RG
11365
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KC 11365708

X20. Van. Horologium - $2^h 21.4^m - 60°6'$ (1875)
X21. Van. in Columba - $5^h 15.6^m - 33°48'8$ (1900) abc 6135 -
X22. " Canis Minor. $6^h 59.1^m + 9°6'$ (1855 approx).
X23. " Eridanus. $3^h 49.9^m - 24°24'$ (1875) C Dm -24°1960
24. " Octantis. $6^h 0.0^m - 86°30'$ (1900)
X25 - Sextans. $9^h 35^m 32.7^s - 7°26.5'$ Dm -7°2873
X26 - " Aquilae. $19^h 33' + 11°29'$.
27 - RR Carina. $9^h 54.8^m - 58°23'$ abc 13624
X28 - Eridis $7^h 12^m 16^s + 32°19'$ (1855)
29. " Z Carina $10^h - 5-8°$
30. " Carina
31. " R S. Centaurus $10^h 16.1 - 61 20$
32 - " W Puppis $7^h 41.8^m - 41°53'$ (1875
33 - " V Sculptor $0^h 2.3^m - 39°55'.1$ (1875)
34 - " R Octantis $6^h 0.0^m - 86°30'$ (1900)
35 -

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Object.		Page.
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"	CD M -33°2251	6-10.
"	R Columbae	11-17
"	Var. in Coralguin $22^h 21.4 - 60°6$	18-21
"	V Canis Minoris	45-48
"	T Eridani	49-55, 121
"	Var in Sextans, BD -7°2873	56-65
"	" " Aquila $19^h 33.3 + 11°29$	66-75, 77-78.
"	R R Carinae	76, 81-111, 131
"	Lapsis Var. ? $7^h 12^m 16° + 32°19'$	192-120, 130.
"	Z Carinae	122-129, (132-147) 155-160, 211.
"	— Carinae $10^h 39.9^m - 58°45.7'$	148-154, 207
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January 25 1898.

Measures of Var. in Octans

Comparison stars. B 5684 & B 14418

B 14418

p = .1

rms.

B 15108

n = .2

rms.

B 8181 &p

l = .1

rms.

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January 29, 1898.

Measures of Lacaille Columba CD-33°2251
Comp. stars B 10678

22h 0m

B 15665

8.93 ~~8.85~~ e 2 r ~~9.05 9.20 9.45 = 9.23~~ 9.13 9.28 9.53 = 9.31 .18 .03 .22

✓ 9.28 ~~9.20~~ r o f ~~9.20~~ 9.28

9.53 ~~9.46~~ r 1 g ~~9.55~~ 9.63

B 16840

8.23 ~~8.15~~ c 1 r ~~8.25 8.43 = 8.34~~ 8.33 8.51 = 8.42 .09 .09

✓ 8.51 ~~8.43~~ r 2 d ~~8.63~~ 8.71

B 16999 7.91 8.23 8.51 = 8.22 .31 .01 .29

7.81 ~~7.73~~ b 1 r ~~7.83 8.15 8.43 = 8.14~~

8.23 ~~8.15~~ r o c ~~8.15~~ 8.23

✓ 8.51 ~~8.43~~ r 2 d ~~8.63~~ 8.71

B 17162 8.81 8.93 9.18 = 8.97

8.71 ~~8.63~~ d 1 r ~~8.73 8.85 9.10 = 8.89~~ .16 .04 .21

✓ 8.93 ~~8.85~~ r o e ~~8.85~~ 8.93

9.18 ~~9.10~~ r 1 f ~~9.20~~ 9.28

B 17352 9.93 9.91 = 9.92

✓ 9.63 ~~9.55~~ g 3 r ~~9.85 9.83 = 9.84~~ .01 .01

9.91 ~~9.83~~ r 1 h ~~9.93~~ 10.01

B 17478 10.99 11.07 = 11.03

10.79 ~~10.71~~ l 2 r ~~10.91 10.99 = 10.95~~ .04 .04

✓ 11.07 ~~10.99~~ r 1 m ~~11.09~~ 11.17

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Jan. 29, 1898

Measures of Var. in Columba. CDm −33°2251 (Comb.)

B 17540

10.79 ~~10.71~~ l 3 r ~~11.01 11.09 11.24 = 11.11~~ .10 .02 .13
11.17 ~~11.09~~ r 0 m ~~11.09~~ 11.17
11.32 ~~11.24~~ r 2 m ~~11.44~~ 11.52

B 17607

11.17 ~~11.09~~ m 2 r ~~11.27 11.34 = 11.32~~ .03 .02
11.42 ~~11.34~~ r 1 m ~~11.44~~ 11.52

B 17674

11.52 ~~11.44~~ m 1 r ~~11.54~~ 11.62
ons.

B 17742

11.17 ~~11.09~~ m 2 r ~~11.27 11.44 11.74 = 11.49~~ .20 .05 .25
11.52 ~~11.44~~ r 0 m ~~11.44~~ 11.52
11.82 ~~11.74~~ r 2 0 ~~11.94~~ 12.02

B 17831

11.17 ~~11.09~~ m 1 r ~~11.27 11.34 = 11.26~~ .07 .08
11.42 ~~11.34~~ r 1 m ~~11.44~~ 11.52

B 17856

10.89 ~~10.71~~ l 1 r ~~10.99 10.96 = 10.90~~ .09 .09 04 04
11.07 ~~10.99~~ r 1 m ~~11.09~~ 11.17

B 17902

10.79 ~~10.71~~ l = .1 ~~10.81~~
rms. ~~< 10.81~~ < 10.89

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Jan. 29, 1898

Measures Columbae (cont.)

B 18257

8.43 8.61 = 8.52

✓8.23 ~~8.15~~ C 2 r ~~8.35 8.53 = 8.44~~ .09 .09
8.71

8.61 ~~8.53~~ r 1 d ~~8.63~~

B 18329

7.91 823 8.51 = 8.22

7.81 ~~7.73~~ b 1 r ~~7.83 8.15 8.43 = 8.14~~ .31 .01 .39
8.23

✓8.23 ~~8.15~~ r 0 c ~~8.15~~
8.71

8.51 ~~8.43~~ r 2 d ~~8.63~~

B 18371

7.43 7.81 8.13 = 7.79

7.23 ~~7.15~~ a 2 r ~~7.35 7.73 8.05 = 7.71~~ .36 .02 .34
7.81

✓7.81 ~~7.73~~ r 0 b ~~7.73~~
8.23

8.13 ~~8.05~~ r 1 c ~~8.15~~

B 18384 ℓf.

7.91 8.23 8.41 = 8.18

✓7.81 ~~7.73~~ d 2 r ~~7.83 8.15 8.33 = 8.10~~ .27 .05 .23
8.23

8.23 ~~8.15~~ r 0 c ~~8.15~~
8.71

8.41 ~~8.33~~ r 3 d ~~8.63~~

B 18441 ℓf.

7.53 7.81 8.03 = 7.79

✓ 7.23 a 3 r ~~7.45 7.73 7.95 = 7.71~~ .26 .02 .24
7.81

7.81 ~~7.73~~ r 0 b ~~7.73~~
8.23

8.03 ~~7.95~~ r 2 c ~~8.15~~

B 18479

7.43 7.61 = 7.52

✓7.23 ~~7.15~~ a 2 r ~~7.35 7.53 = 7.44~~ .09 .09
7.81

7.61 ~~7.53~~ r 2 b ~~7.73~~

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Jan. 29, 1898

Measures of Columbae (cont.)

B 18503

7.23 ~~7.15~~ a 2r ~~7.35~~ 7.43 ~~7.73~~ 7.81 ~~7.95~~ 8.03 = ~~7.68~~ 7.76 .33 .05 .27

7.81 ~ ~~7.73~~ r o b ~~7.73~~ 7.81

8.03 ~~7.95~~ r 2c ~~8.15~~ 8.23

B 18523 8pr.

7.23 ~~7.15~~ a 4r ~~7.55~~ 7.63 ~~7.63~~ 7.71 = 7.67 .04 .04

7.71 ~ ~~7.63~~ r 1 b ~~7.73~~ 7.81

B 18687

8.23 ~~8.15~~ c 1 r ~~8.25~~ 8.33 ~~8.63~~ 8.71 ~~8.75~~ 8.83 = ~~8.54~~ 8.62 .29 .09 .21

8.71 ~~8.63~~ r o d ~~8.63~~ 8.71

8.83 ~~8.75~~ r 1 e ~~8.85~~ 8.93

B 18849

9.63 ~~9.55~~ g 3r ~~9.85~~ 9.93 ~~9.73~~ 9.81 = ~~9.79~~ 9.87 .06 .06

9.81 ~~9.73~~ r 2 h ~~9.93~~ 10.01

B 19102

10.39 ~~10.31~~ h 1 r ~~10.41~~ 10.49 ~~10.51~~ 10.59 = ~~10.46~~ 10.54 .05 .05

10.89 ~~10.51~~ r 2 h ~~10.71~~ 10.79

B 19985

8.23 ~~8.15~~ c 2 r ~~8.35~~ 8.43 ~~8.63~~ 8.71 ~~8.75~~ 8.83 = ~~8.58~~ 8.66 .23 .05 .17

8.71 ~~8.63~~ r o d ~~8.63~~ 8.71

8.83 ~~8.75~~ r 1 e ~~8.85~~ 8.93

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Jan. 29, 1898.

Measures of Var. Columbae (cont)

B 20229

7.81	~~7.73~~	b	2	r	~~7.93~~	~~8.15~~	~~8.33~~	= ~~8.14~~	.21	.01	.19
8.23	~~8.15~~	r	0	c	~~8.15~~ 8.23						
8.41	~~8.33~~	r	3	d	~~8.63~~ 8.71						

B 20345

7.23	~~7.15~~	a	1	r	~~7.25~~ 7.33	~~7.53~~	7.61	= ~~8.39~~ 7.47	.14	.14
7.61	~~7.53~~	r	2	b	~~7.73~~ 7.81					

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January 29, 1898

ϕ° 0^m Measures R. Columbae.

Comp. stars B 8854.

B 14843

9.39 d 2 r 9.59 9.77 = 9.68 .09 .09

9.77 r 3 l 10.07

B 15065

8.87 c 2 r 9.07 9.39 9.67 = 9.38 .31 .01 .39

9.39 r 0 d 9.39

9.67 r 4 l 10.07

B 15107

8.87 c 2 r 9.07 9.29 = 9.18 .11 .11

9.29 r 1 d 9.39

B 15196

8.87 c 2 r 9.07 9.39 9.87 = 9.44 .37 .05 .43

9.39 r 0 d 9.39

9.87 r 2 l 10.07

B 15338

11.02 g 2 r 11.22 11.60 = 11.41 .19 .19

11.60 r 0 h 11.60

1 sus.

I 14435

10.07 l = -1 10.17

rus. < 10.17

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Jan. 29-1898.

Measures of R Columbae (cont.)

B 15380

11.60 h = .1 11.70

rms < 11.70

B 15491

11.60 h = .2 11.80

rms < 11.80

B 15534

~~h 2 r~~ 12.18 h = .2 12.38

~~r + h~~ rms. < 12.38

B 15717

10.52 f = .3 10.82

rms. < 10.82

B 16842

11.60 h = .1 11.70

rms. < 11.70

B 17071

12.18 h = .1 12.28

rms < 12.28

B 17164

11.02 q 3 r 11.32 11.60 11.98 = 11.63 .31 .03 .35

11.60 r 0 h 11.60

11.98 r 2 h 12.18

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Jan. 29, 1898

Measures of R Columbae (cont.)

B17380

✓ 9.39 d3r 9.69 9.87 = 9.78 .09 .09
9.87 r2e 10.07

B17520

8.87 c3r 9.17 9.39 9.67 = 9.41 .24 .02 .26
✓ 9.39 r0d 9.39
9.67 r4e 10.07

I 16084

✓ 8.87 c3r 9.17 9.29 = 9.23 .06 .06
9.29 r1d 9.39

B17609

✓ 8.87 c3r 9.17 9.29 = 9.23 .06 .06
9.29 r1d 9.39

B17674

8.87 c5r 9.37 9.39 9.77 = 9.51 .14 .12 .26
✓ 9.39 d0r 9.39
9.77 r3e 10.07

I 16246

✓ 9.39 d2r 9.69 9.97 = 9.78 .19 .19
9.97 r1e 10.07

B17748

✓ 9.39 d3r 9.69 9.97 = 9.83 .14 .14
9.97 r1e 10.07

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Jan. 29, 1898 -

Measures of R Columbae (cnb.)

B17662

9.39 d 4r 9.79 10.07 10.32 = 10.06 .27 .04 .26

10.07 r 0 2 10.07

10.32 r 3 f 10.52

B17901

9.39 d 5r 9.89 10.07 = 9.98 .09 .09

10.07 r 0 2 10.07

fuzz

I16534

9.39 d 4r 9.79 10.07 10.32 = 10.06 .27 .01 .26

10.07 r 0 2 10.07

10.32 r 2 f 10.52

B17951

9.39 d 5r 9.89 10.07 10.32 = 10.09 .20 .02 .23

10.07 r 0 2 10.07

10.32 r 3 f 10.52

B18147

10.07 2 r 10.27 10.52 10.92 = 10.57 .30 .05 .35

10.52 r 0 f 10.52

10.92 r 1 g 11.02

I16775

10.52 f 2r 10.72 11.02 11.50 = 11.08 .36 .06 .42

11.02 r 0 g 11.02

11.50 r 1 h 11.60

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measures R Columbae (cont.)

B 18259
✓ 11.60 hv 1 r 11.70
hvis

±17057
✓ 11.60 hv=.1 11.70
vis. < 11.70

B 18374
✓ 11.60 hv 2 r 11.80 12.18 = 11.99 .19 .19
12.18 vol 12.18

B 18505
✓ 11.60 hv=.2 11.80
vis < 11.80

B 18557 Sp.
✓ 9.39 d=.1 9.49
vis < 9.49

I 17286
✓ 11.60 hv=.1 11.70
vis < 11.70

✓ I 17380
10.07 l=.1 10.17
vis. < 10.17

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Jan. 29, 1898.

Measures of R Columbae (cont.)

I 17513

✓ 11.02 q = .1 11.12
nus. < 11.12

B 18622

✓ 11.60 h 2 r 11.80 12.08 = 11.94 .14 .14
12.04 r 1 h 2 12.18

B 18688

✓ 11.60 h = .1 11.70
r nus < 11.70

B 18736

✓ 11.60 h 3 r 11.90
h nus.

B 19103

✓ 11.60 h = .1 11.70
r nus < 11.70

B 20030

8.32 h 2 r 8.52 8.87 9.19 = 8.86 .34 .01 .33
✓ 8.87 r 0 c 8.87
9.19 r 2 d 9.39

+ 18833 9.17 9.39 9.87 = 9.48 .31 .09 .39
✓ 8.87 C 3 r
9.39 r 0 d 9.39
9.87 r 2 e 10.07

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Jan. 29, 1898

measures of R Columbae (cnb.)

B 20887

8.87 c 3 r 9.17 9.39 9.87 = 9.48 .31 .09 .39

9.39 r o d 9.39

9.87 r 2 e 10.07

I 19188

8.87 c = .1 8.97

rms < 8.97

I 19507

11.02 g = .1 11.12

rms < 11.12

I 19625

11.02 g 3 r 11.32 11.60 12.08 = 11.67 .35 .07 .47

11.60 b o h 11.60

12.08 r 1 e 12.18

I 19892

11.02 g = .1 11.12

rms. < 11.12

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January 29, 1898

Measures of Var. in Hercolquin - 12h 21.4 -60°6

1h 0m

Comp. Stars B 14387

B15160 8p.

9.74 & 2r 9.94 10.12 10.27 = 10.11 .17 .01 .16

10.12 r of 10.12

10.27 r 2 & 10.47

B 16992

12.34 m = .1 12.44

rms < 12.44

B17018

11.94 m = .1 12.04

rms. < 12.04

B17132

12.34 m = .1 12.44

rms. < 12.44

B17156

11.94 m = .1 12.04

rms < 12.04

B17184

11.21 ls = .2 11.41

rms. < 11.41

B17303

10.79 lv2 r 10.99 11.11 = 11.05 .06 .06

11.01 r 1 ls 11.21

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Jan. 29, 1898

Measures of Var. in Hercules (cont.)

B18338

12.34 v = .1 12.44

rms. < 12.44

B17378 & 81.

9.09 c = .1 9.19

rms. < 9.19

B17475

10.47 g 1 r 10.57 10.79 11.01 = 10.79 .22 .00 .22

10.79 r 0 & 1 b 10.79

11.01 r 2 b 11.21

B17537 & 4.

10.47 g = .1 10.57

rms. < 10.57

B17579

10.47 g 1 r 10.57 10.79 10.91 = 10.76 .19 .03 .15

10.79 r 0 & 1 b 10.79

10.91 r 3 b 11.21

B17758

10.79 b 2 r 10.99 11.11 = 11.05 .06 .06

11.01 r 1 b 11.21

B17921

10.79 b = .2 10.99

rms. < 10.99

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Jan. 29, 1898.

Measures of Pair in Hercules (cont.)

B 17925

11.21 l s 1 r 11.31 11.49 = 11.40 .09 .09

11.49 r 1 l 11.59

B 18069

11.59 l 2 r 11.79 11.84 = 11.82 .03 .02

11.84 r 1 m 11.94

B 18275

11.59 l = .1 11.69

r no < 11.69

B 18521

11.94 m = .1 12.04

r no. < 12.04

B 18646

12.34 m = .1 12.44

r no < 12.44

B 18892

11.94 m = .1 12.04

r no. < 12.04

B 19742

12.34 m = .1 12.44

r no. < 12.44

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Jan. 29, 1898

Measures of Var. in Hercules (cont.)

B 20024

10.79 hr 1 r 10.89 11.11 = 11.00 .11 .11
11.11 r 1 hr 11.21

B 20072

10.47 g 2 r 10.67 10.79 11.01 = 10.82 .15 .03 .19
10.79 r 0 hr 10.79
11.01 r 2 hr 11.21

B 20168

9.74 l = .1 9.81
mns. variedge. < 9.81

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February 4. 1898

2h 0m Measure of Var. in Octans
Comp stars B 5684 & B 14418

B 7991 8p.
9.25 h i r 9.35 9.57 = 9.46 .11 .11
9.57 r o h 9.57
hus.

B 8006
9.25 h = .1 9.35
rus. < 9.35

B 8039
11.02 0 = .1 11.12
rus. < 11.12

B 8129 8p. 4x5
Too near edge

B 8131 8p. 4x5
8.60 f = .1 8.70
rus. < 8.70
near edge

B 8147 8p.
Too faint

B 8148 8p.
Too faint.

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1898phae.proj..709B

Measures of Octans (cont.)

B 8150 8p.
8.60 f=.1 8.70
rns <8.70

B 8151 8p.
8.90 g=.1 9.00
rns <9.00

B 8153 8p.
Too near edge

B 8154 8p.
Too near edge.

B 8155 8p.
Too near corner
8.60 f=.1 8.70
rns. <8.70

B 8159 8p.
8.90 g=.1 9.00
rns <9.00

B 8161 8p.
9.57 h=.1 9.67
rns. <9.67

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1898phae.proj..709B

Feb. 4, 1898.

Measures of Octans (cont.)

