KG
11365
967

1993phae.proj..968L

Miscellaneous Observations

E. F. Leland

No. 1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

KC 113365, 967

1995phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

KG-113G5.967

1893phae.proj..968L

HARVARD
UNIVERSITY
LIBRARY
JUL 17 1956

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Contents.

Date.	Objects.	Page.
	Notes on Stars ex. for variability	5,6
	Variable in Orion RD+0°939 $4^h 57^m.9$ +0° 58'.	10-14
	Measures of U Cephei and comparison stars.	17-79
	Measures of Mr. Bailey's variables in 5 M Serpentis.	
v	No. 10	91-96
v	No. 1	97-102
v	No. 41	103-108
v	No. 22	109-114
v	No. 2	115, 173-177
v	No. 29	116,
v	No. 23	117,
v	No. 20	118,
v	No. 12	119, 207-211
v	No. 14	120,
v	No. 11	121, 202-206
v	No. 38	122,
v	No. 33	123,
v	No. 26	124,
v	No. 40	125, 159-162
v	No. 3	126, 178-182
v	No. 16	127,
v	No. 34	128, 153,
v	No. 9	129, 198-201
v	No. 21	130,
v	No. 15	131,
v	No. 18	132-137
v	No. 28	138
v	No. 8	139, 193-197

No C Plate mea in this book for Mo Var

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Contents

	Objects.	Page.
	Measures of Mr Bailey's variables (cont'd)	
✓	No 31	140,
✓	No. 32	141,
✓	No. 19	142,
✓	No. 7	143, 168-172
✓	No. 30	144,
✓	No. 39	145,
✓	No. 42	146,
✓	No. 25	147,
✓	No. 35	148
✓	No. 13	149, 212-216
✓	No. 24	150,
✓	No. 36	151,
✓	No 37	152,
✓	No. 4	154, 163-167
✓	No. 5	155, 183-187
✓	No. 17	156,
✓	No. 6	157, 188-192
✓	No. 27	158,
	No. 40	159-163

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaeproj..968L

Friday March 24, 1893

Plate I 6257. DM +1 2694 12h 17.8 +1 35 does not appear.

Plates 3466, 6111 examined. Star does not appear on either.

April 26, 1893

Plate 5374 I. DM. +51 1110 5h 35.5 +51 23 does not appear.

Plates 5218, 5227, 5626 examined. Star does not appear, but one in same declination 1 minute following appears on each of the four plates which is not found in D.M. Cat. of about the eighth magnitude.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 8, 1895

Plate I 8936. The bright object numbered "18" on this plate does not appear on the chart or in B.D. Cat. Plates 4422, 4510, 4665, 8825, 8905, 9362 9577, 9578 and 9594 have been examined but show no trace of the object, although one plate (8905) was taken on the day preceding that of 8936
Est. position 21h 15m 6s — 3° 53'

Jan 15, 1895

Plate I 7354 Original faint object No 15 not in BD Cat. Plates 4485, 6955, 6961, 7149, 7229 and 9522 have been examined, but show no evidence of variability —

Sept 18, 1895

Plate I 10,798. Faint — No. 18 Examined plates 6271, 8659, 935, 933 and 12,884 to see if this star showed evidence of variability —
No definite evidence —

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaed.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

April 9, 1895.

Meas of new variable in ~~Orion~~ BD +0° 939 4h 57.9m +0° 58' 6.0

Plate I 77.6

a	5.0	7.3	8.3
b	5.2	7.5	8.5
c	5.8	8.1	9.1
d	6.2	8.5	9.5
e	6.8	9.1	10.1
f	7.2	9.5	10.5
g	7.5	9.8	10.8
h	7.8	10.1	11.1
K	8.1	10.4	11.4
var	7.2	10.4 10.43 10.58 = 10.43	.10 .02 .13

6.48

9.8 / 16.5 / 7.3 / 2.3

Plate I 2649

8.49 b 3 x ~~k~~ 8.79 8.97 = 8.88 .09 .09

9.3 v 1 c x 9.407

8.97

Plate I 2918

8.49 b a v 8.69 ~~9.X~~ = 8.85 ~~.28~~ ~~.29~~ .04 .04

~~9.X~~ v 3 c 9.4~~55~~ 07

8 7 7

Plate I 2919

8.49 b 2 v 8.69 9.X = 8.85 .04 .04

9.X v 3 c 9.407

77

Plate I 5086

9.95 e

10.0 ~~k~~ 1 v 10.X 10.23 = 10.15 .09 .09

10.23 v x ~~f~~ 10.43

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

April 9, 1895

Continued

Plate I 5087

~~10.0~~ 9.95 e 1 v 10.X 05 10.3 3 = 10.2 19 .14 .14

10.33 v 1 f 10.43

Plate I 5322

9.~~6~~ 55 d 2 v 9.8 75 9.9 85 = 9.85 0 .05 .05

9.9 85 v 1 e ~~10.0~~ 9.95

Plate I 5365

9.~~4~~ 47 c 2 v 9.6 27 9.5 45 = 9.~~5~~5 36 .09 .09

9.5 45 v 1 d 9.6 55

Plate I 5436

9.~~6~~ 55 d 2 v 9.8 75 9.9 85 = 9.85 0 .05 .05

9.9 85 v 1 e ~~10.0~~ 9.95

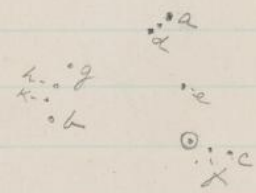


Plate I 7699

~~10.0~~ 9.95 e 1 v 10.X 05 10.3 3 = 10.2 19 .14 .14

10.33 v 1 f 10.43

Plate I 7763

~~10.0~~ 9.95 e 2 v 10.2 15 10.3 3 = 10.25 4 .09 .09

10.33 v 1 f 10.43

Plate I 7780

~~10.0~~ 9.95 e 1 v 10.X 05 10.33 = 10.2 19 .14 .14

10.33 v 1 f 10.43

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

April 9, 1895

Continued.

Plate I 9542

a	5.2	8.1
b	55	8.4
c	68	9.4
d	68	9.7
e	70	9.9
f	7.5	10.4
g	7.8	10.7
h	8.2	11.1
K	8.8	11.7
var	7.6	10.5 3 10.5 68 = 10.50 60

68

98
6.9
2.9

.07 .08

Plate I 9574

10.0 9.95 e 3 v 10.3 25 10.33 = 10.30 29 .04 .04

10.33 v 1 f 10.43

Plate I 10088

10.43 f 1 v 10.53

g not on plate.

Plate B 2945

Images 8.49 b 3 v ? 8.7 83 = 8.50 .09 .09

not clear 83 v 1 c ? 84

8.97 9.07

8.97 = 88

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

April 9, 1895

Continued

Plate I 7716

a	5.0	8.2
b	5.2	8.4
c	6.0	9.2
d	6.2	9.4
e	6.8	10.0
f	7.3	10.5
g	7.8	11.0
h	8.0	11.2
k	8.2	11.4
var	7.3	~~10.0~~ $10.5^{4\frac{1}{2}}\ 10.4^{3}\ 10.3^{8} = 10.4^{2}$ .03 .01 .04

6.56

9.8 6.6 3.2

Plate I 9542

a	5.2	8.1
b	5.5	8.4
c	6.8	9.7
d	7.0	9.9
e	7.1	10.0
f	7.3	10.2
g	7.8	10.7
h	8.4	11.3
k	8.8	11.7
var	7.7	$10.8^{3}\ 10.7^{8} = 10.7^{80}$ .03 .02

6.94

9.8 6.9 2.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

April 10, 1895

Continued.

Plate B 116

9.95 / 10.0 e 1 v 10.x 10.05 10.23 = 10.14 .09 .89

10.23 v 2 f 10.43

Plate B 2398

9.55 d 2 v 9.75 9.85 = 9.85 .05 .05

9.85 v 1 e 9.95

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 11 1895

Measures of U Cephei and Comparison Stars.

(1st Set)

Plate 1c 7595

1st Set ~~6th 1st~~ ~~2d 3d~~ 1st 2d 3d

Poor Plate	a	7.0
	b	8.0
	c	9.0
	d	N. S
	U	7.1

Rejected on account of clouds.

Plate 1c 7628

a	8.5
b	
c	
d	
U	

Plate 1c 7633

2d Set 2d S.

a	N.S
b	6.2
c	N.S
d	N.S
U	5.5

Plate 1c 7653

~~1st Ex. 1st on 1b.~~

1st Ex. 2d S

a	N S
b	7.5
c	N.S
d	9.7
U	6.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 11, 1895

Measures of U Cephei and comparison stars

Plate Le 7654

Too poor to meas.

a
b
c
d
U

Plate Le 7672

Cannot identify

a
b
c
d
U

Plate Le 7676

2d ☆

a 6.6
b 7.7
c 9.0
d N.S
U 7.8

Plate 7752

3d ☆

a 6.5
b 7.3
c 8.8
d 9.8
U 6.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 11, 1895

Measures of U Cephei and comparison stars.

Plate 7841

1st Ex ~~1st 40 S~~ 1st 40 S

a 7.9
b 9.5
c 10.0
d NS
U 8.2

Plate 7842

1st Ex 3d S

a 7.8
b 9.0
c 9.7
d N.S
U. 8.2

Plate 7843

a ~~7.7~~ 7.9
b 9.0 9.0
c ~~9.8~~ 9.6
d ~~7.~~ ~~7~~
U ~~9.5~~ 10.2

Plate 7844

1st Ex 3d S

a 8.0
b 9.0
c 9.7
d ~~E~~ N.S
U 10.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Cephei and comparison Stars

Plate Le 7906

a 8.2
b 9.5
c 10.0
d N.S
U. 8.6

2d & 4th 1st image Plate 7922

Poor a 6.5
b 7.2
Plate c 8.9 ?
d ?
U 9.8

5-th image Plate Le 7923

a 6.9
b 7.5
c 8.8
d 10.2
U. 10.0

Plate Le 7943

a 7.2
Poor b 8.0
Plate c 9.2
d 10.2 ?
U. 9.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Cephei and comparison stars

Plate 7944

Plate a
not good b
enough c
to meas? d
U.

1st Ex Plate Le 8048
2d " image a 7.5
b 8.8
c 9.6
d N.S
U 10.0

5th image? Plate Le 8049
1st Ex a 7.7
b 8.6
c 9.6
d N.S.
U 8.8

Plate Le 8050
a 7.7
b 8.8
c 9.7
d N.S
U 7.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895.

Measures of u Cephei and comparison stars.

Plate Le 8106

1st Ex 5th image
a 6.7
b 8.0
c 9.5
d 10.1
u 9.9

1st Ex 1st im.
Plate 8107 Le.
a 6.2
b 7.3
c 9.0
d 10.1
u 7.2

3d image.
Plate Le 8108
a 6.5
b 7.4
c 8.8
d 10.0
u 6.2

1st Ex. 1st im.
Plate Le 8110
a 7.2
b 8.2
c 8.9
d 10.0
u 7.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of α Lyrae and comparison Stars

Plate 8179

a 7.2
Poor b 8.0
Plate? c 8.8
d F.
U 7.2

Plate 8180

Right a 8.0
identifi b 9.0
cation? c 10.0
d N.S.
U 8.9

Cannot identify - Plate 8200

1st image Plate 8211

a 7.0
b 8.1
c 9.2
d 10.1
U 8.2

5th image Plate 8212

a 7.3
b 8.2
c 9.0
d 10.0?
U 7.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Lephei and comparison stars.

1st image.

Plate 8261

a 6.4
b 7.7
c 9.0
d 10.0
U 7.3

Plate 8262

a 6.5
b 7.2
c 9.0
d 10.0
U 6.3.

Plate 8305

Poor Plate.

a 6.3
b 7.2
c 8.7?
d ?
U 6.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Cephei, and comparison stars (2d set of measures)

Plate 7595

11th M a 7.2
b 8.3
c 9.5
d N.S
u 7.8

Rejected – Plate Le 7628

Cannot identify Plate Le 7632

Plate Le 7633

Last Ex. a N.S
5th M b 8.8
c N.S
d N.S
u 7.7

Plate Le 7653

Last Ex a 5.0
5th M b 5.5
c 7.9
d 7.9
u 4.8

Plate Le 7654

Poor a
Plate. b
c
d
u

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Cephei and comparison stars

Cannot identify Plate Ic 7672

Last Ex. 5th to 3d

Plate Ic 7676

a	6.7
b	8.0
c	8.9
d	10.0
U	7.0

Plate Ic 7752

Last Ex 9th to 5th

a	6.8
b	7.8
c	8.8
d	10.0
U	6.7

Plate Ic 7841

Last image

a	7.8
b	9.1
c	10.0
d	N.S
U.	7.8

Plate Ic 7642

Last entire Ex. 10th image

a	7.6
b	9.0
c	9.8
d	N S
U.	9.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U Ophiuchi and comparison stars

Plate Le 7843

a	7.8
b	9.0
c	9.8
d	N.S
U	9.7

Plate Le 7844

Last Ex of two images

a	7.9
b	9.0
c	9.6
d	N.S
U	9.7

Plate Le 7906

6 two Ex. 10 two images.

a	9.3
b	10.2
c	N.S
d	N.S
U	9.8

Plate Le 7922

Poor Plate.

a	6.3
b	7.2
c	N.S
d	N.S.
U	N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 14, 1895

Measures of U. Leporis and comparison stars

Plate 1e 7923

Last image a 7.7 (2)
b 8.7
c 9.8
d [illegible]
U 8.5

Plate 1e 7943

Poor a 7.3
Plate b 8.2
c 9.2
10th image d ?
least-Ex ?
U 9.7

Two poor to meas. Plate 1e 7944

Plate 1e 8048

Last-Ex a 7.5
5th image. b 8.7
c 9.7
d 8.5'
U 10.0

Plate 1e 8049

9th Ex 8th im. a 7.5
b 8.5
c 9.6
d 10.8
U 9.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 15, 1895

Measures of U Cephei and comparison stars.

Plate b 8050

Last image	a	7.8
	b	8.9
	c	9.9
	d	N.S
	U	7.5

Plate b 8106

Last Ef 10th image.	a	7.5
	b	9.5
	c	10.1
	d	N.S
	U	9.8

Plate b 8107

Last Ef 7th image.	a	6.6
	b	7.5
	c	9.0
	d	7.
	U	6.4

Plate b 8108

6th Ef, 10th im.	a	6.5
	b	7.4
	c	9.2
	d	10.0
	U	6.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 15, 1895

Measures of U Lephei and comparison stars

Plate Le 8110

Last image

a	7.3
b	8.5
c	9.7?
d	F.
U	7.2

Last image

Plate Le 8179

a	7.5
b	8.4
c	9.5
d	F
U	7.2

Plate Le 8180

Last Ex 5th in. Is Ident of this Plate correct?

a	6.6
b	7.5
c	8.7
d	NS
U	6.5

Not identified

Plate Le 8200

a	
b	
c	
d	
U	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1899phae.proj.:968L

Oct 15, 1895

Measures of U Lephei and comparison stars.

Plate b 8211

12th" Ex 10th" image

	a	7.5
	b	8.5
	c	9.5
	d	10.0
	U	7.5

Last image.

Plate b 8212

	a	7.5
	b	8.5
	c	9.6
	d	7
	U	7.5

Plate b 8261

Last image

	a	6.8
	b	7.7
	c	9.2
	d	9.8?
	U	6.5

Plate 8262

Kept last Ex. 10th" im.

	a	6.5
	b	7.3
	c	8.9
	d	7.
	U	6.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 15, 1895

Measures of U Cephei and comparison stars.

Plate 6 8305

Last Ex 7th in

a 6.5
b 7.3
c 8.5
d N.S.
U 6.4

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 28, 1895

Measures of U Ophiuchi and brighter of two comparison stars. (Upper image 1st set of tens)

		√	Plate. 7923
17h	21	U	9.6
		C	8.7
			Plate 7943
W 15	54	*U	9.7
		C	9.2
			Plate 8048
W 13	10	U	10.0
		C	9.5
			Plate 8049
W 15	31	U	8.6
		b	8.3
			Plate 8050
W 17	29	U	7.5
		a	7.3
		~~a~~	~~7.2~~
			Plate 8106
W 13	03	U	9.9
		C	9.2
			Plate 8107
15	32	U	7.0
		a	6.5
			Plate 8110
16	31	U	7.1

* Diameters not brighter Comp. star.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 28, 1895

Measures of U Cephei and brighter of two comp. stars. (upper image 1st sub of two)

Plate 8211

W
13 21 U 7.8
a 7.0

Plate 8212

W
15 30 U 7.2
No brighter comp. stars.

Plate 8261

W
13 01 U 7.5
65
a 72

Plate 8262

W
15 11 U 6.5
No bri. Comp. stars.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phae.proj..966L

Oct 28, 1895

Measures of U Cephei and faintest of two comp. Stars. (Upper image 2d set of ten)

Plate 7923

17h 31 U 9.6
d 10.1

Plate 7943

16h 04 U 9.7
d 10.0

Plate 8048

13h 21 U 9.9
d Too faint

Plate 8049

15h 41 U 8.6
C 9.5

Plate 8050

17 3h8 U 7.2
b 8.5

13 13 Plate 8106

U 9.9
d Too faint

Plate 8107

15h 41 U 7.0
b 7.3

Plate 8110

16 41 U 7.3
b 8.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 28, 1895

Measures of U Lephei and fainter of two comp. stars. (Upper image 2d set of two)

Plate 8211

h
13 31 U 7.7
b 8.0

Plate 8212

h
15 58 U 7.2
b 8.0

Plate 8261

h
13 11 U 7.2
b 7.5

Plate 8262

h
15 36 U 6.3
b 7.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 29 1895

Measures of U Cephei and brightness of two comp. stars. (Upper images 3d set of plate)

Plate 7923

W
17 41 U 9.5
C 8.7

Plate 7943

W
16 14 U 9.6
C 9.0

Plate 8048

W
13 31 U 10.0
C 9.6

W
15 51 Plate 8049
U 8.5
a 7.3

Plate 8050

W
17 58 U 7.2
No br. comp star.

Plate 8106

W
14 05 U 10.0
W.S. meas first-time. C 9.7

W
15 51 Plate 8107
U 6.8
a 6.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 29, 1895

Measures of U Cephei and brighter of two comp. stars – (Upper image 3d. set of ten)

Plate 8110

W
16. 51 U 7.0
No br. comp. star

Plate 8211

W
13 41 U 7.8
a 7.1

Plate 8212

W
16 00 U 7.2
No br. comp. star.

Plate 8261

W
13 21 U 7.2
a 6.3

Plate 8262

W
15 46 U 6.2
No br. comp. star.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phaej.proj..966L

Oct 29, 1895

Measures of U Ophiei and fainter of two comparison stars (Upper images of 4th set of two)

Plate 7923

W 18 37 32. U 8.5 2
C 8.7

Plate 8048

W 13 41 U 10.0
d too faint.

Plate 8049

W 16 01 U 8.5
C 9.2

Plate 8050

07 58 U 7.3
b 8.3

Plate 8106

14 15 U 9.8 8.2 w.s
d too faint.

Plate 8107

16 01 U 6.8
b 7.2

Plate 8110

17 01 U 7.0
b 8.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 29, 1895

Measures of U Cephei and familiar of two comp. stars. (Upper image 4th set of ten)

Plate 8211

13 51 U 7.8
b 8.0

Plate 8212

16 10 U 7.2
b 8.1

Plate 8261

13 31 U 7.0
b 7.6

Plate 8262

15 56 U 6.5
b 7.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 29, 1895

Measures of U Ophei and brighter of two comp. stars. (Uffen images 5th set of ten)

Plate 7923

18 42? U 7.8
b 7.3

Plate 8048

13 51. U 10.0
c 9.8

Plate 8049

16 11 U 8.2
a 7.3

Plate 8050

18 08 U 7.0
No br. comp star.

Plate 8106

14 25 U 9.7
C 9.6

Plate 8107

16 11 U 6.7
a 6.2

Plate 8110

17 11 U 6.5
No br. comp star

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 29, 1895

Measures of U Cephei and brightness of two comp. stars (Upper image 5th set of two)

Plate 8211

14 01 U 7.8

a 7.3

Plate 8212

16 20 U 7.3

No bet. comp stars.

Plate 8261

13 41 U 7.0

a 6.4

Plate 8262

16 06 U 6.2

No bet. comp stars.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Measures of U Sagittæ and Comparison of two comp. stars. (Upper image 6th set of ten)

Plate 7923

18 5.2 U 7.8
C 8.7

Plate 8048

XX 2.6 U 10:1
d too faint.

Plate 8049

16 21 U 7.8
b 8.2

Plate 8050

18 18 U 7.2
b 8.3

Plate 8106

14 35 U 9.8
d Too faint

Plate 8107

16 21 +U 6.0
+b 6.5

Plate 8110

17 21 bL 6.5
b 7.7

"Images probably double"

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 30, 1895

Measures of U Cephei and faint of two comp. stars. (Upper image 6th set of two)

Plate 8211

14	11	U	7.9
		b	8.2

Plate 8213

16	30	U	7.2
		b	8.3

Plate 8261

13	51	U	7.0
		b	7.8

Plate 8262

16	16	U	6.2
		b	7.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 30, 1895

Measures of U Serpentis and brightest of two comp. stars. (Upper image 7th set)

Plate 7923

18 63 U 7.6
a 6.5

Plate 8048

14 34 U 10.1
c 9.6

Plate 8049

16 31 U 8.0
b 7.3

Plate 8050

18 28 U 7.2
No brighter comparison star.

Plate 8107

16 31 U 6.5
a 6.3

Plate 8110

17 31 U 6.5
No br. comp. stars.

Plate 8211

14 21 U 7.7
a 7.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 30, 1895

Measures of U Cephei and brighter of two comp. stars. (Upper image 7th set)

Plate 8212

16 40 U 7.2

No br. comp stars.

Plate 8261

14 01 U 6.8

a 6.5

Plate 8262

16 26 U 6.3

No br. comp. stars.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 30, 1895

Measures of U Leaphei and fainter of two comp. stars. (Upper image 8th set)

Plate 8048

W
14 44 U 10,0
d Too faint.

Plate 8049

16 56 U 7.8
b 8.8

Plate 8050

18 38 U 7.0
Hazy— b 8,5?

Plate 8107

16 71 U 6,5
b 7.5

Plate 8110

17 41 U 6.3
b 7.7
a 6.8

Plate 8211

14 31 U 7.7
b 8,2

Plate 8212

16 50 U 7,3
b 80

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Oct 30, 1895

Measures of a Delphini and fainter of two comp. stars (Upper image 8th set)

Plate 826 1

14 h 11 U 6.6
b 7.7

Plate 826 2

16 36 U 6.5
b 7.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 1, 1895

Measures of α Cephei and brighter of two comp. stars. (Upper image 4th set)

Plate 8048

W 14 54 U 10.0
C 9.7

Plate 8049

W 17 06 U 7.8
a 7.5

Plate 8050

W 18 48 U 7.1
No br. comp stars.

Plate 8107

16 51 U 6.5
~~a 6.5~~ No br. comp stars.

Plate 8110

17 51 U 6.3
No br. Comp stars.

Plate 8211

14 41 U 7.7
a 7.4

Plate 8212

17 00 U 7.3
No br. comp stars.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 1, 1895

Measures of U Cephei and brighter of two comp. stars. (Upper inv. 9th 5rd)

Plate 8261

14 21 W 6.5

No br. comp star.

Plate 8262

16 46 W 6.3

No. brighter as a

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 1, 1895

Measures of U Lephei and faint[er] of two comp. stars. (Upper (image 10th sel.)

Plate 8050

18	58	U	7.0
		b	8.2

Plate 8107

17	01	U	6.3
		b	7.2

Plate 8110

18	01	U	6.5
		a	7.0

Plate 8211

W 14	51	U	7.8
		b	8.2

Plate 8212

17	10	U	7.2
		b	8.3

Plate 8261

W 14	31	U	6.3
		b	7.5

Plate 8262

16	56	U	6.3
		b	7.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 1, 1895

Measures of U Cephei and brighter of two comp. stars. (Upper image 11th set)

Plate 8050

19 06 U 7.1
No br. comp stars

Plate 8107

17 07 U 6.2
No br. comp stars.

Plate 8110

18 11 U 6.8
No br.

Plate 8211

15 01 U 7.7
a 7.3

Plate 8261

U 6.3
No br.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 1, 1895

Measures of U Bephei and faint of two comp. stars (Upper image 12th mag)

Plate 8050

19	18	U	7.7
		b	8.9

Plate 8107

17	17	U	6.3
		b	7.2

Plate 8110

18	21	U	6.7
		b	7.8

Plate 8211

15	11	U	7.8
		b	8.2

Plate 8261

14	51	U	6.3
		b	7.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 14, 1895

Measures of U Cephei and brighter of two Comp. stars. Upper image 1st set of 6

Pl. 7632 *

27
13 ~~14~~ U 6.7
a Not on plate.

Plate 7672

19 43 U 8.5
b 7.9

Plate 7676

14 50 U 7.0
W.S meas. ~~a~~ ~~6.5~~
a not wholly on Pl.

Measures of U Cephei and fainter of two Comp Stars. Upper im. 2d set of 6

Plate 7632

13 33 U 6.8
b 7.3

Plate 7672

19 49 U 8.8
a 10.0

Plate 7676

14 60 U ~~7.2~~ 7.8
W.S meas. b ~~8.0~~

* This plate has only 6 images in each set. According to instructions from Mrs Fleming 1st and 4th images have been measured. The same applies to Plate 7672

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 14, 1895

Measures of U Cephei and brightest of two comp. stars. (Upper image 3 d. sil.)

Plate 7632

13 39 U 6.9
a Nebulous plate.

Plate 7672

19 55 U 8.9
b 7.8

Plate 7676

15 10 U 7.0
W.S meas. ~~a 6.7~~

Measures of U Cephei and fainter of two Comp. stars (Upper image 4 d. sil.)

Plate 7632

13 45 U 6.8
b 7.2

Plate 7672

20 01 U 9.0
a 10.0

Plate 7676

15 20 U 7.0
b 7.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 18, 1895

Measures of U Cephei and brighter of two comp. stars. (Upper image 5th set)

Plate 7632

13 51 U 6.8
a not on pl.

Plate 7672

20 07 U 9.1
b 7.8

Plate 7676

15 30 ? U 6.7
a Not on pl.

Measures of U Cephei and fainter of two Comp. stars. Upper im 6th set

Plate 7632

13 57 U 6.8
b 7.5

Plate 7672

20
~~13~~ 13 U 9.5
d not on pl.

Plate 7676

15 40 ?
~~20~~ ~~13~~ U 7.2
b 7.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj...968L

Nov 18, 1895

Measures of U Sephei and brightest of two comp stars (upper image 7th set)

Plate 7632

14 03 U 6.8
a Not on plate.

Plate 7672

20 19 U 9.5
b. cord cut off –

Plate 7676

15 50 U 7.2
b 6.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 19, 1895

Measures of U Cephei and brighter of two comp. stars. (5th images 1st set of two)

Plate 7676

14 54 U 7.1
a Not on pl.

✓ Plate 7933

17 25 U 9.6
C 8.6

Plate 7943

15 58 U 9.7
C 9.2

Plate 8048

13 15 U 10.0
C 9.5

Plate 8049

15 35 U 8.6
b 8.3

Plate 8050

17 33 U 7.5
Not bri. comp. star.

Plate 8106

13 07 U 9.9
c 9.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 19, 1895

Measures of U Cephei and brighter of two comp stars. (5th image 1st set of ten)

Plate 8107

15 35 U 7.0
a 6.5

Plate 8110

16 35 U 7.1
a 6.7

Plate 8211

13 25 U 7.8
a 7.2

Plate 8212

15 34 U 7.2
No br comp. stars.

Plate 8261

13 05 U 7.3
a 6.5

Plate 8262

15 15 U 6.3
No br. comp stars.

