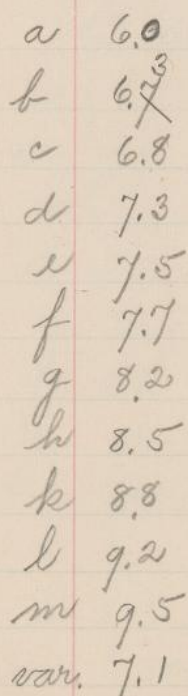
Scale measures of sequence for 59
var. $13^h 36.3 - 18^h 38$ (Comp stars marked in B23266)

June 5, 1903

✓ B 23266



✓ B 11235



60

 $13^h 36^m.3 - 18^h 38^m$ (cont.)

June 5, 1903

B20036

a	7.2
b	7.5
c	7.9
d	8.4
e	8.7
f	8.8
g	9.2
h	9.6
k	9.8
l	10.0
m	10.2
var.	8.3

B18083

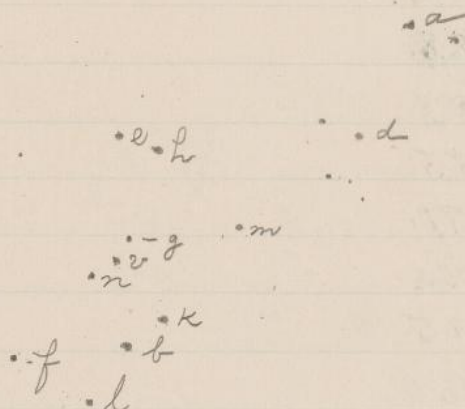
a	7.4
b	7.7
c	8.3
d	8.7
e	9.0
f	9.0
g	9.5
h	9.8
k	10.0
l	10.3
m	10.5
var.	8.5

Scale measures of seq. for
 A.G.C. 19643 14 25.1-29 39 (1900) (Comp starts on B23872)
 June 10, 1903

61

✓ B23872

a 6.5
 b 7.0
 c 7.5
 d 7.7
 e 8.2
 f 8.5
 g 9.2
 h 9.5
 k 9.7
 l 10.0
 m 10.3
 n 10.5
 var 7.1



✓ B18682

a 6.7
 b 7.4
 c 7.9
 d 8.2
 e 8.6
 f 8.8
 g 9.4
 h 9.7
 k 10.0
 l 10.3
 m 13m
 n m, n
 var 7.3

A G b 19643 (cont)

June 19, 1963

✓ B15917

a	6.9
b	7.5
c	8.0
d	8.1
e	8.5
f	8.7
g	9.2
h	9.5
k	9.8
l	10.1
m	n.s.
n	n.s.
var.	73

✓ B19306

a	6.3
b	6.8
c	7.2
d	7.3
e	7.7
f	8.0
g	8.5
h	8.7
k	9.1
l	9.4
m	9.7
n	10.0
var.	6.9

Sc. meas. of var. A Gl 27193
 Ra 19^m 46.8-59.27

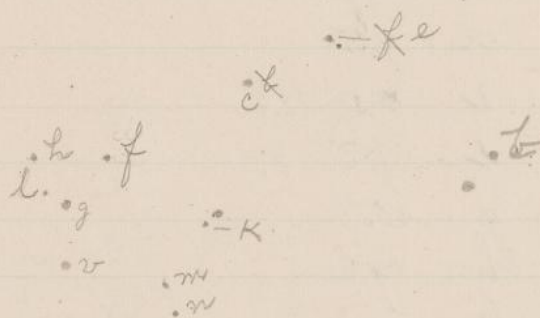
63

(Comp. stars on B20291 trans)
 fr B6253

June 25, 1903

B20291

a	5.8	5.9
b	6.3	6.4
c	6.9	6.5
d	7.7	7.0
e	7.4	7.5
f	8.5	7.5
g	8.5	
h	9.0	
k	9.1	
l	9.7	
m	9.9	
n	10.1	
v	6.1	



B16234

a	6.0
b	6.3
c	6.4
d	6.9
e	7.4 7.1
f	7.2 7.3
g	8.2
h	8.6
k	8.7
l	9.1
m	9.5
n	9.8
v	6.5

Alg 27193 (cont)
June 25, 1903

B 19696

a	6.4	
b	6.7	
c	6.9	
d	7.5	
e	8.0	7.8
f	7.8	8.0
g	8.7	
h	9.2	
k	9.3	
l	9.7	
m	9.9	
n	10.1	
v.	7.0	

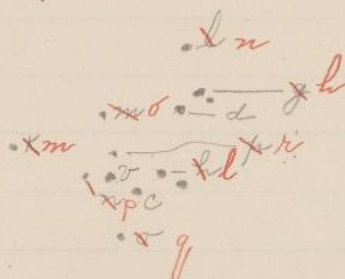
B 19456

a	6.4
b	6.7
c	7.0
d	7.4
e	7.7
f	7.8
g	8.5
h	9.0
k	9.1
l	9.7
m	9.9
n	10.1
v.	

Sc. meas. of seq. for A.G. 27271
 1949.8 - 29 27 (Comp stars on B19090)
 (Trans. fr B4350)

June 26, 1903

B19090
 a 5.9
 b 6.3
 c 6.5
 d 6.5
 e 7.0
 f 7.3
 g 7.7
 h 8.4
 k 8.8
 l 9.0
 m 9.4
 n 9.7
 o 9.9
 p 10.1
 q 10.3
 r 9.3
 var. 6.3



B16112
 a 5.7
 b 6.2
 c 6.5
 d 6.5
 e 7.1
 f 7.3
 g 7.7
 h 8.3
 k 8.5

a Gl 27271 (cont.)
June 26, 1903

B 16112 (cont.)

l 8.8
m 9.3
n 9.7
o 9.9
p 10.2
q 10.5
r n.s.
var. 5.8

B 10940

a 5.3
b ~~5.8~~
c 6.2
d 6.3
e 6.7
f 7.0
g 7.3
h 8.0
i 8.5
l 8.7
m 9.2
n 9.5
o 9.7
p 9.9
q n.s.
r n.s.
var. 10.2

A G C 27271 (cont)
June 26, 1903

B17727

a	6.0
b	6.5
c	6.9
d	6.9
e	7.3
f	7.7
g	8.0
h	8.5
k	9.0
l	9.3
m	9.7
n	9.9
o	10.1
p	10.4
q	n.s?
r	n.s?
par	10.3

68

Miss McCoy
reunder

Measures of seg. for var. disc. by
Mr. Colson 21 34.0 + 42 30 (approx)
(comp stat in I 25240)

June 26, 1903

I 25240

a 7.0

b 7.2

c 7.5

d ~~7.8~~
~~7.18~~

e 8.1

v 7.5

I 7402

a 7.2

b 7.5

c 7.7

d 8.0

e 8.3

v 7.5

I 4

✓ I 4656

a 7.0

b 7.3

c 7.5

d 7.9

e 8.3

v 7.5

I 7254

a 7.2

b 7.5

c 7.7

d 8.0

e 8.4

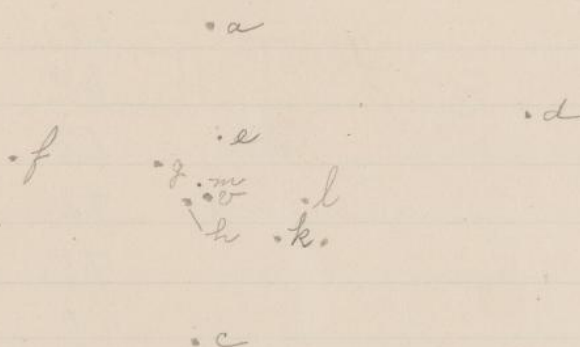
v 7.5

Sc. meas. of seg. for +48° 2942 69
 19^h 39 32.9 + 48 25.6 (comp stars on I 15328)

✓ I 15328

June 27, 1903

a 7.0
 b 7.5
 c 7.8
 d 8.2
 e 8.5
 f 9.0
 g 9.3
 h 9.7
 k 9.9
 l 10.1
 m 10.4
 var. 7.5



✓ I 15182

a 7.0
 b 7.5
 c 7.7
 d 8.2
 e 8.6
 f 8.9
 g 9.1
 h 9.5
 k 9.8
 l 10.1
 m 10.3
 var. 8.9

Cont on p. 72

J. M. S. Recorder

July 1, 1903.

Measures for sequence of Mephei
 Comp stars marked on I 29795.

I 29795

	Br.	Fl.	or Add. comp. to	Br.	Fl.
a	3.9	5.2	to 3.9 =	4.6	
b	5.5	5.5			5.2
c		5.8			5.5
d		6.1			5.8
e					6.1
f					6.5
g					6.8
h					7.3
k					7.5
l					8.0
m					8.4
n					8.7
var.				6.0	7.5

I 30113

	Br.	Fl.
a	4.0	
b		5.3
c		5.5
d		5.9
e		6.0
f		6.5
g		7.0
h		7.4
k		7.7
l		8.2
m		8.5
n		8.8
var.		5.3

U Cephei Cont.

71

I 29631

	Per.	Alt.
a	4.0	
b	5.3	
c	5.7	
d	6.0	
e	6.3	
f	6.8	
g	7.0	
h	7.4	
k	8.0	
l	8.3	
m	8.7	
n	8.9	
var	5.2	

I 29634

	Per.	Alt.
a	3.9	
b	5.20	
c	5.3	
d	5.8	
e	6.0	
f	6.4	
g	6.7	
h	7.1	
k	7.5	
l	7.9	
m	8.4	
n	8.7	
var	4.9	

72

+48° 2942 (cont. fr. p. 69)
 July 3, 1903

✓ I 11472

a	6.8
b	7.2
c	7.5
d	7.8
e	8.2
f	8.7
g	8.9
h	9.3
k	9.5
l	9.8
m	10.1
v.	9.9

✓ I 8435

a	7.3
b	7.8
c	8.0
d	8.3
e	8.5
f	8.8
g	9.0
h	9.5
k	9.7
l	10.0
m	10.3
var.	8.5

Measures of seg. for S. Cancri. 73
 (Comp stars on I 30151)
 July 19, 1903

I 30151

a	5.3
b	5.8
c	6.1
d	6.5
e	7.2
f	7.5
g	8.2
h	8.5
k	9.0
l	9.3
m	9.5
n	9.8
var.	6.2



I 30154

a	5.1
b	5.7
c	6.1
d	6.4
e	7.0
f	7.4
g	8.2
h	8.4
k	8.8
l	9.2
m	9.5
n	9.7
var.	6.1

74

S Cancri (cont.)

July 10, 1903

I 30178

a	5.1
b	5.7
c	6.0
d	6.4
e	7.2
f	7.5
g	8.2
h	8.4
k	8.7
l	9.1
m	9.4
n	9.7
var	6.1

I 29948

a	5.4
b	6.0
c	6.3
d	6.7
e	7.4
f	7.7
g	8.4
h	8.5
k	8.7
l	9.2
m	9.5
n	9.8
var	6.3

Scale measures of seg. for 75
U Coronae (Comp. stars on I 18275)

July 13, 1903

I 18275

	Bw.	Ft.
a	+0.7 3.0	3.7
b	4.3	5.0
c		5.4
d		5.5
e		5.7
f		6.2
g		6.8
h		7.0
k		7.4
l		7.5
m		7.7
n		8.2
o		8.7
		9.0
var.	4.2	

a

f l

(susp. rate) O.V.F.

U. Coronae

f

K = S Coronae

g. k

e

c

28822

I 29885

	Bw.	Ft.
a	+0.7 3.0	3.7
b	+0.7 4.3	5.0
c		5.5
d		5.5
e		5.7
f		6.3
g		6.8
h		7.0
k		7.0
l		7.5
m		7.7
n		8.1
o		8.6
var.	5.5	5.5

U Coronae (cont)
July 13, 1903

I 30162	
Bv.	FW
a _{4.7} 3.8	4.5
b _{4.7} 4.6	5.5
c	5.9
d	6.0
e	6.1
f	6.8
g	7.3
h	7.5
k	6.0
k'	7.8
l	8.0
m	8.3
n	8.8
o	9.5
var.	5.4

Skoranae = }
Substituted for k m }
July 14, 1903

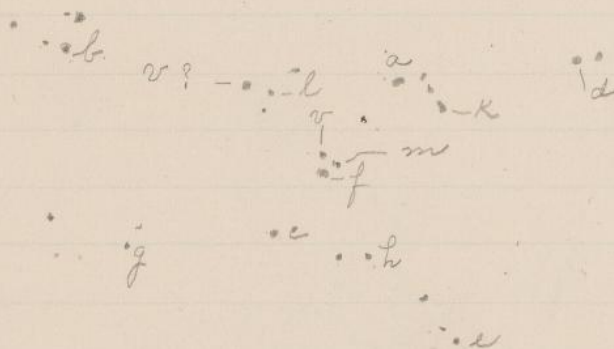
I 26918	
Bv.	FW
a _{4.7} 3.2	3.9
b 4.2	4.9
c	5.3
d	5.3
e	5.5
f	6.1
g	6.7
h	7.0
k	6.2
k'	7.6
l	7.9
m	8.3
n	8.7
o	9.2
var.	5.0

Scale meas. of wave z_c 14 3225 $R.A.$ 14 52.77
 Dec - 53° 0 (Comp stars on B16185)

July 31, 1913

B16185

✓
 a 6.5
 b 6.8
 c 7.0
 d 7.2
 e 7.5
 f 7.8
 g 8.1
 h 8.5
 k 8.6
 l 8.8
 m 9.2
 var. 7.8
 v? 6.4



✓ B14024

a 6.3
 b 6.5
 c 6.7
 d 7.0
 e 7.2
 f 7.5
 g 7.9
 h 8.2
 k 8.4
 l 8.7
 m 9.0
 v. 7.7
 v? 6.3

78

^h
14 3225 (cont.)
July 31, 1903

v

B 11409

a	6.5
b	6.8
c	7.1
d	7.4
e	7.7
f	8.0
g	8.4
h	8.7
k	8.8
l	9.0
m	9.3
v.	8.3
v?	6.5

v

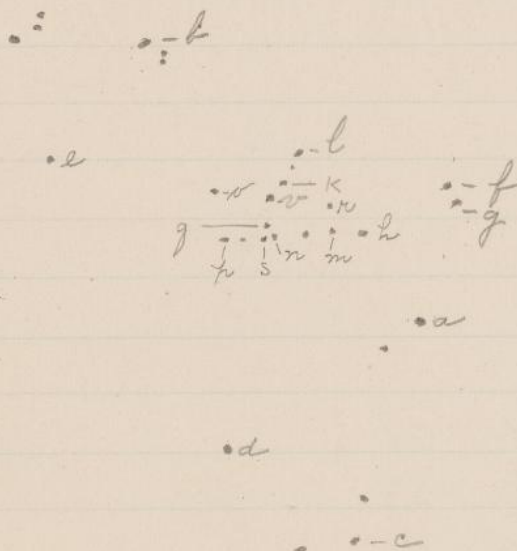
B 194125

a	6.5
b	6.8
c	7.0
d	7.3
e	7.7
f	8.0
g	8.3
h	8.7
k	8.8
l	9.0
m	9.4
v.	7.9
v?	6.7

Measures of Var. A Gl 21999 RA 16^h 9.^m 0 79
 Dec -52° 21 (comp stars on B9160)

August 1, 1903

B9160
 a 6.5
 b 6.9
 c 7.1
 d 7.5
 e 7.8
 f 8.0
 g 8.4
 h 8.5
 k 8.7
 l 8.9
 m 9.0
 n 9.1
 o 9.3
 p 9.5
 q 9.7
 r 9.9
 s 10.1
 var. 8.9



B11801
 a 6.4
 b 6.8
 c 7.1
 d 7.4
 e 7.8
 f 8.0
 g 8.3
 h 8.3

A.G. 21999 (cont)

August 1, 1903

B11801 (cont)

K	8.7
L	8.9
m	9.0
n	9.0
o	9.3
p	9.4
q	9.6 defective
r	9.8
s	10.1
var.	8.8

B15865

a	5.5	5.7	6.1
b	6.0	6.0	6.7
c	6.3	6.3	7.0
d	6.7	6.7	7.5
e	7.2	7.0	7.8
f	7.6	7.2	8.2
g	8.0	7.5	8.4
h	8.2	7.5	8.4
k	8.6	7.7	8.6
l	8.7	8.0	8.7
m	8.9	8.1	8.9
n	9.1	8.3	9.0
o	9.4	8.5	9.3
p		8.8	9.5
q		9.1	9.7
r			10.0
s			10.4
var.			9.3

Run
Images
for
Measurement

A G b 21999 (cont.)