B 8162 Sp.
9.85 l = .1 9.95
rno. < 9.95

B 8163 Sp.
8.60 f = .1 8.70
rno < 8.70

B 8165 Sp.
9.57 ls = .1 9.67
rno < 9.67

B 8166 Sp.
8.90 g = .1 9.00
rno. < 9.00

B 8167 Sp.
Too near edge

B 8169 Sp.
9.57 ls = .1 9.67
rno < 9.67

B 8170 Sp.
9.57 ls = .1 9.67
rno < 9.67

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Feb 4, 1898

Measures of Octans (cmb.)

B 8172 8p.

8.25 l = .1 8.35

rms < 8.35

B 8181 8p.

8.25 l = .1 8.35

rms < 8.35

B 8182 8p.

8.90 g = .1 9.00

rms < 9.00

B 8183 8p.

8.90 g = .1 9.00

rms < 9.00

B 8184 8p.

9.57 ls = .1 9.67

rms < 9.67

B 8186 8p.

9.57 ls = .1 9.67

rms < 9.67

B 8187 8p.

Too faint

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1898phae.proj..709B

Feb. 4, 1898.

Measures of Octans (cont.)

B 8188 Sp.

✓ 8.90 g = .1 9.00
rms < 9.00

B 8195 Sp.

✓ 9.57 ls = .1 9.67
rms. < 9.67

February 5, 1898

22h 0m B 8149 Sp.

✓ Too poor

B 8200

✓ 9.25 h = .1 9.35
rms < 9.35

B 8221

✓ 10.20 m = .1 10.30
rms < 10.30

✓ B 8309

10.60 m = .1 10.70
rms < 10.70

✓ B 8456

Too poor.

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1998phas.proj...709B

Feb. 5, 1895.

Measures of Octans - (Cont'd)

B 8508

✓ 9.85 l = .1 9.95

rms < 9.95

B 9069

✓ 11.02 o = .1 11.12

rms < 11.12

B 9089

✓ 10.60 n = .1 10.70

rms < 10.70

✓ B 9095

Too faint

B 9100

✓ 8.90 g = .1 9.00

rms < 9.00

✓ B 9101

9.57 ls = .1 9.67

rms < 9.67

B 9102

✓ 9.85 l = .1 9.95

rms. < 9.95

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1898phae.proj..709B

Feb. 5, 1898.

Measures of Uctaus (cont.)

B 9108

8.60 f =.1 8.70

rms < 8.70

B 9109

10.60 n =.1 10.70

rms < 10.70

B 9111

8.90 g =.1 9.00

rms < 9.00

B 9113

11.02 o =.1 11.12

rms < 11.12

B 9119

10.60 n =.1 10.70

rms < 10.70

B 9121

10.20 m =.1 10.30

rms < 10.30

B 9123

11.47 p 2 r 11.67

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Measures of Octans (cont.)

B 9136
✓ 11.02 0 = .1 11.12
rms < 11.12

B 9153
✓ 10.60 n = .1 10.70
rms < 10.70

B 9223
✓ 10.60 n = .1 10.70
rms < 10.70

B 9231
✓ 9.85 l = .2 10.05
rms < 10.05

B 9246
✓ 11.47 p = .1 11.57
rms < 11.57

B 9285
✓ 11.02 0 = .1 11.12
rms < 11.12

✓ B 9335
11.47 p = .1 11.57
rms < 11.57

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Feb. 5, 1898.

Measures of Uctaus (cont.)

B 9327
9.57 k=.2 9.77
rms <9.77

B 9348
11.47 p 3r 11.77

B 9449
11.47 p=.1 11.57
rms <11.57

B 9590
11.47 p 4r 11.87

B 9611
11.47 p=.3 11.77
rms <11.77

B 9799
10.60 n=.1 10.70
rms <10.70

B 9871
11.47 p=.1 11.57
rms. <11.57

B 10781

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Feb. 5, 1898

Measures of Octans (cont.)

B 10701

7.85 dir 7.95 8.25 8.50 = 8.33 .28 .02 .27

✓ 8.25 rot 8.25

8.50 rif 8.60

B 10845

✓ 9.85 l = .1 9.95

rns < 9.95

B 11004

✓ 10.60 n 2 r 10.80

0 ns

B 11010 Sp.

✓ 9.25 h = .1 9.35

rns < 9.35

B 11751 Sp.

✓ Ir near edge

B 11752 Sp.

✓ 9.25 h = .1 9.35

rns < 9.35

B 11845

✓ 10.20 m = .1 10.30

rns < 10.30

Ir near edge.

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Feb. 5, 1898.

Measures of Uetaus (Lmb)

B 11981

11.02 o = .1 11.12

rns < 11.12

B 11982

11.47 p 1r 11.67

B 11989 &p.

10.20 m = .1 10.30

rns < 10.30

B 12012 &p.

Too faint

B 12163

11.02 o = .1 11.12

rns < 11.12

B 12183

10.60 m = .1 10.70

rns < 10.70

B 12323

10.20 m L r 10.40 10.50 = 10.45 .05 .05

10.60 r l n 10.60

B 12541

9.85 l 2r 10.05 10.20 10.50 = 10.25 .20 .05 .25

10.20 r o m 10.20

10.50 l n 10.60

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Feb. 5, 1898

Measures of Actaus (cont.)

B 12800

7.57 c l r 7.67 7.65 = 7.66 .01 .01

7.65 r 2 d 7.85

B 12909

9.87 bs 2 r 9.77 9.85 10.00 = 9.87 .10 .02 .13

9.85 r 0 l 9.85

10.00 r 2 m 10.20

B 12992

9.85 l l r 9.95 10.10 = 10.02 .07 .08

10.10 r l m 10.20

B 13459 8f.

10.20 m l r 10.30 10.60 = 10.45 .15 .15

10.60 r 0 m 10.60

ons.

B 14489

11.47 f = .1 11.57

rns < 11.57

B 14861

Too near edge

B 14862

11.47 f l r 11.57

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1898phae.proj..709B

Feb. 5, 1898.

Measures of Octans (cont.)

B 14958

11.02 o 3 r 11.32 11.47 = 11.40 .08 .07
11.47 r o p 11.47

B 15031

11.02 o 2 r 11.22 11.47 = 11.34 .12 .13
11.47 r o p 11.47

B 15039

11.47 p 1 r 11.57

B 15118

11.02 o 1 r 11.12 11.37 = 11.24 .12 .13
11.37 r 1 p 11.47

B 15145 Sp.

10.20 m = .1 10.30
m o < 10.30

B 15146 Sp.

10.20 m = .1 10.30
m o < 10.30

B 15161 Sp.

9.85 l = .1 9.95
m o < 9.95

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Feb. 5, 1898

Measures of Cetaus (cont.)

B 15164 Lyr.

✓ 10.60 m = .1 10.70

rms < 10.70

B 15173 Lyr.

✓ 9.85 l = .1 9.95

rms < 9.95

B 15301

✓ 9.85 l 1r 9.95 10.00 = 9.98 .03 .02

10.00 r 2m 10.20

B 15339

✓ 7.57 C 1r 7.67 7.85 8.05 = 7.86 .19 .01 .19

7.85 r 0d 7.85

8.05 r 2d 8.25

B 15381

✓ 7.57 C 1r 7.67 7.75 = 7.71 .04 .04

7.75 r 1d 7.85

B 15412

✓ 7.57 C 3r 7.87 7.65 = 7.76 .11 .11

7.65 r 2d 7.85

B 15413

✓ 7.57 C 2r 7.77 7.65 = 7.71 .06 .06

7.65 r 2d 7.85

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Feb. 5, 1898

Measures of Octans (cmb)

B 15492
8.25 e1r 8.35 8.60 8.80 = 8.58 .23 .02 .22
8.60 r0f 8.60
8.80 r1g 8.90

B 15537
8.60 f1r 8.70 8.80 = 8.75 .05 .05
8.80 r1g 8.90

B 15549
Too near edge

B 15572
8.60 f2r 8.80 8.90 9.05 = 8.92 .12 .02 .13
8.90 r0g 8.90
9.05 r2h 9.15

B 15616 Sp.
Too near edge

B 15915
9.57 h3r 9.87 9.85 9.90 = 9.87 .00 .02 .03
9.85 r0l 9.85
9.90 r3m 10.20

B 15976
9.85 l1r 9.95 10.00 = 9.98 .03 .02
10.00 r2m 10.20

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Feb 5, 1898

Measures of Cetans (cont)

B16038

9.85 l 1m 9.95 10.00 = 9.98 .03 .02
10.00 r 2m 10.20

B16039

9.57 l 2r 9.77 9.85 10.10 = 9.91 .14 .06 .19
9.85 r 0l 9.85
10.10 r 1m 10.20

B16103

9.85 l = .1 9.95
rms < 9.95

B16248

10.20 m 1r 10.30 10.40 = 10.35 .05 .05
10.40 r 2m 10.60

B16378

10.20 m 1r 10.30 10.40 = 10.35 .05 .05
10.40 r 2m 10.60

B16670

11.02 0 1r 11.12 11.07 = 11.10 .02 .03
11.07 r 4f 11.47

B16798

10.20 m 2r 10.40 10.50 = 10.45 .05 .05
10.50 r 1m 10.60

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Feb. 5, 1898

Measures of Uctaus (cont.)

B 16829

✓ 9.85 l=.1 9.95

rms < 9.95

✓ B 16927

Iro near edge

✓ B 17002

11.02 o l=r 11.12 11.47 = 11.30 .18 .17

11.47 r o f 11.47

B 17121

✓ 10.60 r=.1 10.70

rms < 10.70

B 17301

✓ 11.47 f=.1 11.57

rms < 11.57

B 17308

✓ 11.47 f 2r 11.67

B 17385

✓ 10.20 r=.1 10.30

rms < 10.30

✓ B 17347

10.60 r=.1 10.70

rms < 10.70

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Measures of Uctaus (cnb.)

B 17393 Lp.

✓ 9.85 l = .1 9.95

rms < 9.95

B 17610

✓ 11.02 o = .1 11.12

rms < 11.12

B 17743

✓ 11.47 p = .3 11.77

rms < 11.77

B 17954

✓ 11.02 o = .1 11.12

rms. < 11.12

B 18043

✓ 11.02 o = .2 11.22

rms < 11.22

B 18104

✓ 10.20 m = .1 10.30

rms < 10.30

B 18111

✓ 9.85 l = .1 9.95

rms. < 9.95

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Feb. 5, 1898.

Measures of Octans (cont.)

B 18127

✓ 11.47 f=.1 11.57

rvs < 11.57

✓ B 18211

11.02 0 =.1 11.12

rvs

✓ B 18248

11.47 f 1 r 11.57

B 18310

✓ 11.02 0 2 r 11.22 11.47 = 11.34 .12 .13

11.47 r 0 f 11.47

✓ B 18416

9.85 l =.1 9.95

rvs < 9.95

B 18623

✓ 9.57 l s 2 r 9.77 9.85 10.00 = 9.87 .10 .02 .13

9.85 r 0 l 9.85

10.00 r 2 m 10.20

B 18689

✓ 8.90 q 1 r 9.00 9.15 = 9.08 .08 .07

9.15 r 1 h 9.25

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Feb. 5, 1898

Measures of Octans (cont'd)

B 18699

✓ 8.25 e 2 r 8.45 8.60 8.80 = 8.62 .17 .02 .18
8.60 r 0 f 8.60
8.88 r 1 g 8.90

B18762

✓ 8.25 e 1 r 8.35 8.50 = 8.42 .07 .08
8.50 r 1 f 8.60

B18850

all ✓ 7.85 d 1 r 7.95 8.25 8.40 = 8.20 .25 .05 .20
8.25 r 0 e 8.25
8.40 r 2 f 8.60

B18856

✓ 8.25 e 1 r 8.35 8.50 = 8.42 .07 .08
8.50 r 1 f 8.60

B18928

✓ 7.85 d 2 r 8.05 8.25 8.50 = 8.27 .22 .02 .23
8.25 r 0 e 8.25
8.50 r 1 f 8.60

B18954

✓ 8.60 f 1 r 8.70 8.90 9.05 = 8.88 .18 .02 .17
8.90 r 0 g 8.90
9.05 r 2 h 9.25

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Feb. 5, 1898

measures of Octans (cmb.)

B 19107

✓ 8.90 g 1r 9.00 9.15 = 9.08 .08 .07
9.15 r 1h 9.25

B 19174

✓ 8.90 g 3r 9.20 9.25 = 9.22 .02 .03
9.25 r 0h 9.25
marledge

B 19289

✓ 8.90 g 2r 9.10 9.25 9.47 = 9.27 .17 .02 .20
9.25 r 0h 9.25
9.47 r 1 ls 9.57

B 19300

✓ 9.57 ls 1r 9.67 9.55 = 9.61 .06 .06
9.55 r 3 l 9.85

B 19400

✓ 9.57 ls 1r 9.67 9.65 = 9.66 .01 .01
9.65 r 2 l 9.85

B 19408

✓ ~~h 9.25 h 2r~~ 9.45 9.57 9.65 = 9.56 .11 .01 .09
9.57 r 0 ls 9.57
~~r 2 h~~ 9.65 r 2 l 9.85

B 19489

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Feb. 5, 1898

Measures of Octans (cont.)

B 1940 9

9.25 l 1 r 9.35 9.57 9.55 = 9.49 .14 .08 .06
9.57 r 0 l 9.57
9.55 r 3 l 9.85

B 1942 4

9.57 l 0 l 1 r 9.67 9.75 = 9.71 .04 .04
9.75 r 1 l 9.85

B 1944 6

9.25 l 2 r 9.45 9.57 9.55 = 9.52 .07 .05 .03
9.57 r 0 l 9.57
9.55 r 3 l 9.85

B 1956 8

9.57 l 0 l 1 r 9.67 9.65 = 9.66 .01 .01
9.65 r 2 l 9.85

B 1962 6

9.83 l 2 r 10.05 10.00 = 10.02 .03 .02
10.00 r 2 m 10.20

B 1979 8

9.85 l 1 r 9.95 10.10 = 10.03 .08 .07
10.10 r 1 m 10.20

B 1980 0

9.85 l 1 r 9.95 10.20 10.50 = 10.22 .27 .02 .28
10.20 r 0 m 10.20
10.50 r 1 m 10.60

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Feb. 5, 1898

Measures of Cetans (cont'd)

✓ B 20000

10.60 m = .1 10.70

rms < 10.70

B 20029

✓ 10.60 m i r 10.70 10.92 = 10.81 .11 .11

10.92 r i o 11.02

B 20160

10.20 m = .1 10.30

✓ rms. < 10.30

~~B 20607~~ –

B 15108

✓ 11.02 o i r 11.12 11.47 = 11.30 .18 .17

11.47 r o p – 11.47

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February 12, 1898

22h 0m Measures of Var. Canis Minor 6h 59.1m +9° 6' (1855 appar.).
Comp. Stars - I 137

I 14529.
11.63 m = .1 11.73
rms < 11.73

B 15242 bp
12.75 p 1 r 12.85
rms.

I 14677
13.40 r = .1 13.50
rms < 13.50

I 14678
13.40 r = .1 13.50
rms < 13.50

I 14866
13.40 r = .1 13.50
rms < 13.50

I 15986
10.07 p 2 r 10.27 10.79 = 10.78 .01 .01
10.79 r 1 g 10.79 47

I 16248
10.79 g 1 r 10.88 10.91 = 10.90 .01 .01
10.91 r 2 b 11.11
10.79

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Feb. 12, 1898

Measures V Canis Minoris (Cont.)

I 16583

11.11 b2 1 r 11.21 11.43 11.53 = 11.39 .18 .04 .14

11.43 r 0 k 11.43

11.53 r 1 m 11.63

Pr Plate

I 16607

11.63 m 1 r 11.73 11.93 12.13 = 11.93 .23 .00 .23

11.93 r 0 m 11.93

12.13 r 2 X 0 12.33

I 16741 Rfs.

10.47 g = .1 10.57

rms < 10.57

I 16776

11.93 m 2 r 12.13 12.33 = 12.23 -.10 .10

12.33 r 1 0 12.33

I 17041

13.40 R 0 r 13.40

I 17149

12.75 p = .1 12.85

rms < 12.85

I 17192

13.40 R 1 r 13.50

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Measures γ Canis Minoris (cont.)

I 17215
13.40 v 2 r 13.60

I 17244 8fr.
11.11 ls =.1 11.21
rno < 11.21

I 17245 4fr.
11.63 rn =.1 11.73
rno < 11.73

I 17287
13.40 r =.2 13.60
rno < 13.60

I 17388
13.40 r =.1 13.50
rno < 13.50

I 17463
18.40 r =.1 < 13.50
rno

I 17521
13.40 r =.2 13.60
rno < 13.60

I 16506 1089 10.91 = 10.90 .01 .01
10.79 hir
10.91 rnls 11.11

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Feb. 12, 1898

Measures of V Canis Minoris (cont.)

I 17556

13.07 gl = .1 13.17

nuc. < 13.17

I 17610

13.07 g = .1 13.17

nuc < 13.17

I 17817

13.40 r = .1 13.50

nuc < 13.50

I 18834

8.57 b1r 8.67 8.89 = 8.78 .11 .11

8.89 r1c 8.99

I 19224

9.37 d2r 9.57 9.72 9.87 = 9.72 .15 .00 .15

9.72 r0e 9.72

9.87 r2f 10.07

I 19462

10.47 g1r 10.57 10.69 = 10.63 .06 .06

10.69 r1h 10.79

I 19718. Poor

10.79 h = .1 10.89

nuc. < 10.89

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1898phae.proj..709B

February 15, 1898.

$2^h\ 0^m$ Measures of δ Eridanus - 2
6 Dm - 24° 1960
Comp. stars on B 11935

I 13800 (1436)
10.75 b =.1 10.85
rns. < 10.85

B 17498 (748)
7.65 b2r 7.85 8.25 = 8.05 .20 .20
8.25 r1c 8.35

B 4333 8p.
7.65 b =.1 7.75
rns < 7.75

B 4759 8p.
Too poor

B 5637
7.65 b =.1 7.75
rns < 7.75

B 7009
8.35 c d =.1 8.45
rns < 8.45

B 7191
7.65 b3r 7.95 8.15 = 8.05 .10 .10
8.16 r2c 8.35

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1898phae.proj..709B

Feb. 15, 1898

Measures of 7 Eridanus. (cnt.)

B 6989 8p.

8.83 d =.1 8.93

rno < 8.93

B 5670 8p.

8.35 C =.1 8.45

rno < 8.45

B 10587 8p.

9.25 e =.1 9.35

rno < 9.35

B 12404 8p.

7.65 b =.2 7.85

rno < 7.85

B 12405 8p.

8.35 c =.1 8.45

rno < 8.45

B 14571

10.75 h 8 r 11.05 11.33 = 11.19 .14 .14

11.33 r 1 h 11.43

B 14627

10.20 g =.3 10.50

rno. < 10.50

Pon plate

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1898phae.proj..709B

Feb. 15, 1898

Measures of δ Eridanus (cmb)

I 13646
Too prov.

B 14797
11.43 bs 1v 11.53
bus

B 14997
10.75 b = .2 10.95
ms. < 10.95
nearedge

B 15037
10.75 b 4v 11.15 11.43 = 11.29 .14 .14
11.43 v obs 11.43
bus.