4th image mea. Plate 7632

~~47~~ ~~30~~ U 7.0
13 30
No br comp. stars

4th image mea Plate 7672

19 46 U 8.7
b 7.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 19, 1895

Measures of U Cephei and family of two comp. stars. (5th image 2d set of ten)

Plate 7676

14	64	U	6.8
15	04	b	7.8

Plate 7923

17	35	U	9.7
		d	10.0

Plate 7943

16	08	U	9.7
		d	9.9

Plate 8048

13	25	U	10.0
		d	Too ft.

Plate 8049

15	45	U	8.7
		o	9.5

Plate 8050

17	43	U	7.2
		b	8.6

Plate 8106

13	17	U	10.2
		d	Too ft

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 19 1895

Measures of U Cephei and family of two comp stars. (5th image 2d set of ten)

Plate 8107

15 45 U 6.9
6 7.6

Plate 8110

16 45 U 7.21
6 8.3

Plate 8211

13 35 U 7.7
6 8.2

Plate 8212

15 54 U 7.0
~~6 6v. comp stars.~~
6 8.2

Plate 8261

15 3 15 U 7.1
6 7.5

Plate 8262

15 25 U 6.2
6 7.5

4th image meas Plate 7832

13 36 U 6.9
6 7.5

Plate 7672

19 52 U 9.1
d

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 21, 1895

Measures of U Cephei and brightness of two comp. stars. (5th image 3d set)

Plate 7676

15 14 U 6.7
a Not on pl.

Plate 7923

18 26 U 8.2
b 7.3

16 18 Plate 7943
U 9.7
c 9.0

Plate 8048

13 35 U 10.0
c 9.3

Plate 8049

15 55 U 8.5
a 7.3

Plate 8050

17 52 U 7.3
No br. comps.

Plate 8106

13 27 U 10.0
b 9.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 21, 1895

Measures of U Serpentis and brighter of two comp. Stars. (5th image 3d set)

Plate 8107

15 55 U 6.7
a 6.5

Plate 8110

16 55 U 7.2
a 6.8

Plate 8211

13 45 U 7.6
a 7.2

Plate 8212

16 04 U 7.3
No br. comp s.

Plate 8261

13 05 U 7.0
a 6.2

Plate 8262

15 40 U 6.3
No br. comp s.

Plate 7632

13 42/26 U 6.9
No br. comp s.

Plate 7672

19 58 U 9.0
b 7.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov. 22, 1895

Measures of U (either) and fainter of two comp stars. (5th images 4th set)

Plate 7676

15 24 U 6.7
b 7.7

Plate 7923

18 36 U 8.0
c 8.6

Plate 8048

13 45 U 10.0
No fainter comp.s.

Plate 8049

16 05 U 8.2
c 9.7

Plate 8050

18 02
17 ~~62~~ U 7.5
b 8.5

Plate 8106

13 59 U ~~8.7~~ 10.1
No fainter comp s.

Plate 8107

16 05 U 6.5
b 7.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 22, 1895

Measures of U Cephei and fainter of two comp. stars. (5th image 4th set)

Plate 8110

17 05 U 6.8
b 7.9

Plate 8211

13 55 U 7.8
b 8.0

Plate 8212

16 14 U 7.2
b 8.2

Plate 8261

13 35 U 7.1
b 7.7

Plate 8262

15 50 U 6.5
b 7.5

4th image 8th

Plate 7632

13 ~~43~~ U 6.8
b 7.7

4th image

Plate 7672

20 04 U 6.5
No fainter comps.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of U Cephei and brighter of two comp stars. (5th image 5th set)

Plate 7676

15 34? U 7.3
a 6.6

Plate 7923

18 46 U 7.8
b 7.5

Plate 8048

13 55 U 10.0
c 9.6

Plate 8049

16 15 U 8.2
a 7.5

Plate 8050

18 12 U 7.5
Sto br. comp. s.

Plate 8106

14 09 U 9.9
c 9.7

Plate 8107

16 15 U 6.7
a 6.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Aug 27, 1895

Measures of U Ophei and brighter of two comp. stars. (5th magr 5th set)

Plate 8110

17 15 U 7.0
No br. comp. s.

Plate 8211

14 05 U 7.9
a 7.3

Plate 8212

16 24 U 7.5
No. br. comp. s.

Plate 8261

13 45 U 7.2
a 6.8

Plate 8262

16 00 U 6.5
No br. comp. s.

4th magr Plate 7632

13 54 U 7.0
No br comp. s.

Plate 7672

20 10 U 9.3
b 7.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895.

Measures of U Cephei and fainter of two comp. stars. (5th image 6th set)

Plate 7676

15 44 U 7.2
b 8.0
a 6.7

Plate 7923

18 56 U 7.7
c 8.7

Plate 8048

14 28 U 10.0
No fainter comp.s.

Plate 8049

16 25 U 8.2
c 9.7

Plate 8050

18 22 U 7.5
b 8.5

Plate 8106

14 19 U 9.7
no fainter comp. stars.

Plate 8107

16 $\frac{2}{3}$5 U 6.5
b 7.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phae.proj.966L

Nov 27, 1895

Measures of U Ophiuci and Lamber of two comp.d stars. (5th image 6th set)

Plate 8110

17 25 U 6.9
b 8.0

Plate 8211

14 15 U 7.7
b 8.5

Plate 8212

16 34 U 7.5
b 8.3

Plate 8261

13 55 U 6.7
b 7.8

Plate 8262

16 10 U 6.3
b 7.5

Plate 7632

14 00 U 6.9
b 7.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of U Cephei and brightest of two comp. stars. (5th image 7th set)

Plate 7923

19 06 U 7.5 14
a 6.5

Plate 8048

14 38 U 10.0 16
a 9.6

Plate 8049

16 50? U 8.0 14
a 7.7

Plate 8050

18 32 U 7.3 16
No br. comp. S.

Plate 8106

14 29 U 9.8 14
b 8.8

Plate 8107

16 35 U 6.5
No br. comp. S.

Plate 8110

17 35 U 6.7
No br. comp. S.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..966L

Nov 27, 1895

Measures of U Cephei and brightest of two comp. stars. (5th image 7th set)

Plate 8211

14 25 U 7.7
a 7.5

Plate 8212

16 44 U 7.5
No br comp S.

Plate 8261

14 05 U 6.7
a 6.5

Plate 8262

16 20 U 6.3
No br. comp S.

Plates 7632

14 06 U 6.9
No br comp S.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of U Cephei and faint of two comp stars. (5th image 8th set)

Plate 8048

14 48 U 10.0

No faint comp s.

Plate 8049

17 00 U 7.8
b 8.7

Plate 8050

18 42 U 7.5
b 8.7

Plate 8106

14 39 U 9.7

No faint comp s.

Plate 8107

16 $\overset{4}{55}$ U 6.5
b 7.7

Plate 8110

17 45 U 6.5
b 7.7

Plate 8211

14 35 U 7.8
b 8.3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj.968L

Nov 27, 1895

Measures of U Lephei and fainter of two comp Stars. (5th mag & 8th mag)

Plate 8212

16 54 U 7.3
b 8.3

Plate 8261

14 15 U 6.5
b 7.7

Plate 8262

16 30 U 6.3
b 7.7

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of U Cephei and brighter of two comp stars. (5th image 9th set)

Plate 8048

14 58 U 10.0
c 9.7

Plate 8049

17 10 U 7.8
a 7.5

Plate 8050

18 52 U 7.2
No br. comp s.

Plate 8107

17 0 U 6.2
No br. comp s.

Plate 8110

17 55 U 6.5
No br. comp. s.

Plate 8211

14 45 U 7.8
a 7.5

Plate 8212

17 04 U 7.5
No br comp s.

Plate 8261

14 25 U 6.5
No br. comps.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of U Cephei and brighter of two comp. stars. (5th image 9th set)

Plate 8262

16 40 U 6.5

No br. comps.

Measures of U Cephei and fainter of two comp. stars 5th image 10th set

Plate 8050

19 02 U 7.2

b 8.5

Plate 8107

17 10 * U 5.5

* b 6.2

Plate 8110

18 05 U 6.8

b 8.0

Plate 8211

14 55 U 7.7

b 8.5

Plate 8212

17 14 U 7.7

b 8.5

Plate 8261

14 35 U 6.5

b 8.0

Plate 8262

16 50 U 6.3

a 6.5

* Clock running irregularly - this image had a longer ex.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Nov 27, 1895

Measures of α Cephei and brightness of two comp. stars. (5th image 11th set.)

Plate 8050

19 12 α 7.2
No br. c.s

Plate 8107

17 21 α 6.2
No br. c.s

Plate 8110

18 45 α 6.7
No br. c.s

Plate 8211

15 45 α 7.8
No br c.s.

Plate 8261

14 45 α 6.3
No br c.s.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968l

Nov 27. 1895

Measures of μ Delphini and family of two comp stars. (5 images 12 sets)

Plate 8050

19 22 u 7.2
b 8.7

Plate 8110

18 25 u 7.0
b 8.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 9, 1895

Measures of U Cephei and brighter of two comparison stars. (Upper image 1st set of 10)

Plate 8371

16 46 U 7.6

No br. comp stars.

Plate 8404

11 03 U 6.8

a 6.5

Plate 8418

15 31 * U

Plate 7844

14 29 U 10.1

c 9.7

* 1st image had a longer ep- could not measure

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 9, 1895

Measures of U Lephei and faintest of two comp. stars. (Upper image 2d. set of ten)

Plate 7844

14 39 U 10.1
d 9.6 Doubt.

Plate 8371

16 56 U 7.6
b 8.0

Plate 8404

11 13 U 6.9
b 7.6

Plate 8418

U 7.2
b 7.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

90

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1895phae.proj..968L

Measures of Mr Bailey's variable in Cluster
5 M. Libræ Variable No 10. Dec. 26, 1895

X6786

13.31
✓ ~~13.3~~ f 2 v ~~13.5~~ ~~13.4~~ = ~~13.45~~ .05 .05.
13.45
~~13.4~~ v 2 g ~~13.6~~
13.51 13.45 = 13.48 .03 .03
13.65

X6784

14.53
✓ 14.5 m = .1 < 14.63
v N.S. < 14.6

X6806

14.53
✓ ~~14.5~~ m = .1 < 14.63
v N.S ~~< 14.6~~

X6838

13.31
✓ ~~13.3~~ f 3 v ~~13.6~~ 13.5 = 13.55 ~~.05~~ .05
13.55
13.5 v 1 g ~~13.6~~
13.61 13.55 = 13.58 .03 .03
13.65

X6877

13.65
✓ ~~13.6~~ g 1 v ~~13.7~~ ~~13.8~~ = 13.75 .05 .05
13.77
~~13.8~~ v 2 h ~~14.0~~
13.75 13.77 = 13.76 .01 .01
13.97

X6836

13.97
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.1~~ = 14.10 .00 .00
14.15
14.1 v 1 l ~~14.2~~
14.07 14.15 = 14.~~20~~ 11 .04 .04
14.25

X6829

13.97
✓ ~~14.0~~ h 2 v ~~14.2~~ ~~14.1~~ = 14.15 ~~.05~~ .05
14.12
~~14.1~~ v 2 l ~~14.2~~
14.17 14.12 = 14.14 15 .01 .03 16 .01 .02
14.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

92

Dec 26, 1895

Variable No 10 (cont)

X6821

13.97 14.17 14.25 = 14.21 .04 .04
14.0 h 2 v 14.2 14.2 = 14.20 00 00
14.25 14.25
✓ 14.2 v o l 14.2

X6816

14.79 14.89 14.99 = 14.94 .05 .05
✓ 14.8 m 1 v 14.9 15.0 = 14.95 05 05
14.99 14.99
15.0 v o o 15.0

X6814

14.53 14.63 14.59 = 14.61 .02 .02
14.6 6 00 00
✓ 14.5 m 1 v 14.6 15.8 = 14.80 20 20
14.59 14.6 14.79
15.8 v 2 n 14.8

X6813

13.97 14.27 14.25 = 14.26 .01 .01
✓ 14.0 h 3 v 14.3 14.2 = 14.25 05 05
14.25 14.25
14.2 v o l 14.2

X7007

14.53 14.63 14.79 = 14.71 .08 .08
14.5 m 1 v 14.6 14.8 = 14.70 10 10
✓ 14.79 14.79
14.8 v o n 14.8

X7009

13.31 13.61 13.45 = 13.53 .08 .08
✓ 13.3 f 3 v 13.6 13.4 = 13.50 10 10
13.45 13.65
13.4 v 2 g 13.6

X6785

13.65 13.95 13.77 = 13.86 09 .09
✓ 13.6 g 3 v 13.9 13.8 = 13.85 05 05
13.77 13.87
13.8 v 2 h 14.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 26, 1895

Variable No. 10 (cont)

X 7008

13.97 ✓ 14.0 h 2 v 14.2 — .17 — 14.05 = 14.11 .06 .06
14.05 14.0 v 2 l 14.25 14.2 — 14.0 = 14.10 10 10

X 7010

13.65 ✓ 13.6 g 2 v 13.8 — 13.85 — 13.67 = 13.76 .09 .09
13.67 13.7 v 3 h 13.97 14.0 — 13.7 = 13.75 05 05

X 7018

14.25 ✓ 14.2 l 2 v 14.4 — 14.45 — 14.43 = 14.44 .01 .01
14.43 14.4 v 1 m 14.53 14.5 — 14.4 = 14.40 00 00

X 7020

13.97 ✓ 14.0 h - .1 < 14.07
v N.S < 14.1

X 7036

13.65 ✓ 13.6 g 1 v 13.7 — 13.75 — 13.67 = 13.71 .04 .04
13.67 13.7 v 3 h 13.97 14.0 — 13.7 = 13.70 00 00

X 7038

13.97 ✓ 14.0 h 1 v 14.1 — 14.07 — 14.05 = 14.06 .01 .01
14.05 14.0 v 2 l 14.25 14.2 — 14.0 = 14.05 05 05

X 7043

13.65 ✓ 13.6 g 2 v 13.8 — 13.85 — 13.77 = 13.81 .04 .04
13.77 13.8 v 2 h 13.97 14.0 — 13.8 = 13.80 00 00

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 26, 1895

Variable No. 10 (cont)

X6956

14.25		14.35	14.43 =	14.39	.04	.04
✓ 14.2	l 1 v	14.3	14.4 =	14.35	05	05
14.43		14.53				
14.4	v 1 m	14.5				

X6956

14.25		14.35	14.43 =	14.39	.04	.04
✓ 14.2	l 1 v	14.3	14.4 =	14.35	05	05
14.43		14.53				
14.4	v 1 m	14.5				

X6960

14.53		14.73	14.59 =	14.66	.07	.07
✓ 14.5	m 2 v	14.7	14.6 =	14.65	05	05
14.59		14.79				
14.6	v 2 n	14.8				

X6974

14.53		14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v	14.6	14.6 =	14.60	00	00
14.59		14.79				
14.6	v 2 n	14.8				

X6981

14.25		14.35	14.33 =	14.34	.01	.01
✓ 14.2	l 1 v	14.3	14.3 =	14.30	00	00
14.33		14.53				
14.3	v 2 m	14.5				

X6991

13.97		14.07	14.05 =	14.06	.01	.01
✓ 14.0	h 1 v	14.1	14.0 =	14.05	05	05
14.05		14.25				
14.0	v 2 l	14.2				

X7000

13.65		13.95	13.87 =	13.91	.04	.04
✓ 13.6	g 3 v	13.9	13.9 =	13.90	00	00
13.87		13.94				
13.9	v 1 h	14.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Variable No 10 (cont)

X6805

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.7~~ = ~~14.70~~ ~~00~~ ~~00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X6637

13.65 13.85 13.87 = 13.86 .01 .01
✓ ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~05~~ ~~05~~
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

X6817

13.97 14.07 14.15 = 14.11 .04 .04
✓ ~~14.0~~ h 1 r ~~14.1~~ ~~14.1~~ = ~~14.10~~ ~~00~~ ~~00~~
14.15 14.25
~~14.1~~ r 1 l ~~14.2~~

X6816

14.53 ~~m~~
✓ ~~14.5~~ ~~X~~ 1 r ~~14.6~~ 14.69 = 14.66 .03 .03 ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.69 ~~m~~ 14.79
~~14.7~~ r 1 ~~m~~ ~~14.8~~

X6763

14.53 14.73 14.59 = 14.66 .07 .07
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.6~~ = ~~14.65~~ ~~05~~ ~~05~~
14.59 14.79
~~14.6~~ v 2 n ~~14.8~~

X1690 (4x5)

13.97
✓ ~~14.0~~ h = .1 < 14.07
v N.S ~~< 14.1~~

X1530 (4x5) 13.85 13.87 = 13.86 .01 .01

13.65
✓ ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~05~~ ~~05~~
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

X1486 (4x5) 13.75 13.87 = 13.81 .06 .06

13.65
✓ ~~13.6~~ g 1 v ~~13.7~~ ~~13.9~~ = ~~13.80~~ ~~10~~ ~~10~~
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 27, 1895

Variable No. 10 (cont)

X 1482
14.25
✓ ~~14.2~~ l = .1 < 14.35
v N S ~~< 14.3~~

X 1444
14.25
✓ ~~14.2~~ l = .1 < 14.35
v N S ~~< 14.3~~

X 1421
14.25
✓ ~~14.2~~ l = .1 < 14.35
v N S ~~< 14.3~~

✓ X 1428
Plate too poor.

✓ X 1553
Plate too poor.

X 1586
13.65
✓ ~~13.6~~ g 1 v ~~13.7 13.8 = 13.75~~ .05 .05
13.77
~~13.8~~ v 2 h 13.97 ~~14.0~~
13.75 13.77 = 13.76 .01 .01

X 1728
13.65
✓ ~~13.6~~ g 2 v ~~13.8 13.9 13.85~~ .05 .05
13.87
~~13.9~~ v 1 h 13.97 ~~14.0~~
13.85 13.87 = 13.86 .01 .01

X 1749
13.97
✓ ~~14.0~~ h = .1 < 14.07
v N S ~~< 14.1~~

✓ X 1941
14.25 14.35 14.43 = 14.39 .04 .04
14.2 l 1 v 14.3 14.4 = 14.35 .05 .05
14.43 14.43
14.4 v 1 m 14.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 27, 1895

Measures of Mr. Bailey's variable in M 5—

Variable No. 1

X6763

13.31 13.61 13.45 = 13.53 .08 .08
✓ ~~13.3~~ f 3 v ~~13.6 13.4 = 13.50 10 10~~
13.45 13.65
~~13.4~~ v 2 g ~~13.6~~

X6786

~~14.53~~ 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6815

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6816

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6817

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6637

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6805

14.25 14.35 14.43 = 14.39 .04 .04
✓ ~~14.2~~ l 1 v ~~14.3 14.4 14.35 05 05~~
14.43 14.53
~~14.4~~ v 1 m ~~14.5~~

4.04
5.05

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 27, 1895

Variable No. 1 (cont)

X 7000

✓	13.97 14.0	h 2 v	14.17 14.2	14.15 14.1 = 14.15	14.16 05	.01 .05
	14.15 14.1	v 1 l	14.25 14.2			

X 6991

✓	13.97 14.0	h 1 v	14.07 14.1	14.05 14.0 = 14.05	14.06 05	.01 .05
	14.05 14.0	v 2 l	14.25 14.2			

X 6981

✓	13.97 14.0	h 1 v	14.07 14.1	14.15 14.1 = 14.10	14.11 00	.04 .00
	14.15 14.1	v 1 l	14.25 14.2			

X 6974

✓	14.53 14.5	m 1 v	14.63 14.6	14.59 14.6 = 14.60	14.61 00	.02 .00
	14.59 14.6	v 2 w	14.79 14.8			

X 6960

✓	14.53 14.5	m 1 v	14.63 14.6	14.69 14.7 = 14.65	14.66 05	.03 .05
	14.69 14.7	v 1 w	14.79 14.8			

X 6958

✓	14.53 14.5	m 1 v	14.63 14.6	14.59 14.6 = 14.60	14.61 00	.02 .00
	14.59 14.6	v 2 w	14.79 14.8			

X 6956

✓	14.53 14.5	m 1 v	14.63 14.6	14.69 14.7 = 14.65	14.66 05	.03 .05
	14.69 14.7	v 1 w	14.79 14.8			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 27, 1895

Variable No. 1 (cont)

X 7043

13.97 14.07 14.05 = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1 14.0 = 14.05 05 05~~
14.05 14.25
~~14.0~~ v 2 l ~~14.2~~

X 7038

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X 7036

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

✓ X 7020

var. No. 5

X 7018

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X 7010

13.65 13.85 13.77 = 13.81 .04 .04
✓ ~~13.6~~ g 2 v ~~13.8 13.8 = 13.80 00 00~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X 7008

13.97 14.07 14.05 = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1 14.0 = 14.05 05 05~~
14.05 14.25
~~14.0~~ v 2 l ~~14.2~~

X 6785

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

100

Dec. 27, 1895

Variable No. 1 (cont)

X7009

✓ 13.31 3 13.61 13.45 = 13.53 .08 .08
~~13.3~~ g ~~2~~ v ~~13.6~~ ~~13.4~~ = 13.50 10 10
13.45 13.65
~~13.4~~ v 2 g ~~13.6~~

X7007

✓ 14.53 14.63 14.69 = 14.66 .03 .03
~~14.5~~ m 1 v ~~14.6~~ ~~14.7~~ = 14.65 05 05
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6813

13.65 13.85 13.87 = 13.86 .01 .01
✓ ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = 13.85 05 05
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

X6814

13.97 14.07 14.05 = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.0~~ = 14.05 05 05
14.05 14.25
~~14.0~~ v 2 l ~~14.2~~

X6821

✓ 13.97 14.07 14.15 = 14.11 .04 .04
~~14.0~~ h 1 v ~~14.1~~ ~~14.1~~ = 14.10 00 00
14.15 14.25
~~14.1~~ v 1 l. ~~14.2~~

X6829

13.97 14.07 14.05 = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.0~~ = 14.05 05 05
14.05 14.25
~~14.0~~ v 2 l ~~14.2~~

X6836

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.7~~ = 14.70 00 00
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 27, 1895

Variable No 1. (cont)

X 6877

13.65 13.95 13.77 = 13.86 .09 .09
✓ ~~13.6~~ g 3 v ~~13.9~~ ~~13.8~~ = ~~13.85~~ 05 05
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X 6838

13.31 13.51 13.45 = 13.48 .03 .03
✓ ~~13.3~~ f 2 v ~~13.5~~ ~~13.4~~ = ~~13.45~~ 05 05
13.45 13.65
~~13.4~~ v 2 g ~~13.6~~

X 6806

14.25 14.35 14.43 = 14.39 .04 .04
✓ ~~14.2~~ l 1 v ~~14.3~~ ~~14.4~~ = ~~14.35~~ 05 05
14.43 14.53
~~14.4~~ v 1 m ~~14.5~~

X 6784

13.97 14.07 14.15 = 14.11 .04 .04
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.1~~ = ~~14.10~~ 00 00
14.15 14.25
~~14.1~~ v 1 l. ~~14.2~~

✓ X 1941 (4 x 5)
Var. N 8

X 1749
✓ Var. N 8

X 1728

14.25 14.35 14.43 = 14.39 .04 .04
✓ ~~14.2~~ l 1 v ~~14.3~~ ~~14.4~~ = ~~14.35~~ 05 05
14.43 14.53
~~14.4~~ v 1 m ~~14.5~~

X 1586

14.79 14.89 14.89 = 14.89 .00 .00
✓ ~~14.8~~ n 1 v ~~14.9~~ ~~14.9~~ = 14.90 00 00
14.89 14.99
~~14.9~~ v 1 0 ~~15.0~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 27, 1895

Variable No. 1 (cont)

X 1553
✓ var. N.S

X 1428
✓ var N.S

X 1421
✓ var N.S

X 1444

13.65 13.85 13.87 = 13.86 .01 .01
✓ ~~13.6~~ g 2 v ~~13.8 13.9 = 13.85 05 05~~
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

✓ X 1482
var N.S

X 1486

13.65 13.75 13.87 = 13.81 .06 .06
✓ ~~13.6~~ g 1 v ~~13.7 13.9 = 13.80 10 10~~
13.87 13.97
~~13.9~~ v 1 h ~~14.0~~

X 1536

13.97 14.07 14.15 = 14.11 .04 .04
✓ ~~14.0~~ h 1 v ~~14.1 14.1 = 14.10 00 00~~
14.15 14.25
~~14.1~~ v 1 l ~~14.2~~

X 1690
✓ var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phae.proj.966L

Dec. 30, 1895

Measures of Mr Baily's variable in M 5 —
Variable No. 41

X6763

13.65 ~~13.6~~ g 3 v 13.95 13.77 = 13.86 .09 .09
~~13.9~~ ~~13.8~~ = ~~13.85~~ ~~.05~~ ~~.05~~
13.77 ~~13.8~~ v 2 h 13.97 ~~14.0~~

X6784
var. N.S

X6806
var N.S ?