Aug 1, 1903

B 6081

a	6.5
b	7.0
c	7.3
d	7.7
e	8.0
f	8.3
g	8.6
h	8.7
k	8.9
l	9.0
m	9.3
n	9.3
o	9.5
p	9.5
q	9.8
r	10.0
s	10.4
var.	8.7

Scale meas. of var 15 18.1-57 17 (approx)
(Comp stars on B23047)

B 23047

Aug. 5, 1903

a = ~~l~~ 6.5
b = ~~2~~ 6.8
c = ~~h~~ 7.2
d = ~~2~~ 7.5
e = ~~2~~ 7.7
f = ~~2~~ 8.3
g = ~~h~~ 8.7
h = ~~g~~ 8.9
k = ~~h~~ 9.2
l = ~~h~~ 9.5
m = ~~h~~ 9.7
n = ~~h~~ 9.9
o = ~~h~~ 9.9
p = ~~h~~ 10.1
q = ~~h~~ 10.2
r = ~~h~~ 10.5
s = ~~h~~ 9.3 W
var 8.6



B 20352

a = ~~A~~ 6.3
b = ~~2~~ 6.7
c = ~~h~~ 7.0
d = ~~2~~ 7.2
e = ~~2~~ 7.5
f = ~~2~~ 8.0
g = ~~h~~ 8.4
h = ~~g~~ 8.6
k = ~~h~~ 8.8

^h
 15 18, 1-57 17 (cont)

83

Aug 5, 1903

B20352(cont)

~~l = x~~ 9.2
~~m = x~~ 9.4
~~n = x~~ 9.6
~~r = x~~ 9.7
~~p = x~~ 9.8
~~q = x~~ 10.0
~~s = x~~ 10.2
~~d = x~~ 10.5
 var. 8.7

~~a = x~~ B25865
~~b = x~~ 6.7
~~c = x~~ 7.0
~~d = x~~ 7.2
~~e = x~~ 7.5
~~f = x~~ 8.0
~~g = x~~ 8.5
~~h = x~~ 8.7
~~k = x~~ 8.8
~~l = x~~ 9.1
~~m = x~~ 9.3
~~n = x~~ 9.4
~~r = x~~ 9.6
~~p = x~~ 9.8
~~q = x~~ 9.9
~~s = x~~ 10.2
~~d = x~~ 10.4
 var. 9.1

15 18.1-57 17 (cont)

Aug. 5, 1903

B 218402

a	7.3
b	7.6
c	8.0
d	8.2
e	8.5
f	8.8
g	9.1
h	9.3
k	9.4
l	9.7
m	9.9
n	9.9
o	10.0
p	10.1
q	10.3
r	10.5
s	9.4 w
v	9.3

Measurements of Seq. for 3C 1659 85
 16 0.8 - 48 54 (Comp stars on B13978)

Aug. 6, 1903

B 13978

a 7.0
 b 7.3
 c 7.5
 d 7.5
 e 7.9
 f 8.2
 g 8.5
 h 8.9
 k 9.0
 l 9.3
 m 9.7
 n 9.9
 o 10.1
 var. 8.0

c b a
 m g
 d n
 k f
 h

B 16357

a 7.0
 b 7.3
 c 7.5
 d 7.6
 e 8.0
 f 8.3
 g 8.5
 h 8.7
 k 8.7
 l 9.1
 m 9.5
 n 9.7
 o 10.0
 var. 7.8

26^h 16 59 (cont)
Aug 6, 1903

133742

a	6.0
b	6.3
c	6.6
d	6.8
e	7.2
f	7.4
g	7.7
h	8.1
k	8.1
l	8.5
m	9.0
n	9.4
o	9.5
var.	6.7

1316107

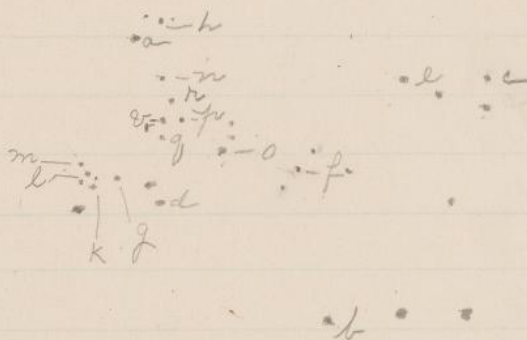
a	5.9
b	6.1
c	6.4
d	6.5
e	6.9
f	7.1
g	7.4
h	7.7
k	7.8
l	8.2
m	8.7
n	9.2
o	9.3
var.	6.4

Scale meas. of seq. for var -50 10442⁸⁷
 (Comparisons on B 27075)

Aug. 8, 1903

B 27075

a 7.0
 b 7.2
 c 7.4
 d 7.7
 e 7.8
 f 8.0
 g 8.3
 h 8.5
 k 8.7
 l 9.1
 m 9.5
 n 9.8
 r 10.0
 p 10.2
 q 10.3
 w 9.3 M
 v. 8.7



B 23469

a 7.0
 b 7.1
 c 7.3
 d 7.5
 e 7.8
 f 8.1
 g 8.4
 h 8.7
 k 8.9

- 50 10442 (cont)

Aug 8, 1903

B23469 (cont)

l	9.1
m	9.5
n	9.8
o	10.1
p	10.2
q	10.3
r	10.5
v.	8.5

B16107

a	5.2
b	5.3
c	5.6
d	5.9
e	6.2
f	6.7
g	7.1
h	7.4
k	7.7
l	8.0
m	8.5
n	9.0
o	9.5
p	9.8
q	9.8
r	10.0
var	6.9

- 50° 10442 (cont.)

89

Aug 8, 1903

133742

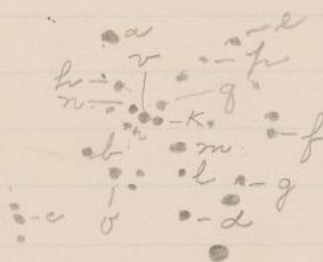
a	6.9
b	7.1
c	7.2
d	7.4
e	7.7
f	8.0
g	8.3
h	8.6
k	8.8
l	9.0
m	9.4
n	9.7
o	9.9
p	10.1
q	10.2
r	10.5
var.	8.4

Jensen's Jena spect.

Measures of Var. ^{h m} 17 16.4 - 43 43
(Compare stars on B 3851)

Aug. 10 1903

B 27078
a 6.5
b 6.7
c 6.9
d 7.2
e 7.8
f 8.1
g 8.5
h 8.7
k 8.9
l 9.1
m 9.3
n 9.5
o 9.5
p 9.7
q 10.0
r 10.3
var. 7.0



B 27107
a 7.8
b 7.9
c 8.1
d 8.4
e 8.8
f 9.0
g 9.3
h 9.5
k 9.8
l 10.0

17^h 16.4 - 43° 43' (cont) - 43° 11672

91

Aug 10, 1903

B27107 (cont)

m 10.1
 n 10.3
 o 10.3
 p 0.2 p
 q p 3 q
 r 9.2 h
 var. ns?

B15825

a 7.5
 b 7.7
 c 8.0
 d 8.2
 e 8.7
 f 8.9
 g 9.3
 h 9.5
 k 9.6
 l 9.8
 m 10.0
 n 10.1
 o 10.2
 p 0.3 p
 q ns
 r ns
 var ns?

image from
 1903phae.proj..9791

$17^h 16.4 - 43^{\circ} 43'$

Aug 10, 1903

B13972

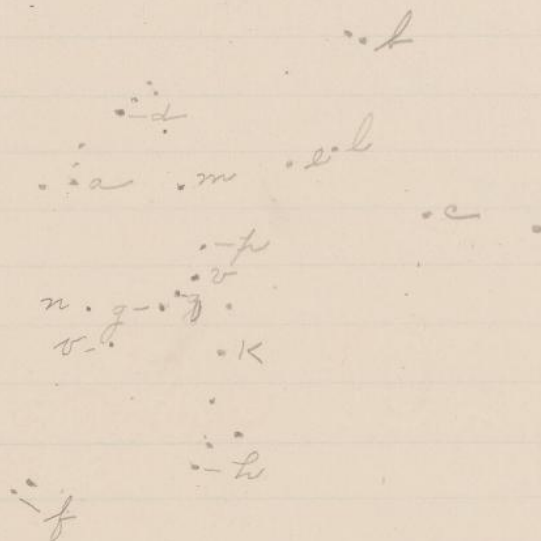
a	7.0
b	7.2
c	7.4
d	7.7
e	8.0
f	8.1
g	8.5
h	8.7
k	8.9
l	9.1
m	9.3
n	9.6
o	9.8
p	10.1
q	10.3
r	10.5
var	2.5?

Measures of Gillies 12037 16 39.8-673 **93**
(Comp stars on B11466)

B11466

Aug 11, 1903

a 6.8
b 7.0
c 7.4
d 7.7
e 8.0
f 8.5
g 8.6
h 8.9
k 9.1
l 9.4
m 9.6
n 9.9
o 9.9
p 10.2
q 10.3
var. 8.7



B11850

a 6.4
b 6.7
c 7.1
d 7.3
e 7.5
f 7.9
g 8.0
h 8.4
k 8.7
l 9.0
m 9.2

Gillies 12037 (cont.)
Aug 11, 1903

B11850

n 9.3
r 9.5
p 9.8
q 10.0
var 8.3

B20395

a 6.2
b 6.5
c 6.8
d 7.0
e 7.4
f 7.9
g 8.1
h 8.5
i 8.6
l 8.8
m 8.9
n 9.1
o 9.3
p 9.5
q 9.7
var 8.0

B16360

a 5.9
b 6.2
c 6.7
d 6.7

Gillies 12037 (cont.)

Aug. 11, 1903

95

B16360 (cont.)

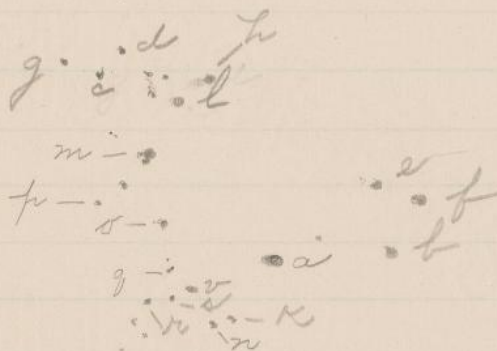
e	7.0
f	7.3
g	7.5
h	7.8
k	8.0
l	8.2
m	8.5
n	8.7
s	9.0
pu	9.5
q	9.9
var	7.8

Measured of seg. for var 16 56.8 - 36 46 (1903)
(Comp stations on B 30105 and B 5418)

Aug. 12, 1903

B 30105

a 6.5
b 7.0
c 7.5
d 7.7
e 8.1
f 8.5
g 8.8
h 8.8
k 9.2
l 9.4
m 9.7
n 9.7
o 9.9
p 10.1
q 10.3
r 10.5
s 10.2
var 8.9



B 17178

a 5.7
b 6.4
c 6.8
d 7.0
e 7.2
f 7.5
g 7.9
h 8.1

16 56.8 - 36 46

97

Aug. 12, 1903

B17178 (cont)

k 8.5
 l 8.7
 m 8.9
 n 9.1
 o 9.3
 p 9.5
 q 9.7
 r 9.9
 s 10.1
 var 10.0

B16779

13m. 4.0 = 4.7

a 4.0 = 4.7
 b 5.4
 c 5.7
 d 6.0
 e 6.2
 f 6.5
 g 6.8
 h 7.0
 i 7.5
 j 7.9
 k 8.3
 l 8.5
 m 8.8
 n 9.0
 o 9.4
 p 9.7
 q 10.0
 var 9.7

16 56.8 - 36.46

19440
B-187125

Aug. 12, 1903

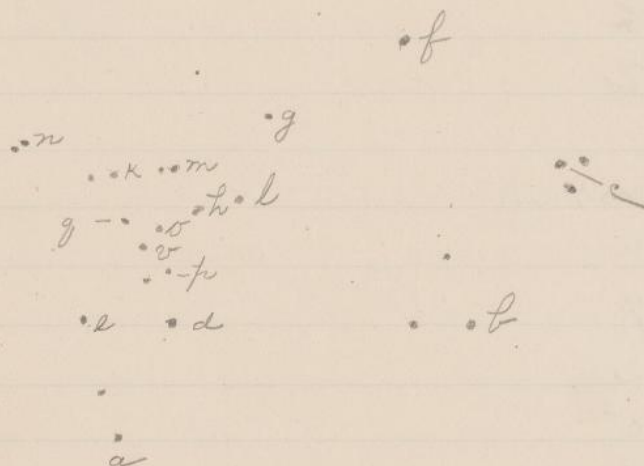
a	5.0
b	5.7
c	6.0
d	6.1
e	6.5
f	6.9
g	7.2
h	7.3
k	7.8
l	8.1
m	8.5
n	8.5
s	8.8
pu	9.2
q	9.5
w	10.0
N	10.3
var	6.4

Measures of seq. for var -49 11810 99
 17th 49.2 - 49 46 (Comp stars on B11633)

Aug 15 1903

B11633

a 6.3
 b 6.5
 c 7.2
 d 7.5
 e 7.7
 f 8.1
 g 8.7
 h 8.9
 k 9.2
 l 9.4
 m 9.6
 n 9.9
 o 10.1
 p 10.3
 q 10.4
 var. 9.0



B13750

a 5.8
 b 6.0
 c 6.5
 d 6.9
 e 7.0
 f 7.3
 g 7.8
 h 7.9
 k 8.1
 l 8.3

100

-49° 11810 (cont)

Sept 18, 1903

B 13750 (cont)

m	8.5
n	8.8
v	9.1
pr	9.4
q	9.5
var.	7.7

I 25423

a	6.3
b	6.7
c	7.2
d	7.5
e	7.7
f	8.0
g	8.5
h	8.7
k	8.9
l	9.0
m	9.1
n	9.3
o	9.5
pr	9.7
q	10.0
var	7.9

- 49 11810 (cont)

101

Sept 18, 1903

B 17452

a	6.5
b	6.8
c	7.3
d	7.7
e	7.8
f	8.0
g	8.5
h	8.6
k	8.8
l	9.0
m	9.1
n	9.3
o	9.5
p	9.7
q	10.0
var	7.7

102

Sc. meas. of $-6^{\circ} 4661$ $17^{\text{h}} 44.8^{\text{m}} - 6^{\circ} 40'$
 (Comparison on B 23660)

B 23660

Sept 18, 1903

a 6.7
 b 7.2
 c 7.3
 d 7.8
 e 8.4
 f 8.7
 g 9.0
 h 9.2
 k 9.4
 l 9.5
 m 9.8
 n 10.0
 o 10.8
 var. 9.6

7.7
 .l
 .v .m
 .h .v
 .k .d .a
 .i

B 22792

a 6.8
 b 7.3
 c 7.3
 d 7.7
 e 8.2
 f 8.5
 g 8.9
 h 9.1
 k 9.2
 l 9.2
 m 9.7
 n 9.9
 o 10.1
 var. 9.4

— 6° 4661 (cont)
Sept 21, 1903

B 25121

a	6.8
b	7.2
c	7.3
d	7.7
e	8.0
f	8.3
g	8.6
h	8.8
k	8.8
l	9.0
m	9.5
n	9.7
o	10.0
var.	7.8

B 27157

a	6.4
b	6.8
c	7.0
d	7.4
e	7.7
f	8.2
g	8.6
h	8.8
k	8.9
l	9.1
m	9.5
n	9.7
o	9.9
var.	8.6

Scale meas of seq for - Tauri.
 $5^h 44.2 + 15 57$ (approx 1855)

Comp stars on I 20057

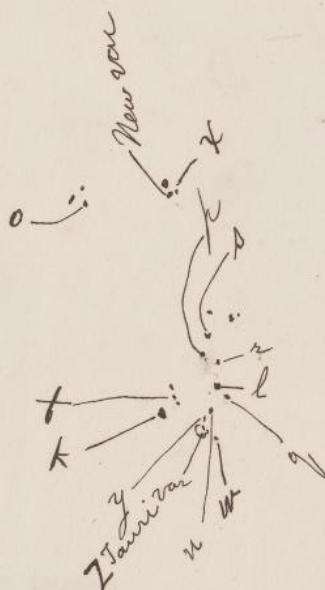
Sept 23, 1903

I 20057

a	6.8
d	7.0
b	7.2
c	7.5
e	8.0
f	8.3
g	8.5
h	8.6
k	8.7
l	8.9
m	9.1
n	9.1
o	9.5
p	9.6
q	9.8
r	9.8
s	10.0
t	s 5 t
u	t 2 u
v	u 2 v
x	w 3 x
y	x 1 y
3 Tauri	10.5
- Tauri	F-



Region of I Tauri and
 - Tauri, Charted from Plate R I 20057.

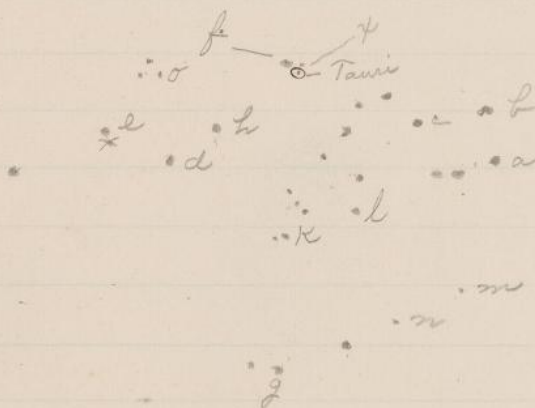


Tauri (cont.)
Sept 23, 1903

105

* I 24340

a 5.7
b 5.9
c 6.0
d 6.3
e 6.7
f 7.1
g 7.4
h 7.5
k 7.7
l 7.9
m 8.0
n 8.2
o 8.6
p 8.8
q 9.0
r 9.1
s 9.2
t 9.7
u 10.0
v 10.3
x w 3 y
y v 3 y
z Tauri 10.1
- " 8.0
- " 10.1



See chart on preceding page for fl. stars
in sequence -

Images from for measurement -

Tauri (cont.)
Sept 23, 1903

<u>I</u>	
B26357	
a	6.8
b	7.1
c	7.2
d	7.5
e	7.9
f	8.3
g	8.7
h	8.9
k	9.1
l	9.3
m	9.5
n	9.5
o	9.8
p	9.9
q	10.2
r	10.5
s	10.5
t	10.5
u	10.5
v	10.5
w	10.5
x	10.5
y	10.5
3 Tauri	F.
- "	F.

u 2 r
w 2 r
x 1 y

Pow plate.