B 15115 8f.
10.20 g = .1 10.30
ms < 10.30

I 13867
9.60 f 3v 9.90 10.00 = 9.95 .05 .05
10.00 v 2g 10.20

B 15281
7.65 b 4v 8.05 8.35 8.53 = 8.31 .26 .04 .23
8.35 v 0c 8.35
8.53 v 3d 8.83

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1898phae.proj...709B

Feb. 15, 1898

Measures of 1 Eridanus (cont'd)

I 14374

7.65 b 2 r 7.85 8.05 = 7.95 .10 .10
8.05 r 3 c 8.35

B 15334

7.65 b 2 r 7.85 8.15 = 8.00 .15 .15
8.15 r 2 c 8.35

B 16466

10.75 b = .1 10.85
ms. < 10.85

B 16524

10.75 b 5 r 11.25 11.43 = 11.34 .09 .09
11.43 r 0 b 11.43
bis

B 16820

10.75 b = .1 10.85
ms < 10.85

B 16995

10.75 b 2 r 10.95 11.23 = 11.09 .14 .14
11.23 r 2 b 11.43

B 17133

9.60 f 3 r 9.90 10.00 = 9.95 .05 .05
10.00 r 2 g 10.20

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1898phae.proj..709B

Feb. 15, 1898

Measures of 1 Eridani (cont.)

B 17190

9.25 e 2 r 9.45

first on plate

B 17209

9.60 f 3 r 9.90 10.00 = 9.95 .05 .05

10.00 r 2 g 10.20

B 17271

9.25 e 1 r 9.35 9.50 = 9.42 .07 .08

9.50 r 1 f 9.60

B 17304

8.83 d 1 r 8.93 9.25 9.50 = 9.23 .30 .02 .27

9.25 r 0 e 9.25

9.50 r 1 f 9.60

I 15961

8.35 c 1 r 8.45 8.63 = 8.54 .09 .09

8.63 r 2 d 8.83

B 17550

7.65 d 3 r 7.95 8.15 = 8.05 .10 .10

8.15 r 2 c 8.35

B 17617

6.70 a 1 r 6.80 7.65 8.15 = 7.53 .73 .12 .62

7.65 r 0 b 7.65

8.15 r 2 c 8.35

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1898phae.proj..709B

Feb. 15, 1898.

Measures of 1 Eridani (comb.)

I 16238

7.65 b 2 r 7.85 8.15 = 8.00 .15 .15
8.15 r 2 c 8.35

B 17739

7.65 b 3 r 7.95 8.35 8.63 = 8.31 .36 .04 .32
8.35 r 0 c 8.35
8.63 r 2 d 8.83

B 17802

8.35 c 1 r 8.45 8.63 = 8.54 .09 .09
8.63 r 2 d 8.83

B 17894

8.35 c 2 r 8.55 8.63 = 8.59 .04 .04
8.63 r 2 d 8.83

I 16530

8.35 c 1 r 8.45 8.83 9.05 = 8.78 .33 .05 .37
8.83 r 0 d 8.83
9.05 r 2 e 9.25

I 16772

9.60 f 2 r 9.80 10.10 = 9.95 .15 .15
10.10 r 1 g 10.20

B 18278

10.75 h 2 r 10.95 11.13 = 11.04 .09 .09
11.13 r 3 h 11.43

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1898phae.proj..709B

Measures of γ Eridani (cub.)

I 17053

10.75 h 3 r 11.05 11.33 = 11.19 .14 .14
11.33 r 1 h 11.43

B 18340

10.75 h 5 r 11.25 11.23 = 11.24 .01 .01
11.23 r 2 h 11.43

B 18498

11.43 h = .1 11.53
rms < 11.53

± 17283

10.75 h = .2 10.95
rms < 10.95

B 18793

10.20 g 1 r 10.30 10.45 = 10.38 .08 .07
10.45 r 3 h 10.75

B 19819

8.35 C 1 r 8.45 8.73 = 8.59 .14 .14
8.73 r 1 d 8.83

I 18587

8.35 C = .3 8.65
< 8.65
rms

I 18725

9.25 r 2 a 9.45

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1898phae.proj..709B

February 17, 1898

2 hr 0 m

Measures of Leistans- $9^h 35^m 32.7 - 7^\circ 26.5'$
BD - $7^\circ 2873$.
Comp. Ltais I 12620.

I 12981
10.28 f 2r 10.38 10.68 = 10.53 .15 .15
10.68 r 1 q 10.78

B 13558
10.28 f 2r 10.48 10.58 = 10.53 .05 .05
10.58 r 2 q 10.78

I 13886
9.88 e 1 r 9.98
~~r o f~~
f q n s

B 15.266
9.88 e 1 r 9.98
~~r o f~~
f q n s Acknowledge

I 14210
9.32 d 4 r 9.72 9.88 9.98 = 9.86 .14 .02 .12
9.88 r 0 e 9.88
9.98 r 3 f 10.28

I 14337
9.32 d 3 r 9.62 9.88 9.88 = 9.79 .17 .09 .09
9.88 r 0 e 9.88
9.88 r 4 f 10.28

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1898phae.proj...709B

Feb. 17, 1898

Measures of Sextans (cont.)

I 14341
Does not converge.

I 14485
9.32 d 4r 9.72 9.88 10.08 = 9.89 .17 .01 .19
9.88 r o e 9.88
10.08 r 2 f 10.28

I 14500
9.32 d 5r 9.82 9.88 10.08 = 9.93 .11 .05 .15
9.88 r o e 9.88
10.08 r 2 f 10.28

I 14569
9.32 d 5r 9.82 9.88 10.08 = 9.93 .11 .05 .15
9.88 r o e 9.88
10.08 r 2 f 10.28

I 14680
9.88 e 2r 10.08 10.28 10.58 = 10.31 .23 .03 .27
10.28 r o f 10.28
10.58 r 2 g 10.78

I 14699
9.88 e 1r 9.98 10.18 = 10.08 .10 .10
10.18 r 1 f 10.28

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Feb. 17, 1898

Measures of Sextans (cont.)

B 15514

9.88 e1r 9.98 10.28 10.38 = 10.21 .23 .07 .17
10.28 r0f 10.28
10.38 r4g 10.78

± 14939

9.32 d4r 9.72 9.88 9.98 = 9.86 .14 .02 .12
9.88 r0e 9.88
9.98 r3f 10.28

± 14968

9.32 d4r 9.72 9.88 9.98 = 9.86 .14 .02 .12
9.88 r0e 9.88
9.98 r3f 10.28

± 15008

9.32 d3r 9.62 9.88 10.08 = 9.86 .24 .02 .22
9.88 r0e 9.88
10.08 r2f 10.28

B 15670

9.32 d2r 9.52 9.88 10.08 - 9.83 .31 .05 .25
9.88 r0e 9.88
10.08 r2f 10.28

B 15751

9.32 d3r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r0e 9.88
10.18 r1f 10.28

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1898phae.proj..709B

Measures of Sextans (cont.)

B 15794

9.88 e 1 r 9.98 9.98 = 9.98 .00 .00
9.98 r 3 f 10.28

B 15879

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r 0 e 9.88
10.18 r 1 f 10.28

B 15962

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r 0 e 9.88
10.18 r 1 f 10.28

B 16057

9.32 d 4 r 9.72 9.88 10.08 = 9.89 .17 .01 .19
9.88 r 0 e 9.88
10.08 r 2 f 10.28

B 16377

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r 0 e 9.88
10.18 r 1 f 10.28

B 16552

9.88 e 0 r 9.88
d & f not on plate
near edge

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1898phae.proj..709B

Feb. 17, 1898

Measures of Sextans (cont.)

B 1679 4

9.32 d 4 r 9.72 9.78 = 9.75 .03 .03
9.78 r 1 e 9.88

I 16306

9.32 d 4 r 9.72 9.88 10.18 = 9.93 .21 .05 .35
9.88 r 0 e 9.88
10.18 r 1 f 10.28

B 17776

9.88 e 1 r 9.98 10.28 10.38 = 10.21 .23 .07 .17
10.28 r 0 f 10.28
10.38 r 4 g 10.78

I 16536

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r 0 e 9.88
10.18 r 1 f 10.28

I 16778

9.32 d 4 r 9.72 9.88 10.08 = 9.89 .17 .01 .19
9.88 r 0 e 9.88
10.08 r 2 f 10.28

I 16846

9.32 d 2 r 9.52 9.88 10.18 = 9.86 .34 .02 .32
9.88 r 0 e 9.88
10.18 r 1 f 10.28

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1898phae.proj..709B

Feb. 17, 1898

Measures of Sextans (cnts.)

I 16856

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r o e 9.88
10.18 r 1 f 10.28

B 18256

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r o e 9.88
10.18 r 1 f 10.28

I 17061

9.32 d 3 r 9.62 9.88 10.08 = 9.86 .24 .02 .22
9.88 r o e 9.88
10.08 r 2 f 10.28

B 18314

9.32 d 3 r 9.62 9.88 10.08 = 9.86 .24 .02 .22
9.88 r o e 9.88
10.08 r 2 f 10.28

I 17114

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29
9.88 r o e 9.88
10.18 r 1 f 10.28

I 17155

Too near edge.

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1898phae.proj..709B

Feb. 17, 1898

Measures of Sextans (cnd.)

B 18402

9.32 d 5 r 9.82 9.78 = 9.80 .02 .02

9.78 r 1 e 9.88

B 18547

9.32 d 3 r 9.62 9.78 = 9.70 .08 .08

9.78 r 1 e 9.88

± 17330

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29

9.88 r 0 e 9.88

10.18 r 1 f 10.28

I 17392 Sp.

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29

9.88 r 0 e 9.88

10.18 r 1 f 10.28

I 17393 Sp.

9.32 d 3 r 9.62 9.88 10.18 = 9.89 .27 .01 .29

9.88 r 0 e 9.88

10.18 r 1 f 10.28

± 17524

9.32 d 4 r 9.72 9.88 10.08 = 9.89 .17 .01 .19

9.88 r 0 e 9.88

10.08 r 2 f 10.28

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1898phae.proj..709B

Measures of Sextans (cont.)

B 18624
9.32 d4r 9.72 9.88 10.08 = 9.89 .17 .01 .19
9.88 r o l 9.88
10.08 r 2 f 10.28

B 18696
9.32 d2r 9.52 9.88 10.08 = 9.83 .31 .05 .25
9.88 r o l 9.88
10.08 r 2 f 10.28

I 17749
Iris near edge

I 17820
9.32 d2r 9.52 9.88 10.08 = 9.83 .31 .05 .25
9.88 r o l 9.88
10.08 r 2 f 10.28

B 18798
9.32 d3r 9.62 9.88 10.08 = 9.86 .24 .02 .22
9.88 r o l 9.88
10.08 r 2 f 10.28

B 18996 ff.
9.32 d = .1 9.42
r n o < 9.42

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1898phae.proj..709B

Feb. 17, 1898

Measures of Sextans (cont.)

B 19068

9.32 d 4 r 9.72 9.88 10.18 = 9.93 .21 .05 .25

9.88 r o e 9.88

10.18 r 1 f 10.28

I 18092

9.32 d 3 r 9.62 9.88 10.08 = 9.86 .24 .02 .22

9.88 r o e 9.88

10.08 r 2 f 10.28

B 19137 Sf.

9.88 e 1 r 9.98

fns

B 19259

9.32 d 4 r 9.72 9.88 10.08 = 9.89 .17 .01 .19

9.88 r o e 9.88

10.08 r 2 f 10.28

B 19422

9.88 e o r 9.88

d r f nf n plate

near edge

B 19544

Y s near edge

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1898phae.proj..709B

Feb. 17, 1898

Measures of Sextans (cmb.)

I 19230

9.32 d 2 r 9.52 9.78 = 9.65 .13 .13

9.78 r 12 9.88

I 19409

9.32 d 2 r 9.52 9.68 = 9.60 .08 .08

9.68 r 12 9.88

I 19720

Too faint

I 19898

9.32 d 4 r 9.72 9.88 10.08 = 9.89 .17 .01 .19

9.88 r 0 2 9.88

10.08 r 2 f 10.28

I 20113

9.88 e 1 r 9.98 10.28 10.48 = 10.25 .27 .03 .23

10.28 r 0 f 10.28

10.48 r 3 g 10.78

I 20160

9.88 d 1 r 9.~~72~~ 98 10.28 10.58 = 10.28 .30 .00 .30

10.28 r 0 f 10.28

10.58 r 2 g 10.78

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1898phae.proj..709B

February 25, 1898.

Measures of Zan. Aquilae (T. Anderson)

$19^h\ 33.3^m + 11°\ 29'$

Comp. Stars I16103

2h 0m

B690 Sp.
Too poor

B735 Sp.
8.68 b=.2 8.88
rms <8.88

B754 Sp.
Too poor.

B757 Sp.
Too poor

B1501 Sp.
Too poor.

B1634 Sp.
8.98 c=.1 9.08
rms <9.08

B1694
Too poor

I1265
9.71 ~~11.54~~ 11.64 b=.1 ~~11.64~~ 9.81
rms. <11.64 9.81

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1898phae.proj..709B

Measures Aquilae (cont.)

I 1743
10.74 h=.1 10.84
mn < 10.84

I 1753
10.36 g 1r 10.46 10.54 = 10.50 .04 .04
10.54 r 2h 10.74

I 1843 Bf.
10.36 g 1r 10.46
hm

I 2093
9.71 ~~H.54~~ h=.2 9.91
mn < 9.91

B 6164
8.98 c 3r 9.28 9.36 9.61 = 9.42 .14 .06 .19
9.36 r 0d 9.36
9.61 r 1c 9.71

B 6162
8.98 c 3r 9.28 9.26 = 9.27 .01 .01
9.26 r 1d 9.36

I 3925 Bf.
8.98 c=.1 9.08
mn. <9.08

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1898phae.proj..709B

Feb. 25, 1897.

Measures Aquilae (cont.)

I 3962.

11.14 ls 2 r 11.34 11.54 11.84 = 11.57 .23 .03 .27

11.54 r o l 11.54

11.84 r 1 m 11.94

I 4147

11.14 ls = .1 11.24

r no < 11.24

I 4194

11.94 m = .1 12.04

r no < 12.04

I 4235

11.14 ls = .1 11.24

r no < 11.24

B 7677

8.98 c 4 r 9.38 9.26 = 9.32 .06 .06

9.26 r 1 d 9.36

B 7688

8.98 c 2 r 9.18 9.26 = 9.22 .04 .04

9.26 r 1 d 9.36

B 7781 ~~f~~.

Too faint.

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1898phae.proj..709B

Measures Aquilae (cont.)

B 7832
9.71 e2r 9.91 9.96 = 9.94 .03 .02
9.96 r1f 10.06

I 6805
11.54 l = .1 11.64
r no < 11.64

I 6828
11.94 m3r 12.34 12.42 12.49 = 12.38 .14 .04 .11
12.42 r0w 12.42
12.49 r2o 12.69

I 6861
12.690 = .1 12.79
no < 12.79

I 7003
11.14 ls = .1 11.24
r no < 11.24

B 9234
10.36 q2r 10.56 10.44 = 10.50 .06 .06
10.44 r3h 10.74
very near edge

B 9439
10.36 q2r 10.56 10.64 = 10.60 .04 .04
10.64 r1h 10.74

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1898phae.proj..709B

Feb. 25, 1898

Measures Aquilae (cont.)

I 8769
Too faint

I 8782
12.42 m = .1 12.52
rms < 12.52

I 8820
11.94 m = .1 12.04
rms < 12.04

I 8846
11.54 l = .1 11.64
rms < 11.64

B 9856
11.54 l = .1 11.64
rms < 11.64

B 9939 Sp.
Too faint

I 8959
11.94 m l r 12.04 12.42 = 12.23 .19 .19
12.42 r o w 12.42
0 rms.

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1898phae.proj...709B

Measures Aquilae (cont.).

I 9008
11.94 m = .1 12.04
rms < 12.04

I 9061
12.42 m = .1 12.52
rms < 12.52

B 10123 sf
11.14 ls = .1 11.24
rms < 11.24

B 10128 sf
11.14 ls = .1 11.24
rms < 11.24

I 9360
12.690 = .1 12.79
rms < 12.79

I 9458
12.690 = .2 12.89
rms < 12.89

I 9511
12.690 = .1 12.79
rms < 12.79

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1898phae.proj..709B

Feb. 25, 1898

Measures Aquilae (cont.)

B10353 Sp.
10.36 q=.1 10.46
mo <10.46

B11533 Sp.
11.54 l=.1 11.64
mo <11.64

11.94 B11646
m=.1 12.04
mo <12.04

~~B~~ I
B11377
12.69 o=.1 12.79
mo <12.79

B13630
12.42 n=.1 12.52
mo <12.52
near edge

B13898
11.94 m=.1 12.04
mo <12.04
Our Edge

B14420 Sp.
10.06 f=.1 10.16
mo. <10.16

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1898phae.proj..709B

Measures Aquilae (cont.)

I 13544

12.69 o | r 12.79

B 15021

11.94 m | r 12.04 12.32 = 12.18 .14 .14

12.32 r | w 12.42

B 15046

11.94 m | r 12.04 12.32 = 12.18 .14 .14

12.32 r | w 12.42

B 16545

12.42 w = .1 12.52

mo <12.52

B 16806

11.94 w = .1 12.04

mo <12.04

B 16944

12.69 o = .1 12.79

mo <12.79

B 17005

12.69 o = .1 12.79

mo <12.79

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1898phae.proj..709B

Feb. 25, 1898

Measures Aquilae. (cont.)

I 15674

10.74 h = .1 10.84
nno. Cen edge < 10.84

B 17367

11.54 l 3 r 11.84 11.94 = 11.89 .05 .05
11.94 r 0 nn 11.94
nnn.

B 17460

10.36 q 3 r 10.66 10.54 = 10.60 .06 .06
10.54 r 2 h 10.74

B 17461

10.36 q 2 r 10.56 10.44 = 10.50 .06 .06
10.44 r 3 h 10.74

H 16105

Too faint

B 19526

12.42 n = .1 12.52
nno < 12.52

B 19596

11.94 m = .1 12.04
nno. < 12.04

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1898phae.proj..709B

Measures Aquilae (cont.)

I 18529

11.14 ls 1 r 11.24 11.44 = 11.34 .10 .10
11.44 r 1 l 11.54

I 16103

9.71 l 3 r 10.01 9.96 = 9.98 .03 .02
9.96 r 1 f. 10.06

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1898phae.proj..709B

February. 25, 1898

Measures of R Lyrae.

3h 15m

Comp. Stars B 5250

B 10831
Sos near edge

B 10832
8.92 c 1 r 9.02
diso
near edge

B 10833
9.44 r 0 d 9.44
c + eno. near edge

B 10835
8.92 c 2 r 9.12 9.14 = 9.13 .01 .01
9.14 r 3 d 9.44

B 10884
8.92 c 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B 11039
8.42 b 3 r 8.72 8.92 9.14 = 8.93 .21 .01 .21
8.92 r 0 c 8.92
9.14 r 3 d 9.44

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1898phae.proj..709B

Measures Aquilae (cont.) from page 75.