X6838

13.97 ~~14.0~~ h 1 v 14.07 14.05 = 14.06 .01 .01
~~14.1~~ ~~14.0~~ = ~~14.05~~ ~~.05~~ ~~.05~~
14.05 ~~14.0~~ v 2 l 14.25 ~~14.2~~

X6877

14.25 ~~14.2~~ l 2 v 14.45 14.43 = 14.44 .01 .01
~~14.4~~ ~~14.4~~ = ~~14.40~~ ~~.00~~ ~~.00~~
14.43 ~~14.4~~ v 1 m 14.53 ~~14.5~~

X6836

14.53 ~~14.5~~ m 2 v 14.73 14.59 = 14.66 .07 .07
~~14.7~~ ~~14.6~~ = ~~14.65~~ ~~.05~~ ~~.05~~
14.59 ~~14.6~~ v 2 m 14.79 ~~14.8~~

X6829

14.79 ~~14.8~~ m 1 v 14.89 14.79 = 14.84 .05 .05
~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~.05~~ ~~.05~~
14.79 ~~14.8~~ v 2 0 14.99 ~~15.0~~

X6821

14.53 ~~14.5~~ m 2 v 14.73 14.69 = 14.71 .02 .02
~~14.7~~ ~~14.7~~ = ~~14.70~~ ~~.00~~ ~~.00~~
14.69 ~~14.7~~ v 1 m 14.49 ~~14.5~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9001

Dec 30, 1895

Variable No 41. (cont)

X 6814

✓	14.53		14.73	14.59 =	14.66	.07 .07
	~~14.5~~	m 2 v	~~14.7~~	~~14.6 =~~	~~14.65~~	~~.05~~ ~~.05~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X 6813

	14.53		14.73	14.59 =	14.66	.07 .07
✓	~~14.5~~	m 2 v	~~14.7~~	~~14.6 =~~	~~14.65~~	~~.05~~ ~~.05~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X 7007

✓	14.25		14.35	14.33 =	14.34	.01 .01
	~~14.2~~	l 1 v	~~14.3~~	~~14.3 =~~	~~14.30~~	~~.00~~ ~~.00~~
	14.33		14.53			
	~~14.3~~	v 2 m	~~14.5~~			

X 7009

	14.79		14.89	14.79 =	14.84	.05 .05
✓	~~14.8~~	m 1 v	~~14.9~~	~~14.8 =~~	~~14.85~~	~~.05~~ ~~.05~~
	14.79		14.99			
	~~14.8~~	v 2 o	~~15.0~~			

X 6785

✓	14.53		14.63	14.49 =	14.56	.07 .07
	~~14.5~~	m 1 v	~~14.6~~	~~14.5 =~~	~~14.55~~	~~.05~~ ~~.05~~
	14.49		14.79			
	~~14.5~~	v 3 w	~~14.8~~			

X 7008

	14.53		14.63	14.59 =	14.61	.02 .02
✓	~~14.5~~	m 1 v	~~14.6~~	~~14.6 =~~	~~14.60~~	~~.00~~ ~~.00~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X 7010

	14.53		14.63	14.69 =	14.66	.03 .03
✓	~~14.5~~	m 1 v	~~14.6~~	~~14.7 =~~	~~14.65~~	~~.05~~ ~~.05~~
	14.69		14.79			
	~~14.7~~	v 1 w	~~14.8~~			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj.:968L

Dec. 30, 1895

Variable No. 41

X 7018

15.25 15.35
~~15.2~~ p 1 v ~~15.3~~
g N.S

X 7020
var. N.S

X 7036
var N.S

X 7038
var N.S

X 7043

14.79 14.89 14.79 = 14.84 .05 .05
~~14.8~~ n 1 v ~~14.9~~ 14.8 = ~~14.85~~ ~~.05~~ ~~.05~~
14.79 14.99
~~14.8~~ v 2 o ~~15.0~~

X 6956

13.65 13.85 13.77 = ~~13.81~~ .04 .04
~~13.6~~ g 2 v ~~13.8~~ 13.8 = 13.80 00 00
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X 6958

13.65 13.85 13.77 = ~~13.81~~ .04 .04
~~13.6~~ g 2 v ~~13.8~~ 13.8 = ~~13.80~~ 00 00
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X 6960

14.53 14.63 14.59 = 14.61 .02 .02
~~14.5~~ m 1 v ~~14.6~~ 14.6 = 14.60 00 00
14.59 14.79
~~14.6~~ v 2 n ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 30, 1895

Variable No 41 (cont)

X6974

✓ 14.53 ~~14.5~~ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6~~ ~~14.6~~ = ~~14.60~~ ~~00~~ ~~00~~
14.59 ~~14.6~~ v 2 w 14.79 ~~14.8~~

X6981

✓ 14.53 ~~14.5~~ m 2 v 14.73 14.59 = 14.66 .07 .07
~~14.7~~ ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.59 ~~14.6~~ v 2 w 14.79 ~~14.8~~

X6991

✓ 14.53 ~~14.5~~ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6~~ ~~14.6~~ = ~~14.60~~ ~~00~~ ~~00~~
14.59 ~~14.6~~ v 2 w 14.79 ~~14.8~~

X7000

14.53 ✓ ~~14.5~~ m 1 v 14.63 14.69 = 14.66 .03 .03
~~14.6~~ ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.69 ~~14.7~~ v 1 w 14.79 ~~14.8~~

X6805

✓ 14.53 ~~14.5~~ m 2 v 14.73 14.59 = ✓ 14.66 .07 .07
~~14.7~~ ~~14.7~~ = 14.65 05 05
14.59 ~~14.6~~ v 2 w 14.79 ~~14.8~~

X6637

✓ 13.97 ~~14.0~~ h 1 v 14.07 14.15 = 14.11 .04 04
~~14.1~~ ~~14.1~~ = ~~14.10~~ 00 00
14.15 ~~14.1~~ v 1 l. 14.25 ~~14.2~~

X6817

14.25 ✓ ~~14.2~~ l 1 v 14.35 14.43 = 14.39 .04 .04
~~14.3~~ ~~14.4~~ = ~~14.35~~ ~~05~~ ~~05~~
14.43 ~~14.4~~ v 1 w 14.53 ~~14.5~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 30, 1895

Variable No 41 (cont)

X6816

14.53 14.5 m 1 v 14.69 14.7 v 1 w 14.79 14.8

14.63 14.69 = 14.66 .03 .03

14.6 14.7 = 14.65 05 05

X6815

14.79 14.8 m 1 v 14.79 14.8 v 2 0 14.99 15.0

14.89 14.79 = 14.84 .05 .05

14.9 14.8 = 14.85 05 05

X6786

14.25 14.2 l 2 v 14.43 14.4 v 1 w 14.53 14.5

14.45 14.43 = 14.44 .01 .01

14.4 14.4 = 14.40 00 00

✓ X1690 (4x5)
var A.S

✓ X1530
var A.S

X1486

13.65 13.6 g 1 v 13.77 13.8 v 2 h 13.97 14.0

13.75 13.77 = 13.76 .01 .01

13.7 13.8 = 13.75 05 05

X1482

13.31 13.3 f 2 v 13.45 13.4 v 2 g 13.65 13.6

13.51 13.45 = 13.48 .03 .03

13.5 13.4 = 13.45 05 05

X1444
var A.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 30, 1895

Variable No. 41 (cont)

✓ X1421
var. N.S

X1428
✓ var N.S

✓ X1553
var N.S

X1586
✓ var N.S

✓ X1728
var N.S

✓ X1749
var N.S

X1941
13.97 ~~14.0~~ h i v 14.07 14.15 = 14.11 .04 .04
✓ ~~14.1~~ ~~14.1~~ = ~~14.10~~ ~~00~~ ~~00~~
1.4.15 ~~14.1~~ v i l 14.25 ~~14.2~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 30, 1895

Measures of Mr. Bailey's variable in M 5 —
Variable No. 22.

X6763

14.79 ✓ ~~14.8~~ m 1 v 14.89 14.79 = 14.84 .05 .05
~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~05~~ ~~05~~
14.79 ~~14.8~~ v 2 0 14.99 ~~15.0~~

X6786

14.53 ✓ ~~14.5~~ m 1 v 14.63 14.69 = 14.66 .03 .03
~~14.6~~ ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.69 ~~14.7~~ v 1 m 14.79 ~~14.8~~

X6815

✓ 14.53 ~~14.5~~ m 1 v 14.63 14.69 = 14.66 .03 .03
~~14.6~~ ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.69 ~~14.7~~ v 1 m 14.79 ~~14.8~~

✓ X6816
var N.S.

X6817

14.25 ✓ ~~14.2~~ l 2 v 14.45 14.43 = 14.44 .01 .01
~~14.4~~ ~~14.4~~ = ~~14.40~~ ~~00~~ ~~00~~
14.43 ~~14.4~~ v 1 m 14.53 ~~14.5~~

X6637

14.53 ✓ ~~14.5~~ m 1 v 14.63 14.69 = 14.66 .03 .03
~~14.6~~ ~~14.7~~ = ~~14.65~~ ~~05~~ ~~05~~
14.69 ~~14.7~~ v 1 m 14.79 ~~14.8~~

X6805

14.53 ✓ ~~14.5~~ m 2 v 14.73 14.69 = 14.71 .02 .02
~~14.7~~ ~~14.7~~ = ~~14.70~~ ~~00~~ ~~00~~
14.69 ~~14.7~~ v 1 m 14.79 ~~14.8~~

X7000

✓ 14.53 ~~14.5~~ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6~~ ~~14.6~~ = ~~14.60~~ ~~00~~ ~~00~~
14.59 ~~14.6~~ v 2 m 14.79 ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 30, 1895

Variable No 22 (cont)

X6991

✓	14.53	m 1 v	14.63	14.59 = 14.61	.02	.02
	~~14.5~~		~~14.6~~	~~14.6 = 14.60~~	~~00~~	~~00~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X6981

✓	14.53	m 1 v	14.63	14.59 = 14.61	.02	.02
	~~14.5~~		~~14.6~~	~~14.6 = 14.60~~	~~00~~	~~00~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X6974

✓	14.53	m 1 v	14.63	14.59 = 14.61	.02	.02
	~~14.5~~		~~14.6~~	~~14.6 = 14.60~~	~~00~~	~~00~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X6960

✓	14.53	m 2 v	14.73	14.59 = 14.66	.07	.07
	~~14.5~~		~~14.7~~	~~14.6 = 14.65~~	~~05~~	~~05~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X6958

✓	14.53	m 2 v	14.73	14.59 = 14.66	.07	.07
	~~14.5~~		~~14.7~~	~~14.6 = 14.65~~	~~05~~	~~05~~
	14.59		14.79			
	~~14.6~~	v 2 w	~~14.8~~			

X6956

✓	14.53	m 1 v	14.63	14.69 = 14.66	.03	.03
	~~14.5~~		~~14.6~~	~~14.7 = 14.65~~	~~05~~	~~05~~
	14.69		14.79			
	~~14.7~~	v 1 w	~~14.8~~			

X7043

✓	14.79	m 1 v	14.89	14.89 = 14.89	.00	.00
	~~14.5~~		~~14.9~~	~~14.9 = 14.90~~	~~00~~	~~00~~
	14.89		14.99			
	~~14.9~~	v 1 0	~~15.0~~			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 30, 1895

Variable No. 22 (cont)

X 7038
var N.S'

X 7036
var N.S'

X 7020
var N.S'

X 7018

14.79 ~~14.8~~ m 1 v 14.89 ~~14.8~~ 14.99 ~~15.0~~ = 14.94 .05 .05
14.99 ~~15.0~~ v 0 0 14.99 ~~15.0~~

X 7010

14.79 ~~14.8~~ m 1 v 14.89 ~~14.9~~ 14.79 ~~14.8~~ = 14.84 .05 .05
14.79 ~~14.8~~ v 2 0 14.99 ~~15.0~~

X 7008

14.53 ~~14.5~~ m 2 v 14.73 ~~14.7~~ 14.59 ~~14.6~~ = 14.66 .07 .07
14.59 ~~14.6~~ v 2 m 14.79 ~~14.8~~

X 6785

14.99 ~~15.0~~ 0 1 v 15.09 ~~15.1~~ 15.15 ~~15.1~~ = 15.12 .03 .03
15.15 ~~15.1~~ v 1 p 15.25 ~~15.2~~

X 7009

14.53 ~~14.5~~ m 2 v 14.73 ~~14.7~~ 14.69 ~~14.7~~ = 14.71 .02 .02
14.69 ~~14.7~~ v 1 0 n 14.79 ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec. 30, 1895

Variable No. 22 (cont)

X7007

14.79 m 1 v 14.89 14.89 = 14.89 .00 .00
~~14.8~~ ~~14.9 14.9 = 14.90 00 00~~
14.89 v 1 0 14.99
~~14.9~~ ~~15.0~~

X6813

14.53 m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.5~~ ~~14.6 14.6 = 14.60 00 00~~
14.59 v 2 w 14.79
~~14.6~~ ~~14.8~~

X6814

14.53 m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.5~~ ~~14.6 14.6 = 14.60 00 00~~
14.59 v 2 w 14.79
~~14.6~~ ~~14.8~~

X6821

14.53 m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.5~~ ~~14.6 14.6 = 14.60 00 00~~
14.59 v 2 w 14.79
~~14.6~~ ~~14.8~~

X6829

14.53 m 2 v 14.73 14.59 = 14.66 .07 .07
~~14.5~~ ~~14.7 14.6 = 14.65 05 05~~
14.59 v 2 w 14.79
~~14.6~~ ~~14.8~~

X6836

14.53 m 2 v 14.73 14.69 = 14.71 .02 .02
~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 v 1 w 14.79
~~14.7~~ ~~14.8~~

X6837
var ?.?

X6838

14.53 m 2 v 14.73 14.69 = 14.71 .02 .02
~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 v 1 w 14.79
~~14.7~~ ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 30, 1895

Variable No 22 (cont)

X6806
var N.S

X6784
var N.S

X1941 (4×5)
var N.S

X1749
var N.S

X1728
var N.S

X1586
var N.S

X1553
var N.S

X1428
var N.S

X1421
var N.S.

X1444
var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Dec 30, 1895

Variable No 22 (cont)

✓ X1690
Var N.S

✓ X1530
Var N.S

✓ X1486
Var N.S

✓ X1482
Var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Dec 31, 1895

Variable No. 2 (5 K)

X6813

14.53 m 2 v 14.73 14.59 = 14.66 .07 .07
✓ ~~14.5~~ ~~14.7 14.6 = 14.65 05 05~~
14.59 14.79
~~14.6~~ v 2 m ~~14.8~~

X6814

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6815

14.53 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6816

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6817

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X7007

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X7008

14.53 14.83 14.59 = 14.71 .12 .12
✓ ~~14.5~~ ~~14.8 14.6 = 14.70 10 12~~
14.59 14.79
~~14.6~~ v 2 m ~~14.8~~

X7009

14.53 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X7010

14.53 m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.5~~ ~~14.6 14.6 = 14.60 00 00~~
14.69 v 2 m 14.79
~~14.7~~ ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Dec 31, 1895

Variable No. 29 (M 5)

X 6813

✓ 14.53 14.5 m 2 v 14.73 14.59 = 14.66 .07 .07
14.59 14.6 v 2 m 14.7 14.6 = 14.65 05 05
14.79 14.8

X 6814

✓ 14.63 14.5 m 1 v 14.63 14.59 = 14.61 .02 .02
14.59 14.6 v 2 m 14.6 14.6 = 14.60 00 00
14.79 14.8

X 6815

✓ 14.63 14.5 m 2 v 14.73 14.59 14.66 .07 .07
14.59 14.6 v 2 m 14.7 14.7 = 14.65 05 05
14.79 14.8

X 6816

✓ 14.53 14.5 m 1 v 14.63 14.59 = 14.61 .02 .02
14.59 14.6 v 2 m 14.6 14.6 = 14.60 00 00
14.79 14.8

X 6817

✓ 14.28 14.21 l 1 v 14.38 14.33 = 14.34 .01 .01
14.33 14.3 v 2 m 14.3 14.3 = 14.30 00 00
14.53 14.5

X 7007

✓ 13.97 14.0 h 2 v 14.17 14.08 14.11 .06 .06
14.03 14.0 v 2 l 14.2 14.0 = 14.10 10 10
14.23 14.21

X 7008

✓ 13.63 13.6 g 3 v 13.98 13.77 = 13.86 .09 .09
13.77 13.8 v 2 h 13.9 13.8 = 13.85 05 05
13.97 14.0

X 7009

✓ 13.91 13.3 f 3 v 13.61 13.53 = 13.58 .03 .03
13.55 13.5 = 13.55 05 05
13.6 13.63
13.63 13.6 v 1 h 13.6 13.6 = 13.60 00 00
13.6 13.6

X 7010

✓ 13.63 13.6 g 2 v 13.80 13.77 = 13.81 .04 .04
13.8 13.8 = 13.80 00 00
13.97 14.0 v 2 h

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae..proj..9681

Dec 31, 1895

Variable No 23. (M 5)

X6813

✓	13.97	h	2	v	14.17	14.05 = 14.11	.06 .06
	~~14.0~~				~~14.2~~	~~14.0 = 14.10~~	~~10 10~~
	14.05				14.25		
	~~14.0~~	v	2	l	~~14.2~~		

X6814

✓	13.97	h	2	v	14.17	14.15 = 14.16	.01 .01
	~~14.0~~				~~14.2~~	~~14.1 = 14.15~~	~~05 05~~
	14.15				14.25		
	~~14.1~~	v	1	l	~~14.2~~		

X6815

✓	13.97	h	1	v	14.07	14.05 = 14.06	.01 .01
	~~14.0~~				~~14.1~~	~~14.0 = 14.05~~	~~05 05~~
	14.05				14.25		
	~~14.0~~	v	2	l	~~14.2~~		

X6816

✓	14.25	l	1	v	14.35	14.33 = 14.34	.01 .01
	~~14.2~~				~~14.3~~	~~14.3 = 14.30~~	~~00 00~~
	14.33				14.53		
	~~14.3~~	v	2	m	~~14.5~~		

X6817

✓	13.65	g	3	v	13.95	13.77 = 13.86	.09 .09
	~~13.6~~				~~13.9~~	~~13.8 = 13.85~~	~~05 05~~
	13.77				13.97		
	~~13.8~~	v	2	h	~~14.0~~		

X7007

✓	13.97	h	2	v	14.17	14.15 = 14.16	.01 .01
	~~14.0~~				~~14.2~~	~~14.1 = 14.15~~	~~05 05~~
	14.15				14.25		
	~~14.1~~	v	1	l	~~14.2~~		

X7008

✓	13.97	h	3	v	14.27	14.05	14.16 .11 .11
	~~14.0~~				~~14.3~~	~~14.0 = 14.15~~	~~15 15~~
	14.05				14.25		
	~~14.0~~	v	2	l	~~14.2~~		

X7009

✓	13.97	h	2	v	14.17	14.05 = 14.11	.06 .06
	~~14.0~~				~~14.2~~	~~14.0 = 14.10~~	~~10 10~~
	14.05				14.25		
	~~14.0~~	v	2	l	~~14.2~~		

X7010

✓	13.97	h	2	v	14.17	14.15 = 14.16	.01 .01
	~~14.0~~				~~14.2~~	~~14.1 = 14.15~~	~~05 05~~
	14.15				14.25		
	~~14.1~~	v	1	l	~~14.2~~		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

Dec 31, 1895

Variable No 20 (M 5)

X6813

14.25 14.2 14.33 14.3 — l 1 v — v 2 m

14.33 14.3 = 14.34 .01 .01

14.30 00 00

14.53 14.5

X6814

13.31 13.3 13.33 13.5 — f 3 v — v 1 g

13.61 13.6 13.65 13.6

13.55 13.5 = 13.58 .03 .03

13.55 05 05

X6815

13.65 13.6 13.67 13.7 — g 1 v — v 3 h

13.75 13.7 13.97 14.0

13.7 13.7 = 13.70 00 00

13.71 .04 .04

X6816

13.65 13.6 13.77 13.8 — g 1 v — v 2 h

13.78 13.7 13.97 14.0

13.7 13.8 = 13.75 05 05

13.76 .01 .01

X6817

13.65 13.6 13.67 13.7 — g 2 v — v 3 h

13.8 13.7 13.97 14.0

13.7 13.7 = 13.75 05 05

13.76 .09 .09

X7007

14.03 14.5 14.69 14.7 — m 2 v — v 1 w

14.73 14.7 14.79 14.8

14.7 14.7 = 14.70 00 00

14.71 .02 .02

X7008

13.65 13.6 13.77 13.8 — g 3 v — v 2 h

13.9 13.9 13.97 14.0

13.8 13.8 = 13.85 05 05

13.86 .09 .09

X7009

13.31 13.3 13.48 13.4 — f 3 v — v 2 g

13.61 13.6 13.63 13.6

13.4 13.4 = 13.53 10 10

13.53 .08 .08

X7010

13.6 13.6 13.63 13.8 — g 1 v — v 2 h

13.73 13.7 13.97 14.0

13.8 13.8 = 13.75 05 05

13.76 .01 .01

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 31, 1895

Variable No. 12 (M 5)

X 6813

✓ 14.83 14.73 14.49 = 14.61 .12 .12
~~14.5~~ m 2 v ~~14.7 14.5 = 14.60 10 10~~
14.49
~~14.5~~ v 3 m 14.79
~~14.8~~

6814

13.31
✓ ~~13.3~~ f 3 v 13.61 13.43 = 13.53 .08 .08
~~13.6 13.4 = 13.50 10 10~~
13.48
~~13.4~~ v 2 g 13.68
~~13.6~~

X 6815

13.68
✓ ~~13.6~~ g 2 v 13.88 13.77 = 13.81 .04 .04
~~13.8 13.8 = 13.80 00 00~~
13.77
~~13.8~~ v 2 h 13.97
~~14.0~~

X 6816

13.68
✓ ~~13.6~~ g 2 v 13.88 13.87 = 13.86 .01 .01
~~13.8 13.9 = 13.85 05 05~~
13.87
~~13.9~~ v 1 h 13.97
~~14.0~~

X 6817

14.23
✓ ~~14.2~~ l 1 v 14.38 14.33 = 14.34 .01 .01
~~14.3 14.3 = 14.30 00 00~~
14.33
~~14.3~~ v 2 m 14.53
~~14.5~~

X 7007

13.97
✓ ~~14.6~~ h 2 v 14.17 14.08 = 14.11 .06 .06
~~14.2 14.0 = 14.10 10 10~~
14.08
~~14.0~~ v 2 l 14.28
~~14.2~~

X 7008

14.28
✓ ~~14.2~~ l 2 v 14.40 14.43 = 14.44 .01 .01
~~14.4 14.4 = 14.40 00 00~~
14.43
~~14.4~~ v 1 m 14.53
~~14.5~~

X 7009

14.03
✓ ~~14.5~~ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6 14.6 = 14.60 00 00~~
14.69
~~14.6~~ v 2 m 14.79
~~14.8~~

X 7010

✓ 14.63 14.69 = 14.66 .03 .03
~~14.6 14.7 = 14.65 05 05~~
14.79
~~14.8~~

14.63
~~14.6~~ m 1 v
14.69 v 1 m

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Dec 31, 1895

Variable No 14 (M 5)

X 6813

13.97 / ~~14.0~~ h 2 v ~~14.2~~ 14.17 13.93 = 14.06 .11 .11
13.93 / ~~13.9~~ v 3 l ~~14.2~~ 14.23

X 6814

13.65 / ~~13.6~~ g 2 v ~~13.8~~ 13.83 13.67 = 13.76 .09 .09
13.67 / ~~13.7~~ v 3 h ~~14.0~~ 13.97

X 6815

13.65 / ~~13.6~~ g 2 v ~~13.8~~ 13.88 13.67 = 13.76 .09 .09
13.67 / ~~13.7~~ v 3 h ~~14.0~~ 13.97

X 6816

13.65 / ~~13.6~~ g 3 v ~~13.9~~ 13.93 13.77 = 13.86 .09 .09
13.77 / ~~13.8~~ v 2 h ~~14.0~~ 13.97

X 6817

13.97 / ~~14.0~~ h 1 v ~~14.1~~ 14.07 14.05 = 14.06 .01 .01
14.05 / ~~14.0~~ v 2 l ~~14.2~~ 14.23

X 7007

13.65 / ~~13.6~~ g 3 v ~~13.9~~ 13.93 13.77 = 13.86 .09 .09
13.77 / ~~13.8~~ v 2 h ~~14.0~~ 13.97

X 7008

13.65 / ~~13.6~~ g 2 v ~~13.8~~ 13.83 13.67 = 13.76 .09 .09
13.67 / ~~13.7~~ v 3 h ~~14.0~~ 13.97

X 7009

13.65 / ~~13.6~~ g 2 v ~~13.8~~ 13.83 13.67 = 13.76 .09 .09
13.67 / ~~13.7~~ v 3 h ~~14.0~~ 13.97

X 7010

13.65 / ~~13.6~~ g 3 v ~~13.9~~ 13.93 13.77 = 13.86 .09 .09
13.77 / ~~13.8~~ v 2 h ~~14.0~~ 13.97

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 11 (M 5)

X6813

14.8 3 — m 1 v — 14.63 14.49 = 14.56 .07 .07
✓ ~~14.5~~ — ~~14.6 14.5 = 14.55 05 05~~
14.49 — v 3 w — 14.79
~~14.6~~ — ~~14.8~~

X6814

14.2 5 — l 2 v — 14.45 14.43 = 14.44 .01 .01
✓ ~~14.2~~ — ~~14.4 14.4 = 14.40 00 00~~
14.43 — v 1 w — 14.8 3
~~14.4~~ — ~~14.5~~

X6815

14.8 3 — w 1 v — 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ — ~~14.6 14.7 = 14.65 05 05~~
14.69 — v 1 w — 14.79
~~14.7~~ — ~~14.8~~

X6816

14.8 3 — m 1 v — 14.63 14.8 9 = 14.61 .02 .02
✓ ~~14.5~~ — ~~14.6 14.6 = 14.60 00 00~~
14.8 9 — v 2 w — 14.79
~~14.6~~ — ~~14.8~~

X6817

14.2 5 — l 2 v — 14.45 14.43 = 14.44 .01 .01
✓ ~~14.2~~ — ~~14.4 14.4 = 14.40 00 00~~
14.43 — v 1 w — 14.8 3
~~14.4~~ — ~~14.5~~

X7007

14.8 3 — m 1 v — 14.63 14.8 9 = 14.61 .02 .02
✓ ~~14.5~~ — ~~14.6 14.6 = 14.60 00 00~~
14.8 9 — v 2 w — 14.79
~~14.6~~ — ~~14.8~~

X7008

13.6 5 — g 2 v — 13.83 13.67 = 13.76 .09 .09
✓ ~~13.6~~ — ~~13.8 13.7 = 13.75 05 05~~
13.67 — v 3 w — 13.97
~~13.7~~ — ~~14.0~~

✓ X7009

13.31 — f 2 v — 13.51 13.33 = 13.42 .09 .09
~~13.3~~ — ~~13.5 13.3 = 13.40 10 10~~
13.38 — v 3 g — 13.68
~~13.3~~ — ~~13.6~~

✓ X7010

~~13.6~~ 13.65 — g 1 v — 13.70 13.67 = 13.71 .04 .04
~~13.7~~ — ~~13.7 13.7 = 13.70 00 00~~
13.97 — v 3 w — 13.67
~~14.0~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 38 (M 5)

χ 6813

14.83 14.59 = 14.71 .12 .12
✓ 14.5 m 3 v 14.8 14.6 = 14.70 10 10
14.59 14.79
14.6 v 2 w 14.8

χ 6814

14.83 14.73 14.69 = 14.71 .02 .02
✓ 14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 w 14.8

χ 6815

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 n 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

χ 6816

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 n 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

Poor Plate χ 6817

14.25 14.33 14.33 = 14.34 .01 .01
✓ 14.2 l 1 v 14.3 14.3 = 14.30 00 00
14.33 14.83
14.3 v 2 m 14.5

χ 7007

14.33 14.33 14.33 = 14.34 .01 .01
✓ 14.2 l 1 v 14.3 14.3 = 14.30 00 00
14.33 14.33
14.3 v 2 m 14.5

χ 7008

14.83 14.73 14.59 = 14.76 .13 .18
✓ 14.5 m 2 v 14.7 14.6 = 14.65 05 05
14.59 14.79
14.6 v 2 m 14.8

χ 7009

14.83 14.73 14.69 = 14.71 .02 .02
✓ 14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 m 14.8

χ 7010

14.89 14.79 = 14.84 .05 .05
14.9 14.8 = 14.85 05 05
14.99
15.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 33 (M 5)

χ6813

13.65 13.6 g 3 v 13.77 13.8 — 13.9δ 13.77 = 13.86 .09 .09 — 13.9 13.8 = 13.85 05 05

13.77 13.8 v 2 h 13.97 14.0

χ6814

13.97 14.0 h 2 v 14.05 14.0 — 14.17 14.05 = 14.11 .06 .06 — 14.2 14.0 = 14.10 10 10

14.05 14.0 v 2 l 14.2δ 14.2

χ6815

14.2δ 14.2 l 2 v 14.43 14.4 — 14.4δ 14.43 = 14.44 .01 .01 — 14.4 14.4 = 14.40 00 00

14.43 14.4 v 1 m 14.δ3 14.5

χ6816

14.δ3 14.5 m 1 v 14.69 14.7 — 14.63 14.69 = 14.66 .03 .03 — 14.6 14.7 = 14.65 05 05

14.69 14.7 v 1 n 14.79 14.8

χ6817

14.δ3 14.5 m 1 v 14.69 14.7 — 14.63 14.69 = 14.66 .03 .03 — 14.6 14.7 = 14.65 05 05

14.69 14.7 v 1 n 14.79 14.8

χ7007

14.79 14.8 m 1 v 14.79 14.8 — 14.89 14.79 = 14.84 .0δ .0δ — 14.9 14.8 = 14.85 05 05

14.79 14.8 v 2 0 14.99 15.0

χ7008

14.79 14.8 m 1 v 14.79 14.8 — 14.89 14.79 = 14.84 .0δ .0δ — 14.9 14.8 = 14.85 05 05

14.79 14.8 v 2 0 14.99 15.0

χ7009

13.6δ 13.6 g 1 v 13.7δ 13.7 — 13.7δ 13.67 = 13.71 .04 .04 — 13.7 13.7 = 13.70 00 00