— Tauri (cont.)
Sept 23, 1903

I 28243
a 7.7
b 7.9
c 8.0
d 8.3
e ~~8.5~~
f ~~8.7~~
g ~~8.7~~
h 9.0
i 9.0
k 9.3
l 9.3
m 9.5
n 9.6
o 9.8
p 9.8
q 10.0
r 10.0
s 10.1
t 10.3
u 14 u
v u 2 u
x w 2 x ?
y x. 2 y ?
z
—

Plate scratched in region of -Tauri and "x"

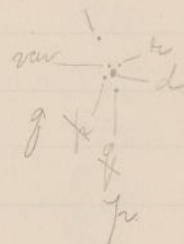
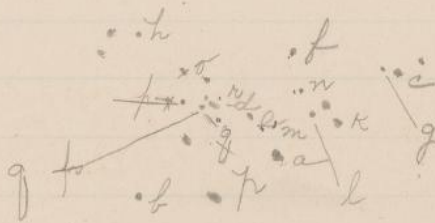
CPD

Measures of Var - 35 72.70 17 39 56.0 - 35 39.1
 (LDW) 1901
 Comp stars on B19082

Sept 24, 1903

B19082

a 6.8
 b 7.8
 c 7.9
 d 8.5
 e 8.5
 f 8.7
 g 8.7
 h 9.3
 k 9.5
 l 9.7
 m 9.9
 n 10.1
 o 10.3
 p 0.4 p
 q p 19
 r 9.3 r
 var 10.5



B19444

a 6.8
 b 7.5
 c 7.7
 d 8.2
 e 8.3
 f 8.5
 g 8.5
 h 9.0
 k 9.4

Sept 24, 1903

B19444 (cont)

l 9.6
 m 9.8
 n 10.0
 o 10.3
 p 10.4
 q 10.5
 r 10.6
 s 10.7
 t 10.8
 u 10.9
 v 11.0
 w 11.1
 x 11.2
 y 11.3
 z 11.4
 aa 11.5
 ab 11.6
 ac 11.7
 ad 11.8
 ae 11.9
 af 12.0
 ag 12.1
 ah 12.2
 ai 12.3
 aj 12.4
 ak 12.5
 al 12.6
 am 12.7
 an 12.8
 ao 12.9
 ap 13.0
 aqu 13.1
 ar 13.2
 as 13.3
 at 13.4
 au 13.5
 av 13.6
 aw 13.7
 ax 13.8
 ay 13.9
 az 14.0
 ba 14.1
 bb 14.2
 bc 14.3
 bd 14.4
 be 14.5
 bf 14.6
 bg 14.7
 bh 14.8
 bi 14.9
 bj 15.0
 bk 15.1
 bl 15.2
 bm 15.3
 bn 15.4
 bo 15.5
 bp 15.6
 bq 15.7
 br 15.8
 bs 15.9
 bt 16.0
 bu 16.1
 bv 16.2
 bw 16.3
 bx 16.4
 by 16.5
 bz 16.6
 ca 16.7
 cb 16.8
 cc 16.9
 cd 17.0
 ce 17.1
 cf 17.2
 cg 17.3
 ch 17.4
 ci 17.5
 cj 17.6
 ck 17.7
 cl 17.8
 cm 17.9
 cn 18.0
 co 18.1
 cp 18.2
 cq 18.3
 cr 18.4
 cs 18.5
 ct 18.6
 cu 18.7
 cv 18.8
 cw 18.9
 cx 19.0
 cy 19.1
 cz 19.2
 da 19.3
 db 19.4
 dc 19.5
 dd 19.6
 de 19.7
 df 19.8
 dg 19.9
 dh 20.0
 di 20.1
 dj 20.2
 dk 20.3
 dl 20.4
 dm 20.5
 dn 20.6
 do 20.7
 dp 20.8
 dq 20.9
 dr 21.0
 ds 21.1
 dt 21.2
 du 21.3
 dv 21.4
 dw 21.5
 dx 21.6
 dy 21.7
 dz 21.8
 ea 21.9
 eb 22.0
 ec 22.1
 ed 22.2
 ee 22.3
 ef 22.4
 eg 22.5
 eh 22.6
 ei 22.7
 ej 22.8
 ek 22.9
 el 23.0
 em 23.1
 en 23.2
 eo 23.3
 ep 23.4
 eq 23.5
 er 23.6
 es 23.7
 et 23.8
 eu 23.9
 ev 24.0
 ew 24.1
 ex 24.2
 ey 24.3
 ez 24.4
 fa 24.5
 fb 24.6
 fc 24.7
 fd 24.8
 fe 24.9
 ff 25.0
 fg 25.1
 fh 25.2
 fi 25.3
 fj 25.4
 fk 25.5
 fl 25.6
 fm 25.7
 fn 25.8
 fo 25.9
 fp 26.0
 fq 26.1
 fr 26.2
 fs 26.3
 ft 26.4
 fu 26.5
 fv 26.6
 fw 26.7
 fx 26.8
 fy 26.9
 fz 27.0
 ga 27.1
 gb 27.2
 gc 27.3
 gd 27.4
 ge 27.5
 gf 27.6
 gh 27.7
 gi 27.8
 gj 27.9
 gk 28.0
 gl 28.1
 gm 28.2
 gn 28.3
 go 28.4
 gp 28.5
 gq 28.6
 gr 28.7
 gs 28.8
 gt 28.9
 gu 29.0
 gv 29.1
 gw 29.2
 gx 29.3
 gy 29.4
 gz 29.5
 ha 29.6
 hb 29.7
 hc 29.8
 hd 29.9
 he 30.0
 hf 30.1
 hg 30.2
 hh 30.3
 hi 30.4
 hj 30.5
 hk 30.6
 hl 30.7
 hm 30.8
 hn 30.9
 ho 31.0
 hp 31.1
 hq 31.2
 hr 31.3
 hs 31.4
 ht 31.5
 hu 31.6
 hv 31.7
 hw 31.8
 hx 31.9
 hy 32.0
 hz 32.1
 ia 32.2
 ib 32.3
 ic 32.4
 id 32.5
 ie 32.6
 if 32.7
 ig 32.8
 ih 32.9
 ii 33.0
 ij 33.1
 ik 33.2
 il 33.3
 im 33.4
 in 33.5
 io 33.6
 ip 33.7
 iq 33.8
 ir 33.9
 is 34.0
 it 34.1
 iu 34.2
 iv 34.3
 iw 34.4
 ix 34.5
 iy 34.6
 iz 34.7
 ja 34.8
 jb 34.9
 jc 35.0
 jd 35.1
 je 35.2
 jf 35.3
 jg 35.4
 jh 35.5
 ji 35.6
 jj 35.7
 jk 35.8
 jl 35.9
 jm 36.0
 jn 36.1
 jo 36.2
 jp 36.3
 jq 36.4
 jr 36.5
 js 36.6
 jt 36.7
 ju 36.8
 jv 36.9
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 kj 38.3
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 km 38.5
 kn 38.6
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 kw 39.5
 kx 39.6
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 lb 40.0
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 ld 40.2
 le 40.3
 lf 40.4
 lg 40.5
 lh 40.6
 li 40.7
 lj 40.8
 lk 40.9
 lm 41.0
 ln 41.1
 lo 41.2
 lp 41.3
 lq 41.4
 lr 41.5
 ls 41.6
 lt 41.7
 lu 41.8
 lv 41.9
 lw 42.0
 lx 42.1
 ly 42.2
 lz 42.3
 ma 42.4
 mb 42.5
 mc 42.6
 md 42.7
 me 42.8
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 mj 43.3
 mk 43.4
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 mo 43.7
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 uj 63.9
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 um 64.2
 un 64.3
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 up 64.5
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 ut 64.9
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 uw 65.2
 ux 65.3
 uy 65.4
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 vb 65.7
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 vh 66.3
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 vl 66.7
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 vn 66.9
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 vq 67.2
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 vz 68.1
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 xk 71.8
 xl 71.9
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 xo 72.2
 xp 72.3
 xq 72.4
 xr 72.5
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 xt 72.7
 xu 72.8
 xv 72.9
 xw 73.0
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 xy 73.2
 xz 73.3
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 yb 73.5
 yc 73.6
 yd 73.7
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 yf 73.9
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 yh 74.1
 yi 74.2
 yj 74.3
 yk 74.4
 yl 74.5
 ym 74.6
 yn 74.7
 yo 74.8
 yp 74.9
 yq 75.0
 yr 75.1
 ys 75.2
 yt 75.3
 yu 75.4
 yv 75.5
 yw 75.6
 yx 75.7
 yy 75.8
 yz 75.9
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 zb 76.1
 zc 76.2
 zd 76.3
 ze 76.4
 zf 76.5
 zg 76.6
 zh 76.7
 zi 76.8
 zj 76.9
 zk 77.0
 zl 77.1
 zm 77.2
 zn 77.3
 zo 77.4
 zp 77.5
 zq 77.6
 zr 77.7
 zs 77.8
 zt 77.9
 zu 78.0
 zv 78.1
 zw 78.2
 zx 78.3
 zy 78.4
 zz 78.5
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 ab 78.7
 ac 78.8
 ad 78.9
 ae 79.0
 af 79.1
 ag 79.2
 ah 79.3
 ai 79.4
 aj 79.5
 ak 79.6
 al 79.7
 am 79.8
 an 79.9
 ao 80.0
 ap 80.1
 aqu 80.2
 ar 80.3
 as 80.4
 at 80.5
 au 80.6
 av 80.7
 aw 80.8
 ax 80.9
 ay 81.0
 az 81.1
 ba 81.2
 bb 81.3
 bc 81.4
 bd 81.5
 be 81.6
 bf 81.7
 bg 81.8
 bh 81.9
 bi 82.0
 bj 82.1
 bk 82.2
 bl 82.3
 bm 82.4
 bn 82.5
 bo 82.6
 bp 82.7
 bq 82.8
 br 82.9
 bs 83.0
 bt 83.1
 bu 83.2
 bv 83.3
 bw 83.4
 bx 83.5
 by 83.6
 bz 83.7
 ca 83.8
 cb 83.9
 cc 84.0
 cd 84.1
 ce 84.2
 cf 84.3
 cg 84.4
 ch 84.5
 ci 84.6
 cj 84.7
 ck 84.8
 cl 84.9
 cm 85.0
 cn 85.1
 co 85.2
 cp 85.3
 cq 85.4
 cr 85.5
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 ct 85.7
 cu 85.8
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 cx 86.1
 cy 86.2
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 db 86.5
 dc 86.6
 dd 86.7
 de 86.8
 df 86.9
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 dh 87.1
 di 87.2
 dj 87.3
 dk 87.4
 dl 87.5
 dm 87.6
 dn 87.7
 do 87.8
 dp 87.9
 dq 88.0
 dr 88.1
 ds 88.2
 dt 88.3
 du 88.4
 dv 88.5
 dw 88.6
 dx 88.7
 dy 88.8
 dz 88.9
 ea 89.0
 eb 89.1
 ec 89.2
 ed 89.3
 ee 89.4
 ef 89.5
 eg 89.6
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 ej 89.9
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 el 90.1
 em 90.2
 en 90.3
 eo 90.4
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 er 90.7
 es 90.8
 et 90.9
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 ev 91.1
 ew 91.2
 ex 91.3
 ey 91.4
 ez 91.5
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 fc 91.8
 fd 91.9
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 ff 92.1
 fg 92.2
 fh 92.3
 fi 92.4
 fj 92.5
 fk 92.6
 fl 92.7
 fm 92.8
 fn 92.9
 fo 93.0
 fp 93.1
 fq 93.2
 fr 93.3
 fs 93.4
 ft 93.5
 fu 93.6
 fv 93.7
 fw 93.8
 fx 93.9
 fy 94.0
 fz 94.1
 ga 94.2
 gb 94.3
 gc 94.4
 gd 94.5
 ge 94.6
 gf 94.7
 gh 94.8
 gi 94.9
 gj 95.0
 gk 95.1
 gl 95.2
 gm 95.3
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 go 95.5
 gp 95.6
 gq 95.7
 gr 95.8
 gs 95.9
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 gv 96.2
 gw 96.3
 gx 96.4
 gy 96.5
 gz 96.6
 ha 96.7
 hb 96.8
 hc 96.9
 hd 97.0
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 hf 97.2
 hg 97.3
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 hl 97.8
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 ho 98.1
 hp 98.2
 hq 98.3
 hr 98.4
 hs 98.5
 ht 98.6
 hu 98.7
 hv 98.8
 hw 98.9
 hx 99.0
 hy 99.1
 hz 99.2
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 it 101.2
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 iv 101.4
 iw 101.5
 ix 101.6
 iy 101.7
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 js 103.7
 jt 103.8
 ju 103.9
 jv 104.0
 jw 104.1
 jx 104.2
 jy 104.3
 jz 104.4
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 kb 104.6
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 kd 104.8
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 kj 105.4
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 kn 105.7
 ko 105.8
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 ku 106.4
 kv 106.5
 kw 106.6
 kx 106.7
 ky 106.8
 kz 106.9
 la 107.0
 lb 107.1
 lc 107.2
 ld 107.3
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 lf 107.5
 lg 107.6
 lh 107.7
 li 107.8
 lj 107.9
 lk 108.0
 lm 108.1
 ln 108.2
 lo 108.3
 lp 108.4
 lq 108.5
 lr 108.6
 ls 108.7
 lt 108.8
 lu 108.9
 lv 109.0
 lw 109.1
 lx 109.2
 ly 109.3
 lz 109.4
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 mb 109.6
 mc 109.7
 md 109.8
 me 109.9
 mf 110.0
 mg 110.1
 mh 110.2
 mi 110.3
 mj 110.4
 mk 110.5
 ml 110.6
 mn 110.7
 mo 110.8
 mp 110.9
 mq 111.0
 mr 111.1
 ms 111.2
 mt 111.3
 mu 111.4
 mv 111.5
 mw 111.6
 mx 111.7
 my 111.8
 mz 111.9
 na 112.0
 nb 112.1
 nc 112.2
 nd 112.3
 ne 112.4
 nf 112.5
 ng 112.6
 nh 112.7
 ni 112.8
 nj 112.9
 nk 113.0
 nl 113.1
 nm 113.2
 no 113.3
 np 113.4
 nq 113.5
 nr 113.6
 ns 113.7
 nt 113.8
 nu 113.9
 nv 114.0
 nw 114.1
 nx 114.2
 ny 114.3
 nz 114.4
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 ob 114.6
 oc 114.7
 od 114.8
 oe 114.9
 of 115.0
 og 115.1
 oh 115.2
 oi 115.3
 oj 115.4
 ok 115.5
 ol 115.6
 om 115.7
 on 115.8
 oo 115.9
 op 116.0
 oq 116.1
 or 116.2
 os 116.3
 ot 116.4
 ou 116.5
 ov 116.6
 ow 116.7
 ox 116.8
 oy 116.9
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 pb 117.2
 pc 117.3
 pd 117.4
 pe 117.5
 pf 117.6
 pg 117.7
 ph 117.8
 pi 117.9
 pj 118.0
 pk 118.1
 pl 118.2
 pm 118.3
 pn 118.4
 po 118.5
 pp 118.6
 pq 118.7
 pr 118.8
 ps 118.9
 pt 119.0
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 pv 119.2
 pw 119.3
 px 119.4
 py 119.5
 pz 119.6
 qa 119.7
 qb 119.8
 qc 119.9
 qd 120.0
 qe 120.1
 qf 120.2
 qg 120.3
 qh 120.4
 qi 120.5
 qj 120.6
 qk 120.7
 ql 120.8
 qm 120.9
 qn 121.0
 qo 121.1
 qp 121.2
 qq 121.3
 qr 121.4
 qs 121.5
 qt 121.6
 qu 121.7
 qv 121.8
 qw 121.9
 qx 122.0
 qy 122.1
 qz 122.2
 ra 122.3
 rb 122.4
 rc 122.5
 rd 122.6
 re 122.7
 rf 122.8
 rg 122.9
 rh 123.0
 ri 123.1
 rj 123.2
 rk 123.3
 rl 123.4
 rm 123.5
 rn 123.6
 ro 123.7
 rp 123.8
 rq 123.9
 rr 124.0
 rs 124.1
 rt 124.2
 ru 124.3
 rv 124.4
 rw 124.5
 rx 124.6
 ry 124.7
 rz 124.8
 sa 124.9
 sb 125.0
 sc 125.1
 sd 125.2
 se 125.3
 sf 125.4
 sg 125.5
 sh 125.6
 si 125.7
 sj 125.8
 sk 125.9
 sl 126.0
 sm 126.1
 sn 126.2
 so 126.3
 sp 126.4
 sq 126.5
 sr 126.6
 ss 126.7
 st 126.8
 su 126.9
 sv 127.0
 sw 127.1
 sx 127.2
 sy 127.3
 sz 127.4
 ta 127.5
 tb 127.6
 tc 127.7
 td 127.8
 te 127.9
 tf 128.0
 tg 128.1
 th

110

CPD - 35° 72.70 (cont.)
Sept 24, 1903

B19217

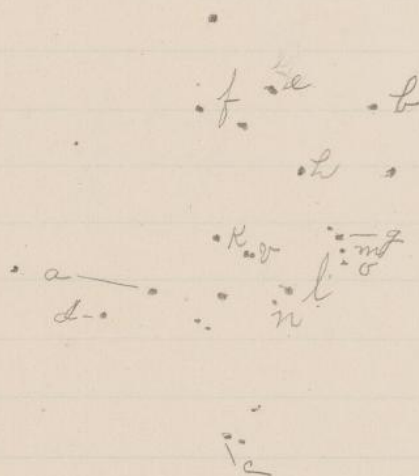
a	6.8
b	7.5
c	7.7
d	8.1
e	8.3
f	8.6
g	8.6
h	9.0
k	9.3
l	9.5
m	9.7
n	9.9
o	10.1
p	10.5
q	10.39
r	10.44
varu	tr.