22h 0m

I 1610 3-

a = 5.3
b = 5.5
c = 5.8
d = 6.2
e = 6.5
f = 6.8
g = 7.1
h = 7.5
k = 7.9
l = 8.5
m = 8.9
n = 9.4 9.81 9.86 = 9.83 .02 .03
o = 9.6
rav = 6.6

I 18527.

a = 5.4
b = 5.6
c = 5.9
d = 6.2
e = 6.6
f = 6.9
g = 7.2
h = 7.6
k = 7.9
l = 8.3 11.34 11.34 = 11.34 .00 .00
m = 8.6
n = 9.0 rav = 8.1

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1898phae.proj..709B

Feb. 26, 1898.

Measures Aquilae (cont.)

I 11377

a = 5.5
b = 5.8
c = 6.1
d = 6.5
e = 6.9
f = 7.3
g = 7.7
h = 8.0
ha = 8.4
k = 8.7
m = 9.1
n = 9.5
o = 9.8
rav. ns.

< 12.69

I 8782

a = 4.9
b = 5.2
c = 5.5
d = 5.9
e = 6.2
f = 6.6
g = 6.8
h = 7.2
ha = 7.7
k = 8.0
m = 8.5
n = 9.1
o = ns.

< 12.69

rav. ns.

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1898phae.proj...709B

Feb. 26, 1898.

Measures Octans (cmb.) fr. page 44.

B 14418.

b ~~a~~ = ~~4.5~~ 4.1

a ~~b~~ = ~~4.7~~ 3.9 a < b as this writing changed.

c = ~~5.0~~ 4.5

d = 4.7

e = 5.0

f = 5.5

g = 5.8

h = 6.2

k = 6.5

l = 6.9

m = 7.3

n = 7.7

o = 8.3

p = 8.9

rav = ms.

< 11.47

B 18248

b ~~a~~ = 4.2

a ~~b~~ = 3.9

c = 4.5

d = 4.8

e = 5.2

f = 5.6

g = 5.9

h = 6.3

k = 6.6

l = 6.8

m = 7.2

n = 7.5

o = 7.9

p = 8.3

11.67

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Feb. 26, 1898

Measures Octans (cont.)

B18623

b a = 4.1
a b = 3.8
c = 4.45
d = 4.8
e = 5.3
f = 5.5
g = 5.8
h = 6.1
h = 6.5
k = 6.7
m = 7.0
n = 7.4
o = 7.6
p = 8.0
var = 6.7

9.77 9.85 9.90 = 9.84 .07 .01 .06

B19424

b a = 4.9
a b = 4.3
c = 5.0
d = 5.3
e = 5.7
f = 6.0
g = 6.3
h = 6.6
h = 6.9
k = 7.2
m = 7.5
n = 8.0
o = 8.5
p = 8.9
var = 7.0

9.67 9.65 = 9.66 .01 .01

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1898phae.proj..709B

February 26, 1898

$23^h\ 0^m$ Measures R R Canavan (cont.) fr. p. 76.

B 11060

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11

9.24 r 1 d 9.44

B 11086

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11

9.34 r 1 d 9.44

B 11128

8.92 C 3 r 9.22 9.34 = 9.28 .06 .06

9.34 r 1 d 9.44

B 11129

8.92 C 3 r 9.22 9.34 = 9.28 .06 .06

9.34 r 1 d 9.44

B 11130

8.92 C 3 r 9.22 9.44 9.64 = 9.43 .21 .01 .21

9.44 r 0 d 9.44

9.64 r 3 2 9.94

B 11133

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11

9.34 r 1 d 9.44

B 11149

8.92 C d 3 r 9.22 9.44 9.64 = 9.43 .21 .01 .21

9.44 r 0 d 9.44

9.64 r 3 2 9.94

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1898phae.proj..709B

Feb. 26, 1898.

Measures R.R. Carnicae (cont.)

B 11168

8.92c 2r 9.12 9.44 9.64 = 9.40 .28 .04 .24
9.44r 0d 9.44
9.64r 3c 9.94
near edge

B 11171

8.92c 2r 9.12 9.34 = 9.23 .11 .11
9.34r 1d 9.44

B 11406

8.92c 2r 9.12 9.34 = 9.23 .11 .11
9.34r 1d 9.44

B 11407

8.92c 1r 9.02 9.24 = 9.13 .11 .11
9.24r 2d 9.44

B 11505

8.92c 1r 9.02 9.14 = 9.08 .06 .06
9.14r 3d 9.44

B 12380

7.90a 2r 8.10 8.22 = 8.16 .06 .06
8.22r 2b 8.42
near edge

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1898phae.proj..709B

Measures RR Carnail (cmb.)

B 12381
7.90 a 1r 8.00 8.82 = 8.16 .16 .16
8.32 r 1b 8.42

B 12399
7.90 a 3r 8.20 8.22 = 8.21 .01 .01
8.22 r 2b 8.42
near bdge

B 12400
7.90 a 2r 8.10 8.32 = 8.21 .11 .11
8.32 r 1b 8.42

B 12504
7.90 a 1r 8.00 8.32 = 8.16 .16 .16
8.32 r 1b 8.42

B 12532
7.90 a 2r 8.10 8.22 = 8.16 .06 .06
8.22 r 2b 8.42

B 12533
7.80 r 1a 7.90

B 12534
7.90 a 1r 8.00 8.22 = 8.11 .11 .11
8.22 r 2b 8.42

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Measures RR Cornish (cont.)

B12536

7.90 a 2 r 8.10 8.22 = 8.16 .06 .06
8.22 r 2 b 8.42

B12537

7.90 a 2 r 8.10 8.32 = 8.21 .11 .11
8.32 r 1 b 8.42

B12717

7.90 a 1 r 8.00 8.42 8.72 = 8.38 .38 .04 .34
8.42 r 0 b 8.42
8.72 r 2 c 8.92

B12718

7.90 a 3 r 8.20 8.42 8.72 = 8.45 .25 .07 .27
8.42 r 0 b 8.42
8.72 r 2 c 8.92

B12719

7.90 a 3 r 8.20 8.42 8.72 = 8.45 .25 .03 .27
8.42 r 0 b 8.42
8.72 r 2 c 8.92

B12720

7.90 a 2 r 8.10 8.42 8.82 = 8.45 .35 .03 .37
8.42 r 0 b 8.42
8.82 r 1 c 8.92

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Measures RR Carinae (cnt.)

B12741
8.42 b 1r 8.52 8.72 = 8.62 .10 .10
8.72 r 2c 8.92
near edge

B12742
8.42 b 2r 8.62 8.82 = 8.72 .10 .10
8.82 r 1c 8.92

B12784
8.92 c 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44
near edge

B12785
8.92 c 3r 9.22 9.34 = 9.28 .06 .06
9.34 r 1d 9.44
near edge

B12786
8.92 c 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B12787
8.92 c 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1d 9.44

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Measures RR Carinae (cont.)

B12791

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B12792

8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B12806

8.92 C 4 r 9.32 9.44 = 9.38 .06 .06
9.44 r 2 d 9.44
near edge

B12807

8.92 C 3 r 9.22 9.34 = 9.28 .06 .06
9.34 r 1 d 9.44
near edge

B12808

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44

B12809

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B12811

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

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Measures R B Barnard (cont.)

B 12 & 12

8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B 12 & 18 Bf.

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B 12 & 29

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44
near edge

B 12 & 30

8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44
near edge

B 12 & 31

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44
near edge.

B 12 & 32

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44
near edge

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Measures RR Carinae (cont).

B12833

8.92 c 1 r 9.02 9.34 = 9.18 .16 .16

9.34 r 1 d 9.44

B12855

8.92 c 2 r 9.12 9.24 = 9.18 .06 .06

9.24 r 2 d 9.44

B12933

8.42 b 3 r 8.72 8.92 9.14 = 8.93 .21 .01 .21

8.92 r o c 8.92

9.14 r 3 d 9.44

B12934

8.42 b 2 r 8.62 8.92 9.14 = 8.89 .27 .03 .25

8.92 r o c 8.92

9.14 r 3 d 9.44

B12935

8.42 b 2 r 8.62 8.92 9.24 = 8.93 .31 .01 .31

8.92 r o c 8.92

9.24 r 2 d 9.44

B12936

8.42 b 2 r 8.62 8.92 9.24 = 8.93 .31 .01 .31

8.92 r o c 8.92

9.24 r 2 d 9.44

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Measured RR Carriae (cont.)

B12938

8.42 b2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r0c 8.92
9.14 r3d 9.44

B12939

8.42 b2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r0c 8.92
9.14 r3d 9.44

B13082 Sp.

8.42 b1r 8.52 8.92 9.24 = 8.89 .37 .03 .35
8.92 r0c 8.92
9.24 r2d 9.44
Near edge

B13182

8.42 b1r 8.52 8.82 = 8.67 .15 .15
8.82 r1c 8.92

B13187

8.42 b2r 8.62 8.82 = 8.72 .10 .10
8.82 r1c 8.92
near edge

B13189

8.42 b2r 8.62 8.82 = 8.72 .10 .10
8.82 r1c 8.92

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Measures RR Carinae (cont.)

B13190

8.42 b 1 r 8.52 8.82 = 8.67 .15 .15
8.82 r 1 d 8.92

B13514

8.42 3 r 8.72 8.82 = 8.77 .05 .05
8.82 r 1 d 8.92
Near edge

B13515

8.42 b 2 r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r 0 c 8.92
9.14 r 3 d 9.44

B13516

8.42 b 3 r 8.72 8.92 9.14 = 8.93 .21 .01 .21
8.92 r 0 c 8.92
9.44 r 3 d 9.44

B13517

8.42 b 2 r 8.62 8.92 9.04 = 8.86 .24 .06 .18
8.92 r 0 c 8.92
9.04 r 4 d 9.44

B13519

8.92 c 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

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Measured R Carinae (cont.)

B13520

8.92 c 1r 9.02 9.24 = 9.13 .11 .11
9.24 r 2d 9.44
diffuse nebula.

B13859

8.42 b 3r 8.72 8.92 9.14 = 8.93 .21 .01 .21
8.92 r 0c 8.92
9.14 r 3d 9.44

B13860

8.42 b 1r 8.52 8.92 9.24 = 8.89 .37 .03 .35
8.92 r 0c 8.92
9.24 r 2d 9.44

B13877

8.42 b 2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r 0c 8.92
9.14 r 3d 9.44

B13878

8.42 b 2r 8.62 8.92 9.24 = 8.93 .31 .01 .31
8.92 r 0c 8.92
9.24 r 2d 9.44
near edge

B13879

8.42 b 2r 8.62 8.82 = 8.72 .10 .10
8.82 r 1c 8.92

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Measures R. R. Carnac (cmb.)

B 13880

8.42 b 1 r 8.52 8.82 = 8.67 .15 .15
8.82 r 1 c 8.92

B 14735

8.42 b 1 r 8.52 8.92 9.04 = 8.83 .31 .09 .21
8.92 r 0 c 8.92
9.04 r 4 d 9.44
near edge

B 14736

8.92 c 1 r 9.02 8.94 = 8.98 .04 .04
8.94 r 5 d 9.44
near edge

B 14961

9.02 r 1 c 8.92
bns. near edge

B 14963

8.42 b 2 r 8.62 8.92 9.04 = 8.86 .24 .06 .18
8.92 r 0 c 8.92
9.04 r 4 d 9.44

B 15018

8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 c 8.92

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Measures RR Carinae (cont'd)

B 15129
8.92 C 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44
Heavedge

B 15130
8.92 C 1r 9.02 9.14 = 9.08 .06 .06
9.14 r 3d 9.44

B 15150
8.92 C 1r 9.02 9.14 = 9.08 .06 .06
9.14 r 3d 9.44

B 15178
8.92 C 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B 15179
8.92 C 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B 15200
8.92 C 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B 15201
8.92 C 3r 9.22 9.24 = 9.23 .01 .01
9.24 r 2d 9.44

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Measures R Canum (cont).

2h 0m

B 15202

8.92 c 3 r 9.22 9.34 = 9.28 .06 .06
9.34 r 1 d 9.44

B 15209

8.92 c 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44

B 15214

8.92 c 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B 15286

8.42 b 2 r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r 0 c 8.92
9.14 r 3 d 9.44

B 15287

8.92 c 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B 15288

8.92 c 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B 15290

8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 c 8.92

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Measures RR Carinae (cont.)

B 15291
8.92 c1r 9.02 9.14 = 9.08 .06 .06
9.14 r3d 9.44

B 15347
8.92 c2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

B 15348
8.42 b2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r0c 8.92
9.14 r3d 9.44

B 15349
8.92 c1r 9.02 9.04 = 9.03 .01 .01
9.04 r4d 9.44

B 15351
8.42 b2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r0c 8.92
9.14 r3d 9.44

B 15352
8.92 c2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

B 15363
8.92 c2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

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Measures RR Carmae (cnd)

B15364

8.92 C2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

B15382

8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B15383

8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B15403 8f.

8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B15418

8.92 C2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

B15419

8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B15444

8.92 C=.1 9.02
rus. < 9.02

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Measures R R Carnac (cont.)

B 15445

8.92 c3r 9.22 9.24 = 9.23 .01 .01
9.24 r2d 9.44

B 15446

8.92 C2r 9.12 9.34 = 9.23 .11 .11
9.34 r1d 9.44

B 15497

8.92 C2r 9.12 9.34 = 9.23 .11 .11
9.34 r1d 9.44

B 15498

8.92 c3r 9.22 9.24 = 9.23 .01 .01
9.24 r2d 9.44

B 15499

8.92 C2r 9.12 9.24 = 9.18 .06 .06
9.24 r2d 9.44

B 15502

8.92 C2r 9.12 9.34 = 9.23 .11 .11
9.34 r1d 9.44

B 15536

8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

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Measures R Carnac (cont.)

B15634

8.92 C 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B15658

8.42b 2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r 0 c 8.92
9.14 r 3 d 9.44

B15672

8.92 C 1r 9.02 9.34 = 9.18 .16 .16
9.34 r 1 d 9.44

B15673

8.92 C 2r 9.12 9.44 9.74 = 9.43 .31 .01 .31
9.44 r 0 d 9.44
9.74 r 2 e 9.94

B15720

8.92 C 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B15799

8.92 C 1r 9.02 9.34 = 9.18 .16 .16
9.34 r 1 d 9.44

B15877

8.92 C 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

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Measures RR Carinae (cont'd).

B15878

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B15916

8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B15928

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B15929

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B15930

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B15973

8.92 C 2 r 9.12 9.34 = 9.23 .11 .11
9.34 r 1 d 9.44

B15974

8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

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Measures RR Carinae (cont.)

B15975

8.92 C 1r 9.02 9.24 = 9.13 .11 .11
9.24 r 2d 9.44

B17778 Barbier

8.42 b 1r 8.52 8.92 9.24 = 8.89 .37 .03 .35
8.92 r 0c 8.92
9.24 r 2d 9.44

B18800 Barbier

8.92 C 1r 9.02 9.24 = 9.13 .11 .11
9.24 r 2d 9.44

B15285 Barbier

8.92 C 1r 9.02 9.14 = 9.08 .06 .06
9.14 r 3d 9.44

B16040

8.92 C 2r 9.12 9.14 = 9.13 .01 .01
9.14 r 3d 9.44

B16041

8.92 C 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B16102

8.92 C 1r 9.02 9.24 = 9.13 .11 .11
9.24 r 2d 9.44

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Measured R Carinae (cont.)

B16213
8.92 C1r 9.02 9.14 = 9.08 .06 .06
9.14 r3d 9.44

B16375
8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B16376
8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B16378
8.92 C1r 9.02 9.14 = 9.08 .06 .06
9.14 r3d 9.44

B16472
8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

B16506
8.92 C3r 9.22 9.14 = 9.18 .04 .04
9.14 r3d 9.44

B16525
8.92 C3r 9.22 9.24 = 9.23 .01 .01
9.24 r2d 9.44
near edge.

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Measures RR Leonis (cont'd)

B16631

8.92 c 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1d 9.44

B16632

8.92 c 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1d 9.44

B16633

8.92 c 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B16766

8.92 c 2r 9.12 9.34 = 9.23 .11 .11
9.34 r 1d 9.44

B16863

8.92 c 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B16864

8.92 c 2r 9.12 9.24 = 9.18 .06 .06
9.24 r 2d 9.44

B16865

8.92 c 1r 9.12 9.24 = 9.13 .11 .11
9.24 r 2d 9.44

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Measures R Barnard (cont.)

B16930
8.92 C1r 9.02 9.34 = 9.18 .16 .16
9.34 r1d 9.44

B17524
8.92 C2r 9.12 9.04 = 9.08 .04 .04
9.04 r4d 9.44

B17526
8.92 C2r 9.12 9.14 = 9.13 .01 .01
9.14 r3d 9.44

B17706
8.92 C1r 9.02 9.14 = 9.08 .06 .06
9.14 r3d 9.44

B17752
8.92 C3r 9.22 9.24 = 9.23 .01 .01
9.24 r2d 9.44

B17753
8.92 C2r 9.12 9.14 = 9.13 .01 .01
9.14 r3d 9.44

B17777
8.92 C1r 9.02 9.24 = 9.13 .11 .11
9.24 r2d 9.44

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Measures RR Lacaille (cont.)

B18112

8.42 b2v 8.62 8.92 9.04 = 9.86 .24 .06 .18
8.92 v0c 8.92
9.04 v4d 9.44
near edge

B18119

8.92 c1v 9.02 9.14 = 9.08 .06 .06
9.14 v3d 9.44

B18172

8.42 b1v 8.52 8.92 9.14 = 9.86 .34 .06 .28
8.92 v0c 8.92
9.14 v3d 9.44

B18173

8.42 b2v 8.62 8.92 9.14 = 9.89 .27 .03 .25
8.92 v0c 8.92
9.14 v3d 9.44

B18174

8.42 b2v 8.62 8.92 9.14 = 9.89 .27 .03 .25
8.92 v0c 8.92
9.14 v3d 9.44

B18201

8.92 c1v 9.02 9.24 = 9.26 .11 .11
9.24 v2d 9.44

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Measured RR Carinae (cont).

B18255

8.92 C2r 9.12 9.14 = 9.13 .01 .01
9.14r3d 9.44

B18261

8.92C1r 9.02 9.24 = 9.13 .11 .11
9.24r2d 9.44

B18262

8.92C1r 9.02 9.24 = 9.13 .11 .11
9.24r2d 9.44

B18263

8.92C1r 9.02 9.24 = 9.13 .11 .11
9.24r2d 9.44

B18313

8.92C2r 9.12 9.14 = 9.13 .01 .01
9.14r3d 9.44

B18315

8.92C1r 9.02 9.14 = 9.08 .06 .06
9.14r3d 9.44

B18316

8.42 b2r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92r0c 8.92
9.14r3d 9.44

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Measures RR Lyrnae (cont.)

B18817

8.42 b2v 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 v0c 8.92
9.14 v3d 9.44

B18327

8.92 c1v 9.02 9.24 = 9.13 .11 .11
9.24 v2d 9.44

B18426

8.42 b1v 8.52 8.92 9.14 = 8.86 .34 .06 .28
8.92 v0c 8.92
9.14 v3d 9.44

B18463

8.42 b2v 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 v0c 8.92
9.14 v3d 9.44

B18465

8.42 b2v 8.62 8.82 = 8.72 .10 .10
8.82 v1c 8.92

B18506

8.92 c2v 9.12 9.04 = 9.08 .04 .04
9.04 v4d 9.44

B18509

8.92 c1v 9.02 9.04 = 9.03 .01 .01
9.04 v4d 9.44

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Measures R.R. Barnard (cont.)