13.67 13.7 v 3 h 13.97 14.0

χ7010

13.8δ 13.67 = 13.76 .09 .07 — 13.8 13.7 = 13.75 05 05

13.97 14.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 26 (N 5)

x6813

14.79 14.8 m 1 v 14.89 14.9 14.89 = 14.89 .00 .00 / 14.9 14.9 = 14.90 00 00
14.89 14.9 v 1 0 14.99 15.0

x6814

14.83 14.5 m 2 v 14.73 14.7 14.69 = 14.71 .02 .02 / 14.7 14.7 = 14.70 00 00
14.69 14.7 v 1 m 14.79 14.8

x6815

14.83 14.5 m 2 v 14.73 14.7 14.69 = 14.71 .02 .02 / 14.7 14.7 = 14.70 00 00
14.69 14.7 v 1 m 14.79 14.8

x6816

14.79 14.8 m = .1 < 14.89
v *

x6817

14.79 14.8 m = .1 < 14.89
v m < 14.9

x7007

13.97 14.0 h 1 v 14.07 14.1 14.05 = 14.06 .01 .01 / 14.0 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.25 14.2

x7008

13.97 14.0 h 1 v 14.07 14.1 14.05 = 14.06 .01 .01 / 14.0 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.25 14.2

x7009

14.28 14.2 14.3 14.3 l 1 v 14.33 14.3 14.33 = 14.84 .01 .01 14.79 / 14.3 14.3 = 14.80 00 00
14.33 14.3 v 2 m 14.5 14.33

x7010

14.89 14.9 14.79 = 14.84 .05 .05 / 14.9 14.8 = 14.85 05 05
m 1 v
14.99 15.0
v 20 14.79 14.8

* Cannot separate var. from star to the left of it.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 40 (M 5)

X6813

14.53 14.5 m 2 v 14.73 14.59 = 14.66 .07 .07
14.59 14.6 14.7 14.6 = 14.65 05 05
14.6 v 2 m 14.79 14.8

X6814

14.53 14.5 m 3 v 14.83 14.59 = 14.71 .12 .12
14.59 14.6 14.8 14.6 = 14.70 10 10
14.6 v 2 m 14.79 14.8

X6815

14.53 14.5 m 2 v 14.73 14.69 = 14.71 .02 .02
14.69 14.7 14.7 14.7 = 14.70 00 00
14.7 v 1 m 14.79 14.8

X6816

14.23 14.2 l 2 v 14.43 14.43 = 14.44 .01 .01
14.43 14.4 14.4 14.4 = 14.40 00 00
14.4 v 1 m 14.53 14.5

X6817

14.23 14.2 l 1 v 14.33 14.33 = 14.34 .01 .01
14.33 14.3 14.3 14.3 = 14.30 00 00
14.3 v 2 m 14.53 14.5

Y7007

14.53 14.5 m 1 v 14.63 14.59 = 14.61 .02 .02
14.59 14.6 14.6 14.6 = 14.60 00 00
14.6 v 2 m 14.79 14.8

X7008

14.53 14.5 m 1 v 14.63 14.59 = 14.61 02 .02
14.59 14.6 14.6 14.6 = 14.60 00 00
14.6 v 2 m 14.79 14.8

X7009

14.53 14.5 m 1 v 14.63 14.59 = 14.61 .02 .02
14.59 14.6 14.6 14.6 = 14.60 00 00
14.6 v 2 m 14.79 14.8

Y7010

14.23 14.2 l 2 v 14.43 14.43 = 14.44 .01 .01
14.43 14.4 14.4 14.4 = 14.40 00 00
14.4 v 1 m 14.53 14.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 1, 1896

Variable No. 2. (M 5)

X 6813

13.97 / 14.0 h 2 v 14.17 13.95 = 14.06 .11 .11
13.95 / 13.9 v 3 l 14.21 13.9 = 14.05 15 15
14.35
14.2

X 6814

13.65 / 13.6 g 3 v 13.95 13.77 = 13.86 .09 .09
13.77 / 13.8 v 2 h 13.9 13.8 = 13.85 05 05
13.97
14.0

X 6815

13.97 / 14.0 h 2 v 14.17 14.05 = 14.11 .06 .06
14.05 / 14.0 v 2 l 14.2 14.0 = 14.10 10 10
14.25
14.2

X 6816

14.25 / 14.2 l 1 v 14.35 14.33 = 14.34 .01 .01
14.33 / 14.3 v 2 m 14.3 14.3 = 14.30 00 00
14.35
14.5

X 6817

14.25 / 14.2 l 1 v 14.35 14.33 = 14.34 .01 .01
14.33 / 14.3 v 2 m 14.3 14.3 = 14.30 00 00
14.35
14.5

X 7007

13.65 / 13.6 g 3 v 13.95 13.77 = 13.86 .09 .09
13.77 / 13.8 v 2 h 13.9 13.8 = 13.85 05 05
13.97
14.0

X 7008

13.65 / 13.6 g 3 v 13.95 13.77 = 13.86 .09 .09
13.77 / 13.8 v 2 h 13.9 13.8 = 13.85 05 05
13.97
14.0

X 7009

18.97 / 14.0 h 2 v 14.17 14.05 = 14.11 .06 .06
14.05 / 14.0 v 2 l 14.2 14.0 = 14.10 10 10
14.25
14.2

X 7010

14.4
13.97 / 14.0 h 1 v 14.07 14.05 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05
14.05 / 14.0 v 2 l 14.25
14.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 2, 1896

Variable No. 16 (M 5)

X6813

13.65 13.9- 13.77 = 13.86 .09 .09
✓ ~~13.6~~ g 3 v ~~13.9 13.8 = 13.85 05 05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X6814

13.97 14.07 14.08 = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1 14.0 = 14.05 05 05~~
14.08 14.28
~~14.0~~ v 2 l ~~14.2~~

X6815

14.28 14.38 14.33 = 14.34 .01 .01
✓ ~~14.2~~ l 1 v ~~14.3 14.3 = 14.30 00 00~~
14.33 14.33
~~14.3~~ v 2 m ~~14.5~~

X6816

14.33 14.63 14.69 = 14.66 .03 .03
✓ ~~14.5~~ m 1 v ~~14.6 14.7 = 14.65 05 05~~
14.69 14.79
~~14.7~~ v 1 m ~~14.8~~

X6817

14.28 14.48 14.43 = 14.44 .01 .01
✓ ~~14.2~~ l 2 v ~~14.4 14.4 = 14.40 00 00~~
14.43 14.33
~~14.4~~ v 1 m ~~14.5~~

X7007

13.97 14.17 14.08 = 14.11 06 .06
✓ ~~14.0~~ h 2 v ~~14.2 14.0 = 14.10 10 10~~
14.08 14.28
~~14.0~~ v 2 l ~~14.2~~

X7008

13.97 14.27 14.08 = 14.16 11 11
✓ ~~14.0~~ h 3 v ~~14.3 14.0 = 14.15 15 15~~
14.08 14.23
~~14.0~~ v 2 l ~~14.2~~

X7009

14.23 14.83 14.33 = 14.34 .01 .01
✓ ~~14.2~~ l 1 v ~~14.3 14.3 = 14.30 00 00~~
14.33 14.33
~~14.3~~ v 2 m ~~14.5~~

X7010

14.23 14.35 14.33 = 14.34 .01 .01
l 1 v ~~14.3 14.3 = 14.30 00 00~~
✓ 14.33 14.33
~~14.3~~ v 2 m ~~14.5~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

Jan. 2, 1896

Variable No. 34 (M 5)

X6813

14.53 14.5 m 3 v 14.79 14.8
14.59 14.6 v 2 w

14.89 14.59 = 14.71 .12 .12
14.8 14.6 = 14.70 10 10

X6814

14.53 14.5 m 2 v 14.79 14.8
14.59 14.6 v 2 w

14.73 14.59 = 14.66 .07 .07
14.7 14.6 = 14.65 05 05

X6815

14.28 14.2 l 2 v 14.53 14.5
14.43 14.4 v 1 w

14.48 14.43 = 14.44 .01 .01
14.4 14.4 = 14.40 00 00

X6816

14.28 14.2 l 2 v 14.53 14.5
14.43 14.4 v 1 w

14.48 14.43 = 14.44 .01 .01
14.4 14.4 = 14.40 00 00

X6817

13.60 13.6 g 2 v 13.97 14.0
13.77 13.8 v 2 h

13.88 13.77 = 13.81 .04 .04
13.8 13.8 = 13.80 00 00

X7007

13.97 14.0 h 2 v 14.20 14.2
14.15 14.1 v 1 l

14.17 14.15 = 14.16 .01 .01
14.2 14.1 = 14.15 05 05

X7008

14.53 14.5 m 1 v 14.79 14.8
14.59 14.6 v 2 w

14.63 14.59 = 14.61 .02 .02
14.6 14.6 = 14.60 00 00

X7009

14.53 14.5 m 1 v 14.79 14.8
14.59 14.6 v 2 w

14.63 14.59 = 14.61 .02 .02
14.6 14.6 = 14.60 00 00

X7010

14.23 14.2 l 2 v 14.53 14.5
14.43 14.4 v 1 m

14.43 14.43 = 14.44 .01 .01
14.4 14.4 = 14.40 00 00

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 2, 1896

Variable No. 9 (N 5)

X6813

13.97 / ~~14.0~~ ✓ h 2 v 14.17 14.15 = 14.16 .01 .01
~~14.2~~ ~~14.1~~ = ~~14.15~~ ~~.05~~ ~~.05~~
14.15 / ~~14.1~~ v 2 l 14.23 / ~~14.2~~

X6814

14.23 / ~~14.2~~ ✓ l 1 v 14.33 14.33 = 14.34 .01 .01
~~14.3~~ ~~14.3~~ = ~~14.30~~ ~~.00~~ ~~.00~~
14.33 / ~~14.3~~ v 2 m 14.33 / ~~14.5~~

X6815

14.53 / ~~14.5~~ ✓ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6~~ ~~14.6~~ = ~~14.60~~ ~~.00~~ ~~.00~~
14.59 / ~~14.6~~ v 2 n 14.79 / ~~14.8~~

X6816

14.53 / ~~14.5~~ ✓ m 1 v 14.63 14.59 = 14.61 .02 .02
~~14.6~~ ~~14.6~~ = ~~14.60~~ ~~.00~~ ~~.00~~
14.59 / ~~14.6~~ v 2 n 14.79 / ~~14.8~~

X6817

14.53 / ~~14.5~~ ✓ m 1 v 14.63 14.69 = 14.66 .03 .03
~~14.6~~ ~~14.7~~ = ~~14.65~~ ~~.05~~ ~~.05~~
14.69 / ~~14.7~~ v 1 n 14.79 / ~~14.8~~

X7007

13.63 / ~~13.6~~ ✓ g 3 v 13.93 13.77 = 13.86 .09 .09
~~13.9~~ ~~13.9~~ = ~~13.85~~ ~~.05~~ ~~.05~~
13.77 / ~~13.8~~ v 2 h 13.97 / ~~14.0~~

X7008

13.63 / ~~13.6~~ ✓ g 3 v 13.93 13.77 = 13.86 .09 .09
~~13.9~~ ~~13.8~~ = ~~13.85~~ ~~.05~~ ~~.05~~
13.77 / ~~13.8~~ v 2 h 13.97 / ~~14.0~~

X7009

13.97 / ~~14.0~~ ✓ h 1 v 14.07 14.05 = 14.06 .01 .01
~~14.1~~ ~~14.0~~ = ~~14.05~~ ~~.05~~ ~~.05~~
14.05 / ~~14.0~~ v 2 l 14.23 / ~~14.2~~

X7010

~~14.2~~ ✓ l 1 v 14.23 / ~~14.3~~ 14.33 / ~~14.3~~ = 14.34 .01 .01
~~14.3~~ = 14.30 ~~.00~~ ~~.00~~
14.33 / ~~14.3~~ v 2 m 14.53 / ~~14.5~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan. 2, 1896

Variable No. 21 (M 5)

X6813

14.53 14.5 m 3 v 14.59 14.6
14.59 14.6 v 2 w 14.79 14.8

14.83 14.59 = 14.71 .12 .12
14.8 14.6 = 14.70 10 10

X6814

14.53 14.5 m 2 v 14.69 14.7
14.69 14.7 v 1 w 14.79 14.8

14.73 14.69 = 14.71 .02 .02
14.7 14.7 = 14.70 00 00

X6815

14.53 14.5 m 2 v 14.59 14.6
14.59 14.6 v 2 w 14.79 14.8

14.73 14.59 = 14.66 .07 .07
14.7 14.6 = 14.65 05 05

X6816

14.53 14.5 m 1 v 14.69 14.7
14.69 14.7 v 1 w 14.79 14.8

14.63 14.69 = 14.66 .03 .03
14.6 14.7 = 14.65 05 05

X6817

14.53 14.5 m 2 v 14.69 14.7
14.69 14.7 v 1 w 14.79 14.8

14.73 14.69 = 14.71 .02 .02
14.7 14.7 = 14.70 00 00

X7007

13.60 13.6 g 2 v 13.67 13.7
13.67 13.7 v 3 h 13.97 14.0

13.83 13.67 = 13.76 .09 .09
13.8 13.7 = 13.75 05 05

X7008

13.60 13.6 g 2 v 13.77 13.8
13.77 13.8 v 2 h 13.97 14.0

13.83 13.77 = 13.81 .04 .04
13.8 13.8 = 13.80 00 00

X7009

13.97 14.0 h 1 v 14.06 14.0
14.06 14.0 v 2 l 14.25 14.2

14.07 14.05 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05

X7010

13.97 14.0 h 2 v 14.13 14.1
14.13 14.1 v 1 l 14.25 14.2

14.17 14.13 = 14.16 .01 .01
14.2 14.1 = 14.15 05 05

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan. 2, 1896

Variable No. 15 (M5)

X6813

13.65 13.6 g 3 v 13.95 13.77 = 13.86 .09 .09
13.9 13.8 = 13.85 05 05
13.77 13.8 v 2 h 13.97 14.0

X6814

13.97 14.0 h 1 v 14.07 14.03 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.28 14.2

X6815

14.25 14.2 l 2 v 14.43 14.43 = 14.44 .01 .01
14.4 14.4 = 14.40 00 00
14.43 14.4 v 1 m 14.53 14.5

X6816

14.33 14.5 m 1 v 14.63 14.59 = 14.61 .02 .02
14.6 14.6 = 14.60 00 00
14.59 14.6 v 2 m 14.79 14.8

X6817

14.25 14.2 l 2 v 14.43 14.43 = 14.44 .01 .01
14.4 14.4 = 14.40 00 00
14.43 14.4 v 1 m 14.53 14.5

X7007

13.97 14.0 h 1 v 14.07 14.03 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.28 14.2

X7008

13.97 14.0 h 1 v 14.07 14.03 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.28 14.2

X7009

13.97 14.0 h 1 v 14.07 14.03 = 14.06 .01 .01
14.1 14.0 = 14.05 05 05
14.05 14.0 v 2 l 14.28 14.2

X7010

14.25 14.2 l 1 v 14.33 14.33 = 14.34 .01 .01
14.3 14.3 = 14.30 00 00
14.28 14.3 v 2 m 14.53 14.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9661

Jan. 2, 1896

Variable No. 18 (N 5)

X6813

14.53 14.5 m 2 v 14.73 14.59 = 14.66 .07 .07
14.59 14.6 v 2 w 14.79 14.8

X6814

13.31 13.3 f 3 v 13.61 13.43 = 13.53 .08 .08
13.48 13.4 v 2 g 13.68 13.6

X6815

13.68 13.6 g 2 v 13.88 13.67 = 13.76 .09 .09
13.67 13.7 v 3 h 13.97 14.0

See Additional meas. p. 136

X6816

14.79 14.8 n = .1
v N.S <14.9 <14.89

X6817

14.25 14.2 l 1 v 14.38 14.43 = 14.39 .04 .04
14.43 14.4 v 1 m 14.53 14.5

X7007

13.68 13.6 g 2 v 13.88 13.67 = 13.76 .09 .09
13.67 13.7 v 3 h 13.97 14.0

X7008

13.31 13.3 f 3 v 13.61 13.43 = 13.53 .08 .08
13.48 13.4 v 2 g 13.68 13.6

X7009

13.97 14.0 h 1 v 14.07 14.1 14.05 = 14.06 .01 .01
14.08 14.0 v 2 l 14.28 14.2

X7010

14.25 14.2
14.35 14.3 14.33 = 14.34 .01 .01
14.3 14.3 = 14.30 00 00
14.33 14.3 v 2 m 14.53

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phae.proj..968L

Jan 3, 1896

Variable No 18. (M 5)

6805
~~X6785~~

14.83 14.73 14.69 = 14.71 .02 .02
~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X6785

13.31 13.61 13.48 = 13.53 .08 .08
~~13.3~~ ~~f~~ 3 v ~~13.6 13.4 = 13.50 10 10~~
13.48 13.63
~~13.4~~ v 2 g ~~13.6~~

X6763

14.83 14.73 14.69 = 14.71 .02 .02
~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X6663 37

14.83 14.73 14.69 = 14.71 .02 .02
~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X7000

13.68 13.78 13.77 = 13.76 .01 .01
~~13.6~~ g 1 v ~~13.7 13.8 = 13.75 05 05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X6991

14.79 14.89 14.79 = 14.84 .03 .03
~~14.8~~ m 1 v ~~14.9 14.8 = 14.85 05 05~~
14.79 14.99
~~14.8~~ w 2 0 ~~15.0~~

X6981

14.83 14.73 14.69 = 14.71 .02 .02
~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X6974

14.83 14.73 14.69 = 14.71 .02 .02
~~14.5~~ m 2 v ~~14.7 14.7 = 14.70 00 00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 3, 1896

Variable No 18 (N5)

X6960

✓	14.53 14.5	m 1 v	14.63 14.6	14.59 14.6	14.61 14.60	.02 .00	.02 .00
	14.59 14.6	v 2 w	14.79 14.8				

X6958

✓	13.97 14.0	h 1 v	14.07 14.1	14.05 14.0	14.06 14.05	.01 .05	.01 .05
	14.05 14.0	v 2 l	14.25 14.2				

X6956

✓	13.31 13.3	f 3 v	13.61 13.6	13.48 13.4	13.53 13.50	.08 .10	.08 .10
	13.48 13.4	v 2 g	13.65 13.6				

X7043

✓	14.25 14.2	l 1 v	14.35 14.3	14.33 14.3	14.34 14.30	.01 .00	.01 .00
	14.33 14.3	v 2 m	14.53 14.5				

X7038

✓	14.53 14.5	m 1 v	14.63 14.6	14.59 14.6	14.61 14.60	.02 .00	.02 .00
	14.59 14.6	v 2 w	14.79 14.8				

X7036

✓	13.31 13.3	f 3 v	13.61 13.6	13.58 13.6	13.58 13.55	.03 .05	.03 .05
	13.58 13.5	v 1 g	13.65 13.6				

X6784

✓	14.25 14.2	l 1 v	14.35 14.3	14.43 14.4	14.39 14.35	.04 .05	.04 .05
	14.43 14.4	v 1 m	14.53 14.5				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 3, 1896

Variable No 18 (M 5)

X 7020

13.97 / 14.0 ✓ h = .1

v N.S. <14.1 <14.07

X 7018

14.53 / 14.5 ✓ m 2 v 14.73 / 14.7 14.69 / 14.7 = 14.71 / 14.70 .02 / 00 .02 / 00

14.69 / 14.7 v 1 n 14.79 / 14.8

X6821

13.97 / 14.0 ✓ h 2 v 14.17 / 14.2 14.13 / 14.1 = 14.16 / 14.15 .01 / 01 .01 / 01

14.13 / 14.1 v 1 l 14.28 / 14.2

X6829

14.53 / 14.5 ✓ m 2 v 14.73 / 14.7 14.69 / 14.7 = 14.71 / 14.70 .02 / 00 .02 / 00

14.69 / 14.7 v 1 n 14.79 / 14.8

X6836

14.79 / 14.8 ✓ m 1 v 14.89 / 14.9 14.79 / 14.8 = 14.84 / 14.85 .05 / 05 .05 / 05

14.79 / 14.8 v 2 0 14.99 / 15.0

X6877

14.53 / 14.5 ✓ m 1 v 14.63 / 14.6 14.59 / 14.6 = 14.61 / 14.60 .02 / 00 .02 / 00

14.59 / 14.6 v 2 n 14.79 / 14.8

X6806

14.55 / 14.5 ✓ m = .1

v N.S. <14.6 <14.63

X6838

14.53 / 14.5 ✓ m 2 v 14.73 / 14.7 14.69 / 14.7 = 14.71 / 14.70 .02 / 00 .02 / 00

14.69 / 14.7 v 1 n 14.79 / 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 3, 1896

Variable No 18 (M 5)

X6786

13.65 13.93 13.87 = 13.91 .04 .04
13.6 g 3 v 13.9 13.9 = 13.90 00 00
13.87 13.97
13.9 v 1 h 14.0

X1941

14.79 14.89 = .1
14.8
Var N.S <14.9 <14.89

X1749

Var N.S

X1728

14.23 14.23 = .1
14.2
Var N.S <14.3 <14.33

X1566

14.23 14.33 14.33 = 14.34 .01 .01
14.2 l 1 v 14.3 14.3 = 14.30 00 00
14.33 14.33
14.3 v 2 w 14.5

X1553

Var N.S

X1428

Var N.S

X1421

13.63 13.76 13.77 = 13.76 .01 .01
13.6 g 1 v 13.7 13.8 = 13.75 05 05
13.77 13.97
13.8 v 2 h 14.0

X1444

Var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 3, 1896

Variable No 18 (N S)

X 1690
var N.S

~~13.97~~ 14.01 X1530
h = .2
var N.S ~~< 14.2~~ < 14.17

14.53 ~~14.5~~ X1486
m = .1
var N.S ~~< 14~~ < 14.63

X1482

~~14.28~~ 14.2	l / v	~~14.33~~ 14.3	~~14.43~~ 14.4 = ~~14.39~~ 14.35	~~.04~~ .05	~~.04~~ .05
14.43 ~~14.4~~	v / m	14.33 ~~14.5~~			

See p. 132 ~~X~~ X 6816

~~14.23~~ 14.2	l / v	~~14.33~~ 14.3	~~14.3~~ = ~~14.30~~	~~.00~~	~~.00~~
14.33 ~~14.3~~	v 2 m	14.33 ~~14.5~~			

X By superposing plate 6816 on 6817 found the var. appeared on 6816 and made this additional meas. S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..966L

38

Jan 3, 1896

Variable No 28 (M 5)

X6813

✓	14.79 / 14.8	w 1 v	14.89 / 14.9	14.79 / 14.8	14.84 / 14.85	.05	.05
	14.79 / 14.8	v 2 o	14.99 / 15.0				

X6814

	13.65		13.85	13.77	13.81	.04	.04
✓	13.6	g 2 v	13.8	13.8	13.80	00	00
	13.77 / 13.8	v 2 h	13.97 / 14.0				

X6815

	13.65		13.85	13.77	13.81	.04	.04
✓	13.6	g 2 v	13.8	13.8	13.80	00	00
	13.77 / 13.8	v 2 h	13.97 / 14.0				

X6816

✓	13.97 / 14.0	h 1 v	14.07 / 14.1	14.05	14.06 / 14.05	.01 / 05	.01 / 05
	14.05 / 14.0	v 2 b	14.25 / 14.2				

X6817

	14.35		14.35	14.33			
✓	14.2	b 1 v	14.3	14.3	14.30	.01 / 00	.01 / 00
	14.33 / 14.3	v 2 m	14.53 / 14.5				

X7007

✓	14.53 / 14.5	m 2 v	14.73 / 14.7	14.69	14.71 / 14.70	.02 / 00	.02 / 00
	14.69 / 14.7	v 1 w	14.79 / 14.8				

X7008

✓	14.79 / 14.8	w 1 v	14.89 / 14.9	14.79 / 14.8	14.84 / 14.85	.05 / 05	.05 / 05
	14.79 / 14.8	v 2 o	14.99 / 15.0				

X7009

✓	14.79 / 14.8	w 2 v	14.99 / 15.0	14.89 / 14.9	14.94 / 14.95	.05 / 05	.05 / 05
	14.89 / 14.9	v 1 o	14.99 / 15.0				

X7010

	14.99 / 15.0	w 2 v	14.89 / 14.9	14.94 / 14.95	.05 / 05		
	14.89 / 14.9	v 1 o	14.99 / 15.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 3, 1896

Variable No. 8 (M 5)

X6813

13.63 13.77 13.76 .01 .01
13.6 g 2 v 13.7 13.8 = 13.75 05 05
13.77 13.97
13.8 v 2 h 14.0

X6814

13.91 13.61 13.53 = 13.58 .03 .03
✓ 13.3 f 3 v 13.6 13.5 = 13.55 05 05
13.53 13.63
13.5 v 1 g 13.6

X6815

13.97 14.07 14.03 = 14.06 .01 .01
✓ 14.0 h 1 v 14.1 14.0 = 14.05 05 05
14.03 14.23
14.0 v 2 l 14.2

X6816

14.23 14.38 14.33 = 14.34 .01 .01
✓ 14.2 l 1 v 14.3 14.3 = 14.30 00 00
14.33 14.33
14.3 v 2 m 14.3

X6817

14.23 14.40 14.43 = 14.44 .01 .01
✓ 14.2 l 2 v 14.4 14.4 = 14.40 00 00
14.43 14.53
14.4 v 1 m 14.5

X7007

14.53 14.73 14.69 = 14.71 .02 .02
✓ 14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 n 14.8

X7008

14.53 14.73 14.59 = 14.66 .07 .07
✓ 14.5 m 2 v 14.7 14.6 = 14.65 05 05
14.59 14.79
14.6 v 2 n 14.8

X7009

14.53 14.63 14.59 = 14.61 .02 .02
✓ 14.5 m 1 v 14.6 14.6 = 14.60 00 00
14.89 14.79
14.6 v 2 n 14.8

✓ X7010

14.8 14.79
m 1 v
14.79 v 2 n
14.8

14.89 14.79 = 14.84 .03 .03
14.9 14.8 = 14.85 05 05
14.99
15.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan. 3, 1896

(Variable No. 31 (M 5)

X6813

	13.97			14.17	14.08⁻ =	14.11	.06	.06
✓	~~14.0~~	h	2 v	~~14.2~~	~~14.0~~ =	~~14.10~~	~~10~~	~~10~~
	14.08⁻			14.28⁻				
	~~14.0~~	v	2 l	~~14.30~~				

X6814

	13.97			14.17	14.18⁻ =	14.16	.01	.01
✓	~~14.0~~	h	2 v	14.2	~~14.1~~ =	~~14.15⁻~~	~~05⁻~~	~~05⁻~~
	14.18⁻			14.28⁻				
	~~14.1~~	v	1 l.	~~14.2~~				

X6815

	14.38⁻			14.48⁻	14.43 =	14.44	01	.01
✓	~~14.2~~	l	2 v	~~14.4~~	~~14.4~~ =	~~14.40~~	~~00~~	~~00~~
	14.43			14.53⁻				
	~~14.4~~	v	1 m	~~14.5~~				

X6816

	14.53⁻			14.63	14.69 =	14.66	.03	.03
✓	~~14.5~~	m	1 v	~~14.6~~	~~14.7~~ =	~~14.65⁻~~	~~05⁻~~	~~05⁻~~
	14.69			14.79				
	~~14.7~~	v	1 m	~~14.8~~				

X6817

	14.28⁻			14.38⁻	14.43 =	14.39	.04	.04
✓	~~14.2~~	l	1 v	~~14.3~~	~~14.4~~ =	~~14.35⁻~~	~~05⁻~~	~~05⁻~~
	14.43			14.53⁻				
	~~14.4~~	v	1 m	~~14.5~~				

X7007

	13.97			14.07	14.08⁻ =	14.06	.01	.01
✓	~~14.0~~	h	1 v	~~14.1~~	~~14.0~~ =	~~14.05⁻~~	~~05⁻~~	~~05⁻~~
	14.08⁻			14.28⁻				
	~~14.0~~	v	2 l	~~14.2~~				

X7008

	13.97			14.07	14.08⁻ =	14.06	.01	.01
✓	~~14.0~~	h	1 v	~~14.1~~	~~14.0~~ =	~~14.05⁻~~	~~05⁻~~	~~05⁻~~
	14.08⁻			14.28⁻				
	~~14.0~~	v	2 l	~~14.2~~				