The above star was announced by Innes in 1899

Scale meas. of var-39 12196 ^{hr} 17 58.2-39 ²⁰ 111
 Sept 28, 1903 (Comp stars on B 30644)

B 30644

a 7.5
 b 8.0
 c 8.3
 d 8.5
 e 8.7
 f 8.8
 g 9.2
 h 9.5
 k 9.6
 l 9.9
 m 10.1
 n 10.5
 o 10.7
 var 9.8



B 16518

a 6.7
 b 7.0
 c 7.3
 d 7.7
 e 8.0
 f 8.2
 g 8.5
 h 8.8
 k 9.1
 l 9.5
 m 9.7
 n 10.1
 o 10.2
 var 9.5

- 39° 12' 19.6 (cont.)
 Sept 28, 1903

B 14039

a	5.9
b	6.2
c	6.7
d	7.0
e	7.3
f	7.5
g	8.0
h	8.4
k	8.5
l	8.8
m	9.3
n	9.6
r	9.7
var	9.3

B 22510

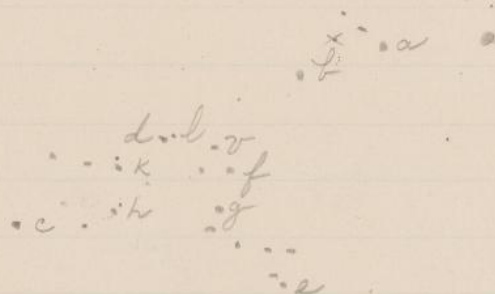
a	6.0
b	6.4
c	6.7
d	7.0
e	7.2
f	7.5
g	7.8
h	8.2
k	8.5
l	8.8
m	9.2
n	9.5
r	9.8
var.	8.4

Scale meas of $-15^{\circ} 49' 23''$ $18^{\circ} 11.0' - 15^{\circ} 40'$ **113**
 (Comp stars on B28620)

Oct 2, 1903

B28620

a 7.4
 b 7.7
 c 8.2
 d 8.5
 e 8.8
 f 8.9
 g 9.2
 h 9.6
 k 9.8
 l 10.0
 v 8.2



B23282

a 7.0
 b 7.3
 c 7.7
 d 8.0
 e 8.3
 f 8.5
 g 8.7
 h 9.0
 k 9.3
 l 9.7
 var 7.5

114

- 15° 4923 (cont)

Oct 3, 1903

B 9852

a	7.0
b	7.3
c	7.8
d	8.1
e	8.5
f	8.5
g	8.8
h	9.3
k	9.7
l	9.9
var.	7.7

B 19327

a	6.7
b	6.9
c	7.4
d	7.7
e	7.9
f	8.1
g	8.5
h	8.9
k	9.3
l	9.5
var.	7.4

Meas. of seq. for 18 0.7-45 25 (1875) 115
(Comp stars on B14040)

Oct 21, 1903

B14040

a	4.9	
b	5.3	
c	5.8	
d	6.3	
e	6.9	
f	7.0	
g	7.2	
h	7.3	
k	7.8	
l	8.2	
m	8.5	
n	8.7	
o	9.0	
p	9.3	
q	9.5	
r	9.7	
s	10.0	
t	10.3	
v	7.7	

B14495

a	4.6	39
b	5.0	
c	5.7	
d	6.3	
e	6.8	
f	6.9	
g	7.3	
h	7.2	

116

18 0.7-45 25 (cont)

Oct 21, 1903

B 14495 (cont)

k	7.7
l	8.3
m	8.5
n	8.7
o	9.1
p	9.3
q	9.7
r	9.9
s	10.1
t	10.5
v	8.8

B 25343

a	5.0
b	5.3
c	6.0
d	6.4
e	7.0
f	6.9
g	7.1
h	7.3
k	7.6
l	8.2
m	8.5
n	8.7
o	9.0
p	9.4
q	9.7
r	9.9
s	10.1
t	10.3
v	8.4

out from photo-
image strip

18 0.7 - 45 25 (cont)

Oct 22, 1903

B 30362

a	5.7
b	6.0
c	6.4
d	6.8
e	7.3
f	7.4
g	7.7
h	7.9
k	8.5
l	8.7
m	9.0
n	9.2
o	9.5
p	9.7
q	9.9
r	10.1
s	10.3
t	10.5
var.	9.3

Images from for measurement.

118

Areas of sequence for -16° 4904
(Comp stars on B27447)
Oct 23, 1903

✓ B27447

a 5.8

b 6.2

c 6.4

d 6.9

e 7.3

f 7.7

g 8.1

h 8.4

k 8.7

l 8.9

m 9.1

n 9.2

o 9.6

p 9.9

q 10.1

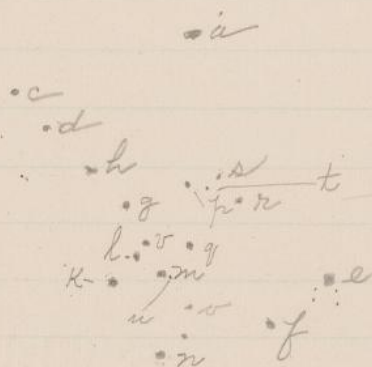
r 10.1

s 10.3

t 10.3

u 10.2

var. 9.5



✓ B25391

a 5.4

b 5.9

c 6.1

d 6.7

e 7.0

f 7.4

g 7.8

-16 4904 (cont.)

119

Oct 23, 1903

✓ B25391 (cont.)

h 8.2
 k 8.5
 l 8.7
 m 8.8
 n 8.9
 o 9.2
 p 9.5
 q 9.7
 r 9.7
 s 10.0
 t 10.4
 u 10.3
 v 9.5

✓ B14044

a 5.1
 b 5.4
 c 5.8
 d 6.4
 e 6.8
 f 7.1
 g 7.6
 h 8.1
 k 8.4
 l 8.6
 m 8.8
 n 8.8
 o 9.1
 p 9.3
 q 9.6

120

- 16 4904 (cont)

Oct 23, 1903

✓ B14044 (cont)

u 9.5

u 9.9

t 10.2

u t 4u

var 9.4

✓ B19243

a 5.5

b 6.0

c 6.5

d 7.0

e 7.4

f 7.9

g 8.2

h 8.6

k 8.8

l 8.9

m 8.9

n 9.1

o 9.3

p 9.6

q 9.8

r 9.8

s 9.8

t 10.0

u 10.2

v 10.4

var. 9.5

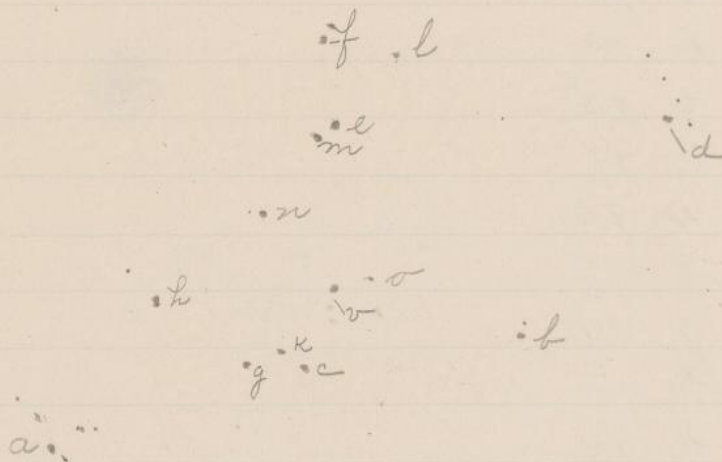
Sc. meas. of var $18^{\circ} 37.6' + 28^{\circ} 43'$

121

(Comp stars on B25323)
Oct 28, 1903

✓ I
B25323

a 6.9
b 7.5
c 7.7
d 8.0
e 8.2
f 8.8
g 9.2
h 9.4
k 9.5
l 9.7
m 10.0
n 10.2
o 10.5
var 8.5



✓ I 8816

a 7.5
b 8.2
c 8.5
d 8.7
e 8.9
f 9.4
g 9.7
h 9.9
k 9.9
l 9.9
m 10.1
n 10.3
o 10.5
var 9.7

122

+28° 30 55 (cont)

Oct 28, 1903

✓ I 160921

a 7.8

b 8.3

c 8.5

d 8.7

e 9.0

f 9.5

g 9.7

h 9.7

k 9.8

l 10.0

m 10.2

n 10.3

o 10.4

var 9.7

✓ I 6631

a 7.5

b 8.0

c 8.2

d 8.6

e 8.8

f 9.2

g 9.5

h 9.5

k 9.7

l 10.0

m 10.0

n 10.2

o 10.5

var 9.5

Scale meas. of seg. for -8 4726 123
 18 4.2 27.8 -8 4.1 (comp. stars on B29575)

Oct 30, 1903

✓ B29575

a 5.7
 b 6.0
 c 6.3
 d 6.6
 e 7.0
 f 7.1
 g 7.4
 h 8.2
 k 8.5
 l 8.7
 m 8.9
 n 9.2
 o 9.5
 p 9.8
 r 7.8

g h e
 m k
 i v h p d
 f c
 j

✓ B23345

a 5.7
 b 6.0
 c 6.3
 d 6.5
 e 7.0
 f 7.3
 g 7.7
 h 8.4
 k 8.7
 l 8.8
 m 9.0
 n 9.3
 o 9.5
 p 9.7
 r 7.7

124

-8° 4726 (cont)

Oct 30, 1903

✓ B. 12545

a	6.0
b	6.3
c	6.5
d	6.9
e	7.5
f	7.7
g	8.0
h	8.6
k	9.0
l	9.2
m	9.5
n	9.7
r	9.9
μ	10.1
v.	7.3

✓ B. 8470

a	6.4
b	6.7
c	7.1
d	7.4
e	7.8
f	8.1
g	8.5
h	9.0
k	9.4
l	9.5
m	9.7
n	9.9
r	10.1
μ	10.3
v.	8.5

Meas of seq. for -8° 4764

18 47 33.6 -8 21.6 9.5

(Comp stars on B29575)

Oct 30, 1903

✓ B29575

a 7.0

b 7.1

c 7.4

d? d 7.7

e 8.0

f 8.2

g 8.5

h 8.7

k 9.0

l 9.3

m 9.5

n 9.7

o 10.0

p 10.3

q 10.5

r 8.4



✓ B 8470

a 7.5

b 7.7

c 8.2

d 8.5

e 8.7

f 8.8

g 9.0

h 9.2

k 9.5

l 9.7

m 9.8

n 10.0

o 10.2

p 10.5

q 10.5

r 10.5

-8 4764 (cont.)
Oct 30, 1903

✓ B12545

a	7.5
b	7.6
c	8.1
d	8.5
e	8.7
f	8.7
g	8.9
h	9.2
k	9.5
l	9.8
m	10.0
n	10.2
v	10.5
fu	0.3 fu
g	fu 19
er	9.7

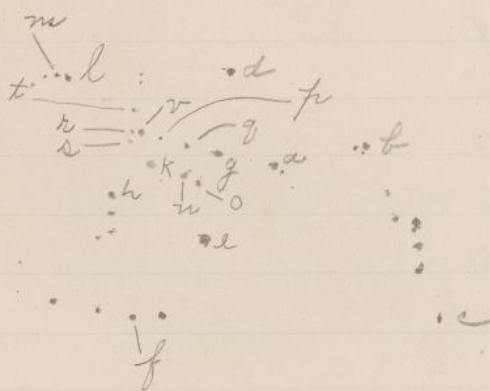
✓ B23345

a	7.2
b	7.3
c	7.6
d?	d 7.9
e	8.2
f	8.3
g	8.6
h	8.8
k	9.1
l	9.3
m	9.5
n	9.8
v	10.0
fu	0.4 fu
g	fu 19
er	

Meas. of Seq. for var. $18^h 38.7-38^s 52$ 127
 Oct 30, 1903 (Compare stars on B11789)

✓ B11789

a 6.5
 b 6.9
 c 7.3
 d 7.5
 e 7.7
 f 7.9
 g 8.4
 h 8.8
 k 9.2
 l 9.3
 m 9.6
 n 9.8
 o 10.1
 p 10.4
 q 10.3
 r 9.3
 s 10.2
 t 10.3
 var. 9.1



✓ B27445

a 6.5
 b 7.0
 c 7.4
 d 7.7
 e 8.0
 f 8.3
 g 8.6
 h 9.0

Meas. of seg for Var. 18 38.7-38 52 (cont)
(Comp stars in B11789)

Nov 2, 1903

✓

B27445 (cont)

k 9.3
l 9.3
m 9.7
n 9.9
o 10.0
p 10.2
q 10.4
r 9.3 n
s 10.2 n
t 10.3 t
var 7-

✓ B19086

a 6.4
b 6.8
c 7.4
d 7.7
e 8.0
f 8.2
g 8.5
h 8.7
i 8.9
j 8.9
k 9.3
l 9.5
m 9.7
n 9.8
o 10.0
p 10.3
q 10.3
r 10.3
s 10.3
t 10.3
var 7-

18 38.7-38 52 (cont)

Nov 2, 1903

✓ B1944.9

a 6.0

b 6.2

c 6.7

d 6.9

e 7.3

f 7.5

g 7.9

h 8.2

k 8.5

l 8.6

m 9.2

n 9.5

o 9.7

p 9.9

q 10.0

r 10.2

s 10.5

t 10.3

var. 7.8

Meas. of seq for var ^{h m} 18 53.4-12 57
(Comp stars on B19512)

Nov 5, 1903

↓ B19512

a	7.2
b	7.3
c	7.5
d	7.8
e	8.4
f	8.5
g	8.7
h	8.9
k	9.0
l	9.0
m	9.2
n	9.5
o	9.7
p	9.8
q	10.0
r	10.3
s	n 3 N
t	x 3 t
w	t 1 w
var.	F

↓ B22705

a	7.4
b	7.5
c	7.7
d	8.0
e	8.7
f	8.7

$18^{\text{h}} 53.4^{\text{m}} - 12^{\text{s}} 57^{\text{m}}$ (cont)

Nov 5, 1903

131

B 22705 (cont)

g	8.8
h	9.2
k	9.4
l	9.7
m	9.7
n	9.9
o	10.0
p	10.2
q	10.5
r	10.2
s	10.2
t	10.3
u	10.4
v	10.4
w	10.4
x	10.4
y	10.4
z	10.4

B 23502

a	7.2
b	7.3
c	7.5
d	7.9
e	8.6
f	8.7
g	8.8
h	9.0
k	9.4
l	9.5
m	9.6
n	9.8
o	10.0

h
1.8 53.4 - 12 57
Nov 5, 1903

B23502 (cont)

fu 10.1
g 10.3
fu 9.4W
s 12.5
t 13.3t
u 14.0W
var 10.0

↓ * B23759

a 5.2
b 5.2
c 5.5
d 5.7
e 6.3
f 6.5
g 6.5
h 6.7
k 7.0
l 7.0
m 7.3
n 7.4
o 7.7
fu 7.8
g 8.0
u 8.5
s 8.7
t 9.2
u 9.3
var 8.5

Plate of long exposure - Images elongated.

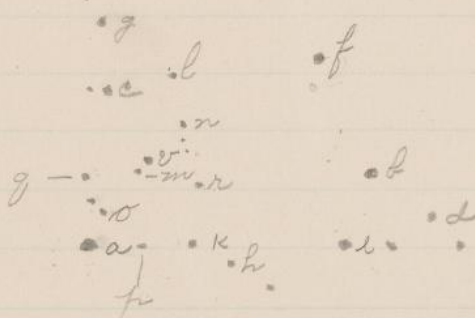
Meas. of seq. for -22 4958
(Comp stars on B13539)

Nov 6, 1903

B13539

	Br.	F.
a	3.2	3.9
b	3.7	4.4
c	—	4.9
d	—	5.5
e	—	5.9
f	—	6.3
g	—	6.7
h	—	7.0
k	—	7.2
l	—	8.0
m	—	8.2
n	—	8.5
o	—	8.7
p	—	9.1
q	—	9.4
w	—	9.6
var.	—	5.8

Pis. comp.
new "o"
Selected



B19511

a	4.9
b	6.0
c	5.7
d	6.8
e	7.1
f	7.3
g	6.9
h	7.5
k	7.7

Images
from
Refr.
?

Measures of B19511 rejected.
as comp stars came too near
edge of plate, were spread and
not like the other images.
Plate B22745 selected in place
of it.

— 22° 49' 58" (cont.)

Nov 6, 1903

B19511 (cont.)

Images from Rej. - meas. H	l	8.3
	m	8.5
	n	8.6
	o	8.7
	p	9.2
	q	9.5
	r	9.7
	var	6.8

B20604

a	5.0
b	5.7
c	6.0
d	6.5
e	6.7
f	7.0
g	7.4
h	7.7
k	7.8
l	8.4
m	8.6
n	8.8
o	8.9
p	9.3
q	9.5
r	9.7
var.	4.0

- 22° 4958 (cont)

Nov 6, 1903

✓ B 27484
~~25428~~

a 5.0
 b 5.8
 c 6.2
 d 7.0
 e 7.3
 f 7.8
 g 8.1
 h 8.3
 k 8.3
 l 8.8
 m 8.9
 n 9.1
 o 9.3
 p 9.6
 q 9.8
 r 9.9
 var. 7.2

✓ B 2745

a 5.4
 b 6.0
 c 6.4
 d 7.3
 e 7.6
 f 8.1
 g 8.4
 h 8.6
 k 8.7

136

- 22 4958 (cont)

Nov 9, 1903

B 22745 (cont)

l	9.1
m	9.3
in	9.5
s	9.7
fu	9.9
g	10.1
W	10.2
var	7.7

Scale meas. of var -5° 4858

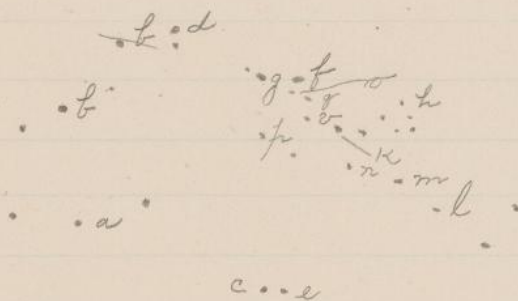
137

(Compr stars on B 29584)

Nov. 10, 1903

B 29584

a 6.5
b 6.7
c 6.9
d 7.5
e 7.6
f 8.0
g 8.4
h 8.7
k 9.1
l 9.1
m 9.6
n 9.8
o 10.0
p 10.4
q 10.5
var. 9.7



B 23848

a 6.8
b 7.0
c 7.2
d 7.7
e 7.9
f 8.4
g 8.6
h 8.9
k 9.3
l 9.4

138

- 5° 48.58 (cont)

Nov 10, 1903

B 23848 (cont)

m 9.7
 n 9.8
 o 10.0
 p 10.3⁴
 q 10.7
 var. 8.3

B 22860

a 6.3
 b 6.4
 c 6.7
 d 7.2
 e 7.5
 f 7.9
 g 8.2
 h 8.5
 k 8.9
 l 8.8
 m 9.4
 n 9.8
 o 10.0
 p 10.5
 q 10.7
 var. 8.5
 var.