B18546

8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B18604

8.92 C 1 r 9.02 9.04 = 9.03 .01 .01
9.04 r 4 d 9.44

B18605

8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B18625

8.42 b 1 r 8.52 8.92 9.14 = 8.86 .34 .06 .28
8.92 r 0 C 8.92
9.14 r 3 d 9.44

B18628

8.42 b 1 r 8.52 8.82 = 8.67 .15 .15
8.82 r 1 C 8.92

B18694

8.92 C 3 r 9.22 9.14 = 9.18 .04 .04
9.14 r 3 d 9.44

B18695

8.92 C L r 9.12 9.24 = 9.18 .06 .06
9.24 r L d 9.44

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1898phae.proj..709B

Feb. 28, 1898

Measures R.R. Carnac (cont.)

B18698
8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B18701
8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B18743
Too faint

B18748
8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B18829
8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 C 8.92

B18830
8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 C 8.92

B18831
8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 C 8.92

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1898phae.proj...709B

Measures R Kasimac (cont.)

B 18896

8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

B 18897

8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44
nearedge

B 19664

8.92 C 4 r 9.32 9.24 = 9.28 .04 .04
9.24 r 2 d 9.44

B 19665

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44

B 19667

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44

B 19707

8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B 19046 8.62 8.72 = 8.67 .05 .05
8.42 b 2 r ~~9.12 9.24 = 9.18 .06 .06~~
8.72 r 2 C 8.92

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1898phae.proj..709B

Feb. 28, 1898

Measures R.R. Garmac (cont.)

B19065
8.42 b 2 r 8.62 8.72 = 8.67 .05 .05
8.72 r 2 e 8.92

B19066
8.42 b 2 r 8.62 8.82 = 8.72 .10 .10
8.82 r 1 c 8.92

B19073
8.42 b 1 r 8.52 8.92 9.14 = 8.86 .34 .06 .28
8.92 r 0 c 8.92
9.14 r 3 d 9.44

B19209
8.92 c 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B19256
8.92 c 2 r 9.12 9.14 = 9.13 .01 .01
9.14 r 3 d 9.44

B19260
8.92 c 2 r 9.12 9.14 = 9.13 .01 .01
9.14 r 3 d 9.44

B19262
8.42 b 2 r 8.62 8.92 9.14 = 8.89 .27 .03 .25
8.92 r 0 c 8.92
9.14 r 3 d 9.44

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1898phae.proj...709B

Measures R Pearmain (cont.)

B19292
8.92 C 2 r 9.12 9.14 = 9.13 .01 .01
9.14 r 3 d 9.44

B19359
8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B19360
8.92 C 3 r 9.22 9.24 = 9.23 .01 .01
9.24 r 2 d 9.44

B19466
8.92 C 3 r 9.22 9.34 = 9.28 .06 .06
9.34 r 1 d 9.44

B19467
8.92 C 1 r 9.02 9.24 = 9.13 .11 .11
9.24 r 2 d 9.44

B19468
8.92 C 2 r 9.12 9.24 = 9.18 .06 .06
9.24 r 2 d 9.44

B19469
8.92 C 1 r 9.02 9.14 = 9.08 .06 .06
9.14 r 3 d 9.44

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1898phae.proj..709B

March, 3, 1898

Measures Espins $7^h\,12^m\,16' + 32°\,19'$ (1855)
Comp. stars I 8056

$2^h\,30^m$

I 8056
8.~~84~~ a 3 r 8.94
8.89 r 2 b 9.09

I 5806
8.64 a 2 r 8.84
8.89 r 1 b 9.09

I 894
8.64 a 1 r 8.74
8.99 r 1 b 9.09

I 3068
8.64 a 4 r 9.04
8.79 r 3 b 9.09
near edge

I 3149
8.64 a 2 r 8.84
8.89 r 2 b 9.09

I 17497
1 to near edge

I 954
8.36 a 1 r 8.46
8.44 r 2 a 8.64

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1898phae.proj...709B

Mar. 3, 1898

Measures Lupus? (cont.)

I 5630
8.64a 2r 8.84
8.89 r 2 b 9.09

I 222
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

I 8010
8.64a 2r 8.84
8.89 r 2 b 9.09

I 8152
8.64a 2r 8.84
8.89 r 2 b 9.09

I 8166
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

I 5052
8.64a 2r 8.84
8.89 r 2 b 9.09

I 5053
8.64a 2r 8.84
8.89 r 2 b 9.09

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1898phae.proj...709B

Mar. 3, 1898

Measures Espin's (cont.)

I 954
8.36 a' 1 r 8.46
8.44 r 2 a 8.64

I 222
8.36 a' 1 r 8.46
8.44 r 2 a 8.64

I 10213
8.36 a' 1 r 8.46
8.54 r 1 a 8.64

I 12219 2p.
8.36 a' 2 r 8.56
8.44 r 2 b 8.64

I 10329
8.64 a 2 r 8.84
8.79 r 3 b 9.09
near edge

I 5738
8.64 a 2 r 8.84
8.89 r 2 b 9.09

I 10560
8.64 a 2 r 8.84
8.79 r 3 b 9.09

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1898phae.proj...709B

Mar. 3, 1898

Measures Espin's (cont.)

I 12095
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

I 5498
8.64 a 2 r 8.84
8.89 r 2 b 9.09

I 17621
8.36 a' 3 r 8.66
8.54 r 1 a 8.64

I 14724
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.79 r 3 b 9.09

I 9998
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.89 r 2 b 9.09
From Plate

I 9792
8.64 a 2 r 8.84
8.89 r 2 b 9.09

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1898phae.proj..709B

Mar. 3, 1898

Measures Espin's (cont.)

I 16994
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

I 14822
8.36 a' 2 r 8.56
8.64 a r 0 a 8.64
8.89 r 2 b 9.09

I 5647
8.36 a' 1 r 8.46
8.44 r 2 a 8.64

I 5862
8.64 a 1 r 8.74
8.89 r 2 b 9.09

I 5806
8.64 a 2 r 8.84
8.89 r 2 b 9.09

I 894
8.64 a 2 r 8.84
8.89 r 2 b 9.09

I 8166
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

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1898phae.proj...709B

Mar. 3, 1898

measures Lupus? (cont.)

I 3068
8.64a 2r 8.84
8.89r2b 9.09

I 3149
8.64a 1r 8.84
8.89 r2b 9.09

I 10213
8.36a' 1r 8.46
8.44 r2a 8.64

I 17497
Tromar edge

I 5630
8.64 a 2r 8.84
8.89 r 2b 9.09

I 5862
8.64a 2r 8.84
8.89 r2b 9.09

I 12219 f/v.
8.36a'2r 8.56
8.54 r1b-a 8.64

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1898phae.proj..709B

Mar. 3, 1898

Measures Espin's (cont.)

I 8010
8.64 a 2 r 8.84
8.89 r 2 b ~~8.89~~ 9.09

I 12095
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.79 r 3 b 9.09

I 8152
8.64 a 1 r 8.74
8.79 r 3 b 9.09
near edge

I 17621
8.36 a' 2 r 8.56
8.54 a 1 a 8.64
near edge

I 5052
8.64 a 3 r 8.94
8.89 r 2 b 9.09

I 14724
8.36 a' 3 r 8.66
8.64 r 0 a 8.64
8.89 r 2 b 9.09

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1898phae.proj..709B

Measures Espins? (cont.)

I 5053
8.64 a 1 r 8.74
8.89 r 2 b 9.09

I 954
8.36 a' 1 r 8.46
8.44 r 2 b 8.64

I 222
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.89 r 2 b 9.09

I 9998
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.89 r 2 b 9.09
Bri plate

I 10329
8.64 a 2 r 8.84
8.79 r 3 b 9.09
near edge

I 5738
8.64 a 2 r 8.84
8.89 r 2 b 9.09

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1898phae.proj..709B

Mar. 3, 1898

Measures Espins? (cont)

I 10560
8.64 a 3r 8.94
8.89 r 2 b 9.09

I 16994
8.36 a' 2 r 8.56
8.54 r 1 a 8.64

I 5498
8.64 a 2 r 8.84
8.89 r 2 b ~~8.89~~ 9.09

I 9792
8.64 a 1 r 8.74
8.89 r 2 b 9.09

I 14822
8.36 a' 2 r 8.56
8.64 r 0 a 8.64
8.89 r 2 b 9.09

I 5647
8.64 a 1 r 8.74
8.89 r 2 b 9.09

I 8056
8.64 a 2 r 8.84
8.79 r 3 b 9.09

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1898phae.proj...709B

March 5, 1898.

Measures I. Eridanus. (from fr. 55)

B 17209.

9.60	9.80	9.90	9.85	.05	.05
~~10.07~~	2 R ~~10.27~~	~~10.20~~	= ~~10.24~~	.~~08~~	.04

9.90 R 3 q 10.20

Van. measured

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1898phae.proj..709B

March 5, 1898.

Measures ζ Cancri -

$10^h 9.7 - 58.17$.

Comp. Stars B 5250.

$0^h 15^m$

B 10752

12.40 m = .1

rms ⩽ 12.50

B 10796

Too faint

B 10835

10.89 72 h = .1

rms ⩽ 10.82

B 10884

11.83 55 h 3 r 11.85 12.03 = 11.94 .09 .09

12.03 r o m 12.2003

rms

B 11039

10.89 72 h 2 r 10.92 10.83 = 10.88 .04 .05

10.83 r 3 h 11.46 13

B 11060

10.89 72 h 3 r 11.02 10.93 = 10.98 .04 .05

10.93 r 2 h 11.46 13

B 11083

10.89 72 h 4 r 11.12 10.93 = 11.02 .10 .09

10.93 r 2 h 11.46 13

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1898phae.proj..709B

Mar. 5, 1898.

Measures of Carmine (cont.)

B 11086

10.89 72 h = 1 10.82

mo < 10.82

B 11130

10.89 72 h 2 r 10.92 11.93 = 11.92 .00 .01

10.93 r 2 h 11.46 13

B 11148

Does not appear again

B 11149

10.89 72 h 4 r 11.12 10.93 = 11.02 .08 10 .09

10.93 r 2 h 11.46 13

B 11171

10.89 72 h 4 r 11.12 11.03 = 11.08 .04 .05

11.03 r 1 h 11.46 13

B 11407

11.83 55 h 2 r 11.75 11.93 = 11.84 .09 .09

11.93 r 1 m 12.20 03

B 12381

10.89 72 h = 1 10.82

mo < 10.82

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1898phae.proj..709B

Mean 5, 1898

Measures of Carinae (Cont.)

B 12400

12.68
~~13.00~~ 0 = .1 12.78

rms. < 12.78

B 12533

Imperfect

B 12534

12.68
~~13.00~~ 0 = .1 12.78

rms < 12.78

B 12536

~~13.00~~ 0 = .1 12.78
12.68

rms < 12.78

B 12537

~~13.00~~ 0 2 r 12.88
12.68

B 12719

12.70 n = .1 12.50
140

rms. < 12.50

B 12720

12.68
~~13.00~~ 0 = .4 13.08

rms < 13.08

B 12741

12.70 40 n = .1 12.50

rms. < 12.50

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1898phae.proj...709B

Measures by Carnac (cont.)

B 12742

12.68
~~13.00~~ 0 = .3 12.98

mn. < 12.98

B 12786

11.~~89~~ 55 l = .1 11.65

mn. < 11.65

B 12787

12.~~20~~ 03 m = .1 12.13

mn < 12.13

B 12791

~~13.00~~ 12.68 0 = .2 12.88

mn < 12.88

B 12792

10.~~89~~ 72 l = .1 10.82

mn < 10.82

B 12808

9.~~98~~ 7 f = .1 ~~10~~ 10.07

mn < 10.07

B 12809

11.~~83~~ 55 l = .1 11.65

mn < 11.65

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1898phae.proj..709B

Mar. 5, 1898

Measures of Canum (Cont)

B. 12811

10.~~72~~[35] g =.1 10.45

mo < 10.45

B 12812

11.~~82~~[55] l =.3 11.85

mo < 11.85

B 12818 Sp.

8.82 ~~9.09~~ c =.1 8.92

mo < 8.92

B 12831

9.~~98~~[7] f =.1 10.07

mo < 10.07

B 12832

10.~~72~~[35] g =.1 10.45

mo < 10.45

B 12833

11.~~82~~[55] l =.1 11.65

mo < 11.65

B 12855

~~13.00~~ 12.68 o =.2 12.88

mo. < 12.88

Defect in negm.

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1898phae.proj...709B

Mar. 7, 1898

Measures Z Carinæ (cont.)

1h 45m

B12935

12.40 m = .2 12.60

rms < 12.60

B12936

12.68
~~13.00~~ 0 = .2 12.88

rms < 12.88

B12938

12.03
12.~~20~~ m = .2 12.23

rms < 12.23

B12939

~~13.00~~ 0 = .2 12.88
12.68

rms < 12.88

B13182

11.~~46~~ 13 kv 2r 11.33 11.55 11.93 = 11.~~90~~ 60 .57 .05 .33

11.55 r o l 11.~~83~~55

11.93 r 1 m 12.~~20~~03

B13189

11.~~46~~ 13 kv 2r 11.33 11.55 11.83 = 11.57 .24 .02 .26

11.55 r o l 11.~~83~~55

11.83 r 2 m 12.~~20~~03

B13190

11.~~46~~ 13 kv 2r 11.33 11.55 11.83 = 11.57 .24 .02 .26

11.55 r o l 11.~~83~~55

12.~~20~~03

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1898phae.proj..709B

Mar. 7, 1898

Measures ζ Carinae (umb.)

B 13477

10.35 q 2r 10.55 10.72 10.93 = 10.73 .18 .01 .20
10.72 r o h 10.72
10.93 r 2 h2 11.13

B 13478

10.72 h 1r 10.82 10.83 = 10.82 .00 .01
10.83 r 3 h2 11.13

B 13516

10.35 q 3r 10.65 10.62 = 10.64 .01 .02
10.62 r 1 h 10.72

B 13517

10.72 h 3r 11.02 10.93 = 10.98 .04 .05
10.93 r 2 h2 11.13

B 13519

10.35 q 3r 10.65 10.72 10.83 = 10.73 .08 .01 .10
10.72 r o h 10.72
10.83 r 3 h2 11.13

B 13520

10.72 h 2r 10.92 10.93 = 10.92 .00 .01
10.93 r 2 h2 11.13

B 13859

10.72 q 4r 11.12 10.93 = 11.02 .10 .09
10.93 r 2 h2 11.13

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1898phae.proj...709B

measures by Carnian (Cont)

B13860

10.72 h & 3 r 11.02 10.93 = 10.98 .04 .05

10.93 r 2 h 11.13

B13879

10.72 h & 4 r 11.13 10.93 = 11.02 .10 .09

10.93 r 2 h 11.13

B13880

10.72 h & 3 r 11.02 10.93 = 10.98 .04 .05

10.93 r 2 h 11.13

B14963

12.03 m = .1 12.13

rms < 12.13

B15018

12.68 0 = .1 12.78

rms < 12.78

B15130

12.40 m = .1 12.50

rms < 12.50

B15150

12.68 0 = .2 12.88

rms. < 12.88

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1898phae.proj...709B

March 7, 1898

2h 30m Measures Espin? (cont. fr. 120)

I 20 353
8.64 a1r 8.74 8.89 = 8.82 .08 .07
8.89 r2b 9.09

8.79 .05 .10 .05 .00

I 20354
8.64 a1r 8.74 8.79 = 8.76 .02 .03
8.79 r3b 9.09

I

I 14631
I 20313
I 20314 } Jos Jour. Mar. 5, 1898

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1898phae.proj...709B

Mar. 7, 1898

Measures R R Leonis (cont'd p. 111)

B 12790

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01

9.24 r 2 d 9.44

B 13761 2p.

8.42 b 1 r 8.52 8.82 = 8.67 .15 .15

8.82 r 1 C 8.92

Mar. 8, 1898.

R R Leonis

A. 2244

7.90 a 2 r 8.10 8.42 8.72 = 8.41 .31 .01 .31

8.42 r 0 b 8.42

8.72 r 2 C 8.92

A. 2228 2p.

8.42 b 1 r 8.52 8.72 = 8.62 .10 .10

8.72 r 2 C 8.92

2h 15m.

Mar. 14, 1898

R R Leonis.

B 15618 2p.

8.92 C 3 r 9.22 9.24 = 9.23 .01 .01

9.24 r 2 d 9.44

B 15517 2p.

8.92 C 3 r 9.22 9.34 = 9.28 .06 .06

9.34 r 1 d 9.44

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1898phae.proj...709B

Mar. 7, 1898

Measures of Cassiopeiae (cont.) p. 129

B 13761 8 pp.

8.82 C = .1 8.92

rms < 8.92

B 15202

12.03 m = .2 12.23

rms < 12.23

B 15209

12.68 0 = .2 12.88

rms < 12.88

B 15178

12.03 m = .1 12.13

rms < 12.13

B 15179

12.68 0 = .1 12.78

rms < 12.78

B 15214

12.68 0 = .4 13.08

rms < 13.08

B 15287

12.03 m = .2 12.23

rms < 12.23

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1898phae.proj...709B

Mar. 7, 1898

Measures Z Carinae (cont'd)

B 15288

12.40 m = .4 12.80

rms < 12.80

B 15290

12.40 m = .1 12.50

rms < 12.50

B 15291

12.680 = .3 12.98

rms < 12.98

B 15348

11.55 l = .1 11.65

rms < 11.65

B 15349

12.680 = .2 12.88

rms < 12.88

B15351

10.72 h = .1 10.82

rms < 10.82

B 15352

12.03 m = .2 12.23

rms < 12.23

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1898phae.proj..709B

Mar. 7, 1898

Measures by Carnie (cont.)

B 15364

12.68 0 =.2 12.88

rms <12.88

B 15365

12.40 n =.1 12.50

rms <12.50

B 15382

10.35 g =.1 10.45

rms <10.45

B 15383

12.40 n =.2 12.60

rms <12.60

B 15419

12.40 n =.1 12.50

rms <12.50

B 15420

10.72 h =.2 10.92

rms <10.92

B 15444 bp.

8.82 c =.1 8.92

rms. <8.92

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1898phae.proj..709B

March 8, 1898

2h 30' Measures ζ Carinae (cont.)

B 15446
12.68 0 =.2 12.88
rno <12.88

B 15498
Too near edge

B 15499
12.40 m =.1 12.50
rno <12.50

B 15502
12.40 m =.1 12.50
rno <12.50

B 15503
11.55 l =.1 11.65
rno <11.65

B 15536
12.68 0 =.3 12.98
rno <12.98

B 15626
11.13 k =.1 11.23
rno <11.23

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1898phae.proj..709B

Mar. 8, 1898

Measures of Carmae. (cont.)

B 15623
Two poor. Brus plate

B 15685
12.68 o =.1 12.78
rns < 12.78

B 15658
12.03 m =.1 12.13
rns < 12.13
Near edge

B 15672
12.40 m 2 r 12.60 12.58 = 12.59 .01 .01
12.58 r 10 12.68

B 15673
11.55 l =.1 11.65
rns < 11.65

B 15799
11.55 l 2 r 11.75
m ns

B 15877
Too poor
ngrown.