X7009

	13.97			~~14.17~~	14.08⁻ =	14.06	.01	.01
✓	~~14.0~~	h	1 v	~~14.2~~	~~14.0~~ =	~~14.05⁻~~	~~05⁻~~	~~05⁻~~
	14.08⁻			14.28⁻				
	~~14.0~~	v	2 l	~~14.2~~				

X7010

✓							.01	.01
							~~14.2~~	
							~~14.28⁻~~	
		l	1 v				~~14.3~~	~~14.3~~
							14.33	
		v	2 m				~~14.5⁻~~	

14.33⁻ 14.33 = 14.34 · 01 · 01
~~14.3~~ ~~14.3~~ = ~~14.30~~ ~~00~~ ~~00~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 6, 1896

Variable No 32 (M 5)

X6813

13.97 14.0 h 2 v 14.17 14.21 14.03 = 14.0 14.11 = 14.10 .06 .06 .10
14.03 14.0 v 2 l 14.23 14.21

X6814

14.23 14.2 l 1 v 14.33 14.3 14.43 = 14.4 14.39 = 14.35 .04 .05 .04 .05
14.43 14.4 v 2 w 14.53 14.5

X6815

14.33 14.5 w 2 v 14.73 14.7 14.69 = 14.7 14.71 = 14.70 .02 .00 .02 .00
14.69 14.7 v 1 w 14.79 14.8

X6816

14.79 14.8 w 1 v 14.89 14.9 14.79 = 14.8 14.84 = 14.85 .03 .05 .03 .05
14.79 14.8 v 2 0 14.99 15.0

X6817

14.83 14.5 w 2 v 14.73 14.7 14.69 = 14.7 14.71 = 14.70 .02 .00 .02 .00
14.69 14.7 v 1 w 14.79 14.8

X7007

14.83 14.5 w 2 v 14.73 14.7 14.69 = 14.7 14.71 = 14.70 .02 .00 .01 .00
14.69 14.7 v 1 w 14.79 14.8

X7008

14.79 14.8 w 1 v 14.89 14.9 14.79 = 14.8 14.84 = 14.85 .03 .05 .03 .05
14.79 14.8 v 2 0 14.99 15.0

X7009

14.79 14.8 w 1 v 14.89 14.9 14.89 = 14.9 14.89 = 14.90 .00 .00 .00 .00
14.89 14.9 v 1 0 14.99 15.0

X7010

14.89 14.9 w 1 v 14.79 14.8 14.84 = 14.85 .03 .05 .03 .05
14.99 15.0 v 2 0 14.79 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 6, 1896

Variable No. 19 (M5)

X6813

14.53 14.73 14.69 = 14.71 .02 .02
✓ 14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 w 14.8

X6814

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 w 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

X6815

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 w 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

X6816

14.53 14.63 14.59 = 14.61 .02 .02
✓ 14.5 w 1 v 14.6 14.6 = 14.60 00 00
14.59 14.79
14.6 v 2 w 14.8

X6817

13.31 13.51 13.45 = 13.48 .03 .03
✓ 13.3 f 2 v 13.5 13.4 = 13.50 05 05
13.45 13.65
13.4 v 2 g 13.6

X7007

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 w 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

X7008

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 w 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

X7009

14.79 14.89 14.79 = 14.84 .05 .05
✓ 14.8 w 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 0 15.0

X7010

✓ 14.8 14.79 w 1 v 14.89 14.89 = 14.89 00 00
14.9 14.9 = 14.90 00
14.99
15.0
v 1 0
14.89
14.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 6, 1896

Variable No. 7 (M5)

X6813

14.79 14.99 14.89 = 13.94 .05 .05
✓ ~~14.8~~ m 2 v ~~15.0~~ ~~14.9~~ = ~~14.95~~ ~~05~~ ~~05~~
14.89 14.99
~~14.9~~ v 1 0 ~~15.0~~

X6814

14.83 14.73 14.89 = 14.66 .07 .07
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.6~~ = ~~14.65~~ ~~05~~ ~~05~~
14.89 14.79
~~14.6~~ v 2 w ~~14.8~~

X6815

14.83 14.73 14.89 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.7~~ = ~~14.70~~ ~~00~~ ~~00~~
14.89 14.79
~~14.7~~ v 1 w ~~14.8~~

X6816

13.63 13.83 13.87 = 13.86 .01 .01
✓ ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~05~~ ~~05~~
13.87 13.97
~~13.9~~ v 1 h 14.0

X6817

13.81 13.81 13.43 = 13.48 .03 .03
✓ ~~13.3~~ f 2 v ~~13.5~~ ~~13.4~~ = ~~13.45~~ ~~05~~ ~~05~~
13.43 13.63
~~13.4~~ v 2 g ~~13.6~~

X7007

14.79 14.89 14.79 = 14.84 .03 .03
✓ ~~14.8~~ m 1 v ~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~05~~ ~~05~~
14.79 14.99
~~14.8~~ v 2 0 ~~15.0~~

X7008

14.83 14.73 14.69 = 14.71 .02 .02
✓ ~~14.5~~ m 2 v ~~14.7~~ ~~14.7~~ = ~~14.70~~ ~~00~~ ~~00~~
14.69 14.79
~~14.7~~ v 1 w ~~14.8~~

X7009

14.79 14.89 14.79 = 14.84 .03 .03
~~14.8~~ m 1 v ~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~05~~ ~~05~~
14.79 14.99
~~14.8~~ v 2 0 ~~15.0~~

X7010

✓ ~~14.8~~
14.89 14.79 14.84 .03 .03
~~14.9~~ m 1 v ~~14.8~~ = ~~14.85~~ ~~05~~ ~~05~~
14.99
~~15.0~~
14.79
v 2 0 ~~14.8~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9661

Jan 6, 1896

Variable No. 30. (M 5)

X6813

	14.53			14.73	14.59 =	14.66	.07 .07
✓	14.5	m 2 v		14.7	14.6 =	14.65	05 05
	14.59			14.79			
	14.6	v 2 w		14.8			

X6814

	14.53			14.83	14.59 =	14.71	.12 .12
✓	14.5	m 3 v		14.8	14.6 =	14.70	10 10
	14.59			14.79			
	14.6	v 2 w		14.8			

X6815

	14.53			14.63	14.59 =	14.61	.02 .02
✓	14.5	m 1 v		14.6	14.6 =	14.60	00 00
	14.59			14.79			
	14.6	v 2 w		14.8			

X6816

	14.53			14.63	14.69 =	14.66	.03 .03
✓	14.5	m 1 v		14.6	14.7 =	14.65	05 05
	14.69			14.79			
	14.7	v 1 w		14.8			

X6817

	14.53			14.73	14.69 =	14.71	.02 .02
✓	14.5	m 2 v		14.7	14.7 =	14.70	00 00
	14.69			14.79			
	14.7	v 1 w		14.8			

X7007

	14.23			14.43	14.33 =	14.34	.01 .01
✓	14.2	l 1 v		14.3	14.3 =	14.30	00 00
	14.33			14.53			
	14.3	v 2 w		14.5			

X7008

	14.53			14.63	14.59 =	14.61	.02 .02
✓	14.5	m 1 v		14.6	14.6 =	14.60	00 00
	14.59			14.79			
	14.6	v 2 w		14.8			

X7009

	14.53			14.63	14.59 =	14.61	.02 .02
✓	14.5	m 1 v		14.6	14.6 =	14.60	00 00
	14.59			14.79			
	14.6	v 2 w		14.8			

X7010

	14.89			14.79	14.84	.03	.03
	14.9	w 1 v		14.8	14.85	05	05
	14.99			14.79			
	15.0	v 2 0		14.8			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 6, 1896

Variable No. 39 (M5)

X6813

13.97		14.07	14.08 =	14.06	.01	.01
✓ 14.0	h 2 v	14.2	14.0 =	14.10	10	10
14.03		14.23				
14.0	v 2 l	14.2				

X6814

14.23		14.33	14.33 =	14.34	.01	.01
✓ 14.2	l 1 v	14.3	14.3 =	14.30	00	00
14.33		14.03				
14.3	v 2 m	14.5				

X6815

14.23		14.33	14.33 =	14.34	.01	.01
✓ 14.2	l 1 v	14.3	14.3 =	14.30	00	00
14.33		14.03				
14.3	v 2 m	14.5				

X6816

14.03		14.63	14.69 =	14.61	.02	.02
✓ 14.5	m 1 v	14.6	14.6 =	14.60	00	00
14.59		14.79				
14.6	v 2 m	14.8				

X6817

14.03		14.63	14.69 =	14.66	.03	.03
✓ 14.5	m 1 v	14.6	14.7 =	14.65	05	05
14.69		14.79				
14.7	v 1 m	14.8				

X7007

14.03		14.63	14.69 =	14.61	.02	.02
✓ 14.5	m 1 v	14.6	14.6 =	14.60	00	00
14.59		14.79				
14.6	v 2 m	14.8				

X7008

14.03		14.73	14.69 =	14.71	.02	.02
✓ 14.5	m 2 v	14.7	14.7 =	14.70	00	00
14.69		14.79				
14.7	v 1 m	14.8				

X7009

✓ 14.79		14.89	14.79 =	14.84	.05	.05
14.8	m 1 v	14.9	14.8 =	14.85	05	05
14.79		14.99				
14.8	v 2 0	15.0				

X7010

✓ 14.89		14.89	14.79 =	14.84	.05	.05
14.9	m 1 v	14.9	14.8 =	14.85	05	05
14.79		14.99				
14.8	v 2 0	15.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 7, 1896

Variable No. 42 (M 5)

X6813

10.97 11.0 11.71 11.7 — b 4 v — 11.37 11.4 11.81 11.8 — 11.71 = 11.54 — .17 .15 — .17 .15

v 11.71 11.7 — v 2 c

X6814

11.27 11.3 11.81 11.8 — 11.61 = 11.44 — .17 .15 — .17 .15

v 11.0 11.61 11.6 — b 3 v — v 2 c

X6815

10.97 11.0 11.61 11.6 — b 4 v — 11.37 11.4 11.81 11.8 — 11.61 = 11.49 — .12 .10 — .12 .10

v — v 2 c

X6816

10.97 11.0 11.61 11.6 — b 4 v — 11.37 11.4 11.81 11.8 — 11.61 = 11.49 — .12 .10 — .12 .10

v — v 2 c

X6817

10.97 11.0 11.61 11.6 — b 3 v — 11.27 11.3 11.81 11.8 — 11.61 = 11.44 — .17 .15 — .17 .15

v — v 2 c

X7007

10.97 11.0 11.57 11.5 — b 2 v — 11.17 11.2 11.81 11.8 — 11.51 = 11.34 — .17 .15 — .17 .15

v — v 3 c

X7008

10.37 10.4 10.87 10.9 — a 3 v — 10.67 10.7 10.97 11.0 — 10.87 = 10.77 — .10 .10 — .10

v — v 1 b

X7009

10.37 10.4 10.87 10.9 — a 3 v — 10.67 10.7 10.97 11.0 — 10.87 = 10.77 — .10 .10 — .10

v — v 1 b

X7010

10.4 10.37 10.8 10.9 — a 3 v — 10.67 10.7 10.97 11.0 — 10.87 = 10.77 — .10 .10 — .10

10.8 10.9 — v 1 b

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan 7, 1896

Variable No. 25 (M 5)

X6813

13.68 13.6 g 3 v 13.98 13.9 13.87 = 13.91 .04 .04
13.87 13.9 v 1 h 13.97 14.0 13.90 00 00

X6814

13.68 13.6 g 2 v 13.98 13.9 13.77 = 13.86 .09 .09
13.77 13.8 v 2 h 13.97 14.0 13.85 05 05

X6815

13.68 13.6 g 2 v 13.88 13.8 13.87 = 13.86 .01 .01
13.87 13.9 v 1 h 13.97 14.0 13.85 05 05

X6816

13.68 13.6 g 2 v 13.88 13.8 13.77 = 13.81 .04 .04
13.77 13.8 v 2 h 13.97 14.0 13.80 00 00

X6817

13.31 13.3 f 2 v 13.51 13.4 13.48 = 13.48 .03 .03
13.48 13.4 v 2 g 13.68 13.6 13.45 05 05

X7007

13.68 13.6 g 3 v 13.98 13.9 13.77 = 13.86 .09 .09
13.77 13.8 v 2 h 13.97 14.0 13.85 05 05

X7008

13.6 13.6 g 2 v 13.88 13.8 13.67 = 13.76 .09 .09
13.68 13.67 13.7 v 3 h 13.97 14.0 13.75 05 05

X7009

13.68 13.6 g 3 v 13.98 13.9 13.87 = 13.91 .04 .04
13.87 13.9 v 1 h 13.97 14.0 13.90 00 00

X7010

13.6 13.6 g 2 v 13.88 13.8 13.87 = 13.86 .01 .01
13.68 13.67 13.7 v 1 h 13.97 14.1 13.9 05 05

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan. 17, 1896

Variable No. 35 (N 5)

X6813

13.63⁻ 13.93⁻ 13.77 = 13.86 .09 .09
✓ ~~13.6~~ g 3 v ~~13.9~~ ~~13.8~~ = ~~13.85~~ ~~05~~ ~~05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X6814

13.97 14.07 13.93⁻ = 14.01 .06 .06
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~13.9~~ = ~~14.00~~ ~~10~~ ~~10~~
13.93⁻ 14.23⁻
~~13.9~~ v 3 l ~~14.2~~

X6815

14.33⁻ 14.33⁻ 14.33 = 14.34 .01 .01
✓ ~~14.2~~ l 1 v ~~14.3~~ ~~14.3~~ = ~~14.30~~ ~~00~~ ~~00~~
14.33 14.53⁻
~~14.3~~ v 2 m ~~14.5~~

X6816

14.23⁻ 14.43⁻ 14.43 = 14.44 01 .01
✓ ~~14.2~~ l 2 v ~~14.4~~ ~~14.4~~ = ~~14.40~~ ~~00~~ ~~00~~
14.43 14.53⁻
~~14.4~~ v 1 m ~~14.5~~

X6817

14.23⁻ 14.33⁻ 14.43 = 14.39 .04 .04
✓ ~~14.2~~ l 1 v ~~14.3~~ ~~14.4~~ = ~~14.35~~ ~~05~~ ~~05~~
14.43 14.53⁻
~~14.4~~ v 1 m ~~14.5~~

X7007

14.20⁻ 14.43⁻ 14.43 = 14.44 .01 .01
✓ ~~14.2~~ l 2 v ~~14.4~~ ~~14.4~~ = ~~14.40~~ ~~00~~ ~~00~~
14.43 14.53⁻
~~14.4~~ v 1 m ~~14.5~~

X7008

13.97 14.07 14.03⁻ = 14.06 .01 .01
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.0~~ = ~~14.05~~ ~~05~~ ~~05~~
14.03⁻ 14.23⁻
~~14.0~~ v 2 l ~~14.2~~

X7009

13.63⁻ 13.93⁻ 13.77 = 13.86 .09 .09
✓ ~~13.6~~ g 3 v ~~13.9~~ ~~13.8~~ = ~~13.85~~ ~~05~~ ~~05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X7010

v ~~13.6~~ 13.63⁻
g 2 v 13.77 13.8
13.97
v 2 h ~~14.0~~

13.80⁻ 13.77 = 13.81 .04 .04
~~13.8~~ ~~13.8~~ = ~~13.80~~ ~~00~~ ~~00~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

Jan. 17, 1896

Variable No. 13 (M 5)

X6813

	13.97						
✓	~~14.0~~	h 2 v	~~14.2~~	~~14.1~~ =	~~14.15~~	~~.05~~	~~.05~~
	14.13		14.23				
	~~14.1~~	v 1 l	~~14.2~~				

X6814

	13.97						
✓	~~14.0~~	h 3 v	~~14.3~~	~~14.0~~ =	~~14.15~~	~~.15~~	~~.15~~
	14.03		14.23				
	~~14.0~~	v 2 l	~~14.2~~				

X6815

	14.23		14.43				
✓	~~14.2~~	l 2 v	~~14.4~~	~~14.4~~ =	~~14.40~~	~~.00~~	~~.00~~
	14.43		14.83				
	~~14.4~~	v 1 m	~~14.5~~				

X6816

	14.23		14.33	14.33 =	14.34	.01	.01
✓	~~14.2~~	l 1 v	~~14.3~~	~~14.3~~ =	~~14.30~~	~~.00~~	~~.00~~
	14.33		14.83				
	~~14.3~~	v 2 m	~~14.5~~				

X6817

	14.23		14.33	14.43 =	14.39	.04	.04
✓	~~14.2~~	l 1 v	~~14.3~~	~~14.4~~ =	~~14.35~~	~~.05~~	~~.05~~
	14.43		14.83				
	~~14.4~~	v 1 m	~~14.5~~				

X7007

	13.97						
✓	~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~.05~~	~~.05~~
	14.03		14.23				
	~~14.0~~	v 2 l	~~14.2~~				

X7008

	13.97						
✓	~~14.0~~	h 2 v	~~14.2~~	~~14.1~~ =	~~14.15~~	~~.05~~	~~.05~~
	14.13		14.23				
	~~14.1~~	v 1 l	~~14.2~~				

X7009

	13.97						
✓	~~14.0~~	h 2 v	~~14.2~~	~~14.1~~ =	~~14.15~~	~~.05~~	~~.05~~
	14.13		14.23				
	~~14.1~~	v 1 l	~~14.2~~				

✓ X7010

	~~14.0~~						
	13.97	h 2 v	14.17	14.03 =	14.11	.06	.06
	~~14.0~~		~~14.2~~	~~14.0~~	~~14.10~~	~~.10~~	~~.10~~
	14.03		14.23				
	14.03	v 2 l	~~14.2~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 17, 1896

Variable No. 24 (A5-)

X6813

✓	14.53	m 2 v	14.73	14.69 =	14.71	.02 .02
	14.5		14.7	14.4 =	14.55	15 15
	14.69		14.79			
	14.4	v 1 w	14.5			

X6814

	14.79		14.89	14.79 =	14.84	.05 .05
✓	14.8	m 1 v	14.9	14.8 =	14.85	05 05
	14.79		14.99			
	14.8	v 2 0	15.0			

X6815

	14.79		14.99	14.79 =	14.89	.10 .10
✓	14.8	m 2 v	15.0	14.8 =	14.90	10 10
	14.79		14.99			
	14.8	v 2 0	15.0			

X6816

✓	14.79		14.89	14.79 =	14.84	.05 .05
	14.8	m 1 v	14.9	14.8 =	14.85	05 05
	14.79		14.99			
	14.8	v 2 0	15.0			

X6817

	14.53		14.63	14.69 =	14.66	.03 .03
✓	14.5	m 1 v	14.6	14.7 =	14.65	05 05
	14.69		14.79			
	14.7	v 1 w	14.8			

X7007

	13.31		13.51	13.43 =	13.48	.03 .03
✓	13.3	f 2 v	13.5	13.4 =	13.45	05 05
	13.43		13.63			
	13.4	v 2 g	13.6			

X7008

	13.31		13.61	13.43 =	13.53	.08 .08
✓	13.3	f 3 v	13.6	13.4 =	13.50	10 10
	13.43		13.63			
	13.4	v 2 g	13.6			

X7009

	13.63		13.83	13.77 =	13.81	.04 .04
✓	13.6	g 2 v	13.8	13.8 =	13.80	00 00
	13.77		13.97			
	13.8	v 2 h	14.0			

X7010

✓					14.42	
					14.43	
					14.4	
	14.43		14.44	.01	.01	
	14.4		14.4 =	14.40	00	00
	14.53					
	14.5	v 1 m				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 17, 1896

Variable No 36 (M 5)

X6813

13.97 / 14.0 h 2 v — 14.17 / 14.2 — 14.1 8 = 14.1 — 14.16 — .01 — .01
14.18 / 14.1 v 1 l — 14.28 / 14.2

X6814

13.97 / 14.0 h 3 v — 14.27 / 14.3 — 14.0 3 = 14.0 — 14.16 — .11 — .11
14.03 / 14.0 v 2 l — 14.23 / 14.2

X6815

14.28 / 14.2 l 1 v — 14.33 / 14.3 — 14.33 = 14.3 — 14.34 — .01 — .01
14.33 / 14.3 v 2 m — 14.83 / 14.5

X6816

14.23 / 14.2 l 1 v — 14.38 / 14.3 — 14.43 = 14.4 — 14.39 — .04 — .04
14.43 / 14.4 v 1 m — 14.83 / 14.5

X6817

14.23 / 14.2 l 2 v — 14.48 / 14.4 — 14.43 = 14.4 — 14.44 — .01 — .01
14.43 / 14.4 v 1 m — 14.83 / 14.5

X7007

13.63 / 13.6 g 2 v — 13.88 / 13.8 — 13.77 = 13.8 — 13.81 — .04 — .04
13.77 / 13.8 v 2 h — 13.97 / 14.0

X7008

13.97 / 14.0 h 1 v — 14.07 / 14.1 — 14.0 3 = 14.0 — 14.06 — .01 — .01
14.03 / 14.0 v 2 l — 14.23 / 14.2

X7009

13.97 / 14.0 h 1 v — 14.07 / 14.1 — 14.0 8 = 14.0 — 14.06 .01 .01 — 14.0 / 13.9 / 14.13 / 14.1
14.03 / 14.0 v 2 l — 14.23 / 14.2

X7010

h 2 v — 14.17 / 14.2 / 14.23 — 14.1 8 = 14.1 — 14.16 — .01 — .01
v 1 l — 14.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 17, 1896

Variable No. 37 (M 5)

X6813

13.51 13.53 13.53 = 13.53 .02 .02
13.3 f 2 v 13.5 13.5 = 13.50 00 00
13.53 13.65
13.5 v 1 g 13.6

X6814

13.65 13.78 13.77 = 13.76 .01 .01
13.6 g 1 v 13.7 13.8 = 13.75 05 05
13.77 13.97
13.8 v 2 h 14.0

X6815

14.28 14.48 14.43 = 14.44 .01 .01
14.2 l 2 v 14.4 14.4 = 14.40 00 00
14.43 14.53
14.4 v 1 m 14.5

X6816

14.53 14.63 14.69 = 14.66 .03 .03
14.5 m 1 v 14.6 14.7 = 14.65 05 05
14.69 14.79
14.7 v 1 n 14.8

X6817

14.53 14.63 14.69 = 14.66 .03 .03
14.5 m 1 v 14.6 14.7 = 14.65 05 05
14.69 14.79
14.7 v 1 n 14.8

X7007

14.79 14.89 14.79 = 14.84 .05 .05
14.8 m 1 v 14.9 14.8 = 14.85 05 05
14.79 14.99
14.8 v 2 o 15.0

X7008

13.97 14.07 14.05 = 14.06 .01 .01
14.0 h 1 v 14.1 14.0 = 14.05 05 05
14.05 14.25
14.0 v 2 l 14.2

X7009

13.31 13.61 13.45 13.53 .08 .08
13.3 f 3 v 13.6 13.4 = 13.50 10 10
13.48 13.65
13.4 v 2 g 13.6

X7010

13.51 13.45 = 13.48 .03 .03
13.5 13.4 = 13.45 05 05
13.65
13.6

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 17, 1896

Variable No. 34 (M 5)

X6813

14.83	m 2 v	14.73	14.69 =	14.71	.02	.02
~~14.5~~		~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	~~00~~
14.69	v 1 w	14.79				
~~14.7~~		~~14.8~~				

X6814

14.83	m 2 v	14.73	14.69 =	14.71	.02	.02
~~14.5~~		~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	~~00~~
14.69	v 1 w	14.79				
~~14.7~~		~~14.8~~				

X6815

14.83	m 1 v	14.63	14.59 =	14.61	.02	.02
~~14.5~~		~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59	v 2 w	14.79				
~~14.6~~		~~14.8~~				

X6816

14.83	m 1 v	14.63	14.59 =	14.61	.02	.02
~~14.5~~		~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59	v 2 w	14.79				
~~14.6~~		~~14.8~~				

X6817

13.63	q 1 v	13.73	13.77 =	13.76	.01	.01
~~13.6~~		~~13.7~~	~~13.8~~ =	~~13.75~~	~~05~~	~~05~~
13.77	v 2 w	13.97				
~~13.8~~		~~14.0~~				

X7007

14.23	l 2 v	14.43	14.43 =	14.44	.01	.01
~~14.2~~		~~14.4~~	~~14.4~~ =	~~14.40~~	~~00~~	~~00~~
14.43	v 1 w	14.83				
~~14.4~~		~~14.5~~				

X7008

14.83	m 1 v	14.63	14.59 =	14.61	.02	.02
~~14.5~~		~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59	v 2 w	14.79				
~~14.6~~		~~14.8~~				

X7009

14.83	m 1 v	14.63	14.69 =	14.66	.03 .03	~~14.5~~ 14.53
~~14.5~~		~~14.6~~	~~14.7~~ =	~~14.65~~	~~05~~ ~~05~~	
14.69	v 1 w	14.79				
~~14.7~~		~~14.8~~				

X7010

	m 2 v	14.73	14.59 =	14.66	.07	.07
		~~14.7~~	~~14.6~~	~~14.65~~	~~00~~	~~05~~
14.59	v 2 w	14.79				
~~14.6~~		~~14.8~~				

For first measures see p. 128

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan. 20, 1896

Variable No. 4 (M 5)

X6813

14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 .02 .02
14.59 14.6 v 2 m 14.79 14.8

X6814

14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 .02 .02
14.59 14.6 v 2 m 14.79 14.8

X6815

14.79 14.8 m 1 v 14.89 14.9 14.79 = 14.84 .05 .05
14.79 14.8 v 2 m 14.99 15.0

X6816

14.79 14.8 m 1 v 14.89 14.9 14.89 = 14.89 .00 .00
14.89 14.9 v 1 0 14.99 15.0

X6817

14.25 14.2 l 1 v 14.33 14.3 14.43 = 14.39 .04 .04
14.43 14.4 v 1 m 14.53 14.5

X7007

13.31 13.3 f 2 v 13.51 13.5 13.45 = 13.48 .03 .03
13.45 13.4 v 2 g 13.65 13.6

X7008

13.31 13.3 f 3 v 13.61 13.6 13.45 = 13.53 .08 .08
13.45 13.4 v 2 g 13.65 13.6

X7009

13.65 13.6 g 3 v 13.95 13.9 13.77 = 13.86 .09 .09
13.79 13.8 v 2 h 13.97 14.0

X7010

14.5 14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 .02 .02
14.59 14.6 v 2 m 14.79 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 20, 1896

Variable No 5. (N 5)

X6813

✓	14.25 / 14.2	l 1 v	14.38 / 14.3	14.33 = / 14.3 =	14.34 / 14.30	.01 / 00	.01 / 00
	14.33 / 14.3	v 2 w	14.33 / 14.5				

X6814

✓	14.53 / 14.5	m 2 v	14.73 / 14.7	14.69 = / 14.6 =	14.66 / 14.65	.07 / 05	.07 / 05
	14.59 / 14.6	v 2 w	14.79 / 14.8				

X6815

	14.53 / 14.5	m 1 v	14.63 / 14.6	14.69 = / 14.7 =	14.66 / 14.65	.03 / 05	.03 / 05
✓	14.69 / 14.7	v 1 w	14.79 / 14.8				

X6816

	14.79 / 14.8	w 1 v	14.89 / 14.9	14.79 = / 14.8 =	14.84 / 14.85	.05 / 05	.05 / 05
✓	14.79 / 14.8	v 2 0	14.99 / 15.0				

X6817

✓	14.79 / 14.8	w = .2	< 14.99				
		v w.s	15.0 / < 14.2	See p 124			

X7007

✓	14.53 / 14.5	m 1 v	14.63 / 14.6	14.59 = / 14.6 =	14.61 / 14.60	.02 / 00	.02 / 00
	14.59 / 14.6	v 2 w	14.79 / 14.8				

X7008

✓	14.53 / 14.5	w 2 v	14.73 / 14.7	14.59 = / 14.6 =	14.66 / 14.65	.07 / 05	.07 / 05
	14.59 / 14.6	v 2 w	14.79 / 14.8				