— 5° 4858 (cont.)
Nov 11, 1903

B19846

a	6.3
b	6.3
c	6.6
d	7.0
e	7.2
f	7.7
g	8.2
h	8.5
k	8.8
l	8.8
m	9.2
n	9.7
o	10.0
p	10.3
q	10.5
var.	8.0

The above star was announced as
variable by Knott - in 1871

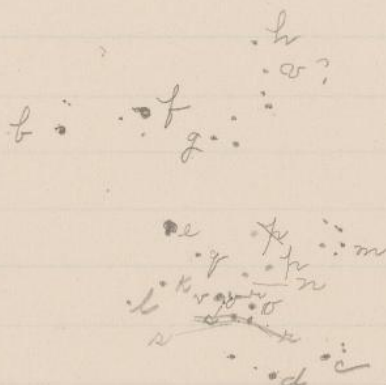
140

Meas. of seq. for var 18 58.6-49.6
(Comp stars on B 23852)

Nov 11, 1903

✓ B 23852

a	6.4
b	7.0
c	7.4
d	7.6
e	7.7
f	8.2
g	8.5
h	8.8
k	8.9
l	9.2
m	9.5
n	9.8
v	10.1
pr	0.5 pr
q	pr 3.9
w	9.2.5
s	r 1.8
var.	9.4
var?	8.7



Wrong stars charted above (for $r + s$)
and measured. $r + s$ are the two
stars near the var. to the right.
Estimates made from $p - s$ using
right $r + s$ on p 142.

↓ B 25399

a	5.9
b	6.7
c	7.0
d	7.0
e	7.2
f	7.7

^h
 18 58.6 - 49 6 (cont)

141

Nov 11, 1903

B 25399 (cont)

g	8.0
h	8.3
k	8.5
l	9.0
m	9.3
n	9.5
o	9.7
p	10.1
q	10.4
r	9.3 to
s	not
v.	7.5?
v?	8.3

v B 19583

a	5.7
b	6.4
c	6.8
d	6.8
e	7.0
f	7.7
g	7.9
h	8.2
k	8.3
l	8.8
m	9.2
n	9.6
o	9.8
p	10.0
q	10.3
r	10.5
s	10.2 to
v.	7.9
v?	8.2

142

18 58.6 - 49 6 (cont)

Nov. 11, 1903

✓ B 23065

a 6.2

b 7.0

c 7.5

d 7.7

e 7.8

f 8.2

g 8.6

h 8.8

k 9.0

l 9.5

m 9.9

n 10.1

o 10.3

p 0.5 p

q p 2.9

r n.s

s n.s

t 8.3

u? 8.7

Oct 13, 1905

✓ B 23852

p 3.9

q 3.4

r 1.2

of different shape
from other stars. abn

✓ B 23065

p 3.9

q 2.4

r n.s

✓ B 19583

p 3.9

q 3.4

r 2.2

✓ B 25399

p 4.9

q 2.4

r 1.2

Sc. meas. of Seq. for Nova Sagittarii,
(Comparison on B 23759)
and A. 2845

Nov. 19, 1903

✓
A.C. Plates
Columella
d = a'
b = B'
a = c'
c = a

B 23759
B. F

• b = e

• x = c

• x = f

✓ e = b 2.8 = 3.5

f = c 3.0 = 3.7

g = d 3.2 = 3.9

h = e - 4.8

k = f - 5.1

l = g - 5.5

m = h - 5.8

n = k - 6.1

o = l - 6.4

p = m - 6.9

q = n - 7.2

r = o - 7.6

s = p - 8.1

t = q - 8.5

u = r - 8.8

v = s - 9.2

x = t - 9.5

y = u - 9.6

z = v - 9.8

β = w - 10.0

γ = y - 10.1

• x = m

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

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• x = t

• x = u

• x = v

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• x = x

• x = y

• x = z

• x = h

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• x = m

• x = n

• x = o

• x = p

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• x = o

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• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

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• x = m

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• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

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• x = m

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• x = p

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• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

• x = y

• x = z

• x = h

• x = k

• x = l

• x = m

• x = n

• x = o

• x = p

• x = q

• x = r

• x = s

• x = t

• x = u

• x = v

• x = w

• x = x

Sc Means of Seq for Nova Sagitt. (cont)
 Nov. 19, 1903

B₂₃₇₅₉
 B₇

✓	d	a	
	b	B	
	a	c	
	c	a	
✓	e = b	2.8 = 3.5	
	f = c	3.1 = 3.8	
	g = d	3.3 = 4.0	
	h = e	— 4.7	
	k = f	— 5.1	
	l = g	— 5.5	
	m = h	— 5.9	
	n = k	— 6.2	
	o = l	— 6.5	
	p = m	— 6.9	
	q = n	— 7.2	
	r = o	— 7.5	
	s = p	— 7.9	
	t = q	— 8.4	
	u = r	— 8.7	
	w = s	— 9.1	
	x = t	— 9.5	
	y = u	— 9.5	
	z = w	— 9.9	
	B = x	— 10.1	
	f = y	— 10.2	

Spec. meas. of Seq for Nova Sagittarii
on A 2845 (Schles used "D" + "E")

Nov 20, 1903

✓ A 2845

Estimate
intervals
on the Plate

	$\frac{D}{E}$	$\frac{E}{F}$
$d = a$		
$b = B$		
$c = C$		
$d = a$		
$e = b$	2.0 =	1.7
$f = c$	2.7 =	2.4
$g = d$	2.9 =	2.6
$h = e$	3.7 =	3.4
$k = f$	4.2 =	3.9
$l = g$	4.6 =	4.3
$m = h$	5.0 =	4.7
$n = k$	5.2 =	4.9
$o = l$	5.6 =	5.3
$p = m$	—	5.9
$q = n$	—	6.1
$r = o$	—	6.3
$s = p$	—	6.7
$t = q$	—	7.6
$u = r$	—	7.9
$v = s$	—	8.2
$x = t$	—	8.5
$y = u$	—	8.6
$z = v$	—	8.8
$\beta = x$	—	9.0
$\gamma = y$	—	9.2

Assumed to be seq. image of seq.

146

Sc. meas of Nova on A 2845
Nov 20, 1903

A 2845
D E

✓
Estimate
intervals of
on a c plate
d = A'
B'
a = C'
L = a

e	b	2.1	1.8
f	c	2.6	2.3
g	d	2.9	2.6
h	e	3.7	3.4
k	f	4.0	3.7
l	g	4.6	4.3
m	h	5.0	4.7
n	k	5.3	5.0
o	l	5.5	5.2
p	m	—	5.7
q	n	—	5.9
r	o	—	6.4
s	p	—	7.0
t	q	—	7.7
u	r	—	8.4
w	s	—	8.8
x	t	—	9.4
y	u	—	9.5
z	w	—	9.8
B	x	—	10.0
f	y	—	10.2

Estimated intervals between a, b, c, & d
in seq. for Nova Sagittarii on AC Plates. (on a 3825)
Nov 21, 1903

✓ AC 3825

a 3 b

b 4 c

c 6 d

d 3 e 62

✓ AC 142

a 4 b

b 5 c

c 4 d

d 4 e

✓ AC 2778

a 4 b

b 4 c

c 5 d

d 3 e

✓ AC 3702

a 3 b

b 3 c

c 7 d

d 3 e

Dec 30, 1903.

Estimated intervals between stars that have been
added to sequence for S. H. Cignoni.

L 15892

d, d'

d' o e

e b e'

e' o f

L 14711

d, d'

d' i e

e s e'

e' i f

L 15539

d o d'

d' o e

e 7 e'

e' o f

L 22792⁷⁰

d o d'

d' o e

e s e'

e' i f

Scale measures of seq for var ?

✓ I 15872

a 5.9
 b 6.2
 c 6.4
 d 7.0
 d' 7.2
 e 7.5
 e' 7.9 8.0
 f 8.5 8.3
 g 8.8 8.5
 h 9.2 8.8
 i 9.4 9.2
 m 9.7 9.4
 n 10.0 9.7
 o 10.1 9.8

Images
from

14711
✓ I 15539

a 6.2
 b 6.5
 c 6.9
 d 7.3
 d' 7.5
 e 7.7
 e' 8.2
 f 8.5
 g 8.9
 h 9.2
 i 9.5
 l 9.7
 m 9.9
 n 10.3 n
 o n 20

Images
calculated

✓ I 15539

a 6.7

b 7.0

c 7.3

d 7.8

d' 7.9

e 8.2

e' 8.7

f 8.9

g 9.3

h 9.5

k 9.8

l 9.9

m 10.1

n m 3 n

o n 20.

✓ I 22770

a 5.4

b 5.8

c 6.0

d 6.7

d' 6.9

e 7.2

e' 7.8

f 7.9

g 8.3

h 8.5

k 8.9

l 8.9

m 9.2

n 9.5

v 9.7

4.

152

Measure of Gill's var. 22^{hi}
(Comp stars on B19877)

March 29, 1904

B19877

10.36 $\text{h } 22$ 10.56 1048-10.52 0404

10.48 $\text{v } 1 \text{ k}$ 10.58

..a

a 7.4

b 7.9

c 8.4

d 8.7

e 8.8

f 9.1

g 9.5

h 9.8

k 9.9

l 9.9

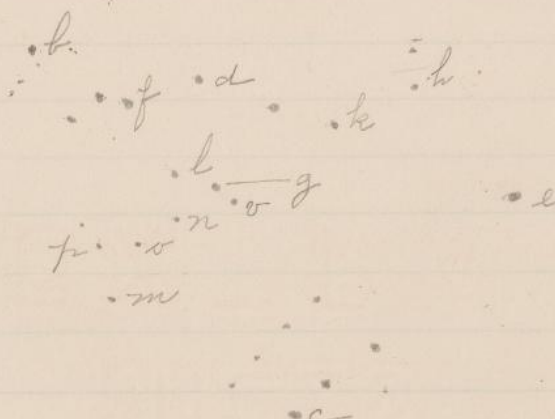
m ~~6.4~~ 10.1

n m3n

o m3o

p 0.1 p

r 9.4



B28013

11.50 $\text{w } 1 \text{ o}$ 11.60 11.58-11.59 01 01

11.58 $\text{w } 2 \text{ o}$ 11.78

B30125

Does not cover region.

B28517

9.49 $\text{e } 6 \text{ v}$ 10.09

+ n.3

On edge of
film.

Gill's van (cont)

March 29, 1904

↓ B25758

11.90 $f + N$ 12.0

↓ B6356

9.09 $c3v$ 9.39 9.31 = 9.35 04 049.31 $v1d$ 9.41

↓ B10467

11.50 $w1N$ 11.6

↓ B10324

11.90 $f1N$ 12.0

↓ B22944

11.90 $f3N$ 12.2

↓ B12444

9.49 $c3v$ 9.79 9.69 = 9.74 05 059.69 $v2f$ 9.89

↓ B13276

11.90 $f3N$ 12.20

↓ B28023

11.78 $f01v$ 11.88 γ 11.80 - 11.84 $\gamma\gamma$ 09 0911.80 $v2f$ 11.90 04 04

On edge ↓ B28322

10.01 $v1f$ 10.1110
X.01

Gill's var (cont)

March 29, 1904

B12444

a	7.3
b	7.9
c	8.3
d	8.7
e	8.7
f	9.2
g	9.5
h	9.9
k	10.0
l	10.3
m	l 5 m
n	m 2 n
p	n 3 p
pu	o 1 pu
v.	8.8

B28264

Too near edge

B27856

Too near edge.

B26165

Too near edge.

B21971

Too near edge

Gill's var (cont.)
March 29, 1904

B 22944

a 7.2
b 7.7
c 8.2
d 8.5
e 8.6
f 8.9
g 9.1
h 9.5
k 9.7
l 9.9
m 15 m
n m 3 n
o m 20
p 0 2 p
r. n.5

B 27571

11.90 p 2 N 12.1

B 27924

Doesn't cover region

Near edge - B 12305

10.11 9.2 v 10.31 10.26 = 10.28 03 0.2
10.26 w 1 h 10.36

B 23929

9.91 v 2 g 10.11 9.91

156

Gill's var. (cont)
March 29, 1904

↓ B19881

10.36 *h1v* 10.46 10.58 - 10.52 06 0610.58 *vok* 10.58

↓ B25764

Too faint

↓ B17878

10.11 *g2v* 10.31 10.26 - 10.28 03 0210.26 *v1h* 10.36

↓ B14266

9.89 *f1v* 9.99 9.91 - 9.95 04 049.91 *v2g* 10.11

B25766

Too near edge

B30518

Too near edge

↓ B27600

10.83 *h2H* 11.0

↓ B30120

8.59 *v5* ^{Pl.} 9.09 8.59

↓ B13125

*Too faint in
reg. of var.*

Gill's var (cont)
March 29, 1904

↓ B16735
Too poor.

↓ B20814
Too poor

↓ B27953
11.50 n1v 11.60 11.68 = 11.64 0.4 0.4
11.68 v1v 11.78

↓ B22271
Too near
edge - 10.73 v1v 10.83 10.73

↓ B23230
Too near edge

↓ B6353
9.09 c1v 9.19 9.21 = 9.20 0.1 0.1
9.21 v2d 9.41

↓ B11257
11.50 n1v 11.60
v ns?

↓ B10325
10.83 b1 N? 10.9 ?

↓ B27664
11.78 o1 N 11.8

Gill's var. (cont)
March 29, 1904

B 30884
1083 ℓ 1 N? 10.9 121

B 28013
a 7.5
b 8.0
c 8.4
d 8.7
e 8.8
f 9.3
g 9.5
h 9.7
k 9.9
l 10.2
m ℓ 5 m
n m 25 w
r n 30
p 01 p
r.

11.50 n 2 v 11.70 11.68 - 11.69 01 01
11.68 v 10 11.78

B 26516
11.78 0 2 v 11.98 11.80 - 11.89 09 09
11.80 v 1 p 11.90

B 16815
11.78 01 N 11.8

Gill's var. (cont.)
March 30, 1904

↓ B3872

10.36 *hiv* 10.46 10.48 = 10.47 01 01

10.48 *v1k* 10.58

↓ B4100

11.90 *hiv* 12.00

↓ B3839

10.36 *hiv* 10.46 10.38 = 10.42 04 04

10.38 *v2k* 10.58

↓ B4364

10.83 *l1k* 10.9

↓ B4017

11.78 *v2v* 11.98 11.80 = 11.89 09 09

11.80 *v1f* 11.90

↓ B25706

10.83 *l3v* 11.13 11.05 = 11.09 04 04

11.05 *v2m* 11.25

↓ B4018

11.50 *v2v* 11.70 11.68 = 11.69 01 01

11.68 *v1v* 11.78

↓ B12302

10.58 *k1v* 10.68 10.63 = 10.66 02 03

10.63 *v2l* 10.83

160

Gill's var. (cont)
March 30, 1904

↓ B24486

11.50 *ndv* 11.60 11.58 = 11.59 01 01

11.58 *v20* 11.78

↓ B6352

9.09 *c1v* 9.19 9.11 = 9.15 04 04

9.11 *v3d* 9.41

↓ B11073

Too near edge

↓

B12441

9.49 *e1v* 9.59 9.69 = 9.64 05 05

9.69 *v2f* 9.89

↓ B13274

11.90 *fv3v* 12.20

↓ B23826

10.11 *g1v* 10.21 9.96 = 10.08 13 12

9.96 *v4h* 10.36

↓ B4073

11.78 *o1v* 11.88 11.80 = 11.84 04 04

11.80 *v1fv* 11.90

↓ B23230

Too near edge

Gill's var. (cont.)
 March 30, 1904

↓ B16241
 11.90 $\mu 1 v$ 12.00

↓ B23885
 9.49 $\mu 2 v$ 9.69 9.79 = 9.74 05 05
 9.79 $v 1 f$ 9.89

↓ B21628
 10.58 $\mu 2 v$ 10.78 10.73-10.76 02 03
 10.73 $v 1 l$ 10.83

↓ B²⁵⁵⁵⁰
~~B218121~~
 10.11 $\mu 3 v$ 10.41 10.26 = 10.34 07 08
 10.26 $v 1 w$ 10.36

↓ B26063
 11.90 $\mu 3 N$ 12.2

↓ B23183
 11.90 $\mu 3 v$ 12.20

↓ B30887
 11.90 $\mu 4 v$ 12.30

↓ B20699
 11.78 $\mu 1 v$ 11.88 11.70 = 11.79 09 09
 11.70 $v 2 \mu$ 11.90

↓ B10468
 11.90 $\mu 2 N$ 12.1

Gill's var. (cont)
March 30, 1904

↓ B25762
11.90 μ 4 v 12.30

↓ B22376
9.49 μ 3 v 9.79 9.69 - 9.74 0.5 0.5
9.69 μ 2 f 9.89

~~B22129~~
↓ AM 1289
8.12 a 5 v 8.62 8.44 - 8.53 0.9 0.9
8.44 v 2 f 8.64

↓ AM 1080
9.09 c 2 v 9.29 9.31 - 9.30 0.1 0.1
9.31 v 1 d 9.41

↓ AM 1091
Too poor in reg. of var.

↓ AM 1101
Too poor in reg. of var.