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1898phae.proj..709B

March 9, 1898

1hr 30m. Measures Z Carinae (cont.)

B 15919

11.55 l 1r 11.65 11.73 = 11.69 .04 .04

11.73 r 3m 12.03

B 15928

11.13 l 3r 11.43 11.55 11.93 = 11.64 .21 .09 .29

11.55 r 0l 11.55

11.93 r 1m 12.03

near edge

B 15929

11.13 l 2r 11.33 11.45 = 11.39 .06 .06

11.45 r 1l 11.55

B 15930

11.13 l 2r 11.33 11.45 = 11.39 .06 .06

11.45 r 1l 11.55

B 15974

10.35 q = 12

Ins < 10.55

B 15975

10.35 q 2r 10.55 10.52 = 10.54 .01 .02

10.52 r 2l 10.72

B 15517 8p.

Too poor in region

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1898phae.proj..709B

Mar. 9, 1898

Measures γ Cancrae (cont.)

B15618 Lp.

9.97 f =.1

rms < 10.07

B16102

9.97 f 3r 10.27 10.35 10.52 = 10.38 .11 .03 .14

10.35 r 0 g 10.35

10.52 r 2 h 10.72

B16213

10.35 g f 3r 10.65 10.62 = 10.64 .01 .02

10.62 r 1 gh 10.72

B16472

10.35 g f 2r 10.55 10.62 = 10.58 .03 .04

10.62 r 1 gh 10.72

B16506

10.35 g f 3r 10.65 10.52 = 10.58 .07 .06

10.52 r 2 gh 10.72

B16632

9.97 f =.2 10.17

rms < 10.17

B16633

10.35 g 3r 10.65 10.72 10.83 = 10.73 .08 .01 .10

10.72 r 0 h 10.72

10.83 r 1 h 11.13

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1898phae.proj..709B

Measures Z Carinae (cont.)

B 16634

10.35 q 3r 10.65 10.62 = 10.64 .01 .02

10.62 r 1h 10.72

B 16866

10.72 h 3r 11.02 10.93 = 10.98 .06 .05

10.93 r 2h 11.13

B 16766

10.72 h 2r 10.92 10.83 = 10.88 .04 .05

10.83 r 3h 11.13

B 16864

10.72 h 2r 10.92 10.93 = 10.92 .00 .00

10.93 r 2h 11.13

B 16865

10.72 h 4r 11.12 10.93 = 11.02 .10 .09

10.93 r 2h 11.13

B 16930

10.72 h 3r 11.02 11.03 = 11.02 .00 .01

11.03 r 1h 11.13

B 17025

8.82 C = .4 9.22

nuc. < 9.22

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Mar. 9, 1898

Museum Z Carmae (cmb.)

B 17082

10.72 h 3r 11.02 11.13 11.45 = 11.20 .18 .07 .25

11.13 r o h 11.13

11.45 r i h 11.55

B 17106

10.72 h = .1

r m s < 10.82

B 17526

11.55 h = .1

r m s < 11.65

B 17706

12.03 m = .1

r m s < 12.13

Poor in region

B 17752

11.55 h = .1

r m s < 11.65

B 17777

12.68 0 = .2

r m s < 12.88

B 18087

Does not come in region

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1898phae..proj...709B

Measures of Camelopardalis (cont.)

B 18119
10.72 h=.1
rms <10.82

B 18173
12.68 o=.3
rms <12.98

B 18174
12.68 o=.3
rms <12.98

B 18201
12.40 m=.1
rms <12.50

B 18262
9.97 f=.1
rms <10.07

B 18263
10.72 bo=.1
rms <10.82

B 18270
11.55 l=.1
rms. <11.65

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Mar. 9, 1898

Measures of Carmae (cont.)

B 18316

12.40 u = .1

rms < 12.50

B 18317

12.68 o = .3

rms < 12.98

B 18321

12.68 o = .2

rms < 12.88

B 18426

10.72 u = .3

rms < 11.02

B 18463

12.40 u = .1

rms < 12.50

B 18465

12.68 o = .1

rms < 12.78

B 18605

9.24 d = .1

rms. < 9.34

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Measures of Damoiseau (cont.)

B 18625

12.68 0 = .3

ms < 12.98

B 18628

12.68 0 = .2

ms < 12.88

B 18629

12.03 m = .1

ms < 12.13

B 18698

12.03 m = .3

ms < 12.33

B 18701

12.03 m = .1

ms < 12.13

B 18702

9.24 d = .2 < 9.44

ms

B 18748

9.24 d = .3

ms. < 9.54

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Mar. 9, 1898.

Measures ζ Carinae (cont'd)

B18802

12.68 0 =.1 12.78

rns < 12.78

B18831

12.68 0 =.2

rns < 12.88

B18805

12.680 =.3

rns < 12.98

B19065

11.55 l =.1

rns < 11.65

B19066

12.40 n 2 r 12.60

B19072

12.40 n =.1

rns. < 12.50

B19073

12.40 n 2 r 12.60 12.58 = 12.59 .01 .01

12.58 r 1 0 12.68

B19256

9.97 f =.1 10.07

rns. < 10.07

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1898phae.proj..709B

Measures of Carinae (cont.)

B19260

12.03 m 2r 12.23 12.20 = 12.22 .01 .02

12.20 r 2m 12.40

B19262

12.03 m 2r 12.23 12.20 = 12.22 .01 .02

12.20 r 2m 12.40

B19263

11.55 l = .1

rno < 11.65

B19292

11.13 ls = .1

rno < 11.23

B19467

11.13 ls 1r 11.23 11.45 = 11.34 .11 .11

11.45 r 1l 11.55

near edge

B19468

11.13 ls 4r 11.53 11.45 = 11.49 .04 .04

11.45 r 1l 11.55

defect on variable

B19469

11.13 ls 3r 11.43 11.55 11.73 = 11.57 .14 .02 .16

11.55 r 0l 11.55

11.73 r 3m 12.03

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Mar. 9, 1898

Measures of Carinae (cont.)

B 19470

11.13 ~~10.72~~ k 4r 11.~~12~~ 53 11.55 11.83 = 11.64 .11 .09 .09

11.55 r 0k 11.55

11.83 r 2m 12.03

B 19665

9.24 d = .2

m 9.44 <

B 19667

10.35 g 3r 10.65 10.62 = 10.64 .01 .02

10.62 r 1k 10.72

B 19668

10.35 g 3r 10.65 10.52 = 10.58 .07 .06

10.52 r 2k 10.72

B 19707

9.97 f 2r 10.17 10.25 = 10.21 .04 .04

10.25 r 1 g 10.35

A. 2402.

~~m 0 r~~ 11.55 k 8r 11.85 11.93 = 11.89 .04 .04

~~r 3 m~~ 11.93 r 1 m 12.03

B 11302

10.72 k 4r 11.12 11.03 = 11.08 .04 .05

11.03 r 1 k 11.13

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Mar. 9, 1898

Measures of Carmae (cont'd).

B 16042

10.72 lu 1 r 10.82 10.83 = 10.82 .00 .01

10.83 r 3 lu 11.13

B 15721

11.55 l = .1

r no < 11.65

B 12834

Does not cover.

B 16379

10.359 3 r 10.65 10.52 = 10.58 .07 .06

10.52 r 2 lu. 10.72

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1898phae.proj..709B

March 10, 1898

Measures Carmine

$10^h\ 39.9^m - 58°\ 45'.7$ (1875)

3h 0m

Comp. Stars B 16379

A 2208

9.48 C 2 r 9.68 9.68 = 9.68 .00 .00

9.68 r 2 d 9.88

B 18174

9.48 C 3 r 9.78 9.88 9.96 = 9.87 .09 .01 .09

9.88 r 0 d 9.88

9.96 r 2 e 10.16

B 18201

9.48 C 3 r 9.78 9.78 = 9.78 .00 .00

9.78 r 1 d 9.88

B 18263

9.48 C 3 r 9.78 9.68 = 9.73 .05 .05

9.68 r 2 d 9.88

Very near edge

B 18270

9.48 C 2 r 9.68 9.58 = 9.63 .05 .05

9.58 r 3 d 9.88

B 18321

9.48 C 1 r 9.58 9.58 = 9.58 .00 .00

9.53 r 3 d 9.88

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1898phae.proj...709B

Measures Cav. (cmb.)

B 18346

9.48 c 1 r 9.58 9.58 = 9.58 .00 .00

9.58 r 3 d 9.88

near edge

B18465

9.48 c 3 r 9.78 9.68 = 9.73 .05 .05

9.68 r 2 d 9.88

near edge

B18466

9.23 b 3 r 9.53 9.48 9.58 = 9.53 .00 .05 .05

9.48 r 0 c 9.48

9.58 r 3 d 9.88

B18513

9.48 c 1 r 9.58

dus.

near edge

B18628

9.48 c 2 r 9.68 9.68 = 9.68 .00 .00

9.68 r 2 d 9.88

B18629

9.48 c 1 r 9.58 9.58 = 9.58 .00 .00

9.58 r 3 d 9.88

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1898phae.proj..709B

Mar. 10, 1898

Measures Con. (cont).

B 18701
9.48 C3r 9.78 9.68 = 9.73 .05 .05
9.68 r2d 9.88

B 18702
9.48 C3r 9.78 9.68 = 9.73 .05 .05
9.68 r2d 9.88

B 18748
9.48 C4r 9.88 9.68 = 9.78 .10 .10
9.68 r2d 9.88

B 18802
9.48 C3r 9.78 9.68 = 9.73 .05 .05
9.68 r2d 9.88

B 18804
9.48 C3r 9.78 9.68 = 9.73 .05 .05
9.68 r2d 9.88
near edge

B 18831
9.48 C4r 9.88 9.68 = 9.78 .10 .10
9.68 r2d 9.88

B 18859
9.48 C3r 9.78 9.78 = 9.78 .00 .00
9.78 r1d 9.88

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1898phae.proj..709B

Mar. 10, 1898

Measures Cav. (cont.)

B18900
9.88 d 0 r 9.88
ens. new edge

B19072
9.48 C 3 r 9.78 9.68 = 9.73 .05 .05
9.68 r 2 d 9.88

B19073
9.48 C 3 r 9.78 9.88 9.96 = 9.87 .09 .01 .09
9.88 r 0 d 9.88
9.96 r 2 e 10.16

B19074
9.88 d 1 r 9.98
ens new edge

B19262
9.48 d 1 r C 3 r 9.78 9.78 = 9.78 .00 .00
9.78 r 3 r 1 d 9.88

B19263
9.48 C 2 r 9.68 9.68 = 9.68 .00 .00
9.68 r 2 d 9.88

B19292
9.48 C 4 r 9.88 9.68 = 9.78 .10 .10
9.68 r 2 d 9.88

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1898phae.proj..709B

Mar. 10, 1898

Measures Car. (cont.)

B 19469

9.48 C 4 r 9.88 9.68 = 9.78 .10 .10
9.68 r 2 d 9.88

B 19470

9.48 C 3 r 9.78 9.88 9.96 = 9.87 .09 .01 .09
9.88 r 0 d 9.88
9.96 r 2 e 10.16

B 19668

9.48 C 3 r 9.78 9.68 = 9.73 .05 .05
9.68 r 2 d 9.88

B 19707

9.48 C 4 r 9.88 9.68 = 9.78 .10 .10
9.68 r 2 d 9.88

A. 2402

9.48 C 2 r 9.68 9.58 = 9.63 .05 .05
9.58 r 3 d 9.88

A 2201

9.23 b 2 r 9.43 9.38 = 9.40 .03 .02
9.38 r 1 C 9.48

A 2236

9.48 C 1 r 9.58 9.58 = 9.58 .00 .00
9.58 r 3 d 9.88

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1898phae.proj..709B

Measures Can. (cont.)

A 2240
9.48 C 2 r 9.68 9.68 = 9.68 .00 .00
9.68 r 2 d 9.88

A 2248
9.48 C 2 r 9.68 9.58 = 9.63 .05 .05
9.58 r 3 d 9.88

A 2249
9.48 C 3 r 9.78 9.68 = 9.73 .05 .05
9.68 r 2 d 9.88

A 2386
9.48 C 3 r 9.78 9.68 = 9.73 .05 .05
9.68 r 2 d 9.88

A 2517
9.48 C 2 r 9.68 9.68 = 9.68 .00 .00
9.68 r 2 d 9.88

A 2524
9.48 C 2 r 9.68 9.68 = 9.68 .00 .00
9.68 r 2 d 9.88

A 2549
9.48 C 3 r 9.78 9.68 = 9.73 .05 .05
9.68 r 2 d 9.88

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1898phae.proj..709B

March 11, 1898.

Measures Camiaci (cont.)

22h 30m

A 1737

9.88 d 2r 10.08 9.96 = 10.02 .06 .06

9.96 r 2e 10.16

A 1743.

9.88 d 2r 10.08 9.96 = 10.02 .06 .06

9.96 r 2e 10.16

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1898phae.proj...709B

March 11, 1898

Measures Z. Carnac (emb.) page 147.

$1^{h}30^{m}$ B15930
a = 5.2
b = 5.4
c = 5.7
d = 6.0
e = 6.4
f = 6.7
g = 7.0
h = 7.3
hz = 7.7
l = 8.0
m = 8.4
n = 8.7
o = 9.0
rau = 7.9

11.33 11.45 = 11.39 .06 .06

B11171
a = 5.6
b = 5.9
c = 6.2
d = 6.7
e = 7.1
f = 7.4
g = 7.8
h = 8.3
hz = 8.7
l = 9.2
m = 9.6
n = 10.1
o = 10.3
rau = 8.8

11.23 11.15 = 11.19 .04 .04

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1898phae.proj..709B

Mar. 11, 1898

Measures of Cas. (cmb.)

B 10658

a = 5.0
b = 5.3
c = 5.6
d = 6.0
e = 6.3
f = 6.7
g = 7.2
h = 7.6
i = 8.1
k = 8.5
m = 9.1
n = ns
o = ns
nav = ns

< 12.03

B 15536

a = 3.0
b = 3.5
c = 3.9
d = 4.4
e = 4.8
f = 5.2
g = 5.5
h = 5.8
i = 6.1
k = 6.6
m = 7.1
n = 7.4

< 12.68

nav = ns.

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March 11, 1898

2h 0m

Measures R. 2. Centauri.

14h 16.1 −61° 20'

Comp. Stars B 9294.

B 15321

10.72 g 3r 11.02

hus

B 15353

10.34 f =.2 10.54

rms. < 10.54

B 15365

10.34 f=3 10.64

rms < 10.64

B 15367

11.76 l =.2 11.96

rms < 11.96

B 15405

12.56 m 3r 12.86

B 15420

9.99 e=.1 10.09

rms < 10.09

near edge

B 15422

10.72 g =.1 10.82

rms < 10.82

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Mar. 11, 1898

Measures R. S. Centaurus (cont.)

B 15626

10.72 g = .1 10.82
nuo < 10.82

B 15635

10.34 f 3r 10.64 10.62 = 10.63 .01 .01
10.62 r 1 g 10.72

B 15503

10.34 f = .1 10.44
nuo near edge < 10.44

B 15505

10.72 g = .1 10.82
nuo < 10.82
near edge

B 15556

11.76 l 2r 11.96 11.91 = 11.94 .02 .03
11.91 r 2 m 12.11

B 15557 8f.

10.34 f = .1 10.44
nuo < 10.44

B 15636

10.34 f 3r 10.64 10.62 = 10.63 .01 .01
10.62 r 1 g 10.72

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1898phae.proj...709B

Mar. 11, 1898.

Measures R Centauri (cont.)

B 15722

9.25 C 3 r 9.55 9.67 9.69 = 9.64 .09 .03 .05

9.67 r 0 d 9.67

9.69 r 3 l 9.99

B 15919

9.25 C 3 r 9.55 9.57 = 9.56 .01 .01

9.57 r 1 d 9.67

B 15921

9.25 C 2 r 9.45 9.47 = 9.46 .01 .01

9.47 r 2 d 9.67

B 15931

9.25 C 3 r 9.55 9.47 = 9.51 .04 .04

9.47 r 2 d 9.67

B 15966

9.25 C 2 r 9.45 9.57 = 9.51 .06 .06

9.57 r 1 d 9.67

B 16044

9.67 d 2 r 9.87 9.79 = 9.83 .04 .04

9.79 r 2 l 9.99

B 16130

9.67 d 2 r 9.87 9.79 = 9.83 .04 .04

9.79 r 2 l 9.99

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1898phae.proj..709B

Mar. 11, 1898

Measures R.S. Centaurus (cont.)

B16219

9.67 d 3r 9.97 9.99 10.14 = 10.03 .06 .04 .11

9.99 r 0 d 2 9.99

10.14 r 2 f 10.34

B16301

9.99 4 d 1r 10.09 10.14 = 10.12 .03 .02

10.14 r 2 4 f 10.34

B16302

9.99 d 2r 10.19 10.34 10.42 = 10.32 .13 .02 .10

10.34 r 0 f 10.34

10.42 r 3 g 10.72

B16381

10.34 f 2r 10.54 10.52 = 10.53 .01 .01

10.52 r 2 g 10.72

B16598

10.72 g 3r 11.02

hr ms. < ++

B16634

9.99 2 = .1 10.09

ms. < 10.09

Near edge

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Mar 11, 1898

Measures RS Centaurus (cont.)

B16844
11.76 l 2 r 11.96 11.81 = 11.89 .07 .08
11.81 r 3 m 12.11

B16866
11.76 l 1 r 11.86
m m s ~~< 11.86~~

B16868
11.76 l 1 r 11.86
m m s ~~< 11.86~~

B16969
12.11 m 1 r 12.21
m m s ~~< 12.21~~

B17032
11.76 l = .2 11.96
m s < 11.96

B17106
10.72 q = .2 10.92
m s < 10.92
near edge

B17108
11.04 l = .1 11.14
m s < 11.14

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1898phae.proj..709B

Mar. 11, 1898

Measures R 3 Centaurus (cmb.)

B17310

10.72 g=.1 10.82
nuo < 10.82

B18179 (Looked at ag. + confirmed).

9.67 d 4 r 10.07 9.99 10.04 = 10.03 .04 .04 .01
9.99 r 8 2 9.99
10.04 r 3 f 10.34

B18282

10.72 g=.2 10.92
nuo < 10.92

B18290

11.44 l 2 r 11.64 11.76 11.91 = 11.77 .13 .01 .14
11.76 r o l 11.76
11.91 r 2 m 12.11

B18322

11.44 l 2 r 11.54 11.76 = 11.65 .11 .11
11.76 r o l 11.76
mns.

B18346

11.76 l 2 r 11.96 12.01 = 11.98 .02 .03
12.01 r 1 m 12.11

? B18427

12.11 m 3 r 11.41
nno.

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1898phae.proj...709B

May. 11, 1898.

Measures R. S. Cents. (cont.)

B 18427
12.11 m 4 r 11.51
nuo

B 18454
10.72 g -.2 10.92
nuo < 10.92

B 18466
In marredge

B 18470
11.04 h -.2 11.24
nuo < 11.24

B 18629
10.34 f 3 r 10.64 10.52 = 10.58 .06 .06
10.52 r 2 g 10.72

B 18632
10.34 f 3 r 10.64 10.52 = 10.58 .06 .06
10.52 r 2 g 10.72

B 18669
9.25 c 3 r 9.55 9.67 9.79 = 9.67 .12 .00 .12
9.67 r o d 9.67
9.79 r 2 e 9.99

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1898phae.proj..709B

Mar. 11, 1898.