X7009

✓	14.79 / 14.8	w 1 v	14.89 / 14.9	14.79 = 14.84 / 14.8 = 14.85	.05 .05 / 05 05		
	14.79 / 14.8	v 2 0	14.99 / 15.0				

X7010

	14.79 / 14.8	w 2 v	14.89 / 14.9	14.89 = 14.84 / 14.9 = 14.95	.03 .05 / 05 05		
	14.89 / 14.9	v 1 0	14.99 / 15.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

Jan 20, 1896

Variable No. 17 (M5)

X6813

	14.79		14.89	14.79 =	14.84	.05	.05
✓	14.8	m 1 v	14.9	14.8 =	14.85	05	05
	14.79		14.99				
	14.8	v 2 0	15.0				

X6814

	13.65		13.85	13.67 =	13.76	.09	.09
✓	13.6	g 2 v	13.8	13.7 =	13.75	05	05
	13.67		13.97				
	13.7	v 3 h	14.0				

X6815

	13.65		13.98	13.77 =	13.86	.09	.09
✓	13.6	g 3 v	13.9	13.8 =	13.85	05	05
	13.77		13.97				
	13.8	v 2 h	14.0				

X6816

✓	13.65		13.85	13.77 =	13.81	.04	.04
	13.6	g 2 v	13.8	13.8 =	13.80	00	00
	13.77		13.97				
	13.8	v 2 h	14.0				

X6817

	13.65		13.85	13.77 =	13.81	.04	.04
✓	13.6	g 2 v	13.8	13.8 =	13.80	00	00
	13.77		13.97				
	13.8	v 2 h	14.0				

X7007

	14.79		14.89	14.79 =	14.84	.05	.05
✓	14.8	m 1 v	14.9	14.8 =	14.85	05	05
	14.79		14.99				
	14.8	v 2 0	15.0				

X7008

✓	14.79		14.89	14.79 =	14.84	.05	.05
	14.8	m 1 v	14.9	14.8 =	14.85	05	05
	14.79		14.99				
	14.8	v 2 0	15.0				

X7009

	14.63		14.73	14.69 =	14.71	.02	.02
✓	14.5	m 2 v	14.7	14.7 =	14.70	00	00
	14.69		14.79				
	14.7	v 1 m	14.8				

✓ X7010

	13.6		13.85	13.77 =	13.81	.04	.04
	13.65	g 2 v	13.8	13.8 =	13.80	00	00
	13.77		13.97				
	13.8	v 2 h	14.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 20, 1896

Variable No. 6 (M 5)

X6813

14.53			14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v		14.6	14.6 =	14.60	00	00
14.59			14.79				
14.6	v 2 m		14.8				

X6814

14.23			14.33	14.33 =	14.34	.01	.01
✓ 14.2	l 1 v		14.3	14.3 =	14.30	00	00
14.33			14.53				
14.3	v 2 m		14.5				

X6815

14.63			14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v		14.6	14.6 =	14.60	00	00
14.59			14.79				
14.6	v 2 m		14.8				

X6816

14.53			14.63	14.69 =	14.66	.03	.03
✓ 14.5	m 1 v		14.6	14.7 =	14.65	05	05
14.69			14.79				
14.7	v 1 m		14.8				

X6817

14.53			14.63	14.69 =	14.66	.03	.03
✓ 14.5	m 1 v		14.6	14.7 =	14.65	05	05
14.69			14.79				
14.7	v 1 m		14.8				

X7007

14.33			14.33	14.33 =	14.34	.01	.01
✓ 14.2	l 1 v		14.3	14.3 =	14.34	00	00
14.33			14.53				
14.3	v 2 m		14.5				

X7008

13.97			14.17	14.13 =	14.16	.01	.01
✓ 14.0	h 2 v		14.2	14.1 =	14.15	05	05
14.13			14.23				
14.1	v 1 l		14.2				

X7009

13.97			14.07	14.08 =	14.06	.01	.01
✓ 14.0	h 1 v		14.1	14.0 =	14.05	05	05
14.08			14.23				
14.0	v 2 l		14.2				

X7010

✓ 14.5			14.63	14.59 =	14.61	.02	.02
14.03	m 1 v		14.6	14.6 =	14.60	00	00
14.59			14.79				
14.6	v 2 m		14.8				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 20, 1896

Variable No. 27 (M5)

X6813

14.99 15.09 15.05 15.07 .02 .02
15.0 O 1 V 15.1 15.0 15.05 05 05
18.05 18.33
15.0 V 2 P 15.2

X6814

14.79 14.89 14.79 14.84 .05 .05
14.8 M 1 V 14.9 14.8 14.85 05 05
✓ 14.79 14.99
14.8 V 20 15.0

X6815

14.79 14.89 14.79 14.84 .05 .05
14.8 M 1 V 14.9 14.8 14.85 05 05
✓ 14.79 14.99
14.8 V 20 15.0

X6816

14.63 14.63 14.69 14.66 .03 .03
✓ 14.5 M 1 V 14.6 14.7 14.65 05 05
14.69 14.79
14.7 V 1 W 14.8

X6817

✓ 14.23 14.33 14.43 14.39 .04 .04
14.2 L 1 V 14.3 14.4 14.35 05 05
14.43 14.53
14.4 V 1 W 14.5

X7007

14.79 14.89 14.79 14.84 .05 .05
✓ 14.8 M 1 V 14.9 14.8 14.85 05 05
14.79 14.99
14.8 V 20 15.0

X7008

14.53 14.73 14.69 14.71 .02 .02
✓ 14.5 M 2 V 14.7 14.7 14.70 00 00
14.69 14.79
14.7 V 1 W 14.8

X7009

✓ 14.53 14.73 14.69 14.71 .02 .02
14.5 M 2 V 14.7 14.7 14.70 00 00
14.69 14.79
14.7 V 1 W 14.8

X7010

✓ 14.8 14.89 14.79 14.84 .05 .05
14.74 M 1 V 14.9 14.8 14.85 05 05
14.79 14.99
14.8 V 20 15.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 21, 1896

Variable No 40 (M5)

X6805 X6805

13.97 m 1 v h 1 v 14.07 14.03 = 14.06 .01 .01
14.0 14.0 14.0 = 14.05 05 05
14.03 v 2 m v 2 l 14.23
14.0 14.2

X6785 X6785

53 63 61 .02 .02
14.53 14.59 14.59 = 14.60 00 00
14.59 v 1 m v 2 m 14.79
14.6 14.8

X6637 X6637

13.97 h 1 v h 2 v 14.17 14.13 = 14.16 .01 .01
14.0 14.1 14.15 05 05
14.13 v 2 l v 1 l 14.33
14.1 14.2

X7000 X7000

14.79 m 1 v m 1 v 14.89 14.79 = 14.84 .05 .05
14.8 14.9 14.8 = 14.85 05 05
14.79 v 2 m v 2 0 14.99
14.8 15.0

X6991 X6991

14.23 m 1 v l 2 v 14.43 14.43 = 14.44 .01 .01
14.2 14.4 14.4 = 14.40 00 00
14.43 v 2 m v 1 m 14.53
14.4 14.5

X6981 X6981

13.97 m 1 v h 2 v 14.17 14.03 = 14.11 .06 .06
14.0 14.2 14.0 = 14.10 10 10
14.03 v 2 m v 2 l 14.23
14.0 14.2

X6974 X6974

13.97 l 2 v h 1 v 14.07 14.03 = 14.06 .01 .01
14.0 14.1 14.0 = 14.05 05 05
14.03 v 1 m v 2 l 14.23
14.0 14.2

X6960 X6960

14.53 m 1 v m 1 v 14.63 14.59 = 14.61 .02 .02
14.5 14.6 14.6 = 14.60 00 00
14.59 v 2 m v 2 m 14.79
14.6 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

Jan 21, 1896

Variable No. 40 (N5)

X6958 X6958

14.53 14.5 g 2 v 14.39 14.6 v 1 k — m 1 v — v 2 w — 14.63 14.6 14.59 14.6 = 14.61 14.60 .02 .00 .02 .00 — 14.79 14.8

X6956 X6956

14.79 14.8 g 2 v 14.79 14.8 v 2 h — m 1 v — v 2 0 — 14.89 14.9 14.79 14.8 = 14.84 14.85 .05 .05 — 14.99 15.0

X7043 X7043

14.53 14.5 m 1 v 14.59 14.6 v 2 0 — m 1 v — v 2 w — 14.63 14.6 14.59 14.6 = 14.61 14.60 .02 .00 .02 .00 — 14.79 14.8

X7038 X7038

14.53 14.5 m 2 v 14.69 14.7 v 1 0 — m 2 v — v 1 w — 14.73 14.7 14.69 14.7 = 14.71 14.70 .02 .00 .02 .00 — 14.79 14.8

X7036 X7036

14.53 14.5 m 2 v 14.69 14.7 v 1 0 — m 1 v — v 1 w — 14.63 14.6 14.69 14.7 = 14.66 14.65 .03 .05 .03 .05 — 14.79 14.8

X7020 X7020

Var. N5. — var. N5 — < 14.1

X7018 X7018

14.28 14.2 0 2 v 14.33 14.3 v 1 p — l 1 v — v 2 w — .3 14.43 14.3 14.33 = .4 14.38 14.30 .01 .06 .00 .01 .06 .00 — 14.53 14.5

X6821 X6821

13.97 14.0 m 1 v 14.13 14.1 v 2 0 — b 2 v — v 1 b — 14.17 14.2 14.13 14.1 = 14.16 14.15 .01 .05 .01 .05 — 14.23 14.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

Jan 21, 1896

Variable No. 40 (M 5)

X6829	X6829					
13.97		14.07	14.05 =	14.06	.01	.01
14.0	n 1 v v h 1 v	14.1	14.0 =	14.05	.05	.05
14.05		14.25				
14.0	v 2 0 v 2 l	14.2				
X6836	X6836					
13.97		14.07	14.05 =	14.06	.01	.01
14.0	m 2 v h 1 v	14.1	14.0 =	14.05	.05	.05
14.05		14.25				
14.0	v 2 m v 2 l	14.2				
X6877	X6877					
13.97		14.17	14.05 =	14.11	.06	.06
14.0	m 1 v h 2 v	14.2	14.0 =	14.10	.10	.10
14.05		14.25				
14.0	v 2 m v 2 l.	14.2				
X6806						
14.23		14.43	14.43 =	14.44	.01	.01
14.2	l 2 v	14.4	14.4 =	14.40	.00	.00
14.43		14.53				
14.4	v 1 m	14.5				
X6838						
14.53		14.63	14.59 =	14.61	.02	.02
14.5	m 1 v	14.6	14.6 =	14.60	.00	.00
14.59		14.79				
14.6	v 2 m	14.8				
X6784						
14.25		14.36	14.43 =	14.39	.04	.04
14.2	l 1 v	14.3	14.4 =	14.35	.05	.05
14.43		14.53				
14.4	v 1 m	14.5				
X6786						
13.97		14.17	14.15 =	14.16	.01	.01
14.0	h 2 v	14.2	14.1 =	14.15	.05	.05
14.15		14.25				
14.1	v 1 l	14.2				
X1482						
13.97		14.07	14.15	14.11	.04	.04
14.0	h 1 v	14.1	14.1 =	14.10	.00	.00
14.15		14.25				
14.1	v 1 l	14.2				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

Jan 21, 1896

Variable No 40 (N5)

X1486

13.97 14.0 h 1 v 14.07 14.1 14.13 = 14.1 14.11 14.10 .04 00 .04 00

14.13 14.1 v 1 l 14.28 14.2

X1530

var N.S.

X1690

var N.S

X1444

var N.S

X1421

13.97 14.0 h 1 v 14.07 14.1 14.18 = 14.1 14.11 14.10 .04 00 .04 00

14.13 14.1 v 1 l 14.28 14.2

X1428

var N.S

X1553

var N.S

X1586

14.38 14.2 l 1 v 14.38 14.3 14.33 = 14.34 14.36 .01 00 .01 00

14.28 14.3 v 2 m 14.53 14.5

X1749

var N.S

X1944

14.2 14.23 l 1 v 14.33 14.3 14.43 = 14.39 14.4 14.39 = 14.35 .04 05 .04 05

14.4 14.43 v 1 m

14.83 14.5

X1728

14.28 14.2 l 1 v 14.33 14.3 14.43 = 14.39 14.4 14.39 = 14.35 .04 05 .04 05

14.43 14.4 v 1 m 14.53 14.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

Jan 21, 1896

Var. No. 40 (M5)

		χ6763					
✓	13.68		13.95	13.77 =	13.86	.09	.09
	13.6	g 3 v	13.9	13.8 =	13.85	.05	.05
	13.77		13.97				
	13.8	v 2 h	14.0				

January 28, 1896

Variable No. 4 (M5)

		χ6763					
	13.68		13.85	13.67 =	13.76	.09	.09
✓	13.6	g 2 v	13.8	13.7 =	13.75	.05	.05
	13.67		13.97				
	13.7	v 3 h	14.0				
		χ6786					
	13.68		13.85	13.87 =	13.86	.01	.01
✓	13.6	g 2 v	13.8	13.9 =	13.85	.05	.05
	13.87		13.97				
	13.9	v 1 h	14.0				
		χ6784					
	13.97		14.07	14.08 =	14.06	.01	.01
✓	14.0	h 1 v	14.1	14.0 =	14.05	.05	.05
	14.08		14.38				
	14.0	v 2 l	14.2				
		χ6838					
	14.53		14.73	14.69 =	14.71	.02	.02
✓	14.5	m 2 v	14.7	14.7 =	14.70	.00	.00
	14.69		14.79				
	14.7	v 1 n	14.8				
		χ6806					
	13.97		14.07	14.18 =	14.11	.04	.04
✓	14.0	h 1 v	14.1	14.1 =	14.10	.00	.00
	14.18		14.28				
	14.1	v 1 l	14.2				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..vooL

January 28, 1896

Variable No. 4 (N5)

X6877

✓ 14.28	l 1 v	14.38	14.33 =	14.34	.01	.01
~~14.2~~		~~14.3~~	~~14.3~~ =	~~14.30~~	~~00~~	~~00~~
14.33	v 2 m	14.38				
~~14.3~~		~~14.5~~				

X6836

13.97						
✓ ~~14.0~~	h 2 v	14.17	14.08 =	14.11	.06	.06
		~~14.2~~	~~14.0~~ =	~~14.10~~	~~10~~	~~10~~
14.08	v 2 l	14.28				
~~14.0~~		~~14.2~~				

X6829

14.28						
✓ ~~14.2~~	l 2 v	14.48	14.43 =	14.44	.01	.01
		~~14.4~~	~~14.4~~ =	~~14.40~~	~~00~~	~~00~~
14.43	v 1 m	14.58				
~~14.4~~		~~14.5~~				

X6821

14.79						
✓ ~~14.8~~	m 1 v	14.89	14.79 =	14.84	.05	.05
		~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
14.79	v 2 0	14.99				
~~14.8~~		~~15.0~~				

X7018

13.31						
✓ ~~13.3~~	f 2 v	13.51	13.43 =	13.48	.03	.03
		~~13.5~~	~~13.4~~ =	~~13.45~~	~~05~~	~~05~~
13.43	v 2 g	13.68				
~~13.4~~		~~13.6~~				

✓ X7020

Var. N5

X7036

14.53						
✓ ~~4.5~~	m 1 v	14.63	14.59 =	14.61	.02	.02
		~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59	v 2 m	14.79				
~~14.6~~		~~14.8~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaeproj..968L

January 28, 1896

Variable No. 4 (M 5)

X7038

	14.53		14.63	14.59 =	14.61	.02	.02
✓	14.5	m 1 v	14.6	14.6 =	14.60	00	00
	14.59		14.79				
	14.6	v 2 m	14.8				

X7043

	14.25		14.43	14.43 =	14.44	.01	.01
✓	14.2	l 2 v	14.4	14.4 =	14.40	00	00
	14.43		14.53				
	14.4	v 1 m	14.5				

X6956

	14.74		14.89	14.79 =	14.84	.05	.05
✓	14.8	m 1 v	14.9	14.8 =	14.85	05	05
	14.79		14.99				
	14.8	v 2 0	15.0				

X6958

	14.79		14.89	14.89 =	14.89	00	00
✓	14.8	m 1 v	14.9	14.9 =	14.90	00	00
	14.89		14.99				
	14.9	v 1 0	15.0				

X6960

	13.97		14.17	14.15 =	14.16	.01	.01
✓	14.0	h 2 v	14.2	14.1 =	14.15	05	05
	14.15		14.25				
	14.1	v 1 l	14.2				

X6974

	14.53		14.63	14.59 =	14.61	.02	.02
✓	14.5	m 1 v	14.6	14.6 =	14.60	00	00
	14.59		14.79				
	14.6	v 2 m	14.8				

X6981

	14.79		14.89	14.79 =	14.84	.05	.05
✓	14.8	m 1 v	14.9	14.8 =	14.85	05	05
	14.79		14.99				
	14.8	v 2 0	15.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..166L

January 28, 1896

Variable No. 4 (N5)

χ 6991

✓ 14.79 14.8 m 2 v 14.89 14.9 v 1 0 — 14.99 15.0 / 14.99 15.0 — 14.89 = 14.9 = — 14.94 14.95 — .08 .05 — .08 .05

χ 7000

✓ 13.68 13.6 g 2 v 13.77 13.8 v 2 h — 13.88 13.8 / 13.97 14.0 — 13.77 = 13.8 = — 13.81 13.80 — .04 .00 — .04 .00

χ 6637

✓ 14.74 14.8 m 1 v 14.79 14.8 v 2 0 — 14.89 14.9 / 14.99 15.0 — 14.79 = 14.8 = — 14.84 14.85 — .08 .05 — .08 .05

χ 6785

✓ 13.31 13.3 14.0 g 3 v 13.45 13.4 v 2 g — 13.61 13.6 14.3 / 13.68 13.6 — 13.48 = 13.4 = — 13.63 13.50 — .08 .10 — .08 .10

χ 6805

✓ 14.79 14.8 m 1 v 14.79 14.8 v 2 0 — 14.89 14.9 / 14.99 15.0 — 14.79 = 14.8 = — 14.84 14.85 — .08 .05 — .08 .05

χ 1482

✓ 13.60 13.6 χ 1 v 13.77 13.8 v 2 h — 13.73 13.7 / 13.97 14.0 — 13.77 = 13.8 = — 13.76 13.75 — .01 .05 — .01 .05

✓ χ 1486
var. N5

✓ χ 1530
var. N 3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

January 28, 1896

Variable No. 4 (N 5)

✓ X 1690
Var. N.S

✓ X1444
Var. NS

✓ X 1421
Var. NS

✓ X1428
Var N.S

✓ X 1553
Var N.S

X1586

✓	14.23 ~~14.2~~	l 1 v	14.33 ~~14.3~~	14.33 = ~~14.3~~ =	14.34 14.30	.01 .01 ~~.00~~ ~~.00~~
	14.33 ~~14.3~~	v 2 m	14.33 ~~14.3~~			

✓ X1728
Var. N.S

✓ X1749
Var. NS

X1941

✓	13.97 ~~14.0~~	h 2 v	14.17 ~~14.2~~	14.18 = ~~14.1~~ =	14.16 14.13	.01 .05 ~~.05~~
	14.13 ~~14.1~~	v 1 l	14.23 ~~14.2~~			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668L

January 28, 1896

Variable No. 7 (M 5)

χ6763

	14.79		14.89	14.79 =	14.84	.05	.05
✓	~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
	14.79		14.99				
	~~14.8~~	v 2 0	~~15.0~~				

χ6805

	14.43		14.73	14.69 =	14.71	.02	.02
✓	~~14.5~~	m 2 v	~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	~~00~~
	14.69		14.79				
	~~14.7~~	v 1 m	~~14.8~~				

χ6785

	14.79		14.99	14.89 =	14.94	.05	.05
✓	~~14.8~~	m 2 v	~~15.0~~	~~14.9~~ =	~~14.95~~	~~05~~	~~05~~
	14.89		14.99				
	~~14.9~~	v 1 0	~~15.0~~				

χ6637

	13.63		13.85	13.77 =	13.81	.04	.04
✓	~~13.6~~	g 2 v	~~13.8~~	~~13.8~~ =	~~13.80~~	~~00~~	~~00~~
	13.77		13.97				
	~~13.8~~	v 2 b	~~14.0~~				

χ7000

	14.79		14.99	14.89 =	14.94	.05	.05
✓	~~14.8~~	m 2 v	~~15.0~~	~~14.9~~ =	~~14.95~~	~~05~~	~~05~~
	14.89		14.99				
	~~14.9~~	v 1 0	~~15.0~~				

χ6991

	14.79		14.89	14.79 =	14.84	.05	.05
✓	~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
	14.79		14.94				
	~~14.8~~	v 2 0	~~15.0~~				

χ6981

	14.79		14.99	14.79 =	14.89	.10	.10
✓	~~14.8~~	m 2 v	~~15.0~~	~~14.8~~ =	~~14.90~~	~~10~~	~~10~~
	14.79		14.99				
	~~14.8~~	v 2 0	~~15.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaea.proj..968L

January 28, 1896

Variable No. 7 (M5)

χ6974

14.79 14.8 m 2 v 14.99 15.0 14.89 = 14.94 .05 .05
14.89 14.9 v 1 0 14.99 15.0

χ6960

14.83 14.5 m 2 v 14.73 14.7 14.69 = 14.71 .02 .02
14.69 14.7 v 1 m 14.79 14.8

χ6958

14.83 14.5 m 2 v 14.73 14.7 14.69 = 14.71 .02 .02
14.69 14.7 v 1 m 14.79 14.8

χ6956

14.79 14.8 m 1 v 14.89 14.9 14.79 = 14.84 .05 .05
14.79 14.8 v 2 0 14.99 15.0

χ7043

14.79 14.8 m 2 v 14.99 15.0 14.89 = 14.94 .05 .05
14.89 14.9 v 1 0 14.99 15.0

χ7038

14.83 14.5 m 2 v 14.73 14.7 14.69 = 14.66 .07 .07
14.69 14.6 v 2 m 14.79 14.8

χ7036

14.79 14.8 m 1 v 14.89 14.9 14.79 = 14.84 .05 .05
14.79 14.8 v 2 0 14.99 15.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 28, 1896

Variable No. 7 (M 5)

✓ X 7020
Var. N.S

X 7018

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.8	n 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

X 6821

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.8	n 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

X 6829

14.79			14.99	14.79 =	14.89	.10	.10
✓ 14.8	n 2 v		15.0	14.8 =	14.90	10	10
14.79			14.99				
14.8	v 2 0		15.0				

X 6836

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.8	n 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

X 6877

13.97			14.17	14.05 =	14.11	.06	.06
✓ 14.0	h 2 v		14.2	14.0 =	14.10	10	10
14.05			14.23				
14.0	v 2 l		14.2				

X 6806

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.8	n 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No. 7 (N 5)

X 6838

~~13.31~~	f 3 v	~~13.61~~	~~13.43~~ =	~~13.53~~	.08	.08
~~13.43~~	v 2 g	~~13.68~~				

X 6784

~~13.68~~	g 2 v	~~13.83~~	~~13.87~~ =	~~13.86~~	.01	.01
~~13.87~~	v 1 w	~~13.97~~				

X 6786

~~14.79~~	w 1 v	~~14.89~~	~~14.79~~ =	~~14.84~~	.05	.05
~~14.79~~	v 2 0	~~14.99~~				

X 1749

Var. N 5

X 1728

Var N 5

X 1586

~~13.68~~	g 1 v	~~13.73~~	~~13.77~~ =	~~13.76~~	.01	.01
~~13.77~~	v 2 w	~~13.97~~				

X 1553

Var. N. S

X 1428

Var N 5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No. 7 (N5)

✓ X 1421
Var. N 9

✓ X 1477
Var N S

✓ X 1690
g 2 v 13.65 13.6 13.87 13.9 | 13.88 13.8 | 13.87 = 13.9 | 13.86 13.85 | .01 .00 | .01 .05
v 1 w 13.97 14.0

✓ X 1530
Var N S

✓ X 1486
Var N S

✓ X 1482
Var N S

✓ X 1941
Var N S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No 2 (M5)

X 6763

✓ 14.53 14.5 m 2 v 14.73 14.7 14.59 = 14.66 14.6 = .07 .05 .07 .05
14.59 14.6 v 2 m 14.79 14.8

X 6786

✓ 13.31 13.3 f 3 v 13.31 13.6 13.43 = 13.38 13.4 = .07 .10 .10
13.43 13.4 v 2 g 13.65 13.6

✓ X 6784
Var NS

X 6838

✓ 14.53 14.5 m 2 v 14.73 14.7 14.59 = 14.66 14.6 = .07 .05 .07 .05
14.59 14.6 v 2 m 14.79 14.8

X 6806

✓ 14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 14.60 .02 .00 .02 .00
14.59 14.6 v 2 m 14.79 14.8

X 6877

✓ 14.23 14.2 l 2 v 14.43 14.4 14.43 = 14.44 14.40 .01 .00 .01 .00
14.43 14.4 v 1 m 14.53 14.5

X 6836

✓ 13.63 13.6 g 1 v 13.73 13.7 13.77 = 13.76 13.75 .01 .05 .01 .05
13.77 13.8 v 2 h 13.97 14.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No. 2 (N 5)

X6829

✓ 14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 14.60 .02 00 .02 00
14.59 14.6 v 2 m 14.79 14.8

X6821

✓ 14.53 14.5 m 2 v 14.73 14.7 14.69 = 14.71 14.70 .02 00 .02 00
14.69 14.7 v 1 m 14.79 14.8

X7018

✓ 14.23 14.2 c 1 v 14.33 14.3 14.43 = 14.39 14.35 .04 05 .04 05
14.43 14.4 v 1 m 14.53 14.5

✓ X7020
var. N.S

X7036

✓ 14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 14.60 .02 00 .02 00
14.59 14.6 v 2 m 14.79 14.8

X7038

✓ 13.63 13.6 g 1 v 13.73 13.7 13.77 = 13.76 13.75 .01 05 .01 05
13.77 13.8 v 2 h 13.97 14.0

X7043

✓ 14.53 14.5 m 1 v 14.63 14.6 14.59 = 14.61 14.60 .02 00 .02 00
14.59 14.6 v 2 m 14.79 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No 2 (N 5)

χ 6956

	13.97		14.17	14.13	14.16	.01	.01
✓	14.0	h 2 v	14.2	14.1	14.15	.05	.05
	14.13		14.23				
	14.1	v 1 l	14.2				

χ 6958

	13.97		14.17	14.08	14.11	.06	.06
✓	14.0	h 2 v	14.2	14.0	14.10	.10	.10
	14.08		14.28				
	14.0	v 2 l	14.2				

χ 6960

	14.83		14.73	14.69	14.71	.02	.02
✓	14.5	m 2 v	14.7	14.7	14.70	.00	.00
	14.69		14.79				
	14.7	v 1 m	14.8				

χ 6974

	13.97		14.07	14.08	14.06	.01	.01
✓	14.0	h 1 v	14.1	14.0	14.05	.05	.05
	14.08		14.28				
	14.0	v 2 l	14.2				

χ 6981

	13.91		13.81	13.48	13.48	.03	.03
✓	13.3	f 2 v	13.5	13.4	13.45	.05	.05
	13.48		13.68				
	13.4	v 2 g	13.6				

χ 6991

	13.97		14.07	14.08	14.06	.01	.01
✓	14.0	h 1 v	14.1	14.0	14.05	.05	.05
	14.03		14.23				
	14.0	v 2 l	14.2				

χ 7000

	13.68		13.88	13.77	13.81	.04	.04
✓	13.6	g 2 v	13.8	13.8	13.80	.00	.00
	13.77		13.97				
	13.8	v 2 h	14.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 28, 1896

Variable No. 2. (M5)