↓ AM 1103
9.41 d 1 k? 9.5

↓ AM 1300
8.12 a 7 v 8.82 8.34 - 8.58 2.4 2.4
8.34 v 3 f 8.64

Gill's var. (cont.)
March 30, 1904

↓ AM 1280

8.12 a 7 v 8.82 8.34 - 8.58 24 24

8.34 v 3 b 8.64

↓ AM 1253

8.12 a 7 v 8.82 8.44 - 8.63 19 19

8.44 v 2 b 8.64

↓ AM 1064

9.41 d 1 v 9.51 9.29 - 9.40 11 11

9.29 v 2 e 9.49

↓ AM 1038

9.49 e 3 v 9.79 9.79 - 00 00

9.79 v 1 f 9.89

↓ AM 1030

9.49 e 2 v 9.69 9.69 - 9.69 00 00

9.69 v 2 f 9.89

↓ AM 947

11.25 dm F 1 11.35 11.25

↓ AM 939

11.25 m F 1 11.35 11.25

↓ AM 932

10.11 g 1 K? 10.2

Gill's var. (cont.)
March 30, 1904

↓ AM 899
10.11 g 2 N? 11.3?

↓ AM 820
11.25 m 1 N 11.3

↓ AM 803
9.41 d 1 N 9.5

↓ AM 702
10.58 k 1 N? 10.6

↓ AM 652
Too poor

↓ AM 647
Too poor.

↓ AM 632
10.58 k 1 N 10.6

↓ AM 581 Iso.
9.89 f 1 N 9.9

↓ AM 558 Iso
Too poor

↓ AM 536
Too poor

Gill's var. (cont.)
March 30, 1904

↓ AM 489
989 f 1 N? 9.9

↓ AM 477
949 e 2 N 9.6

↓ AM 130
949 e 3 v 979 969 = 9.74 05 05
969 v 2 f 989

↓ AM 98
Images elongated
cannot separate
var fr. g.

↓ AM 17
Too poor in reg. of var

↓ AM 11
Too poor

↓ AM 2138
1083 l 2 N 11.0

↓ AM 2123
1083 l 3 v 11.13 11.15 - 11.14 01 01
11.15 v 1 m 11.25

↓ AM 2102
1058 k 1 N 10.6

Gill's var. (cont)
March 31, 1904

↓ am 1938

9.49 ⁶ v 9.59 969 = 964 0505

9.79 ⁶ v 2 f 9.89

↓ am 1313

8.12 a 8 v 8.92 834 = 863 ~~31~~ 29 29

8.34 v 3 b 8.64

↓ am 1356

8.12 a 8 v 8.92 844 = 8.68 24 24

8.44 v 2 b 8.64

↓ am 1399

8.64 ⁸ b 1 v 9.74 889 = 8.81 07 08

8.89 v 2 c 9.09

↓ am 1499⁴

9.89 f 1 A 9.9

↓ am 1603

Too poor in reg. of var

↓ am 1744

9.89 f 1 A? 9.9

↓ am 1656

Too poor in reg. of var.

Bill's var. (cont.)

March 31, 1904

↓ AM 1929
989 f1N? 9.9

↓ AM 2001
989 f1N 9.9

↓ AM 2018
10.11 g1N? 10.2

↓ AM 1005
989 f2N 10.0

↓ AM 964
989 f1N 9.9

↓ AM 2047
10.83 l1N 10.9

↓ AM 2276
8.12 a7v 882 8.54 = 8.68 = 14 14
8.54 v1f 8.64

↓ AM 2246
9.09 C1v 9.19 9.21 = 9.20 0.1 0.1
9.21 v2d 9.41

↓ AM ⁵⁵2165
989 f1N 9.9

Gill's var. (cont.)
March 31, 1904

↓ AM 65
Too poor.

↓ AM 82
989 f. N 9.9

↓ AM 236
Too poor.

↓ AM 241
949 e. N 9.5

↓ AM 520
989 f. N 9.9

↓ AM 543 Iso
10.11 g. N? 10.2

↓ AM 568 Iso
989 f. N 9.9

↓ AM 606
10.58 k. N 10.6

↓ AM 836
10.83 l. N 11.0

↓ AM 873
989 f. N 9.9

Gill's var. (cont)

March 31, 1904

↓ am 889

10.83 b. N 10.9

↓ am 951

Too poor in reg. of var.

↓ am 2171

10.11 9.2 v 10.31 10.26 = 10.28 03 02
10.26 v 1 h 10.36

↓ am 2207

9.89 f. N 9.9

↓ am 2237

9.09 c 1 v 9.19 9.21 = 9.20 01 01
9.21 v 2 d 9.41

↓ am 2303

8.12 a ~~2~~ v ²² 8.42 8.24 ²³ 8.33 ⁰¹ 01
8.24 v 4 b 8.64

↓ am 2336

8.12 a 4 v 8.52 8.14 = 8.33 19 19
8.14 v 5 b 8.64

↓ am 2086

Too poor in reg. of var.

↓ am 1928

Too poor in reg. of var.

Gill's var. (cont)

March 31, 1904

↓ AM 1726
Too poor.

AM 236
Too near edge

↓ AM 2405
Too ~~near~~ ^{poor} edge

↓ AM 2359
8.12 a 4 v 8.52 8.44 = 8.48 04 04
8.44 v 2 b 8.64

↓ AM 2204
9.49 e 3 v 9.79 9.69 = 9.74 05 05
9.69 v 2 f 9.89

↓ AM 2328
8.12 a 3 v 8.42 8.14 = 8.28 14 14
8.14 v 5 b 8.64

↓ AM 2312
8.12 a 3 v 8.42 8.14 = 8.28 14. 14
8.14 v 5 b 8.64

Near edge

↓ AM 2172
Too poor in reg. of var

↓ AM 2048
Too poor in reg.

Gill's var. (cont.)
March 31, 1904

171

On edge ✓
A M 2019
Too poor

On edge ✓
A M 2002
Too poor

↓
A M 249
Does not cover reg.

↓
A M 84
Too near edge

near
On edge ↓
A M 1595
Too poor in reg of var

Near edge ↓
A M 1500
Too poor

Near edge ↓
A M 1392
8.12 a 5 v 8.62 8.44 = 8.53 09 09
8.44 v 2 b 8.64

↓
A M 1376
8.12 a 7 v 8.82 8.54 = 8.68 14 14
8.54 v 1 b 8.64

↓
A M 1339
8.12 a 7 v 8.82 8.54 = 8.68 14 14
8.54 v 1 b 8.64

172

Gill's var. (cont.)
March 31, 1904↓ am 1686
10.83 l. N 10.9↓ am 1677
10.83 l. N 10.9↓ am 1567
10.11 g. N 10.2↓ am 998
Too poorNear edge ↓ am 985
Too poor in reg. of var↓ am 967
Too poor.↓ am 1544
Too poor↓ am 1464
9.49 e 2 v 9.69
f n.sam
9.09 c 2 v 9.29 9.31 = 9.30 01 01
9.31 v id 9.41

Gill's var. (cont.)
Apr. 1, 1904

↓ AM 1417
9.49 ℓ 3 v 9.79
f n.s?

↓ AM 1633
Tor near edge

↓ AM 2220
Tor near edge

↓ AM 2358
8.12 a 5 v 8.62 8.34 = 8.48 14 14
8.34 v 3 b 8.64

↓ AM 1298
8.12 a 5 v 8.62 8.34 = 8.48 14 14
8.34 v 3 b 8.64

Near edge ↓ AM ¹¹¹⁸ 1256
Tor far in reg. 7 var

↓ AM 1075
9.49 ℓ 2 v 9.69 9.59 = 9.64 05 05
89.59 v 3 f 9.89

Near edge ↓ AM 1006
9.89 f 1 N 9.9

↓ AM 2382
8.64 b 3 v 8.94 8.99 = 8.96 02 03
89.9 v 1 c 9.09

Gill's var. (cont.)
 April, 1904

↓ AM 2291

812 a 5 v 862 8.34 = 8.48 14 14

8.34 v 36 864

↓ AM 166

~~A 3293~~

9.49 v 4 v 9.89 9.69 = 9.79 = 10 10

9.69 v 2 f 9.89

↓ B 4201

~~AM 421~~

Too poor.

near edge ↓ B 12081

Too poor

↓ B 12080

Does not cover reg.

↓ B 10081

10.11 f 1 N 10.2

↓ B 11997

Too near edge

↓ B 8318

Too poor

↓ near edge B 14642

Too poor

Gill's var (cont.)
Apr. 1, 1904

↓ B11549
Too poor

Near edge B11814
Too poor

↓ B38000
Too poor

↓ B7994
Too poor.

↓ B5435
Too poor.

↓ B19899
10.58 k1N? 10.6

↓ B19898
On edge of Pl.

↓ aM 694
Too poor

↓ aM 828
10.58 k1N? 10.6

↓ aM 874
Too poor

↓ aM 891
Too poor

(over)

Estimated intervals between
faint stars added to seq. for Gill's ~~can~~

a 2923

pr 59

g 1 w

pr 3 N

s 2 t

t 4 u

u 1 w

a 2874

pr 49

g 2 w

pr 2 S

s 3 t

t 3 u

w n s

a 3293

pr 69

g 3 w

pr 2 S

s 3 t

t 3 u

u 2 w

① a 3293

13.58 ~~u 7 w~~ w 3 v 13.88
~~u 7 w~~

① a 2923

13.43 u 2 w 13.63 13.48 = 13.56 ~~13.07~~ 08

13.48 u 1 w 13.58

Gills Var. (Cont)

↓ A 2874

11.90 μ 3 \sim 12.20 12.20 = 12.20 00 00.12.20 \sim 2 μ 12.40

↓ A 4025

10.11 μ 1 \sim 10.21 10.06 = 10.14 07 ~~08~~10.06 \sim 3 μ 10.36↓
Near edge B 9681

Too poor

↓ B 11665

On edge of film

↓ B 11775

Too poor in reg. of var.

↓ B 5748

Too poor.

↓ B 5578.

Too poor.

↓ B 5601

Too poor

Gills var. (cont.)
Apr. 6, 1904

↓ B5602
Too poor in reg. of var

↓ B5723
Too poor

↓ B11514
Too poor.

↓ B7995
Too poor

Near Edge ↓ B²¹⁵⁴¹
~~B15876~~
Too poor in reg. of var.

Near edge ↓ B23092
Too poor in reg. of var

↓ B27572
On edge of film

Near edge ↓ B30344
"d" off plate.

9.19 15 3 2 9.49 9.19

↓ B11222
Too near edge

↓ B6355
864 655 9.14 899 - 908 07 ⁷ 08
899 21 2 9.09

Gill's var (cont.)
Apr 6, 1904

↓ B11858

11.90 fr 1 N 12.0

↓ AM 1538

Too poor

↓ AM 1612

Near edge ^{9.49} e 1 N 9.5

↓ AM 1576

Too poor in reg. of var

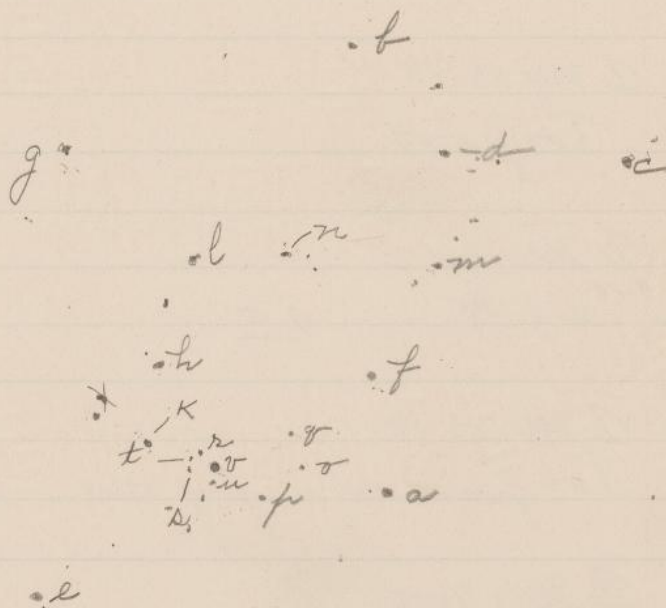
↓ AM 700

Too near edge

Measures of new Algol (N.P.F.)
 $+7^{\circ} 34' 04''$ $17^{\circ} 27' 6''$ $+7^{\circ} 21' 9.2''$ (1855) (Comp stars in B25341)
 Apr. 28, 1904

B25341

a 5.7
 b 6.2
 c 6.8
 d 7.0
 e 7.2
 f 7.5
 g 8.0
 h 8.3
 k 8.3
 l 8.5
 m 8.6
 n 8.9
 o 9.2
 p 9.6
 q 9.9
 r 10.1
 s 10.3
 t 10.3
 u 10.2
 var. 7.3



13497
~~B 30598~~

a 5.3
 b 5.8
 c 6.4
 d 6.7
 e 6.9
 f 7.3

+ 7° 3404 (cont)

181

Apr 28, 1904

13497

~~B 30598 (cont)~~

g 7.9
h 8.1
k 8.2
l 8.5
m 8.5
n 8.9
o 9.1
p 9.4
q 9.8
r 10.0
s 10.3
t s 3t
u t 1 u
var. 6.9

~~I 28677~~

a 5.6
b 6.1
c 6.9
d 7.1
e 7.2
f 7.5
g 8.1
h 8.3
k 8.4
l 8.7
m 8.7
n 9.0

Apr 28, 1904

I 28677 (cont)

σ	9.3
μ	9.6
g	9.7
w	10.0
s	10.4
t	s 3 t
w	t 2 w
var	7.0

Image
Scratched.

I 11143

a	6.0
b	6.5
c	7.3
d	7.5
e	7.7
f	8.0
g	8.6
h	8.8
k	8.9
l	9.2
m	9.2
n	9.5
r	9.7
fu	9.9
q	10.2
u	10.4
s	10.3
	<u>10.5</u>
t	10.3
v	10.5
rate	7.8

2

John

+ 7° 3404 (cont)

Apr 28, 1904

B29822^v

10.64 10.73 ~~m 2 v~~ 10.84 - 10.86 = 10.85 ^v 01 ^v 01
 10.86 10.95 ~~v 1 m~~ 10.93 - 10.95 = 10.94 ^v 01 ^v 01
 11.05 10.96

I 1720^v

10.96 11.05 ~~m 3 v~~ 11.26 11.01 = 11.14 ^v 12 ^v 13
 11.01 11.10 ~~v 2 v~~ 11.35 11.10 = 11.22 ^v 13 ^v 12
 11.30 11.21

B29705^v

10.64 10.73 ~~m 2 v~~ 10.84 10.76 = 10.80 ^v 04 ^v 04
 10.76 10.85 ~~v 2 v~~ 10.93 - 10.85 = 10.89 ^v 04 ^v 04
 11.05 10.96

Near edge B27590^v

10.96 11.05 ~~n n.s.~~ 11.20 11.11
 11.11 11.20 ~~v 1 v~~ 11.30 11.21

AC 2553^v

10.96 11.05 ~~n 2 v~~ 11.16 11.11 = 11.14 ^v 02 ^v 03
 11.11 11.20 ~~v 1 v~~ 11.25 11.20 = 11.22 ^v 03 ^v 02
 11.30 11.21

For different AC 1511^v
shape

10.04 10.13 ~~g 2 v~~ 10.24 10.16 = 10.20 ^v 04 ^v 04
 10.16 10.25 ~~v 1 h~~ 10.33 10.25 = 10.29 ^v 04 ^v 04
 10.35 10.26

Am 1270^v

10.96 11.05 ~~n 1 v~~ 11.06 11.01 = 11.04 ^v 02 ^v 03
 11.01 11.10 ~~v 2 v~~ 11.15 11.10 = 11.12 ^v 03 ^v 02
 11.30 11.21

+ 7° 3404 (cont)

Apr 28, 1904

am 1251

10.62 10.71 ℓ 1 v $\begin{matrix} 10.72 & 10.54 = 10.63 & 09 & 09 \\ 10.81 & 10.63 = 10.72 & 09 & 09 \end{matrix}$
 10.54 10.63 v 1 m 10.73 10.64

am 1193

10.04 10.13 g 1 A $\begin{matrix} 10.2 \\ 10.1 \end{matrix}$

ac 1469

9.14 9.23 ℓ 3 v $\begin{matrix} 9.44 & 9.36 = 9.40 & 04 & 04 \\ 9.53 & 9.45 = 9.49 & 04 & 04 \end{matrix}$
 9.36 9.45 v 1 f 9.55 9.46

am 1192

Film up left $\begin{matrix} 9.46 \\ 9.55 \end{matrix}$ f 3 v $\begin{matrix} 9.76 & 9.94 = 9.85 & 09 & 09 \\ 9.85 & 10.03 = 10.94 & 09 & 09 \end{matrix}$
 end of l. 9.94 10.03 v 1 g 10.13 10.04

Film up right $\begin{matrix} 10.04 \\ 10.13 \end{matrix}$ g 1 v 10.23 10.14
 end of l. h n.s

am 598

10.64 10.73 m 1 v 10.83 10.74
 n n.s

ac 2728

10.26 10.35 h 3 v $\begin{matrix} 10.56 & 10.24 = 10.40 & 16 & 16 \\ 10.65 & 10.33 = 10.49 & 16 & 16 \end{matrix}$
 10.24 10.33 v 1 k 10.43 10.34

ac 4826

9.14 9.23 ℓ 2 v $\begin{matrix} 9.34 & 9.16 = 9.25 & 09 & 09 \\ 9.43 & 9.25 = 9.34 & 09 & 09 \end{matrix}$
 9.16 9.25 v 3 f 9.55 9.46

+ 7° 3404 (cont)

10 55

Apr 29, 1904

I 28677[✓]

9.14 e 1 v 9.24 9.16 - 9.20 0.4 0.4

9.16 v 3 f 9.46

B 13497[✓]

9.14 e 1 v 9.24 9.16 - 9.20 0.4 0.4

9.16 v 3 f 9.46

Near edge B 26230[✓]

e off plate

8.96

8.96 v 5 f 9.46

Near edge B 26340[✓]

9.14 e 2 v 9.34 8.96 = 9.15 1.9 1.9

8.96 v 5 f 9.46

On edge B 26381[✓]

9.14 e off pl.