Measures R S Centaurus (cmb.)

B18671
9.25 c 3r 9.55 9.57 = 9.56 .01 .01
9.57 r 1d 9.67

B18702
9.67 d = .1 9.77
rns < 9.77
heavedge

B18802
9.25 C 2r 9.45 9.87 = 9.41 .04 .04
9.37 r 3d 9.67

B18804
8.75 b 4r 9.15 9.25 9.57 = 9.32 .17 .07 .25
9.25 r oc 9.25
9.57 r 2d 9.67

B18806
9.25 C 2r 9.45 9.37 = 9.41 .04 .04
9.37 r 3d 9.67

B18859
9.25 C 2r 9.45 9.37 = 9.41 .04 .04
9.37 r 3d 9.67

B18900
9.25 C 1r 9.35 9.37 = 9.36 .01 .01
9.37 r 3d 9.67

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1999phae.proj...709B

Mar. 11, 1898

Measures R S Centaurus (cms.)

B19072

9.99 c2 r 10.19 10.34 10.52 = 9.35 .16 .01 .17

10.34 r of 10.34

10.52 r2 g 10.72

B19074

9.99 c1 r 10.09 10.34 10.52 = 9.32 .23 .02 .20

10.34 r of 10.34

10.52 r2 g 10.72

B19076

10.34 f1 r 10.44 10.52 = 10.48 c .04 .04

10.52 r2 g 10.72

B19263

10.72 g =.1 10.82

rms. < 10.82

B19265

10.72 g2 r 10.92 10.94 = 10.93 .01 .01

10.94 r1 h 11.04

B19267

11.04 h1 r 11.14

cms.

B19470

11.04 h1 r 11.14 11.24 = 11.19 .05 .05

11.24 r2 h2 11.44

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1898phae.proj...709B

Mar. 11, 1898.

Measures R Centauris (cmb.)

B19471

11.04 h 4r 11.44 11.24 = 11.34 .10 .10
11.24 r 2 h 11.44

B19473

11.04 h 2 r 11.24 11.34 = 11.29 .05 .05
11.34 r 1 h 11.44

B19587

11.04 h 2 r 11.24 11.44 11.56 = 11.41 .17 .03 .15
11.44 r 0 h 11.44
11.56 r 2 l 11.76

B19646

11.76 l = .1 11.86
r no < 11.86

B19567

11.76 l 1 r 11.86
m no.

B19668

10.34 f = .3 10.64
r no < 10.64
near edge

B19669

11.76 l 3 r 12.06 11.91 = 11.98 .08 .07
11.91 r 2 m 12.11

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1898phae.proj..700B

Mar. 11, 1898

Measures R S Centauri (cont.)

B 19671
11.04 h = .1 11.14
rns. < 11.14

A 25521
11.76 h 2 r 11.96 12.01 = 11.98 .02 .03
12.01 r 1 m 12.11

A 2513
11.76 h 2 r 11.96 11.91 = 11.94 .02 .03
11.91 r 2 m 12.11

A 22422
9.25 c 2 r 9.45 9.47 = 9.46 .01 .01
9.47 r 2 d 9.67

A 2250
9.25 c 3 r 9.55 9.47 = 9.51 .04 .04
9.47 r 2 d 9.67

Mar. 14, 1898.
R S Centauri (cont.)

2h 30m

B 15721
9.25 c 4 r 9.65 9.67 9.69 = 9.67 .02 .00 .02
9.67 r 0 d 9.67
9.69 r 3 e 9.99

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1898phae.proj..709B

Mar. 14, 1898

Measures R Centaurus

B 15149 2 sp.

9.25 c2r 9.45 9.57 = 9.51 .06 .06

9.57 r1d 9.67

B 12743

9.99 e2r 10.19 10.24 = 10.22 .03 .02

10.24 r1f 10.34

B 10924

12.11 mv1r 12.21

n ns.

B 9291

10.34 f3r 10.64 10.62 = 10.63 .01 .01

10.62 r2g 10.72

~~r2b~~

B 7959

11.04 h3r 11.34 11.34 = 11.34 .00 .00

11.34 r1k 11.44

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1898phae.proj..709B

March 14, 1898

Measures of var. in Herculis

$0^h 2.3^m - 39°55'.5$ (1900) CDec $-39° 16$

$2^h 30^m$ Comp. & stars B 11205.

B 14879 8 p.

✓ 9.69 g = .1 9.79

nus < 9.79

B 15995 4

8 4 2 a 2 r 9.02 9.34 9.49 = 9.28 .26 .06 .21

9.34 r 0 f 9.34

9.49 r 2 g 9.69

B 16331

9.34 f 1 r 9.44 9.49 = 9.46 .02 .03

9.49 r 2 g 9.69

B 16460

9.69 g 2 r 9.89 9.77 = 9.83 .06 .06

9.77 r 3 h 10.07

B 16758

10.07 h 3 r 10.37 10.47 = 10.42 .05 .05

10.47 r 1 h 10.57

B 16789

10.07 h 3 r 10.37 10.37 = 10.37 .00 .00

10.37 r 2 h 10.57

B 16833

10.07 h 4 r 10.47 10.47 = 10.47 .00 .00

10.47 r 1 h 10.57

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1898phae.proj..709B

Mar. 14, 1898

Measures Van Biesbroeck (cont'd)

B 16923

10.57 ls 3 r 10.87 10.69 = 10.78 .09 .09
10.69 r 2 l 10.89

B 16988

10.57 ls 3 r 10.87 10.79 = 10.83 .04 .04
10.79 r 1 l 10.89

B 17010

10.57 ls 3 r 10.87 10.89 11.21 = 10.99 .12 .10 .22
10.89 r o l 10.89
11.21 r 2 m 11.41

B 17102

11.41 m 2 r 11.61

B 17265

11.41 m 3 r 11.71

B 17358 f.

8.82 l : 2 9.02
rms < 9.02

B 17468

11.41 m : 3 11.71
rms < 11.71

B 17596

9.69 q : 6 10.29
rms < 10.29

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1898phae.proj..709B

Mar. 14, 1898.

Measures Van V Sculptor (cont).

B 17735
11.41 m = .4 11.81
rms < 11.81

B 17791
10.57 lo = .3 10.87
rms < 10.87

B 17844
11.41 m = .3 11.71
rms < 11.71

B 17882
10.89 l = .1 10.99
rms < 10.99
near edge

B 18033
11.41 m = .2 11.61
rms < 11.61

B 18516
11.41 m 2 v 11.61

B 19503
11.41 m 3 v 11.71

B 19740
11.41 m = .3 11.71
rms < 11.71

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1898phae.proj..709B

Mar. 14, 1898

Measures Dav V Sculptor (cont.)

B 19889

11.41 m = .1 11.51
rms < 11.51

B 20020

11.41 m = .3 11.71
rms < 11.71

B 20138 Sp.

8.82 e = .1 8.92
rms < 8.92

B 20163

11.41 m = .1 11.51
rms < 11.51

B 20303

11.41 m = .4 11.81
rms < 11.81

B 20551 Sp.

10.57 ks = .1 10.67
rms < 10.67

B 19760

11.41 m = .1 11.51
rms. < 11.51

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1898phae.proj...709B

March 7, 1898

Measures of W Puppis -

$2^h\ 30^m$

Comp. Stars B 12338

B 4660 8p.
8.14 b=.2 8.34
rms < 8.34

B 8887 8p.
9.90 f=.3 10.20
rms < 10.20

B 8897 8p.
9.90 f 2r 10.10 10.28 = 10.19 .09 .09
10.28 r 1g 10.38

B 8978 8p.
Too poor

B 8980 8p.
f=.3 9.14 d 1r 9.24 9.32 = 9.28 .04 .04
r 9.32 r 2g 9.52

B 9021 8p.
8.64 c=.1 8.74
rms < 8.74

B 9044 8p.
8.64 c 2r 8.84 8.94 = 8.89 .05 .05
8.94 r 2d 9.14

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1898phae.proj..709B

Mean 17, 1898

Measures of ν Puppis (cont.)

B9083 bfp.
9.14 d ✗ 2 r 9.34 9.32 = 9.33 .01 .01
9.32 r 2 u 9.52

B10639 bfp.
8.64 c 1 r 8.74 8.94 = 8.84 .10 .10
8.94 r 2 d 9.14

B10786 bfp.
8.64 c = .1 8.74
rns < 8.74

B10813
Useless

B12801 bfp.
9.14 d = .1 9.24
rns < 9.24

B13011
9.90 f 3 r 10.20 9.98 = 10.09 .11 .11
9.98 r 4 g 10.38

B13054 bfp.
Too near edge

B14971
9.90 f 3 r 10.20 9.88 = 10.04 .16 .16
9.88 r 5 g 10.38

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1898phae.proj...709B

May. 17, 1898

Measures W Puppis (cont.)

B14990

9.90 f 3r 10.20 9.88 = 10.04 .16 .16
9.88 r 5g 10.38

B15076

9.90 f 3r 10.20 9.88 = 10.04 .16 .16
9.88 r 5g 10.38

B15228

9.90 f 5r 10.~~20~~40 ~~9.88~~10.08 = 10.~~04~~24 .16 .16
~~9.88~~10.08 r 3g 10.38

B15303

10.88 h 2r 11.08 11.18 = 11.13 .05 .05
11.18 r 2h 11.38

B15305

10.88 h 2r 11.08 11.18 = 11.13 .05 .05
11.18 r 2h 11.38

B15342

9.90 f 4r 10.30 9.78 = 10.04 .26 .26
9.78 r 6g 10.38

B15360

9.14 d 2r 9.34 9.22 = 9.28 .06 .06
9.22 r 3h 9.52

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1898phae.proj..709B

Mar. 17, 1898

measures N Piscis (cont.)

B 15415

9.14 d 1 r 9.24 9.22 = 9.23 .01 .01

9.22 r 3 e 9.52

B 15460

9.52 e 2 r 9.72 9.80 = 9.76 .04 .04

9.80 r 1 f 9.90

B 15463

9.52 e 1 r 9.62 9.70 = 9.66 .04 .04

9.70 r 2 f 9.90

B 15494

9.90 f 4 r 10.30 10.08 = 10.19 .11 .11

10.08 r 3 g 10.38

B 15660

11.38 le 4 r 11.78 11.90 12.10 = 11.93 .15 .03 .17

11.90 r o k 11.90

12.10 r 3 m 12.40

B 15970

Trail excessive

B 16056

10.38 g 4 r 10.78 10.88 11.08 = 10.91 .13 .03 .17

10.88 r o h 10.88

11.08 r 3 k 11.38

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1898phae.proj...709B

Mar. 17, 1898

Measures in Puppis (cont'd)

B16374

9.90 f 3r 10.30 10.08 = 10.14 .06 .06

10.08 r 3g 10.38

B17629

9.14 d 2r 9.34 9.22 = 9.28 .06 .06

9.22 r 3 e 9.52

B17382

11.90 l 2r 12.10 12.30 = 12.20 .10 .10

12.30 r 1 m 12.40

B17521

10.88 h 2r 11.08 11.08 = 11.08 .00 .00

11.08 r 3 h 11.38

B17611

10.38 g 3r 10.68 10.68 = 10.68 .00 .00

10.68 r 2 h 10.88

B17703

9.90 f 4r 10.30 10.08 = 10.19 .11 .11

10.08 r 3g 10.38

B17746

9.52 e 2r 9.72 9.80 = 9.76 .04 .04

9.80 r 1 f 9.90

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1898phae.proj..709B

Mar. 17, 1898

Measures W. Puffis (cont.)

B 17936

9.14 d 2 r 9.34 9.22 = 9.28 .06 .06

9.22 r 3 l 9.52

B 17961

9.14 d 2 r 9.34 9.22 = 9.28 .06 .06

9.22 r 3 l 9.52

B 18016

9.14 d 1 r 9.24 9.32 = 9.28 .04 .04

9.32 r 2 l 9.52

B 18044

9.14 d 3 r 9.44 9.32 = 9.38 .06 .06

9.32 r 2 l 9.52

B 18167

9.14 d 3 r 9.44 9.42 = 9.43 .01 .01

9.42 r 1 l 9.52

B 18238 Sp.

[illegible] 10.38 = 1 10.48

[illegible] rev. < 10.48

B 18253

11.38 d 1 r 11.48 11.60 = 11.54 .06 .06

11.60 r 3 l 11.90

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1898phae.proj...709B

Mar. 17, 1898

Measures N Persei (cont.)

B 18289 Sp.
10.88 h =.3 11.18
mn < 11.18

B 18307
11.90 f 2r 12.10 12.20 = 12.15 .05 .05
12.20 r 2mn 12.40

B 18386 Sp.
Too near edge

B 18397
10.38 g 3r 10.68 10.88 11.08 = 10.88 .20 .00 .20
10.88 r ob 10.88
11.08 r 3f 11.38

B 18435 Sp.
9.90 f =.4 10.30
mn < 10.30

B 18539
9.90 f 4r 10.30 9.88 = 10.09 .21 .21
9.88 r 5g 10.38

B 18598
9.14 d 2r 9.34 9.32 = 9.33 .01 .01
9.32 r 2e 9.52

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1898phae.proj..709B

Mar. 17, 1898

measures N Puppis (cont.)

B 18667

9.90 f 2 r 10.10 9.78 = 9.94 .16 .16
9.78 r 6 g 10.38

B 18739

9.90 f 3 r 10.20 9.98 = 10.09 .11 .11
9.98 r 4 g 10.38

B 18851

10.38 g f 2 r 10.58 10.58 = 10.58 .00 .00
10.58 r 3 h 10.88

B 19029

11.38 h s 1 r 11.48 11.70 = 11.59 .11 .11
11.70 r 2 h 11.90

B 19207

10.38 g f 3 r 10.68 10.78 = 10.73 .05 .05
10.78 r 1 h 10.88

B 19460

9.90 f 2 r 10.10 9.98 = 10.04 .06 .06
9.98 r 4 g 10.38

B 20306

11.38 h s 3 r 11.68 11.70 = 11.69 .01 .01
11.70 r 2 h 11.90

B 20460

10.88 h 4 r 11.28 11.38 11.60 = 11.42 .14 .04 .18
11.38 r 0 h s 11.38
11.68 r 0 h 11.68

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1898phae.proj..709B

Mar. 17, 1898

Nicaraus N Puppis (cont.)

B 20464 -
Does not enter region.

T3 18559 Rh.
9.52 l - 11 9.62
rms. < 9.62

2h 0m

Mar. 21, 1898.

A 1768
11.38 ls 4 N 11.78 11.70 = 11.74 .04 .04
11.70 N 2 l 11.90

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1898phae.proj..709B

Mar. 21, 1898

2 hr 10 m Measures R S Centaurus (cont.) p. 168.

B 16042

~~v = 29.67~~ d 2 r 9.87 9.79 = 9.83 .04 .04

~~vis~~ 9.79 r 2 c 9.99 near edge.

B 16379

10.34 f 2 r 10.54 10.42 = 10.48 .06 .06

10.42 r 3 g 10.72

near edge.

April 17, 1898

0 hr 30 m

B 19072

9.99 e 2 r 10.19 10.24 = 10.22 .03 .02

10.24 r 1 f 10.34

near edge

B 19074

10.34 f 1 r 10.44 10.62 = 10.53 .09 .09

10.62 r 1 g 10.72

B 16507

10.34 f = .2

vis. < 10.54

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1898phae.proj...709B

March 21, 1898

2h 30m Measures R Octantis (cont.) p. 44.

A 2245

8.25 23 r 8.55

fus.

Nearedge.

2246

A ~~1645~~

8.25 e 2r 8.45 8.40 = 8.42 .03 .02

8.40 r 2 f 8.60

Nearedge.

3h 10m April 4. (cont)

B 16927

8.25 e = .5

mus < 8.75

B ~~17301~~ 15967

9.57 fs 3 r 9.87 9.65 = 9.76 .11 .11

9.65 r 2 f 9.85

B 16798

10.60 nw 3 r 10.90 10.92 = 10.91 .01 .01

10.92 r 10 11.02

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1898phae.proj..709B

March 21, 1898

Measures of X Centaurus.

Comp. Stars. B9263

2h 45m

B 15760

9.03 c 1 r 9.13 9.19 = 9.16 .03 .03

9.19 r 3 d 9.49

B 15320

11.09 h 5 r 11.59 11.53 = 11.56 .03 .03

11.53 r 2 h 11.73

B 15848

8.55 b 3 r 8.85 8.83 = 8.84 .01 .01

8.83 r 2 c 9.03

B 13618

7.49 a 3 r 7.79 8.35 = 8.07 .28 .28

8.35 r 2 b 8.55

B 13646

7.49 a 4 r 7.89 8.55 8.73 = 8.39 .50 .16 .34

8.55 r 0 b 8.55

8.73 r 3 c 9.03

B 15366

9.49 d 4 r 9.89 9.99 10.13 = 10.00 .11 .01 .13

9.99 r 0 e 9.99

10.13 r 2 f 10.33

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1898phae.proj...709B

Mar. 21, 1898

Measures X Centauris (cmb.)

B 15421

9.03 C 2 r 9.23 9.19 = 9.21 .02 .02

9.19 r 3 d 9.49

B 15501

7.49 a 2 r 9.69 8.25 = 7.97 .28 .28

8.25 r 3 b 8.55

B 15605 dp.

In near edge

B 15677

8.55 b 2 r 8.75 8.73 = 8.74 .01 .01

8.73 r 3 C 9.03

B 15881

8.55 b 3 r 8.85 9.03 9.19 = 9.02 .17 .01 .17

9.03 r 0 C 9.03

9.19 r 3 d 9.49

B 15913

9.03 C 2 r 9.23 9.19 = 9.21 .02 .02

9.19 r 3 d 9.49

Near edge

B 15920

8.58 b 3 r 8.85 9.03 9.29 = 9.06 .21 .03 .23

9.03 r 0 C 9.03

9.29 r 2 d 9.49

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1898phae.proj..709B

Mar. 21, 1898

Measures K Centauri (cmb).

B 16043

9.03 C 2 r 9.23 9.49 9.69 = 9.47 .24 .02 .22
9.49 r 0 d 9.49
9.69 r 3 e 9.99

B 16081

9.03 C 5 r 9.53 9.39 = 9.46 .07 .07
9.39 r 1 d 9.49
nearedge

B 16128

9.49 d 3 r 9.79 9.79 = 9.79 .00 .00
9.79 r 2 e 9.99

B 16380

9.49 d 2 r 9.69 9.99 10.13 = 9.94 .25 .05 .19
9.99 r 0 e 9.99
10.13 r 2 f 10.33

B 16597

10.33 f 1 r 10.43 10.71 10.79 = 10.64 .21 .07 .15
10.71 r 0 g 10.71
10.79 r 3 h 11.09

B 16867

10.71 g 3 r 11.01 10.89 = 10.95 .06 .06
10.89 r 2 h 11.09

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1898phae.proj...709B

Mar. 21, 1898

Measures ζ Centaurus (cont.)