X6637

✓ 14.83 14.5 m 1 v 14.63 14.6 14.89 = 14.6 14.61 14.60 .02 .02

14.89 14.6 v 2 n 14.79 14.8

X6785

✓ 13.68 13.6 g 2 v 13.88 13.8 13.87 = 13.9 13.86 13.85 .01 .01

13.87 13.9 v 1 h 13.97 14.0

X6805

✓ 14.83 14.5 m 1 v 14.63 14.6 14.89 = 14.6 14.61 14.60 .02 .02

14.89 14.6 v 2 n 14.79 14.8

X1941

✓ 13.31 13.3 f 2 v 13.51 13.5 13.40 = 13.4 13.45 13.45 .03 .05

13.48 13.4 v 2 g 13.68 13.6

✓ X1749 var. N5

X1728

13.97 14.0 h 1 ~~k~~ 14.07 14.1 14.18 = 14.1 14.11 14.10 .04 .04

✓ 14.18 14.1 v 1 l 14.28 14.2

✓ X 1586 var. N3

✓ X1553 var. N5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj . 9681

January 28, 1896

Variable No 2. (M 5)

✓ X 1428
Var. N.S

✓ X 1421
Var. N.S

✓ X 1444
Var. N.S

✓ X 1690
Var N.S

✓ X 1530
Var N.S

X 1486

	13.31		13.81	13.8-8 =	13.83	.02	.02
✓	~~13.3~~ f 2 v		~~13.5~~	~~13.5~~ =	13.80	~~00~~	~~01~~
	~~13.8-8~~		13.68				
	~~13.5~~ v i g		~~13.6~~				

✓ X 1482
Var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 29, 1896

Variable No. 3. (N5)

χ6805

	14.83						
✓	~~14.5~~	m 2 v	~~14.7~~	~~14.7 = 14.70~~	~~00~~	~~00~~	
	14.69		14.79				
	~~14.7~~	v 1 w	~~14.8~~				

	14.83						
	~~14.5~~	χ6763	~~14.7~~				
✓		m 2 v		14.73	14.69 = 14.71	.02	.02
				~~14.7 =~~	~~14.70~~	~~00~~	~~00~~
	14.69		14.79				
	~~14.7~~	v 1 w	~~14.8~~				

χ6785

	13.97		14.17				
✓	~~14.0~~	h 2 v	~~14.2~~	14.03 =	14.11	.06	.06
	14.03		14.28	~~14.0 =~~	~~14.10~~	~~10~~	~~10~~
	~~14.0~~	v 2 l	~~14.2~~				

χ6637

	13.68		13.98				
✓	~~13.6~~	g 3 v	~~13.9~~	13.77 =	13.86	.09	.09
	13.77		13.97	~~13.8 =~~	~~13.85~~	~~05~~	~~05~~
	~~13.8~~	v 2 h	~~14.0~~				

χ7000

	14.79		14.89				
✓	~~14.8~~	n 1 v	~~14.9~~	14.79 =	14.84	.08	.08
	14.79		14.99	~~14.8 =~~	~~14.85~~	~~05~~	~~05~~
	~~14.8~~	v 2 0	~~15.0~~				

χ6991

	14.79		14.99				
✓	~~14.8~~	n 2 v	~~15.0~~	14.89 =	14.94	.06	.08
	14.89		14.99	~~14.9 =~~	~~14.95~~	~~05~~	~~05~~
	~~14.9~~	v 1 0	15.0				

χ6981

	13.68		13.88				
✓	~~13.6~~	g 2 v	~~13.8~~	13.87 =	13.86	.01	.01
	13.87		13.97	~~13.9 =~~	~~13.85~~	~~05~~	~~05~~
	~~13.9~~	v 1 h	~~14.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 29, 1896

Variable No 3. (M 5)

χ 6974

v	14.79 14.8 m 1 v	14.89 14.9	14.79 = 14.8	14.84 14.85	.05 .05	.05 .05
	14.79 14.8 v 2 0	14.99 15.0				

χ 6960

v	14.83 14.5 m 1 v	14.63 14.6	14.69 = 14.6	14.61 14.60	.02 .00	.02 .00
	14.89 14.6 v 2 n	14.79 14.8				

χ 6958

v	13.65 13.6 g 2 v	13.85 13.8	13.87 = 13.9 =	13.86 13.85	.01 .05	.01 .05
	13.87 13.9 v 1 h	13.97 14.0				

χ 6956

v	14.83 14.5 m 1 v	14.63 14.6	14.69 = 14.6 =	14.61 14.60	.02 .00	.02 .00
	14.89 14.6 v 2 n	14.79 14.8				

χ 7043

v	14.28 14.2 l 1 v	14.38 14.3	14.33 = 14.3 =	14.34 14.30	.01 .00	.01 .00
	14.33 14.3 v 2 m	14.43 14.5				

χ 7038

v	14.83 14.5 m 2 v	14.73 14.7	14.69 = 14.7 =	14.71 14.70	.02 .00	.02 .00
	14.69 14.7 v 1 n	14.79 14.8				

χ 7036

v	14.99 15.0 0 1 v	15.09 15.1	15.05 = 15.0 =	15.07 15.05	.02 .05	.02 .05
	15.05 15.0 v 2 p	15.25 15.2				

v χ 7030

Var. N 3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668t

January 29, 1896

Variable No 3. (N5)

X7018

	14.79		14.89	14.79 =	14.84	.05	.05
✓	~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
	14.79		14.99				
	~~14.8~~	v 2 0	~~15.0~~				

X6821

	14.83		14.73	14.69 =	14.71	.02	.02
✓	~~14.5~~	m 2 v	~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	~~00~~
	14.69		14.79				
	~~14.7~~	v 1 m	~~14.8~~				

X6829

✓	14.83		14.73	14.69 =	14.66	.07	.07
	~~14.5~~	m 2 v	~~14.7~~	~~14.6~~ =	~~14.65~~	~~05~~	~~05~~
	14.69		14.79				
	~~14.6~~	v 2 m	~~14.8~~				

X6836

	14.83		14.83	14.69 =	14.71	.12	.12
✓	~~14.5~~	m 3 v	~~14.8~~	~~14.6~~ =	~~14.70~~	~~10~~	~~10~~
	14.69		14.79				
	~~14.6~~	v 2 m	~~14.8~~				

X6837

	14.83		14.63	14.69 =	14.61	.02	.02
✓	~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	00
	14.69		14.79				
	~~14.6~~	v 2 m	~~14.8~~				

X6806

	14.83		14.73	14.69 =	14.71	.02	.02
✓	~~14.5~~	m 2 v	~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	00
	14.69		14.79				
	~~14.7~~	v 1 m	~~14.8~~				

X6838

	14.83		14.63	14.69 =	14.61	.02	.02
✓	~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	00
	14.69		14.79				
	~~14.6~~	v 2 m	~~14.8~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 29, 1896

Variable No 3 (N 5)

✓ X 6784
Var. N.S

X 6786

14.53 14.5 m 2 v 14.73 14.7 14.69 = 14.7 14.71 14.70 .02 .00 .02 .00
14.69 14.7 v 1 w 14.79 14.8

✓ X 1482
var N.S

✓ X 1486
var. N.S

X 1530

13.68 13.6 q 2 v 13.86 13.8 13.77 = 13.8 13.81 13.80 .04 .02 .04 .00
13.77 13.8 v 2 h 13.97 14.0

✓ X 1690
var. N.S

✓ X 1444
var N.S

✓ X 1421
var N.S

✓ X 1428
var. N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

January 29. 1896

Variable No 3. (1885)

✓ X1553
var. N S

X1586

13.63⁻
✓ ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~.05~~ ~~.05~~ .01 .01
13.87
~~13.9~~ v 1 w 13.97 ~~14.0~~
13.88⁻ 13.87 =

✓ X1728
var N S

✓ X1749
var. N S

X1941

13.97
✓ ~~14.0~~ h 1 v ~~14.1~~ ~~14.0~~ = ~~14.05~~ ~~.05~~ ~~.05~~ .01 .01
14.08⁻
~~14.0~~ v 2 l ~~14.2~~ 14.28⁻
14.07 14.05⁻ =

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 29, 1896

Variable No 5. (M 5)

X6763

13.63		13.85	13.67 =	13.76	.09	.09
✓ 13.6	g 2 v	13.8	13.7 =	13.75	.05	.05
13.67		13.97				
13.7	v 3 h	14.0				

X6786

13.68		13.85	13.77 =	13.81	.04	.04
✓ 13.6	g 2 v	13.8	13.8 =	13.80	.00	.00
13.77		13.97				
13.8	v 2 h	14.0				

X6784

13.97		14.07	14.05 =	14.06	.01	.01
✓ 14.0	h 1 v	14.1	14.0 =	14.05	.05	.05
14.05		14.85				
14.0	v 2 l	14.2				

X6838

14.53		14.73	14.59 =	14.66	.07	.07
✓ 14.5	m 2 v	14.7	14.6 =	14.65	.05	.05
14.59		14.79				
14.6	v 2 w	14.8				

X6805

14.53		14.73	14.69 =	14.71	.02	.02
✓ 14.5	m 2 v	14.7	14.7 =	14.70	.00	.00
14.69		14.79				
14.7	v 1 w	14.8				

X6806

14.53		14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v	14.6	14.6 =	14.60	.00	.00
14.59		14.79				
14.6	v 2 n	14.8				

X6877

13.31		13.51	13.40 =	13.48	.03	.03
✓ 13.3	f 2 v	13.5	13.4 =	13.45	.05	.05
13.48		13.68				
13.5	v 3 g	13.6				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 29, 1896

Variable No 5 (N5)

X6836

14.79 / ~~14.8~~ w 1 v — 14.89 / ~~14.9~~ — 14.79 = / ~~14.8~~ = — 14.84 / ~~14.85~~ — .08 / ~~.05~~ — .03 / ~~.05~~

~~14.79~~ / ~~14.8~~ v 2 0 — 14.99 / ~~15.0~~

X6829

13.91 / ~~13.9~~ / 13.48 / ~~13.4~~ f 3 v — 13.61 / ~~13.6~~ / 13.68 — 13.48 = / ~~13.4~~ = — ~~13.50~~ — .08 — ~~.10~~ — .08 — ~~.10~~

~~13.4~~ v 2 g — ~~13.6~~

X6821

13.97 / ~~14.0~~ / 14.08 / ~~14.0~~ h 2 v — 14.17 / ~~14.2~~ / 14.28 — 14.08 = / ~~14.0~~ = — ~~14.10~~ — .06 — ~~.10~~ — .06 — ~~.10~~

~~14.0~~ v 2 l — ~~14.2~~

X7018

13.31 / ~~13.3~~ / 13.38 / ~~13.3~~ f 2 v — 13.51 / ~~13.5~~ / 13.68 — 13.38 = / ~~13.3~~ = — 13.43 / ~~13.40~~ — .05 — ~~.10~~ — .08 — ~~.10~~

~~13.3~~ v 3 g — ~~13.6~~

X7020

Var N3

X7036

13.97 / ~~14.0~~ / 14.08 / ~~14.0~~ h 1 v — 14.07 / ~~14.1~~ / 14.32 / ~~14.2~~ — ~~14.0~~ — 14.08 = / ~~13.8~~ = — 14.06 / ~~14.05~~ — .01 — ~~.05~~ — .01 — ~~.05~~

~~13.8~~ v 2 l — ~~14.0~~

14.03 / ~~14.5~~ X7038

14.59 / ~~14.6~~ m 1 v — 14.63 / ~~14.6~~ — 14.59 = / ~~14.6~~ = — 14.61 / ~~14.60~~ — .02 — ~~.00~~ — .02 — ~~.00~~

~~14.6~~ v 2 w — 14.79 / ~~14.8~~

X7043

13.97 / ~~14.0~~ / 14.08 / ~~14.0~~ h 1 v — 14.07 / ~~14.1~~ / 14.28 / ~~14.2~~ — 14.08 = / ~~14.0~~ = — 14.06 / ~~14.05~~ — .01 — ~~.05~~ — .01 — ~~.05~~

~~14.0~~ v 2 l — ~~14.2~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 29, 1896

Variable No. 5 (M5)

X6956

14.83			14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v		14.6	14.6 =	14.60	00	00
14.59			14.79				
14.6	v 2 n		14.8				

X6958

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.6	m 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

X6960

14.79			14.89	14.79 =	14.84	.05	.05
✓ 14.8	m 1 v		14.9	14.8 =	14.85	05	05
14.79			14.99				
14.8	v 2 0		15.0				

X6974

14.83			14.73	14.69 =	14.71	.02	.02
✓ 14.5	m 2 v		14.7	14.7 =	14.70	00	00
14.69			14.79				
14.7	v 1 w		14.8				

X6981

14.83			14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v		14.6	14.6 =	14.60	00	00
14.59			14.79				
14.6	v 2 n		14.8				

X6991

13.65			13.95	13.77 =	13.86	.09	.09
✓ 13.6	q 3 v		13.9	13.8 =	13.85	05	05
13.77			13.97				
13.8	v 2 h		14.0				

X7000

13.85			13.85	13.87 =	13.86	.01	.01
✓ 13.6	q 2 v		13.8	13.9 =	13.85	05	05
13.87			13.97				
13.9	v 1 w		14.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..668t

January 29, 1896

Variable No. 5 (N5)

X6637

	13.97		14.07	14.05 =	14.06	.01	.01
✓	~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~05~~	~~05~~
	14.05		14.25				
	~~14.0~~	v 2 l	~~14.2~~				

X6785

	13.97		14.07	14.05 =	14.06	.01	.01
✓	~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~05~~	~~05~~
	14.05		14.25				
	~~14.0~~	v 2 l.	~~14.2~~				

✓ X1482

Var N3

X1486

	13.65		13.75	13.77 =	13.76	.01	.01
✓	~~13.6~~	g 1 v	~~13.7~~	~~13.8~~ =	~~13.75~~	~~05~~	~~05~~
	13.77		13.97				
	~~13.8~~	v 2 w	~~14.0~~				

✓ X1530

var N3

X1690

	13.65		13.75	13.77 =	13.76	.01	.01
✓	~~13.6~~	g 1 v	~~13.7~~	~~13.8~~ =	~~13.75~~	~~05~~	~~05~~
	13.77		13.97				
	~~13.8~~	v 2 w	~~14.0~~				

X1444

	13.31		13.47	13.53 =	13.53	.02	.02
✓	~~13.3~~	f 2 v	~~13.5~~	~~13.5~~ =	~~13.50~~	~~00~~	~~00~~
	13.53		13.63				
	~~13.5~~	v 1 g	~~13.6~~				

✓ X1421

var. N3

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 29, 1896

Variable No. 5 (N 5)

✓ X 1428
Var N.S

✓ X 1553
Var NS

✓ X 1586
Var N.S.

X1728

13.31		13.41	13.45⁻ =	13.43	.02	.03
✓ ~~13.3~~ 13.43	f i v	~~13.4~~ 13.63⁻	~~13.4 =~~	~~13.42~~	00	~~00~~
~~13.4~~	v 2.g	~~13.6~~				

✓ X1749
Var. NS

X1941

13.97		14.07	14.03⁻ =	14.06	.01	.01
✓ ~~14.0~~ 14.03⁻	h i v	~~14.1~~ 14.23⁻	~~14.0 =~~	~~14.05~~	~~05~~	~~05~~
~~14.0~~	v n l	~~14.2~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 30 1896

Variable No. 6 (N 5)

X6786

13.97			14.07	14.05 =	14.06	.01	.01
✓ 14.0	h 1 v		14.1	14.0 =	14.05	.05	.05
14.05			14.25				
14.0	v 2 l		14.2				

X6763

13.97			14.17	14.05 =	14.11	.06	.06
✓ 14.0	h 2 v		14.2	14.0 =	14.10	.10	.10
14.05			14.25				
14.0	v 2 l		14.2				

X6785

13.97			14.17	14.15 =	14.16	.01	.01
✓ 14.2	h 2 v		14.2	14.1 =	14.15	.05	.05
14.15			14.25				
14.1	v 1 l		14.2				

X6637

1331			13.51	13.45 =	13.48	.03	.03
✓ 13.3	f 2 v		13.5	13.4 =	13.45	.05	.05
13.45			13.65				
13.4	v 2 g		13.6				

X7000

13.65			13.85	13.87 =	13.86	.01	.01
✓ 13.6	g 2 v		13.8	13.9 =	13.85	.05	.05
13.87			13.97				
13.9	v 1 h		14.0				

X6991

13.65			13.95	13.77 =	13.86	.09	.09
✓ 13.6	g 3 v		13.9	13.8 =	13.85	.05	.05
13.77			13.97				
13.8	v 2 h		14.0				

X6981

13.97			14.07	14.05 =	14.06	.01	.01
✓ 14.0	h 1 v		14.1	14.0 =	14.05	.05	.05
14.05			14.25				
14.0	v 2 l		14.2				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 30, 1896

Variable No. 6 (M 5)

χ 6974

14.53		14.63	14.59 =	14.61	.02	.02
~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~.00~~	~~.00~~
14.59		14.79				
~~14.6~~	v 2 m	~~14.8~~				

χ 6960

13.97		14.07	14.05 =	14.06	.01	.01
~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~.05~~	~~.05~~
14.05		14.25				
~~14.0~~	v 2 l	~~14.2~~				

χ 6956

14.53		14.63	14.59 =	14.61	.02	.02
~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~.00~~	~~.00~~
14.59		14.79				
~~14.6~~	v 2 m	~~14.8~~				

χ 6956

13.65		13.95	13.77 =	13.86	.09	.09
~~13.6~~	g 3 v	~~13.9~~	~~13.8~~ =	~~13.85~~	~~.05~~	~~.05~~
13.77		13.97				
~~13.8~~	v 2 h	~~14.0~~				

χ 7043

13.65		13.85	13.77 =	13.81	.04	.04
~~13.6~~	g 2 v	~~13.8~~	~~13.8~~ =	~~13.80~~	~~.00~~	~~.00~~
13.77		13.97				
~~13.8~~	v 2 h	~~14.0~~				

χ 7038

13.97		14.07	14.05 =	14.06	.01	.01
~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~.05~~	~~.05~~
14.05		14.25				
~~13.8~~	v 2 l	~~14.2~~				
~~14.0~~						

χ 7036

13.65		13.85	13.77 =	13.81	.04	.04
~~13.6~~	g 2 v	~~13.8~~	~~13.8~~ =	~~13.80~~	~~.00~~	~~.00~~
13.77		13.97				
~~13.8~~	v 2 h	~~14.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 30, 1896

Variable No. 6 (N 5)

χ 7020

13.97
✓ ~~14.0~~ h = .1 < 14.07

v n.s ~~< 14.1~~

χ 7018

13.31 13.61 13.48 = 13.553 .08 .08
✓ ~~13.3~~ f 3 v ~~13.6~~ ~~13.4 =~~ ~~13.50~~ ~~10~~ ~~10~~
13.48 13.63
~~13.4~~ v 2 g ~~13.6~~

χ 6821

14.28 14.33 14.33 = 14.334 .01 .01
✓ ~~14.2~~ l 1 v ~~14.3~~ ~~14.3 =~~ ~~14.330~~ ~~00~~ ~~00~~
14.33
~~14.3~~ v 2 m 14.53
~~14.5~~

χ 6829

13.97 14.17 14.03 = 14.11 .06 .06
✓ ~~14.0~~ h 2 v ~~14.2~~ ~~14.0 =~~ ~~14.10~~ ~~10~~ ~~10~~
14.03 14.28
~~14.0~~ v 2 l ~~14.2~~

χ 6836

13.97 14.17 14.15 = 14.16 .01 .01
✓ ~~14.0~~ h 2 v ~~14.2~~ ~~14.1 =~~ ~~14.15~~ ~~05~~ ~~05~~
14.15 14.28
~~14.1~~ v 1 l ~~14.2~~

χ 6877

13.68 13.98 13.77 = 13.86 .09 .09
✓ ~~13.6~~ g 3 v ~~13.9~~ 13.8 = ~~13.85~~ ~~05~~ ~~05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

χ 6806

13.31 13.51 13.53 = 13.533 .02 .02
v ~~13.3~~ f 2 v ~~13.5~~ ~~13.5 =~~ ~~13.53~~ ~~00~~ ~~00~~
13.53 13.68
~~13.5~~ v 1 g ~~13.6~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

January 30, 1896

Variable No. 6 (M5)

χ6805

13.68 13.6 f 2 v 13.67 13.7 v 3 h — 13.85 13.8 — 13.97 14.0 — 13.67 = 13.7 = — 13.76 13.75 — .09 .05 — .09 .05

χ6838

13.68 13.6 g 2 v 13.77 13.8 v 2 h — 13.85 13.8 — 13.97 14.0 — 13.77 = 13.8 = — 13.81 13.80 — .04 .00 — .04 .00

χ6784

13.68 13.6 g 1 v 13.77 13.8 v 2 h — 13.75 13.7 — 13.97 14.0 — 13.77 = 13.8 = — 13.76 13.75 — .01 .05 — .01 .05

χ1482

13.68 13.6 g 2 v 13.87 13.9 v 1 h — 13.85 13.8 — 13.97 14.0 — 13.87 = 13.9 = — 13.86 13.85 — .01 .05 — .01 .05

χ1486

13.68 13.6 g 1 v 13.77 13.8 v 2 h — 13.75 13.7 — 13.97 14.0 — 13.77 = 13.8 = — 13.76 13.75 — .01 .05 — .01 .05

χ1530

v. ns

χ1690

13.31 13.3 f 1 v 13.45 13.4 v 2 g — 13.41 13.4 — 13.68 13.6 — 13.48 = 13.4 = — 13.43 13.40 — .02 .00 — .02 .00

ψ1444

13.90 13.0 e 3 v 13.11 13.1 v 2 f — 13.25 13.3 — 13.31 13.3 — 13.11 = 13.1 = — 13.18 13.20 — .07 .10 — .07 .10

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968t

January 30, 1896

Variable No. 6 (N5)

X1421

v v n,s ~~< 14.3~~

X1428

13.97
v ~~14.0~~ h = 2

v n,s ~~< 14.2~~ < 14.17

v X1553

v n,s

X1586

14.28
v ~~14.2~~ l i v ~~14.3~~ ~~14.33~~ ~~14.34~~ ~~.01~~ ~~.01~~

14.33 14.33
~~14.3~~ v 2 w ~~14.5~~

~~13.~~ X1728
13.65
v ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~.01~~ ~~.01~~

13.87 13.97
~~13.9~~ v i h ~~14.0~~

v X1749

v n,s

X1941

13.65
v ~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ = ~~13.85~~ ~~.01~~ ~~.01~~

13.87 13.97
~~13.9~~ v i w ~~14.0~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3 & 1896

Variable No. 8 (M5)

22h

χ6763

14.83		14.89	14.79 =	14.84	.05	.05
14.5	m 1 v	14.6	14.8 =	14.85	.05	.05
14.79		14.99				
14.8	v 2 0	15.0				

χ6784

Var. No. 5

χ6838

14.83		14.73	14.69 =	14.71	.02	.02
14.5	m 2 v	14.7	14.7 =	14.70	.00	.00
14.69		14.79				
14.7	v 1 m	14.8				

χ6805

14.28		14.33	14.33 =	14.34	.01	.01
14.2	l 1 v	14.3	14.3 =	14.30	.00	.00
14.33		14.53				
14.3	v 2 m	14.5				

χ6806

14.63		14.63					
14.5	m 1 v	14.6	14.79	14.79 =	14.74	.11	.05 .05
15.3		15.3	14.8 14.9 =	14.73	13	07	.07
14.79		14.79					
14.8	v 0 m	14.8					
14.8	v 2 0	14.99 15.0					
14.79							

χ6877

14.79		14.89	14.79 =	14.84	.05	.05
14.8	m 1 v	14.9	14.8 =	14.85	.05	.05
14.79		14.99				
14.8	v 2 0	15.0				

χ6836

13.97		14.24	14.18 =	14.21	.06	.06
14.0	h 3 v	14.3	14.1 =	14.20	.10	.10
14.18		14.28				
14.1	v 1 l	14.2				

χ6829

14.53		14.63	14.59 =	14.61	.02	.02
14.5	m 1 v	14.6	14.6 =	14.60	.00	.00
14.59		14.79				
14.6	v 2 m	14.8				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 8 (N5)

X6821

✓	13.97 14.0	h 3 v	14.27 14.3 14.08	14.08 = 14.0 =	14.16 14.15	.11 .15	.11 .15
	14.08 14.0	v 2 l	14.28 14.21				

X7018

✓	14.33 14.5 14.69 14.7	m 2 v	14.73 14.7 14.79 14.8	14.69 = 14.7 =	14.71 14.70	.02 .00	.02 .00
		v 1 m					

✓ X7020

var n,s

X7036

✓	13.97 14.0	h 1 v	14.07 14.1	14.08 14.0 = 13.8 =	14.06 14.05	.01 .05	.01 .05
	14.08 13.8 14.0	v 2 l	14.23 14.0				

X7038

✓	14.33 14.5 14.59 14.6	m 1 v	14.63 14.6 14.79 14.8	14.59 = 14.6 =	14.61 14.60	.02 .00	.02 .00
		v 2 m					

X7043

✓	13.31 13.3 13.48 13.4	f 3 v	13.61 13.6 13.68 13.6	13.48 = 13.4 =	13.53 13.50	.08 .10	.08 .10
		v 2 g					

X6956

✓	14.79 14.8 14.79 14.8	m 1 v	14.89 14.9 14.99 15.0	14.79 = 14.8 =	14.84 14.85	.08 .05	.08 .05
		v 2 o					

X6958

✓	14.33 14.5 14.59 14.6	m 1 v	14.63 14.6 14.79 14.8	14.59 = 14.6 =	14.61 14.60	.02 .00	.02 .00
		v 2 m					

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

February 3, 1896

Variable No. 8 (M5)

X6960

14.53 14.73 14.39 = 14.66 .07 .07
v ~~14.5~~ m 2 v ~~14.7~~ ~~14.6~~ = ~~14.65~~ ~~.05~~ ~~.05~~
14.59 14.79
~~14.6~~ v 2 w ~~14.8~~

X6974

13.97 14.07 14.05 = 14.06 .01 .01
v ~~14.0~~ h 1 v ~~14.1~~ ~~14.0~~ = ~~14.05~~ ~~.05~~ ~~.05~~
14.05 14.25
~~14.0~~ v 2 l ~~14.2~~

X6981

13.31 13.51 13.45 = 13.48 .03 .03
v ~~13.3~~ f 2 v ~~13.5~~ ~~13.4~~ = ~~13.45~~ ~~.05~~ ~~.05~~
13.43 13.65
~~13.4~~ v 2 g ~~13.6~~

X6991

14.79 14.89 14.79 = 14.84 .05 .05
v ~~14.8~~ m 1 v ~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~.05~~ ~~.05~~
14.79 14.99
~~14.8~~ v 2 o ~~15.0~~

1 X7010

14.79 14.89 14.79 = 14.84 .05 .05
v ~~14.8~~ m 1 v ~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~.05~~ ~~.05~~
14.79 14.99
~~14.8~~ v 2 o ~~15.0~~

X6637

13.68 13.95 13.77 = 13.86 .09 .09
v ~~13.6~~ g 3 v ~~13.9~~ ~~13.8~~ = ~~13.85~~ ~~.05~~ ~~.05~~
13.77 13.97
~~13.8~~ v 2 h ~~14.0~~

X6785 6 5 8 .08 .03

13.31 13.81 13.55 = 13.43 .12 .12
v ~~13.3~~ f 3 v ~~13.6~~ ~~13.5~~ = ~~13.55~~ ~~.05~~ ~~.05~~
13.55 13.65
~~13.5~~ v 1 g ~~13.6~~

X6786

14.79 14.89 14.79 = 14.84 .05 .05
v ~~14.8~~ m 1 v ~~14.9~~ ~~14.8~~ = ~~14.85~~ ~~.05~~ ~~.05~~
14.79 14.99
~~14.8~~ v 2 o ~~15.0~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..96L

February 3, 1896

Variable No. 8 (M5)