8.86

8.86 v 6 f 9.46

B 27407[✓]

9.14 e 2 v 9.34 9.06 = 9.20 1.4 1.4

9.06 v 4 f 9.46

Near edge
images from B 27613[✓]

9.14 e 1 v 9.24 8.96 = 9.10 1.4 1.4

8.96 v 5 f 9.46

186

+7° 3404 (cont)

Apr 29, 1904

Near edge
Images poorB23099[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

Near edge -

B23202[✓]

9.14 e 0 5 fl. 9.14 8.96 = 9.05 09 09
 8.96 v 5 f 9.46

B23324[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

Near edge

B23411[✓]

8.96 d 2 v 9.16 9.04 = 9.10 06 06
 9.04 v 1 e 9.14

B7456[✓]

9.14 e 1 v 9.24 8.96 = 9.10 14 14
 8.96 v 5 f 9.46

B8467[✓]

near edge

9.14 e 3 v 9.44 8.96 = 9.20 24 24
 8.96 v 5 f 9.46

B8466[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

+7°34'04 (cent)

187

Apr. 29, 1904.

near edge B9393[✓]

$$9.14 \text{ e } 3 \text{ v } 9.44 \text{ } 8.96 = 9.20 \text{ } 24 \text{ } \underline{24}$$

$$8.96 \text{ v } 5 \text{ f } 9.46$$
on extreme edge B11205[✓]

off film

$$9.14 \text{ e } 3 \text{ v } 9.44 \text{ } 9.06 = 9.25 \text{ } 19 \text{ } \underline{19}$$

$$9.06 \text{ v } 4 \text{ f } 9.46$$
near edge B28576[✓]

$$9.14 \text{ e } 3 \text{ v } 9.44 \text{ } 8.96 = 9.20 \text{ } 24 \text{ } \underline{24}$$

$$8.96 \text{ v } 5 \text{ f } 9.46$$
near edge B28360[✓]

$$9.14 \text{ e } 2 \text{ v } 9.34 \text{ } 8.96 = 9.15 \text{ } 19 \text{ } \underline{19}$$

$$8.96 \text{ v } 5 \text{ f } 9.46$$
near edge B28649[✓]

$$9.14 \text{ e off plate } 8.96$$

$$8.96 \text{ v } 5 \text{ f } 9.46$$
on extreme edge B29258[✓]

if film

$$9.14 \text{ e } 5 \text{ v } 9.64 \text{ } 8.96 = 9.30 \text{ } 34 \text{ } \underline{34}$$

$$8.96 \text{ v } 5 \text{ f } 9.46$$
B30584[✓]

$$9.14 \text{ e } 1 \text{ v } 9.24 \text{ } 9.16 = 9.20 \text{ } 04 \text{ } \underline{04}$$

$$9.16 \text{ v } 3 \text{ f } 9.46$$

188

+7° 3404 (cont)

apr. 29, 1904.

near edge B 31730✓

$$9.142 \text{ } 3 \text{ } v \text{ } 9.44 \text{ } 9.36 = 9.40 \text{ } 04 \text{ } 04$$

$$9.36 \text{ } v \text{ } 1 \text{ } f \text{ } 9.46$$

B 25265✓

$$9.142 \text{ } 2 \text{ } v \text{ } 9.34 \text{ } 9.16 = 9.25 \text{ } 09 \text{ } 09$$

$$9.16 \text{ } v \text{ } 3 \text{ } f \text{ } 9.46$$

near edge B 25914✓

$$9.142 \text{ } 1 \text{ } v \text{ } 9.24 \text{ } 8.96 = 9.10 \text{ } 14 \text{ } 14$$

$$8.96 \text{ } v \text{ } 5 \text{ } f \text{ } 9.46$$

B 27112✓

$$9.142 \text{ } 3 \text{ } v \text{ } 9.44 \text{ } 9.36 = 9.40 \text{ } 04 \text{ } 04$$

$$9.36 \text{ } v \text{ } 1 \text{ } f \text{ } 9.46$$

B 28727✓

$$9.142 \text{ } 3 \text{ } v \text{ } 9.44 \text{ } 9.36 = 9.40 \text{ } 04 \text{ } 04$$

$$9.36 \text{ } v \text{ } 1 \text{ } f \text{ } 9.46$$

I 11143✓

$$9.142 \text{ } 2 \text{ } v \text{ } 9.34 \text{ } 9.36 = 9.35 \text{ } 01 \text{ } 01$$

$$9.36 \text{ } v \text{ } 1 \text{ } f \text{ } 9.46$$

I 30598✓

$$9.142 \text{ } 3 \text{ } v \text{ } 9.44 \text{ } 9.26 = 9.35 \text{ } 09 \text{ } 09$$

$$9.26 \text{ } v \text{ } 2 \text{ } f \text{ } 9.46$$

+7° 3404 (cont.)

189

Apr. 29, 1904

B 9392[✓]

9.14 e 2 v 9.34 896 = 9.25 19 19
 896 v 5 f 9.46

B 16540[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

B 13946

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

B 2952.0[✓]

9.14 e 3 v 9.44 9.36 = 9.40 04 04
 9.36 v 1 f 9.46

B 18891[✓]

9.14 e ²3 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

I 8996[✓]

9.14 e 3 v 9.44 9.26 = 9.35 09 09
 9.26 v 2 f 9.46

I 4275[✓]

896 d 2 v 9.16 9.14 896 = 9.09 07 05 13
 v 0 e 9.14
 896 v 5 f 9.46

+7° 3404 (cont.)

Apr. 29, 1904.

I 18476[✓]9.14 e 1 v 9.24 9.16 - 9.20 04 04
9.16 r 3 f 9.46I 15448[✓]9.14 e 3 v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46I 21405[✓]9.14 e 3 v 9.44 9.06 - 9.25 19 19
9.06 v 4 f 9.46I 25305[✓]9.14 e 1 v 9.24 9.16 - 9.20 04 04
9.16 r 3 f 9.46I 27774[✓]9.14 e 1 v 9.24 9.16 - 9.20 04 04
9.16 r 3 f 9.46

Spectrum plate

I 20565[✓]9.14 e 3 v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46Spectrum B 9572[✓]near edge 9.14 e 3 v 9.44 9.36 - 9.40 04 04
9.36 r 1 f 9.46

+7°3404 (cont.)

191

Apr. 29, 1904

Spectrum I 25581 ✓

9.14 e 2 r 9.34 9.36 = 9.35 01 01
 9.36 r 1 f 9.46

Sp. B 19405 ✓

9.14 e 3 r 9.44 9.36 = 9.40 04 04
 near edge 9.36 r 1 f 9.46

Sp. B 11305 ✓

9.14 e 2 r 9.34 9.16 = 9.25 09 09
 9.16 r 3 f 9.46

ac 3899 ✓

9.14 e 3 r 9.44 9.26 = 9.35 09 09
 9.26 r 2 f 9.46

ac 3889 ✓

9.14 e 3 r 9.44 9.26 = 9.35 09 09
 9.26 r 2 f 9.46

ac 3812 ✓

9.14 e 3 r 9.44 9.26 = 9.35 09 09
 9.26 r 2 f 9.46

ac 3787 ✓

9.14 e 2 r 9.34 9.16 = 9.25 09 09
 9.16 r 3 f 9.46

192

+7° 3404 (cont)

Apr. 29, 1904

ac 3725[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

ac 3693[✓]

9.14 e 1 v 9.24 8.96 = 9.10 14 14
 8.96 v 5 f 9.46

ac 3651[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

ac 3599[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

~~Too poor~~ ac 3503[✓]
 too poor

ac 2815[✓]

9.14 e 3 v 9.44 9.06 = 9.25 19 19
 9.06 v 4 f 9.46

ac 2788[✓]

9.14 e 4 v 9.54 9.16 = 9.35 19 19
 9.16 v 3 f 9.46

+703404 (Cont.)

193

Apr. 29, 1904.

ac 2771[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

ac 2625[✓]

9.14 e 4 v 9.54 9.26 = 9.40 14 14
 9.26 v 2 f 9.46

ac ¹⁸⁵⁹2580[✓]

9.14 e 3 v 9.44 9.26 = 9.35 09 09
 9.26 v 2 f 9.46

ac 1821[✓]

9.14 e 1 v 9.24 8.96 = 9.20 14 14
 8.96 v 5 f 9.46

ac 1781[✓]

9.14 e 3 v 9.44 9.36 = 9.40 04 04
 9.36 v 1 f 9.46

ac 1730[✓]

9.14 e 3 v 9.44 9.06 = 9.25 19 19
 9.06 v 4 f 9.46

ac 1675[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

+7° 3404 (cont.)
Apr. 29, 1904

ac 1632^v
too poor

am 818^v
9.14 e 1 v 9.24 9.06 = 9.15 09 09
9.06 v 4 f 9.46

am 646^v
9.14 e 2 v 9.34 8.96 = 9.15 19 19
8.96 v 5 f 9.46

am 403^v
9.14 e 2 v 9.34 8.96 = 9.15 19 19
8.96 v 5 f 9.46

am 153^v
9.14 e 3 v 9.44 8.96 = 9.20 24 24
8.96 v 5 f 9.46

am 28^v
9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

am 10^v
9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

+7° 3404 (cont)
Apr. 29, 1904.

am 825 ✓

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

am 842 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

am 860 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

am 965 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

am 1009 ✓

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

am 1179 ✓

9.14 e 2 v 9.34 8.96 = 9.15 19 19
8.96 v 5 f 9.46

am 1209 ✓

8.96 id 3 v 9.26 9.04 = 9.15 11 11
9.04 v 1 e 9.14

196

+7° 34' 4" (cont)

Apr. 29, 1904

am 1219^v

9.14 e 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

am 1311^v

9.14 e 2 v 9.34 8.96 = 9.15 19 19

8.96 v 5 f 9.46

am 1343^v

8.96 d 2 v 9.16 9.14 9.06 = 9.12 04 02 06

v 0 e 9.14

9.06 v 4 f 9.46

am 1382^v

9.14 e 2 v 9.34 9.16 = 9.25 09 09

9.16 v 3 f 9.46

I 11448^v

9.14 e 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

am 44^v

9.14 e 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

am 101^v

8.96 d 2 v 9.16 9.04 = 9.10 06 06

9.04 v 1 e 9.14

12.20

+7° 3404 (cont.)

Apr. 29, 1904.

am 211[✓]8.96 d 2 v 9.16 9.04-9.10 06 06
9.04 v 1 e 9.14am 432[✓]9.14 e 2 v 9.34 9.06-9.20 14 14
9.06 v 4 f 9.46am 472[✓]9.14 e 2 v 9.34 9.06-9.20 14 14
9.06 v 4 f 9.46am 508[✓]9.14 e 3 v 9.44 9.16-9.30 14 14
9.16 v 3 f 9.46am 537[✓]9.14 e 2 v 9.34 9.06 9.20 14 14
9.06 v 4 f 9.46am 658[✓]9.14 e 5 v 9.64 9.16-9.40 24 24
9.16 v 3 f 9.46ac 410[✓]

10.04 g F 1 ? 10.14 10.04

+7° 3404

Apr. 29, 1904

ab
~~am~~ 788 (ab?)9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

am 2327 ✓

9.14 e 4 v 9.54 9.26 = 9.40 14 14
9.26 v 2 f 9.46

am 2218 ✓

9.14 e 4 v 9.54 9.16 = 9.35 19 19
9.16 v 3 f 9.46

am 2175 ✓

9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

am 2078 ✓

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

am 2061 ✓

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

am 2033 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

+7° 34.04

Apr. 29, 1904.

am 1991 ✓

9.14 e 2 v 9.34 896 = 9.15 19 19

896 r 5 f 9.46

am 1881 ✓

9.14 e 1 v 9.24 916 = 9.20 04 04

9.16 r 3 f 9.46

am 1866 ✓

9.14 e 1 v 9.24 916 = 9.20 04 04

9.16 r 3 f 9.46

am 1895 ✓

9.14 e 1 v 9.24 906 = 9.15 09 09

9.06 r 4 f 9.46

ac 4014 ✓

9.14 e 1 v 9.24 916 = 9.20 04 04

9.16 r 3 f 9.46

ac 1855 ✓

9.14 e 1 v 9.24 896 = 9.10 14 14

896 r 5 f 9.46

I 13033 ✓

9.14 e off plate

896

8.96 r 4 f 9.46

+ 7° 3404
Apr. 29, 1904.

B 25872

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

B 27788

9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

B 27967

near edge 9.14 e 2 v 9.34 9.26 = 9.30 04 04
9.26 v 2 f 9.46

near edge B 23615

9.14 e 2 v 9.34 9.06 = 9.20 14 14
9.06 v 4 f 9.46

B 5960

near edge 8.96 d 1 v 9.06 8.94 = 9.00 06 06
8.94 v 2 e 9.14

B 5961

near edge 8.96 d 2 v 9.16 8.94 = 9.06 10 10
8.94 v 2 e 9.14

near edge B 5974

image of f 9.14 e 2 v 9.34 8.86 = 9.10 24 24
elongated. 8.86 v 6 f 9.46

+7° 3404

201

Apr. 29, 1904

B 6088^v

near edge 9.14 e 2 r 9.34 8.96 = 9.15 19 17
 8.96 r 5 f 9.46

B 6129^v

9.14 e 1 r 9.24 9.16 = 9.20 04 04
 9.16 r 3 f 9.46

B 6748^v

near edge 9.14 e 2 r 9.34 9.06 = 9.20 14 14
 9.06 r 4 f 9.46

near edge B 6753^v

e off plate 8.96
 8.96 r 5 f 9.46

Sp. B 1460^v
 too poor

Sp. B 1535^v
 too poor

I 9155^v

9.14 e 2 r 9.34 9.86 = 9.25 09 09
 9.16 r 3 f 9.46

near edge I 8699^v

9.14 e 3 r 9.44 8.96 = 9.20 24 24
 8.96 r 5 f 9.46

+7° 3404

Apr. 29, 1904.

I 4172'

near edge 9.14 e 1 v 9.24 8.96 = 9.10 14 14
8.96 v 5 f 9.46

I 4063'

9.14 e 3 v 9.44

f in edge of film

I 1699'

9.14 e 1 v 9.24 9.16 = 9.20 04 04

9.16 v 3 f 9.46

I 1596'

9.14 e 3 v 9.44 8.96 = 9.20 24 24

8.96 v 5 f 9.46

near edge

I 18107'

9.14 e 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

I 18049'

9.14 e 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

I 18519'

near edge

e off plate

9.16 v 3 f 9.46

9.16

+ 7° 34' 04"

203

Apr. 29, 1904.

new edge I 17572^v

9.14 e 1 r 9.24 9.16 = 9.20 04 04

9.16 r 3 f 9.46

I 17839^v

too poor

new edge I 14519^v

9.14 e 2 r 9.34 9.16 = 9.25 09 09

9.16 r 3 f 9.46

new edge I 14709^v

9.14 e 3 r 9.44 9.26 = 9.35 09 09

9.26 r 2 f 9.46

I 14979^v

new edge 896 d 1 r 9.06 9.04 = 9.05 01 01

9.04 r 1 e 9.14

new edge I 15180^v

9.14 e 2 r 9.34 9.16 = 9.25 09 09

9.16 r 3 f 9.46

I 15841^v

e off plate

9.26 r 2 f 9.46 9.26

+7° 3404

Apr. 29, 1904

I 16098^v

near edge 9.14 e off plate

9.06 r 4 f 9.46 9.06

near edge I 17076^v

9.14 e 3 r 9.44 9.26 = 9.35 09 09

9.26 r 2 f 9.46

near edge I 17358^v

9.14 e 2 r 9.34 9.36 = 9.35 01 01

9.36 r 1 f 9.46

near edge I 12959^v

9.46 f 1 r 9.56

g not seen

Rej. Pl. too poor.

near edge I 29432^v

9.14 e 2 r 9.34 9.36 = 9.35 01 01

9.36 r 1 f 9.46

near edge I 12779^v

9.14 e 2 r 9.34 9.16 = 9.25 09 09

9.16 r 3 f 9.46

I 12673^v

9.14 e 3 r 9.44 9.16 = 9.30 14 14

9.16 r 3 f 9.46

+70 3404

205

Apr. 29, 1904.

Poor plate I 12613^v

near edge 9.14 e 3 v 9.44 9.36 = 9.40 ± 04 04
 9.36 r 1 f 9.46

Sp. I 11027^v
 too poor

I 11000^v

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 r 3 f 9.46

near edge I 29433^v

9.14 e 4 v 9.54 9.26 = 9.40 14 14
 9.26 r 2 f 9.46

near edge I 29436^v

9.14 e 2 v 9.34 9.16 = 9.20 14 14
 9.16 r 3 f 9.46

near edge I 29437^v

9.14 e 4 v 9.54 9.16 = $\frac{9.35 \ 19 \ 19}{9.40 \ 14 \ 14}$
 9.16 r 3 f 9.46

a C 1665^v

9.14 e 2 v 9.34 9.06 = 9.20 14 14

1.25 9.06 r 4 f 9.46

+ 7° 3404 (cont) Second estimate
of plates on which algal is ft.
Apr 29, 1904

2 38 ac 4826

9.14 l 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

2728

ac 2878

10.26 h 2 v 10.46 10.24 = 10.35 11 11

10.24 v 1 k 10.34

am 598

10.64 m 2 v 10.84

n. n. s

am 1192

left edge of tr. 9.46 f 2 v 9.66 9.94 = 9.80 14 14

9.94 v 1 g 10.04

right end of tr. 10.04 g 1 v 10.14

h n s

ac 1469

9.14 l 4 v ^{9.54}~~8.74~~ 9.36 = 9.45 09 09

9.36 v 1 f 9.46

am 1193

10.04 g 1 v 10.1

am 1251

10.34 k 3 v 10.64 10.52 = 10.58 06 06

10.52 v 1 l 10.62

x

+ 7° 3404 (cont)

Apr 29, 1904

AM 1270[✓]10.96 *n* 1 *v* 11.06 11.01 = 11.04 02 0311.01 *v* 20 11.21Saw
shapeAC 1511[✓]10.04 *g* 2 *v* 10.24 10.16 = 10.20 04 0410.16 *v* 1 *h* 10.26AC 2553[✓]10.96 *n* 2 *v* 11.16 11.21, 11.21 = 11.19 03 02 02*v* 0 *v* 11.2111.21 *v* 3 *fr* 11.51B 29822[✓]10.64 *n* 2 *v* 10.84 10.86 = 10.85 01 0110.86 *v* 1 *n* 10.96B 27590[✓]10.96 *n* *n* 8 11.0111.01 *v* 20 11.21Near
edgeB 29705[✓]10.64 *n* 2 *v* 10.84 10.86 = 10.85 01 0110.86 *v* 1 *n* 10.96I 1720[✓]10.96 *n* 3 *v* 11.26 11.01 = 11.14 *ix*² *ix*³11.01 *v* 2 *v* 11.21

+ 7° 3404 (cont)

Apr 29, 1904

Am 546^v

9.14 v 4 v 9.54 9.26 - 9.40 14 14
 9.26 v 2 f 9.46

Am 420^v

9.14 e 3 v 9.44 9.06 - 9.25 19 19
 9.06 v 4 f 9.46

Am 37^v

9.14 e 1 v 9.24 9.16 - 9.20 04 04
 9.16 v 3 f 9.46

7(3) ↓
 Ac 14^x 9 Isr.
 Tonkoni.