B17107

11.09 lv 4 r 11.49 11.63 = 11.56 .07 .07

11.63 r 1 lv 11.73

B17309

11.09 lv = .2 11.29

rms < 11.29

B18203

9.99 l = .1 10.09

rms < 10.09

B18207

11.09 lv 4 r 11.49 11.53 = 11.61 .02 .02

11.53 r 2 lv 11.73

B18243

10.33 f = .1 10.43

rms < 10.43

B18272

9.99 l 3 r 10.29 10.23 = 10.26 .03 .03

10.23 r 1 f 10.33

B18320

9.49 d 2 r 9.69 9.69 = 9.69 .00 .00

9.69 r 3 l 9.99

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1898phae.proj..709B

Mar. 21, 1898

Measures X Centauris (cont.)

B 18452

7.49 a 3 r 7.79 8.35 = 8.07 .28 .28
8.35 r 2 b 8.55

B 18467

7.49 a 3 r 7.79 8.25 = 8.02 .23 .23
8.25 r 3 b 8.55

B 18564

7.29 r 2 a 7.49

B 18631

7.49 a 3 r 7.79 8.35 = 8.07 .28 .28
8.35 r 2 b 8.55

B 18670

8.55 b 2 r 8.75 8.83 = 8.79 .04 .04
8.83 r 2 c 9.03

B 18705

9.03 c 3 r 9.33 9.49 8.73 = 9.18 .15 .31 .45
9.49 r 0 d 9.49
8.73 r 3 c 9.03

B 18862

9.03 c 4 r 9.43 9.49 9.69 = 9.54 .11 .05 .15
9.49 r 0 d 9.49
9.69 r 3 c 9.99

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1898phae.proj...7098

Mar. 21, 1898

Measures X Centauri (cont.)

B18934
9.03 C 6 r 9.68 9.69 = 9.66 .03 .03
9.63 r 3 e 9.99
d not on plate

B19077
9.99 e 3 r 10.29 10.23 = 10.26 .03 .03
10.23 r 1 f 10.33

B19266
10.71 g 2 r 10.91 10.99 = 10.95 .04 .05
10.99 r 1 h 11.09

B19299
10.71 g 3 r 11.01 11.09 = 11.05 .04 .04
11.09 r 0 h 11.09
h ns

B19472
11.09 h 2 r 11.29 11.43 = 11.36 .07 .07
11.43 r 3 h 11.73

B19539
11.09 h 3 r 11.39 11.43 = 11.41 .02 .02
11.43 r 3 h 11.73

B19565
11.09 h 3 r 11.39 11.33 = 11.36 .03 .03
11.23 r 4 h 11.73

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1898phae.proj..709B

Mar. 21, 1898.

Measures X Centauris (cmb.)

B 19670

11.09 lu 5 r 11.59 11.63 = 11.61 .02 .02
11.63 r 1 lu 11.73

A 2358

11.09 lu 2 r 11.29
ls ns.

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1898phae.proj...709B

March 24, 1898

Measures W Centauri

2h 0m Z C 11h 3351 Comp. Stars 9704.

B 11261 1* 8 fr.

9.51 e =.1

mn <9.61

B 13762 8 fr.

8.33 c 4r 8.73 8.77 = 8.75 .02 .02

8.77 r 2d 8.97

B 15321

8.33 c 2r 8.53 8.87 = 8.70 .17 .17

8.87 r 1d 8.97

B 15367

11.13 lc 3r 11.43 11.55 = 11.49 .06 .06

11.55 r 1l 11.65

B 15422

12.05 m 3r 12.35 12.35 = 12.35 .00 .00

12.35 r 1m 12.45

B 15505

12.45 m 2r 12.65 12.75 = 12.70 .05 .05

12.75 r 1 0 12.85

B 15540

12.45 m =.1

mn < 12.55

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1898phae.proj...709B

March 24, 1898

Measures W Centauri (cont.)

B 15636

12.85 o 2 r 13.05 13.11 = 13.08 .03 .03

13.11 r 1 f 13.21

B 15722

12.85 o = .1

nno < 12.95

B 15921

12.85 o 3 r 13.15 13.01 = 13.08 .07 .07

13.01 r 2 f 13.21

B 15931

12.85 o 2 r 13.05 13.11 = 13.08 .03 .03

13.11 r 1 f 13.21

B 15966

12.45 n 2 r 12.65 12.85 = 12.75 .10 .10

12.85 r o o 12.85

fno

B 16044

12.45 n 2 r 12.65 12.75 = 12.70 .05 .05

12.75 r 1 o 12.85

B 16130

12.05 nn 3 r 12.35 12.35 = 12.35 .00 .00

12.35 r 1 nn 12.45

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1898phae.proj..709B

March 24. 1898

Measures H Centauri (cont.)

B 16 219

12.05 m = .1

vus. < 12.15

B 16220

11.13 lv 5r 11.63 11.65 11.95 = 11.74 .11 .09 .21

11.65 lv 0r 11.65

11.95 r 1m 12.05

B 16302

11.65 lv 2r 11.85 11.95 = 11.90 .05 .05

11.95 r 1m 12.05

B 16381

11.13 lv 4r 11.53 11.65 11.85 = 11.68 .15 .03 .17

11.65 r 0 l 11.65

11.85 r 2m 12.05

B 16598

10.65 lv 1r 10.75 10.93 = 10.84 .09 .09

10.93 r 2 lv 11.13

B 16868

8.97 d 3r 9.27

e scratched off

B 16969

8.87 r 1 d 8.97

Cent on plate

Dr. ed. ok.

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1898phae.proj..709B

March 24, 1898

Measures W Centauri (cont.)

B 17108

8.97 d 3 r 9.27 9.51 9.73 = 9.50 .23 .01 .23

9.51 r o e 9.51

9.73 r 3 f 10.03

B 17310

10.65 l 3 r 10.95 10.83 = 10.89 .06 .06

10.83 r 3 l 11.13

B 18179

11.65 l = .1

r n s < 11.75

B 18282

11.13 l 3 r 11.43 11.65 11.85 = 11.64 .21 .01 .21

11.65 r o l 11.65

11.85 r 2 m 12.05

B 18284

11.13 l 3 r 11.43 11.55 = 11.49 .06 .09

11.55 r 1 l 11.65

near edge.

B 18290

11.13 l 4 r 11.53 11.65 = 11.59 .06 .06

11.65 r o l 11.65

m n s.

near edge

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Measures of α Centauri (cont)

B 18319

11.13 b 2 r 11.33 11.45 = 11.39 .06 .06
11.45 r 2 b 11.65

B 18346

10.65 b 2 r 10.85 10.93 = 10.89 .04 .04
10.93 r 2 b 11.13

B 18322

11.13 b 2 r 11.33 11.55 = 11.44 .11 .11
11.55 r 1 b 11.65

B 18454

10.03 f 2 r 10.23 10.31 10.45 = 10.33 .10 .02 .12
10.31 r 0 g 10.31
10.45 r 2 h 10.65

B 18468

9.51 e 4 r 9.91 9.73 = 9.82 .09 .09
9.73 r 3 f 10.03
Newedge

B 18470

9.51 e 3 r 9.81 9.93 = 9.87 .06 .06
9.93 r 1 f 10.03

B 18513

9.51 e 2 r 9.71 9.93 = 9.82 .11 .11
9.93 r 1 f 10.03

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March 24, 1898

Measures in W Centauri (cont'd)

B 18576

8.97 d 2 r 9.17 9.41 = 9.29 .12 .12
9.41 r 1 e 9.51
near corner

B 18632

9.51 e 1 r 9.61 9.73 = 9.67 .06 .06
9.73 r 3 f 10.03

B 18669

10.03 f 3 r 10.33 10.11 = 10.22 .11 .11
10.11 r 2 g 10.31

B 18671

10.03 f 3 r 10.33 10.11 = 10.22 .11 .11
10.11 r 2 g 10.31

B 18675

Too near corner

B 18804

11.13 b 2 r 11.33 11.55 = 11.44 .11 .11
11.55 r 1 d 11.65

B 18806

11.13 b 3 r 11.43 11.65 11.75 = 11.61 .18 .04 .14
11.65 r 0 d 11.65
11.75 r 3 m 12.05

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1898phae.proj...709B

March 24, 1898

Measures N Centauri (cont.)

B 18901

11.13 lbs = .2 11.33

nns < 11.33

B 18902

11.13 lbs 4r 11.53

lns

B19074

12.05 m 2r 12.25 12.45 12.15 = 12.28 .03 .17 .13

12.45 r 0m 12.45 1

12.15 r 30 12.45

B19076

12.05 m 3r 12.35 12.45 12.65 = 12.48 .13 .03 .17

12.45 r 0m 12.45

12.65 r 20 12.85

B19265

12.05 m = .1

nns < 12.15

B19267

12.85 0 2r 13.05 13.01 = 13.03 .02 .02

13.01 r 2 f 13.21

B19471

12.86 0 2r 13.05

fns

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1898phae.proj..709B

Mar. 24, 1898

Measures Wolbach

B 19473

12.85 0 3 r 13.15 13.11 = 13.13 .02 .02

13.11 r 1 f 13.21

B 19537

12.05 m = .3

r no < 12.35

B 19567

12.05 m = .4

r no < 12.45

B 19646

12.05 m = .1

r no < 12.15

B 19669

11.65 l = .2

r no < 11.85

B 19671

12.85 m 3 r 13.15 12.85 = 13.00 .15 .15

12.85 r 0 o 12.85

f no

B 19987

11.13 k 2 r 11.33 11.45 = 11.39 .06 .06

11.45 r 2 e 11.65

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Mar. 24, 1898

Measures N Centauri.

B 19993

11.13 ls 2 r 11.33 11.35 = 11.34 .01 .01

11.35 r 3 l 11.65

A 1848

11.13 ls 4 r 11.53 11.45 = 11.49 .04 .04

11.45 r 2 l 11.65

April 4. 1898.

3h 30m

B 3314

8.97 d l r 9.07 9.21 = 9.14 .07 .07

9.21 r 3 l 9.51

B 16312

11.65 l 2 r 11.85 11.95 = 11.90 .05 .05

11.95 r 1 m 12.05

B 16220

11.65 l 2 r 11.85 11.95 = 11.90 .05 .05

11.95 r 1 m 12.05

A 1852

11.13 ls 5 r 11.63 11.65 11.75 = 11.68 .05 .03 .07

11.65 r 0 l 11.65

11.75 r 3 m 12.05

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1898phae.proj..709B

March 25, 1898.

Measures. N Crucis

$12^h\ 25.4^m - 56°\ 53'$

Comp. Stars B 13173.

$2^h\ 0^m$

B 15354

12.61 m 4r 12.41 12.41 = 12.41 .00 .00

12.41 r 1 o 12.51

B 15433

10.39 h 2r 10.59 10.74 10.84 = 10.72 .13 .02 .12

10.74 r o h 10.74

10.84 r 3 h 11.14

B 15506

10.39 h 3r 10.69 10.64 = 10.66 .03 .02

10.64 r 1 h 10.74

B 15922

11.14 h 3r 11.44 11.56 11.81 = 11.60 .16 .04 .21

11.56 r 0 m 11.56

11.81 r 2 m 12.01

B 16006

11.14 h = .1

rms < 11.24

B 16046

11.56 m 2r 11.76 11.91 = 11.84 .08 .07

11.91 r 1 m 12.01

B 16082

10.74 h = .1

rms < 10.84

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1898phae.proj..709B

Mar. 25, 1898

Measures 2 Crucis (cont.)

B 16382

12.01 n 1r 12.11 12.31 = 12.21 .10 .10

12.31 r 20 12.51

B 16599

12.01 n 4r 12.41 12.51 = 12.46 .05 .05

12.51 r 00 12.51

fms

B 16724 Sfp.

10.01 q=.1

rms < 10.11

B 16869

~~n 3r~~ 12.93 p=.3

r 30 rms < 13.23

B 17109

12.51 0=.2

rms. < 12.71

B 18284

12.93 p=.1

rms < 13.03

B 18319

12.93 p=.2

rms. < 13.13

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1898phae.proj..709B

Mar. 25, 1898

Measures 2 Crucis (cont.)

B 18468

12.01 n 4 r 12.

not

B 18576

11.14 l 3 r 11.44 11.46 = 11.45 .01 .01

11.46 r 1 n 11.56

B 18687

10.74 l s 3 r 11.04 11.04 = 11.04 .00 .00

11.04 r 1 l 11.14

near edge

B 18675

10.74 l s 2 r 10.94 11.04 = 10.99 .05 .05

11.04 r 1 l 11.14

B 18778

11.14 l 4 r 11.54 11.46 = 11.50 .04 .04

11.46 r 1 n 11.56

B 18935

11.56 n 2 r 11.76 11.71 = 11.74 .02 .03

11.71 r 3 n 12.01

B 19267

11.56 n 2 1

runs < 11.66

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1898phae.proj...709B

Mar. 25, 1898

Measures α Crucis (cmb.)

B 1968

12.01 m 4r 12.41 12.41 = 12.41 .00 .00

12.41 r 10 12.51

B 1984

12.01 m 4r 12.41 12.51 12.63 = 12.52 .11 .01 .11

12.51 r 00 12.51

12.63 r 3f 12.93

B 1982

12.01 m = .2

m₀ < 12.21

B 1986

10.74 b = .2

m₀ < 10.94

B 1998

12.51 0 = .2

m₀ < 12.71

B 1999

12.51 0.3 r 12.81 12.93 = 12.87 .06 .06

12.93 r 0 f 12.93

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1898phae.proj..709B

March 28, 1898

Measures Nova Carinae.

$11^h 3.9^m - 61° 24' (1900)$.

Comp. Stars B 9479.

$2^h 15^m$

B 15111

$q = .1$

rus.

B 15181

$r = .1$

rus.

B 15190

$s = .1$

rus

B 15211

Trail plate

Too confused

B 15212

$t = .2$

rus

B 15239

$o = .2$

rus

B 15353

$m = .1$

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1898phae.proj...709B

March 28, 1898.

Measures Nova Carinae (cont.).

B 15292
f=.1
rus.

B 15365
n=.2
rus

B 15405
t=.3
rus.

B 13199
e3r
r2f

B 11141
f=.1
rus

B 10924
r=.1
rus

B 5119 f
c=.1
rus.

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1898phae.proj..709B

March 28, 1898

. Measures Nova Carinae (cmb.)

B 6501
g = .2
mns

B 7726
g = .1
mns

B 7727
d = .5
mns

B 7759 Sp.
Two faint

B 7760 Sp.
Two faint

B 8605 Sp.
Two faint.

X 7393
p = .1
mns

X 7369
t = .2
mns

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1898phae.proj..709B

April 4, 1898.

Measures – Carmac (cont.) Jr. Jr. 154. Conf. Stars B16879.

2h 0m

B 18179

Does not cover region

B 18293

9.48 c 3 r 9.78 9.58 = 9.68 .10 .10

9.58 r 3 d 9.88

X 4572.

9.48 c 4 r 9.88 9.68 = 9.78 .10 .10

9.68 r 2 d 9.88

X 4160

9.48 c 3 r 9.78 9.68 = 9.73 .05 .05

9.68 r 2 d 9.88

A 1807

9.88 d 2 r 10.08 9.86 = 9.97 .11 .11

9.86 r 3 l 10.16

A 2224 Sp.

9.48 c 2 r 9.68 9.78 = 9.73 .05 .05

9.78 r 1 d 9.88

Hard to measure.

A 2229 Sp.

9.88 d 2 r 10.08 9.96 = 10.02 .06 .06

9.96 r 2 l 10.16

Hard to measure.

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1898phae.proj..709B

april 4, 1898

2h 30m

Measures V Sculptoris (cont'd fr. p. 172)
Comp Stars B10205

17573.

11.41 m = .4 11.81
rms. < 11.81

A2075
Southern edge.
if overs.

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1898phae.proj...709B

April 4, 1898

Measures X Centauri (cont fr. p. 198).

3h 0m

Comp stars 9263.

B 18564

7.29 r 2 a. 7.49

B 15848

8.554 r 8.95 8.83 = 8.89 .06 .06

8.83 r 2 c 9.03

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1898phae.proj..709B

April 17, 1898

Measures N Crucis (cont. fr. p. 203)

23h 0m

B 18468

12.51 04 r 12.91 12.83 = 12.87 .04 .04

12.83 r 1 p. 12.93

A. 2570

12.93 p 1 r 13.03

A 2545

12.93 p 2 r 13.13

B 19005 8p.

10.74 s = .1

ms < 10.84

near edge

B 19024 8p.

10.01 q = .1

ms < 10.11

B 16803

11.56 m 3 r 11.86 11.81 = 11.84 .02 .03

11.81 r 2 m 12.01

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1898phae.proj...709B

April 17, 1898

measures ζ Cassiopeiae (cont. fr. p. 157)

$23^h 30^m$ B 13860

10.72 hr 2 r 10.92 11.03 = 10.98 .06 .05

11.03 r 1 hr 11.13

B 13879

10.72 hr 3 r 11.02 11.03 = 11.02 .00 .01

11.03 r 1 hr. 11.13

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1898phae.proj..709B

April 17, 1898

0h 15m. Measures Nova Lacertae (cont fr. p. 206).

B 18290
g=.1
rns.

B 18179
n=.1
rns

B 15420
k=.1
rns

B 15503
m=.1
rns

B 15556
t=.2
rns.

B 15557 Sp.
h=.1
rns

B 15626
n=.1
rns

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1898phae.proj..709B

Meas. Nova Carinae (cont)

B 15635
o = .1
rno

B 15919
o = .1
rno

B 15966
f = .1
rno

B 16219
o = .1
rno

B 16301
r = .1
rno

B 16634
m = .1
rno

B 16844
o = .1
rno

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1898phae.proj..709B

Apr. 17, 1898

Measures in α Carinae (cont.)

B16866
m = .1
rus

B16969
m = .1
rus

B17032
0 = .1
rus

B17106
m = .1
rus

B18270
l = .1
rus

B18321
m = .2
rus

B18322
0 = .1
rus

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1898phae.proj..709B

Apr. 17, 1898

Measures Nova Carinæ (emb.)

B18346
t=.1
rus

B18427
g=.1
rus

B18466
m=.2
rus

B18470
Too near edge

B18513
0=.1
rus

B18629
0=.1
rus

B16507
l=.1
rus

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1898phae.proj..709B

Apr. 17, 1898

Measures Nova Carinae (cont.)

B 19074
t = .2
rno

B 19072
o = .1
rno

B 18669
o = .1
rno

B 18702
g = .3
rno

B 18802
o = .1
rno

B 18804
e = .1
rno

B 18859
n = .2
rno

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1898phae.proj..709B

Apr. 17, 1898

Measures Nova Carinae (cont.)

B 18900
n=.1
rns

B19263
n=.1
rns

B19265
y=.1
rns

B19470
n=.1
rns

B19471
t=.2
rns

B19537
n=.2
rns

B19646
n=.1
rns

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1898phae.proj..709B

Apr. 17, 1898

Measures Nova Carinae (cont.)

B 19668
n = .1
rms

B 19669
f = .1
rms

A 1804
t = .3
rms

A 2268
r = .2
rms.

A 2521
t = .2
rms

A 2530 Sp.
h = .1
rms

A 2231 Sp.
n = .1
rms.

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1999phas.proj..700B

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