χ 1482

13.97		14.07	14.15 =	14.11	.04	.04
✓ ~~14.0~~	h 1 v	~~14.1~~	~~14.1~~ =	~~14.10~~	~~00~~	~~00~~
14.13		14.28				
~~14.1~~	v 1 l	~~14.2~~				

χ 1486

var. M.S

χ 1530

var. M.S

χ 1690

var M.S

χ 1447

13.68		13.78	13.77 =	13.76	.01	.01
✓ ~~13.6~~	h g 1 v	13.7	~~13.8~~ =	~~13.75~~	~~05~~	~~05~~
13.77		13.97				
~~13.8~~	v 2 h	~~14.0~~				

χ 1421

var. M.S

χ 1428

var. M.S

χ 1553

var M.S

χ 1586

13.97		14.07	~~14.15~~			
✓ ~~14.0~~	h 1 v	~~14.1~~	~~14.1~~ =	~~14.11~~	.04	.04
14.13		14.23	~~13.9~~		~~00~~	~~00~~
~~14.1~~						
~~13.9~~	v 1 l	~~14.2~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 8 (M 5)

✓ K 1728
var N.S

✓ K 1749
var. N.S

✓ K 1941
23 45 var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 9, (M 5)

W

0 30 χ6763

13.68 13.88 13.77 = 13.81 .04 .04
13.6 g 2 v 13.8 13.8 = 13.80 00 00
13.77 13.97
13.8 v 2 h 14.0

χ6786

13.97 14.07 14.05 = 14.06 .01 .01
14.0 h 1 v 14.1 14.0 = 14.05 05 05
14.05 14.23
14.0 v 2 l 14.2

χ6785

14.53 14.73 14.69 = 14.71 .02 .02
14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 m 14.8

χ6637

14.53 14.63 14.59 = 14.61 .02 .02
14.5 m 1 v 14.6 14.6 = 14.60 00 00
14.59 14.79
14.6 v 2 m 14.8

χ7000

14.53 14.63 14.59 = 14.61 .02 .02
14.5 m 1 v 14.6 14.6 = 14.60 00 00
14.59 14.79
14.6 v 2 m 14.8

χ6991

14.23 14.33 14.43 = 14.39 .04 .04
14.2 l 1 v 14.3 14.4 = 14.35 05 05
14.43 14.53
14.4 v 1 m 14.5

χ6981

13.97 14.07 14.05 = 14.06 .01 .01
14.0 h 1 v 14.1 14.0 = 14.05 05 05
14.05 14.23
14.0 v 2 l 14.2

χ6974

14.53 14.73 14.69 = 14.71 .02 .02
14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 m 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 9 (M5)

χ6960

14.79 14.8 m 1 v 14.89 14.9 14.79 = 14.8 14.84 14.80 .05 05 .05 05
14.79 14.8 v 2 0 14.99 15.0

χ6958

14.53 14.5 m 2 v 14.73 14.7 14.59 = 14.6 14.66 14.65 .07 05 .07 05
14.59 14.6 v 2 m 14.79 14.8

χ6956

13.97 14.0 b 1 v 14.07 14.1 14.05 = 14.0 14.06 14.05 .01 05 .01 05
14.05 14.0 v 2 l 14.25 14.2

7043

14.53 14.5 χ m 1 v 14.63 14.6 14.59 = 14.6 14.61 14.60 .02 00 .02 00
14.59 14.6 v 2 m 14.79 14.8

7038

14.20 14.2 χ l 2 v 14.43 14.4 14.43 = 14.4 14.44 14.40 .01 00 .01 00
14.43 14.4 v 1 m 14.53 14.5

χ7036

13.97 14.0 b 1 v 14.07 14.1 14.05 = 14.0 14.06 14.05 .01 05 .01 05
14.05 14.0 v 2 l 14.25 14.2

v χ7020

var ns

χ7018

13.97 14.0 b 2 v 14.17 14.2 14.13 = 14.1 14.16 14.15 .01 05 .01 05
14.13 14.1 v 1 l 14.28 14.2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 9 (M5)

χ 6821

14.53		14.63	14.59 =	14.61	.02	.02
✓ ~~14.5~~	m i v	~~14.6~~	~~14.6~~ =	14.60	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 n	~~14.8~~				

6829

13.97		14.07	14.05 =	14.06	.01	.01
✓ ~~14.0~~	χ h i v	~~14.1~~	~~14.0~~ =	~~14.05~~	~~05~~	~~05~~
14.05		14.25				
~~14.0~~	v 2 l	~~14.2~~				

χ 6836

13.81		13.51	13.55 =	13.53	.02	.02
v ~~13.3~~	f 2 v	~~13.5~~	~~13.5~~ =	~~13.50~~	~~00~~	~~00~~
13.53		13.65				
~~13.5~~	v i g	~~13.6~~				

~~14.5~~	χ 6877	~~14.6~~	~~14.7~~ =	~~14.65~~	~~05~~	~~05~~
v 14.53	m i v	14.63	14.69 =	14.66	.03	.03
14.69		14.79				
~~14.7~~	v i n	~~14.8~~				

✓ χ 6806

var ns

χ 6805

14.53		14.63	14.59 =	14.61	.02	.02
v ~~14.5~~	m i v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 n	~~14.8~~				

χ 6838

13.65		13.85	13.87 =	13.86	.01	.01
v ~~13.6~~	g 2 v	~~13.8~~	~~13.9~~ =	~~13.85~~	~~05~~	~~05~~
13.87		13.97				
~~13.9~~	v i h	~~14.0~~				

χ 6784

14.25		14.33	14.43 =	14.39	.04	.04
v ~~14.2~~	l i v	~~14.3~~	~~14.4~~ =	~~14.35~~	~~05~~	~~05~~
14.43		14.53				
~~14.4~~	v i m	~~14.5~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 3, 1896

Variable No. 9 (M5)

X 1482
var n,s

X 1486
var. n,s

X 1530
var n,s

X 1690
13.63 13.88 13.87 13.86 .01 .01
~~13.6~~ g 2 v ~~13.8~~ ~~13.9~~ ~~13.85~~ ~~.05~~ ~~.05~~
13.87 13.97
~~13.9~~ v 1 w ~~14.0~~

X 1444
var n,s

X 1421
var n,s

X 1428
var n,s

X 1553
var n,s

X 1586
var n,s

X 1749
var. n,s

X 1728
var n,s

1397 X 1941 14.07 14.18 = 14.11 .04 .04
~~14.0~~ w 1 v ~~14.1~~ 14.1 = 14.10 ~~.05~~ ~~.05~~
14.15 14.28
~~14.1~~ v 1 e 14.2

15

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

February 4. 1896

Variable No. 11 (N5)

h
23 00 χ6763

14.25		14.45	14.43 =	14.44	.01	.01
~~14.2~~	l 2 v	~~14.4~~	~~14.4~~ =	~~14.40~~	~~00~~	~~00~~
14.43		14.53				
~~14.4~~	v 1 m	~~14.5~~				

χ6784

13.31		13.51	13.33 =	13.43	.08	.08
~~13.3~~	f 2 v	~~13.5~~	~~13.3~~ =	~~13.40~~	~~10~~	~~10~~
13.360		13.65				
~~13.3~~	v 3 g	~~13.6~~				

χ6838

14.53		14.63	14.59 =	14.61	.02	.02
~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	14.60	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 m	~~14.8~~				

χ6805

13.31		13.61	13.45 =	13.53	.08	.08
~~13.3~~	f 3 v	~~13.5~~	~~13.4~~ =	~~13.45~~	~~05~~	~~05~~
13.43		13.65				
~~13.4~~	v 2 g	~~13.6~~				

χ6806

13.65		13.85	13.87 =	13.86	.01	.01
~~13.6~~	g 2 v	~~13.8~~	~~13.9~~ =	~~13.85~~	~~05~~	~~05~~
13.89		13.97				
~~13.9~~	v 1 h	~~14.0~~				

χ6877

13.65		13.85	13.77 =	13.81	.04	.04
~~13.6~~	g 2 v	~~13.8~~	~~13.8~~ =	~~13.80~~	~~00~~	~~00~~
13.77		13.97				
~~13.8~~	v 2 h	~~14.0~~				

χ6836

13.65		13.85	13.67 =	13.76	.09	.09
~~13.6~~	g 2 v	~~13.8~~	~~13.7~~ =	~~13.75~~	~~05~~	~~05~~
13.67		13.97				
~~13.7~~	v 3 h	~~14.0~~				

χ6829

13.65		13.85	13.67 =	13.76	.09	.09
~~13.6~~	g 2 v	~~13.8~~	~~13.7~~ =	~~13.75~~	~~05~~	~~05~~
13.67		13.97				
~~13.7~~	v 3 h	~~14.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

February 4, 1876

Variable No. 11 (M 5)

χ 6821

13.97		14.17	13.95 =	14.06	.11	.11
~~14.0~~	h 2 v	~~14.2~~	~~13.9~~ =	14.05	~~15~~	~~15~~
13.95		14.28				
~~13.9~~	v 3 l	~~14.2~~				

χ 7018

14.25		14.45	14.43 =	14.44	.01	.01
~~14.2~~	l 2 v	~~14.4~~	~~14.4~~ =	14.40	~~00~~	~~00~~
14.43		14.53				
~~14.4~~	v 1 m	~~14.5~~				

χ 7020

var NS

χ 7036

14.33		14.63	14.59 =	14.61	.02	.02
~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	14.60	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 m	~~14.8~~				

χ 7038

14.53		14.63	14.59 =	14.61	.02	.02
~~14.5~~	m 1 v	~~14.6~~	~~14.6~~ =	~~14.60~~	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 m	~~14.8~~				

χ 7043

13.97		14.17	14.05 =	14.11	.06	.06
~~14.0~~	h 2 v	~~14.2~~	~~14.0~~ =	14.10	~~10~~	~~10~~
14.05		14.25				
~~14.0~~	v 2 l	~~14.2~~				

χ 6956

13.97		14.07	14.00 =	14.06	.01	.01
~~14.0~~	h 1 v	~~14.1~~	~~14.0~~ =	14.05	~~05~~	~~05~~
14.05		14.25				
~~14.0~~	v 2 l	~~14.2~~				

χ 6958

14.25		14.45	14.33 =	14.39	.06	.06
~~14.2~~	l 2 v	~~14.4~~	~~14.3~~ =	14.35	~~05~~	~~05~~
14.33		14.53				
~~14.3~~	v 2 m	~~14.5~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

February 4, 1896

Variable No. 11 (N5)

χ 6960

13.31		13.01	13.35 =	13.43	.08	.05
~~13.3~~	f 2 v	~~13.5~~	~~13.3 =~~	~~13.40~~	~~10~~	~~10~~
✓ 13.35		13.65				
~~13.3~~	v 3 g	~~13.6~~				

χ 6974

14.53		14.73	14.59 =	14.66	.07	.07
✓ ~~14.5~~	m 2 v	~~14.7~~	~~14.6 =~~	~~14.65~~	~~05~~	~~05~~
14.59		14.79				
~~14.6~~	v 2 n	~~14.8~~				

χ 6981

13.81		13.81	13.88 =	13.83	.02	.02
✓ ~~13.8~~	f 2 v	~~13.5~~	~~13.5 =~~	~~13.50~~	~~00~~	~~00~~
13.88		13.68				
~~13.5~~	v 1 g	~~13.6~~				

χ 6991

14.53		14.73	14.69 =	14.71	.02	.02
✓ ~~14.5~~	m 2 v	~~14.7~~	~~14.7 =~~	~~14.70~~	~~00~~	~~00~~
14.69		14.79				
~~14.7~~	v 1 n	~~14.8~~				

χ 7000

14.63		14.63	14.59 =	14.61	.02	.02
✓ ~~14.5~~	m 1 v	~~14.6~~	~~14.6 =~~	~~14.60~~	~~00~~	~~00~~
14.59		14.79				
~~14.6~~	v 2 n	~~14.8~~				

χ 6637

12.65		13.75	13.67 =	13.71	.04	.04
~~13.6~~	g 1 v	~~13.7~~	~~13.7 =~~	~~13.70~~	~~00~~	~~00~~
✓ 13.67		13.97				
~~13.7~~	v 3 h	~~14.0~~				

χ 6785

14.25		14.35	14.33 =	14.34	.01	.01
~~14.2~~	l 1 v	~~14.3~~	~~14.3 =~~	~~14.30~~	~~00~~	~~00~~
✓ 14.33		14.53				
~~14.3~~	v 2 m	~~14.5~~				

χ 6786

13.65		13.85	13.67 =	13.76	.09	.09
~~13.6~~	g 2 v	~~13.8~~	~~13.7 =~~	13.75	~~05~~	~~05~~
✓ 13.67		13.97				
~~13.7~~	v 3 h	~~14.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj. .968L

February 4, 1896

Variable No. 11 (M5)

X1941

13.97		14.07	14.05⁻ =	14.06	.01	.01
~~14.0~~	h 1 v	~~14.1~~	~~14.0 =~~	~~14.05⁻~~	~~05~~	~~05~~
14.08⁻		14.28⁻				
~~14.0~~	v 2 l	~~14.2~~				

X1749

var N.S

X1728

13.97		14.07	14.10⁻ =	14.11	.04	.04
~~14.0~~	h 1 v	~~14.1~~	~~14.1 =~~	~~14.10~~	~~00~~	~~00~~
14.10⁻		14.28⁻				
~~14.1~~	v 1 l	~~14.2~~				

X 1586

14.28⁻		14.33⁻	14.33 =	14.34	.01	.01
~~14.2~~	l 1 v	~~14.3~~	~~14.3 =~~	~~14.30~~	~~00~~	~~00~~
14.33		14.33				
~~14.3~~	v 2 w	~~14.5~~				

X1553

var N.S

X1428

var N.S

X1421

var N.S

X1444

12.90⁻		13.10⁻	13.01 =	13.08	.07	.07
~~13.0~~	l 2 v	~~13.2~~	~~13.0 =~~	~~13.10~~	~~10~~	~~10~~
13.01		13.31				
~~13.0~~	v 3 f	~~13.3~~				

X1690

var N.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..9681

February 4, 1896

Variable No. 11 (M5)

χ 1530

14.20		14.33	14.43 =	14.39	.04	.04
✓ 14.2	2 1 v	14.3	14.4 =	14.35	05	05
14.43		14.33				
14.4	v, m	14.5				

χ 1486

13.63		13.83	13.87 =	13.86	.01	.01
v 13.6	g 2 v	13.8	13.9 =	13.85	05	05
13.87		13.93				
13.9	v 1 4	14.0				

χ 1482

13.31		13.81	13.83 =	13.82	.02	.02
v 13.3	f 2 v	13.5	13.5 =	13.50	00	00
13.88		13.60				
23 45 13.5	v 1 g	13.6				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj.:968L

February 6, 1896

Variable No. 12 (M5)

22 15⁻ χ6786

	13.97	14.27	14.05⁻	14.16	.11	.11
v	14.0 h 3 v	14.3	14.0 =	14.15⁻	.14⁻	.15⁻
	14.03⁻	14.25⁻				
	14.0 v 2 l	14.2				

χ6785

v	13.65⁻	13.98⁻	13.87 =	13.91	.04	.04
	13.6 g 3 v	13.9	13.9 =	13.90	.00	.00
	13.87	13.97				
	13.9 v 1 h	14.0				

χ6637

	14.79	14.89	14.79 =	14.84	.05⁻	.05⁻
v	14.6 m 1 v	14.9	14.8 =	14.85⁻	.05	.05⁻
	14.79	14.99				
	14.8 v 2 0	15.0				

χ7000

	14.63	14.63	14.59 =	14.61	.02	.02
v	14.5 m 1 v	14.6	14.6 =	14.60	.00	.00
	14.59⁻	14.79				
	14.6 v 2 m	14.8				

χ6991

	13.65⁻	13.93⁻	13.77 =	13.86	.09	.09
v	13.6 g 3 v	13.9	13.8 =	13.85⁻	.05⁻	.05⁻
	13.77	13.97				
	13.8 v 2 h	14.0				

χ6981

	13.31	13.41	13.33⁻ =	13.38	.03	.03
v	13.3 f 1 v	13.4	13.3 =	13.35⁻	.05⁻	.05⁻
	13.38	13.63⁻				
	13.3 v 3 g	13.6				

χ6974

	13.31	13.61	13.43⁻ =	13.53	.08	.08
v	13.3 f 3 v	13.6	13.4 =	13.50	.10	.10
	13.43⁻	13.63⁻				
	13.4 v 2 g	13.6				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj...968L

February 6, 1896

Variable No. 12 (M5)

χ 6960

14.79		14.89	14.79 =	14.84	.08	.08
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

χ 6958

14.79		14.89	14.79 =	14.84	.08	.08
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

χ 6956

14.79		14.89	14.79 =	14.84	.08	.08
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

χ 7043

14.63		14.73	14.69 =	14.71	.02	.02
~~14.5~~	m 2 v	~~14.7~~	~~14.7~~ =	~~14.70~~	~~00~~	~~00~~
14.69		14.79				
~~14.7~~	v 1 w	~~14.8~~				

χ 7038

14.79		14.89	14.79 =	14.84	.08	.08
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

χ 7036

13.97		14.17	14.18 =	14.16	.01	.01
~~14.0~~	h 2 v	~~14.2~~	~~14.1~~ =	~~14.15~~	~~05~~	~~05~~
14.18		14.28				
~~14.1~~	v 1 l	~~14.2~~				

χ 7020

var ns

χ 7018

13.68		13.78	13.77 =	13.76	.01	.01
~~13.6~~	g 1 v	~~13.7~~	~~13.8~~ =	~~13.75~~	~~05~~	~~05~~
13.97		13.97				
~~13.8~~	v 2 h	~~14.0~~				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet.proj..968L

February 6, 1896

Variable No. 12 (W.S)

X6821

13.97		14.07	14.05	14.06	.01	.01
~~14.0~~	h 1 v	~~14.1~~	~~14.0~~	~~14.05~~	~~05~~	~~05~~
14.05		14.25				
~~14.0~~	v 2 l	~~14.2~~				

X6829

14.25		14.45	14.43	14.44	.01	.01
~~14.2~~	l 2 v	~~14.4~~	~~14.4~~	~~14.40~~	~~00~~	~~00~~
14.43		14.53				
~~14.4~~	v 1 m	~~14.5~~				

X6836

14.79		14.89	14.79	14.84	.05	.05
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

X6877

13.81		13.61	13.45	13.53	.08	.08
~~13.3~~	f 3 v	~~13.6~~	~~13.4~~	~~13.50~~	~~10~~	~~10~~
13.48		13.65				
~~13.4~~	v 2 g	~~13.6~~				

X6806

var W.S ~~14.1~~ ~~14.6~~

X6805

14.79		14.89	14.79	14.84	.05	.05
~~14.8~~	m 1 v	~~14.9~~	~~14.8~~	~~14.85~~	~~05~~	~~05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

X6838

14.83		14.73	14.69	14.71	.02	.02
14.5	m 2 v	~~14.7~~	~~14.7~~	~~14.70~~	~~00~~	~~00~~
14.69		14.79				
~~14.7~~	v 1 m	~~14.8~~				

X6784

var, W.S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 6, 1896

Variable No 12 (N 5)

χ 6763

14.79		14.89	14.79 =	14.84	.05	.05
~~14.8~~	n 1 v	~~14.9~~	~~14.8~~ =	~~14.85~~	~~.05~~	~~.05~~
14.79		14.99				
~~14.8~~	v 2 0	~~15.0~~				

χ 1482

13.97		14.07	14.15 =	14.11	.04	.04
~~14.0~~	h 1 v	~~14.1~~	~~14.1~~ =	~~14.10~~	~~.00~~	~~.00~~
14.13		14.25				
~~14.1~~	v 1 l	~~14.2~~				

χ 1486

var n, s

χ 1530

var n, s

χ 1690

var n, s

χ 1444

var n, s

χ 1421

var n, s

χ 1428

var n, s

χ 1553

var n, s

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phael.proj..968L

February 6, 1896

Variable As 12 (N5)

X1586

14.25 14.33 14.43 = 14.39 .04 .04
14.2 l i v 14.3 14.4 = 14.35 .05 .05
14.43 14.03
14.4 v i m 14.5

X1728

var n.s

X1749

var n.s

X1941

14.25 14.33 14.43 = 14.39 .04 .04
14.2 l i v 14.3 14.4 = 14.35 .05 .05
14.43 14.03
23 14.4 v i m 14.5

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 6, 1896

Variable No 13 (H.S)

763

30 χ ~~6838~~

	13.97		14.17	14.08 =	14.11	.06 .06
✓	~~14.0~~	h 2 v	~~14.2~~	~~14.0~~ =	~~14.10~~	~~10~~ 10
	14.08		14.28			
	~~14.0~~	v 2 l	~~14.2~~			

χ6838

	13.68		13.98	13.97 =	13.86	.09 .09
✓	~~13.6~~	g 3 v	~~13.9~~	~~13.8~~ =	~~13.85~~	~~05~~ ~~05~~
	13.77		13.97			
	~~13.8~~	v 2 h	~~14.0~~			

χ6784

	12.98		13.33	13.11 =	13.23	.12 .12
✓	~~13.0~~	e 4 v	~~13.4~~	~~13.1~~ =	~~13.25~~	~~15~~ ~~15~~
	13.11		13.31			
	~~13.1~~	v 2 f	~~13.3~~			

χ6805

	14.28		14.33	14.33 =	14.34	.01 .01
✓	~~14.2~~	l 1 v	~~14.3~~	~~14.3~~ =	~~14.30~~	~~00~~ ~~00~~
	14.33		14.33			
	~~14.3~~	v 2 m	~~14.5~~			

χ6806

	14.28		14.33	14.33 =	14.34	.01 .01
✓	~~14.2~~	l 1 v	~~14.3~~	~~14.3~~ =	~~14.30~~	~~00~~ ~~00~~
	14.33		14.33			
	~~14.3~~	v 2 m	~~14.5~~			

χ6877

	13.97		14.17	14.13 =	14.16	.01 .01
✓	~~14.0~~	h 2 v	~~14.2~~	~~14.1~~ =	~~14.15~~	~~05~~ ~~05~~
	14.18		14.23			
	~~14.1~~	v 1 l	~~14.2~~			

χ6836

	13.68		13.88	13.67 =	13.76	.09 .09
✓	~~13.6~~	g 2 v	~~13.8~~	~~13.7~~ =	~~13.75~~	~~05~~ ~~05~~
	13.67		13.97			
	~~13.7~~	v 3 h	~~14.0~~			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phaet proj..968L

February 6, 1896

Variable No. 13 (M 5)

X6829

14.23 14.43 14.43 = 14.44 .01 .01
v 14.2 l 2 v 14.4 14.4 = 14.40 00 00
14.43 14.53
14.4 v 1 m 14.5

X6821

13.97 14.17 14.18 = 14.16 .01 .01
v 14.0 h 2 v 14.2 14.1 = 14.15 05 05
14.13 14.23
14.1 v 1 e 14.2

X7018

13.63 13.83 13.77 = 13.81 .04 .04
v 13.6 g 2 v 13.8 13.8 = 13.80 00 00
13.77 13.97
13.8 v 2 h 14.0

X7020

13.63 13.83 13.87 = 13.86 .01 .01
v 13.6 g 2 v 13.8 13.9 = 13.85 05 05
13.87 13.97
13.9 v 1 h 14.0

X7036

13.63 13.83 13.67 = 13.76 .09 .09
v 13.6 g 2 v 13.8 13.7 = 13.75 05 05
13.67 13.97
13.7 v 3 h 14.0

X7038

13.37 13.61 13.48 = 13.53 .08 .08
13.3 3 v 13.6 13.4 = 13.50 10 10
13.46 13.63
13.4 v 2 g 13.6

X7043

13.63 13.93 13.77 = 13.86 .09 .09
13.6 g 3 v 13.9 13.8 = 13.85 05 05
13.77 13.97
13.8 v 2 h 14.0

X6956

14.53 14.73 14.69 = 14.71 .02 .02
14.5 m 2 v 14.7 14.7 = 14.70 00 00
14.69 14.79
14.7 v 1 n 14.8

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 6, 1896

Variable No. 13 (M5)

X6958

13.97		14.17	14.15 =	14.16	.01	.01
✓ 14.0	h 2 v	14.2	14.1 =	14.15	.05	.05
14.13		14.23				
14.1	v 1 l	14.2				

X6960

14.53		14.73	14.59 =	14.66	.07	.07
✓ 14.5	m 2 v	14.7	14.6 =	14.65	.05	.05
14.59		14.79				
14.6	v 2 n	14.8				

X6974

14.79		14.89	14.79 =	14.84	.08	.08
✓ 14.8	n 1 v	14.9	14.8 =	14.85	.05	.05
14.79		14.99				
14.8	v 2 0	15.0				

X6981

14.53		14.73	14.59 =	14.66	.07	.07
✓ 14.5	m 2 v	14.7	14.6 =	14.65	.05	.05
14.59		14.79				
14.6	v 2 n	14.8				

X6991

14.23		14.43	14.43 =	14.44	.01	.01
✓ 14.2	l 2 v	14.4	14.4 =	14.40	.00	.00
14.43		14.53				
14.4	v 1 m	14.5				

X7000

14.53		14.63	14.59 =	14.61	.02	.02
✓ 14.5	m 1 v	14.6	14.6 =	14.60	.00	.00
14.59		14.79				
14.6	v 2 n	14.8				

X6637

13.63		13.83	13.87 =	13.86	.01	.01
✓ 13.6	g 2 v	13.8	13.9 =	13.85	.05	.05
13.87		13.97				
13.9	v 1 w	14.0				

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1993phaej.proj..9681

February 6, 1896

Variable No. 13 (M5)

X 6785

14.23 14.38 14.33 = 14.34 .01 .01
14.2 c 1 v 14.3 14.3 = 14.30 00 00
14.33 14.33
14.0 v 2 m 14.5

X 6786

13.97 14.27 14.03 = 14.16 .11 .11
14.0 h 3 v 14.3 14.0 = 14.15 15 15
14.03 14.23
14.0 v 2 e 14.2

X 1941

13.81 13.87 13.83 = 13.43 .08 .08
13.8 f 2 v 13.8 13.3 = 13.40 10 10
13.38 13.68
13.3 v 3 g 13.6

X 1749

12.93 13.13 13.21 = 13.18 .03 .03
13.0 e 2 f v 13.2 13.20 = 13.20 00 00
13.21 13.31
13.2 v 1 f 13.3

X 1728

13.68 13.83 13.87 = 13.86 .01 .01
13.6 g 2 v 13.8 13.9 = 13.85 05 05
13.87 13.97
13.9 v 1 h 14.0

X 1586

13.68 13.78 13.77 = 13.76 .01 .01
13.6 g 1 v 13.7 13.8 = 13.75 05 05
13.70 13.97
13.8 v 2 h 14.0

X 1553

var M,S

X 1428

var M,S

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

February 6, 1896

Variable No 13 (1145)

X1421

13.31 13.41 13.43 = 13.43 .08 .08
13.3 f, v 13.4 13.4 = 13.40 00 00
13.48 13.68
13.4 v 2g 13.6

X1444

13.93 13.83 13.21 = 13.23 .02 .02
13.0 e 3 v 13.3 13.2 = 13.25 05 05
13.21 13.31
13.2 v 1f 13.3

X1690

var n,s

X1530

13.68 13.78 13.87 = 13.81 .06 .06
13.6 g, v 13.7 13.9 = 13.80 10 10
13.87 13.97
13.9 v 1h 14.0

X1486

13.31 13 81 13 83 = 13 83 .02 .02
13.3 f 2 v 13.5 13.5 = 13.50 00 00
13 83 13 68
13.5 v 1 g 13.6

1482

13.68 13.78 13.77 = 13.76 .01 .01
13.6 fg, v 13.7 13.8 = 13.75 05 05
13.77 13.97
30 13.8 v 2h 14.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1968ApJ...153L..95A

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..0031

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1893phae.proj..968L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System