Ac 3516^v

9.14 e 2 v 9.34 9.16 - 9.25 09 09
 9.16 v 3 f 9.46

Ac 942^v

9.14 e 3 v 9.44 9.26 - 9.35 09 09
 9.26 v 2 f 9.46

Ac 736^v

9.14 e 3 v 9.44 9.36 - 9.40 04 04
 9.36 v 1 f 9.46

Ac 2836^v

9.14 e 3 v 9.44 9.26 - 9.35 09 09
 9.26 v 2 f 9.46

+ 7° 3404 (cont.)

Apr 29, 1904

ac 784[✓]9.14 ℓ 2 v 9.34 9.16 = 9.25 09 09

9.16 v 3 f 9.46

ac 1651[✓]9.14 ℓ 1 v 9.24 9.16 = 9.20 04 04

9.16 v 3 f 9.46

ac 1716[✓]9.14 ℓ 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

ac 1574[✓]9.14 ℓ 1 v 9.24 9.16 = 9.20 04 04

9.16 v 3 f 9.46

ac 2588[✓]9.14 ℓ 1 v 9.24 9.16 = 9.20 04 04

9.16 v 3 f 9.46

ac 2622[✓]9.14 ℓ 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

am 1448[✓]9.14 ℓ 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

am 1483[✓]9.14 ℓ 1 v 9.24 9.16 = 9.20 04 04

9.16 v 3 f 9.46

+ 7° 3404 (cont.)

Apr 29, 1904

am 1436'

9.14 e 2 v 9.34 9.06 = 9.20 14 14
 9.06 v 4 f 9.46

am 1424'

9.14 e 1 v 9.24 9.26 = ^{9.15 09 09}
~~9.25 01 01~~
 9.26 v 4 f 9.46

am 1287'

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

am 1237'

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

am 1051'

9.14 e 2 v 9.34 9.06 = 9.20 14 14
 9.06 v 4 f 9.46

am 1021'

9.14 e 2 v 9.34 9.06 = 9.20 14 14
 9.06 v 4 f 9.46

Near edge am 115'

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

Near edge.

am 72'

9.14 e 3 v 9.44 9.26 = 9.35 09 09
 9.26 v 2 f 9.46

+7° 3404 (cont)

Apr 29, 1904

Nearedge $\alpha m 61^\circ$

9.14 ℓ 3v 9.44 9.26 = 9.35 09 09
 9.26 v 2f 9.46

 $\alpha m 897^\circ$

9.14 ℓ 2v 9.34 9.06 = 9.20 14 14
 9.06 v 4f 9.46

 $\alpha m 800^\circ$

9.14 ℓ 2v 9.34 9.06 = 9.20 14 14
 9.06 v 4f 9.46

 $\alpha m 622^\circ$

9.14 ℓ 2v 9.34 9.16 = 9.25 09 09
 9.16 v 3f 9.46

 $\alpha m 576^\circ$

9.14 ℓ 3v 9.44 9.36 = 9.40 04 04
 9.36 v 1f 9.46

 $\alpha m 556^\circ$

9.14 ℓ 4v 9.54 9.26 = 9.40 14 14
 9.26 v 2f 9.46

 $\alpha m 473^\circ$

9.14 ℓ 3v 9.44 9.26 = 9.35 09 09
 9.26 v 2f 9.46

 $\alpha m 2245^\circ$

9.14 ℓ 3v 9.44 9.26 = 9.35 09 09
 9.26 v 2f 9.46

212

+ 7 3404 (cont)

Apr 29, 1904

am 2260[✓]9.14 e 2v 9.34 9.16 - 9.25 09 09
9.16 v 3 f 9.46am 2279[✓]9.14 e 3v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46am 1953[✓]896 d 1.v 9.06 9.14 9.06 - 9.09 03 05 03
v o e 9.14
9.06 v 4 f 9.46am 1961[✓]9.14 e 3v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46402[✓]
am 299[✓]
Too poor.am 1574[✓]9.14 e 2v 9.34 9.06 - 9.20 14 14
9.06 v 4 f 9.46I 20920 Sp[✓]
Too poor.~~I 20987[✓]~~~~9 defective
10.16 v 1 h? 10.26~~10.16(?)
RejectOn edge of
film.

+ 7° 3404 (cont)

Apr 29, 1904

I 20388^v

On edge 9.14 e off pl. 8.96
8.96 v 5 f 9.46

Near edge I 20656^v

9.14 e 2 v 9.34 9.16 - 9.25 09 09
9.16 v 3 f 9.46

Near edge I 20025^v

Too poor

I 21295^v

9.14 e 3 v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46

I 22979^v Spr.

Too poor

I 23087^v

9.14 e 3 v 9.44 9.26 - 9.35 09 09
9.26 v 2 f 9.46

Near edge I 23128^v

9.14 e 2 v 9.34 9.16 - 9.25 09 09
9.16 v 3 f 9.46

I 23886^v

9.14 e 1 v 9.24 9.16 - 9.20 04 04
9.16 v 3 f 9.46

+7° 3404 (cont)

Apr 29, 1904

I 29423^v

9.14 e 3v 9.44 9.26 = 9.35 09.09
 9.26 v 2f 9.46

ac 1868^v

9.14 e 1v 9.24 9.16 = 9.20 04.04
 9.16 v 3f 9.46

Remeasured
 May 29, 1905

ac 3860^v

9.14 e 3v 9.76 9.44 9.26 = 9.35 .09.09
~~9.46 f 2v~~ 9.66 10.04 = 9.85 19.19
 9.26 ~~2v~~ 10.04 9.46
 to me

ac 3677^v

9.14 e 2v 9.34 9.16 = 9.25 09.09
 9.16 v 3f 9.46

ac 3358^v

9.14 e 1v 9.24 9.16 = 9.20 04.04
 9.16 v 3f 9.46

ac 2543^v

9.14 e 3v 9.44 9.26 = 9.35 09.09
 9.26 v 2f 9.46

ac 2424^v

9.14 e 2v 9.34 9.16 = 9.25 09.09
 9.16 v 3f 9.46

+ 7° 3404 (cont)

Apr 29, 1904

ac 1788[✓]

9.14 e 2v 9.34 9.16 = 9.25 .09 .09

9.16 v 3f 9.46

ac 1683[✓]

9.14 e 3v 9.44 9.26 = 9.35 .09 .09

3 30 9.26 v 2f 9.46

ac 1626[✓]

9.14 e 3v 9.44 9.36 = 9.40 .04 .04

9.36 v 1f 9.46

ac 1576[✓]

9.14 e 1v 9.24 9.16 = 9.20 .04 .04

9.16 v 3f 9.46

ac 1362[✓]

9.14 e 2v 9.34 9.16 = 9.25 .09 .09

9.16 v 3f 9.46

ac 1250[✓]

9.14 e 3v 9.44 9.26 = 9.35 .09 .09

9.26 v 2f 9.46

ac 3964[✓]

9.14 e 2v 9.34 9.06 = 9.20 14 .14

9.06 v 4f 9.46

ac 3842[✓]

9.14 e 1v 9.24 9.06 = 9.15 .09 .09

9.06 v 4f 9.46

216

+7° 3404 (cont.)
Apr 30 1904

ac 3817[✓]

9.14	e 3v	9.44	9.26 = 9.35 .09 .09
9.26	v 2 f	9.46	

ac 3701[✓]

9.14	e 2v	9.34	9.16 = 9.25 .09 .09
9.16	v 3 f	9.46	

ac 3583[✓]

9.14	e 3v	9.44	9.26 = 9.35 .09 .09
9.26	v 2 f	9.46	

ac 3569[✓]

9.14	e 1v	9.24	9.16 = 9.20 .04 .04
9.16	v 3 f	9.46	

ac 2842[✓]

9.14	e 2v	9.34	9.16 = 9.25 .09 .09
9.16	v 3 f	9.46	

ac 2473[✓]

9.14	e 3v	9.34	9.26 = 9.30 .04 .04
9.26	v 2 f	9.46	

ac 1398[✓]

Too poor.

ac 904[✓]

9.14	e 1v	9.24	9.16 = 9.20 .04 .04
9.16	v 2 f	9.46	

+ 7° 3404 (cont)

Apr 30 1904

ac 834[✓]

9.14	e 2v	9.34	9.16 = 9.25 .09 .09
9.16	v 3f	9.46	

ac 734[✓]

8.96	e 2v	9.16	9.14	9.16 = 9.15 .01 .01 .01
9.14	v 0e	9.14		
9.16	v 3f	9.46		

ac 296[✓]

9.14	e 3v	9.44	9.26 = 9.35 .09 .09
9.26	v 2f	9.46	

ac 236[✓]

9.14	e 1v	9.24	9.16 = 9.20 04 .04
9.16	v 3f	9.46	

am 505[✓]

9.14	e 1v	9.24	8.96 = 9.10 14 14
8.96	v 5f	9.46	

Near
edgeam 439[✓]

Too poor

am 120[✓]

9.14	e 1v	9.24	9.06 = 9.15 .09 .09
9.06	v 4f	9.46	

+7° 3404 (cont)

Apr 30, 1904

Am 564

9.14	e 2 v	9.44 ³	9.06 = 9.20	14	<u>14</u>
9.06	v 4 f	9.46			

Am 931

9.14	e 2 v	9.34	9.16 = 9.25	.09	<u>.09</u>
9.16	v 3 f	9.46			

Am 1542

9.14	e 1 v	9.24	9.06 = 9.15	.09	<u>.09</u>
9.06	v 4 f	9.46			

Am 1542

9.14	e 2 v	9.34	9.16 = 9.25	.09	<u>.09</u>
9.16	v 3 f	9.46			

Am 1546

9.14	e 3 v	9.44	9.26 = 9.35	.09	<u>.09</u>
9.26	v 2 f	9.46			

Am 1553

9.14	e 3 v	9.44	9.06 = 9.25	19	<u>19</u>
9.06	v 4 f	9.46			

Am 1918

9.14	e 1 v	9.24	9.16 = 9.20	.04	<u>.04</u>
9.16	v 3 f	9.46			

ac 325

Tupor

+ 7° 3404 (cont)

Apr 30, 1904

ac 360^v

9.14	e 4 v	9.54	9.16 = 9.35	19	<u>.19</u>
9.16	v 3 f	9.46			

ac 780^v

9.14	e 3 v	9.44	9.36 = 9.40	.04	<u>.04</u>
9.36	v 1 f	9.46			

ac 843^v

9.14	e 2 v	9.34	9.06 = 9.20	14	<u>.14</u>
9.06	v 4 f	9.46			

ac 855^v

9.14	e 2 v	9.34	9.16 = 9.25	.09	<u>.09</u>
9.16	v 3 f	9.46			

ac 910^v

Too faint

ac 929^v

9.14	e 2 v	9.34	9.16 = 9.25	.09	<u>.09</u>
9.16	v 3 f	9.46			

ac 1019^v

9.14	e 3 v	9.44	9.26 = 9.35	.09	<u>.09</u>
9.26	v 2 f	9.46			

ac 1390^v

Too faint

+7° 3404 (cont 1)

Apr 30, 1904

ac 1474 Iso.

9.14	e 3 v	9.44	9.26 = 9.35 .09 .09
9.26	v 2 f	9.46	

ac 1517

9.14	e 2 v	9.34	9.16 = 9.25 .09 .09
9.16	v 3 f	9.46	

ac 1518

9.14	e ³ 4 v	9.44	9.26 = 9.35 .09 .09
9.26	v 2 f	9.46	

ac 2673

9.14	e 2 v	9.34	9.06 = 9.20 14 14
9.06	v 4 f	9.46	

ac 2485

Top part.

ac 1749

9.14	e 3 v	9.44	9.16 = 9.30 14 14
9.16	v 3 f	9.46	

Plate too
faint.

ac 1584

9.14	e 2 v	9.34	9.36 = 9.35 .01 .01
9.36	v 1 f	9.46	

ac 816

9.14	e 1 v	9.24	9.16 = 9.20 .04 .04
9.16	v 3 f	9.46	

+ 7° 3404 (cont)

Apr 30, 1904

ac 876 ✓

Too poor.

ac 3717 ✓

Too poor.

ac 2672 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

ac 903 ✓

Too poor

ac 2769 ✓

9.14 e 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

ac 3525 ✓

9.14 e 4 v 9.54 9.36 = 9.45 09 09

9.36 v 1 f 9.46

ac 1461 ✓

9.14 e 1 v 9.24 8.96 = 9.10 14 14

8.96 v 5 f 9.46

B 13989 ✓

9.14 e 2 v 9.34 9.16 = 9.25 09 09

9.16 v 3 f 9.46

+7° 34' 04 (cont)

Apr 30, 1904

B 14180 Sp[✓]

9.14 e 4 v 9.54 9.36 = 9.45 09 09
 9.36 v 1 f 9.46

B 16803[✓]

9.14 e 1 v 9.24 9.26 = 9.25 01 01
 9.26 v 2 f 9.46

Near
edgeB 16444[✓]

9.14 e 1 v 9.24 9.06 = 9.15 09 09
 9.06 v 4 f 9.46

B 19378[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

B 20421[✓]Near
edge -

diff pl.

v 0 e 9.14 9.16 = 9.15 01 01
 9.16 v 3 f 9.46

B 21149[✓]

9.14 e 1 v 9.24 9.16 = 9.20 04 04
 9.16 v 3 f 9.46

B 22697[✓]

9.14 e 2 v 9.34 9.16 = 9.25 09 09
 9.16 v 3 f 9.46

+ 7° 3404 (cont.)
Apr 30, 1904

B 25745^v

9.14 e 1 v 9.24 9.16 - 9.20 04 04

9.16 v 3 f 9.46

Am 1502^v

9.14 e 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

Am 797

9.14 e 2 v 9.34 9.06 = 9.20 14 14

9.06 v 4 f 9.46

B 13400^v Sp.

9.14 e off pl.

9.26 v 2 f ? 9.46

9.26

B 23964^v

div

v 0 e 9.14 9.16 - 9.15 01 01

9.16 v 5 f 9.46

B 20500^v

d. defective

9.36 v 1 e 9.46

9.36

B 21990^v

near edge 9.14 e 1 v 9.24 9.06 = 9.15 09 09

9.06 v 4 f 9.46

B 30619^v

9.14 e 3 v 9.44 9.26 = 9.35 09 09

9.26 v 2 f 9.46

224

± 7 3404 (cont)

Apr 30 1904

I 15308¹

Near
edge 9.14 e 3 v 9.44 9.26 = 9.35 09 09
9.26 v 2 f 9.46

B 30037¹

9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

am 1454¹

9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

Ac 4083¹

9.14 e 3 v 9.44 9.26 = 9.35 09 09
9.26 v 2 f 9.46

ac 2798¹

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

a 565

9.14 e 1 v 9.24 9.16 = 9.20 04 04
9.16 v 3 f 9.46

A 3731¹

9.14 e 2 v 9.34 9.16 = 9.25 09 09
9.16 v 3 f 9.46

A 6027¹

9.14 e 4 v 9.44⁵ 9.26 = 9.40 14 14
9.26 v 2 f 9.46

+ 7 3404

(226)



I 31671

10.04 93v
10.16 v1h

10.34

10.26

I 31699

9.14 e3v 9.44 9.36-9.40 9.14 e3v 9.44 9.26-9.35
9.36 v1f 9.46 9.26 v2f 9.46 09 09

I 31700

9.14 e2v 9.34 9.16-9.25 09 09

10.96 n3v 11.26

11.11 v1o 11.21

9.16 v3f 9.46

I 31701

9.14 e2v 9.34 9.06-9.20 14 14

I 31666

9.14 e3v 9.4

9.16 v3f 9.46

9.06 v4f 9.46

I 31702

9.14 e1v 9.24 8.96-9.10 14 14

I 31662

9.14 e3v 9.4

9.26 v2f 9.4

8.96 v5f 9.46

31704

9.14 e2v 9.34 9.16-9.25 09 09

9.16 v3f 9.46

B 25341

9.14 e1v 9.24 9.2

9.26 v2f 9.46

Cont. B 30, p. 50



+ 7 3404

I 31671

10.04 93v 10.34 10.16 = 10.25 .09 .09
10.16 v1h 10.26

I 31674

10.96 w3v 11.26 11.11 = 11.18 08 07
11.11 v1o 11.21

I 31666

9.14 e3v 9.44 9.16 = 9.30 14.14
9.16 v3f 9.46

I 31662

9.14 e3v 9.44 9.26 = 9.35 .09 .09
9.26 v2f 9.46

B 25341

9.14 e1v 9.24 9.26 = 9.25 01 01
9.26 v2f 9.46

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~~28440~~

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