

1898phae, proj. 1815

KG
11366
v. 811

-10 395

9.4	+3	+1	+1
[2.3]	-4	-5	h -10
[7.9]	<u>2</u>	<u>1</u>	ac -14
9.1	0	-2	-2
~~u.s.~~	.	.	.
~~6.5~~	.	.	.
9.2	+1	-1	-1
9.3	+2	0	0
9.2	+1	-1	-1
9.2	+1	-1	-1
9.3	+2	0	0
9.2	+1	-1	-1
9.7	+6	+4	+4
9.6	+5	+3	+3
~~12/10.4~~			
9.10			

9.32

Project 2 $\frac{d}{dt}$ and
3 $\frac{d}{dt}$ ob.

Mean raj: $2\frac{d}{''}$ and $3\frac{d}{''} = 9.32$

-10 3470

1	A.4	-1	+2	+2	292
2	A.9	+4	+7	+7	665
3	7.7	-2	-5	-5	672
4	7.9	-6	-3	-3	271
5	A.2	-3	0	0	273
6	A.1	-4	-1	-1	277
7	[10.0]	$\bar{5}$	+1.5	($\bar{5}$ + 1.5) "3" 10.41	10.41
8	A.5.	.	.	.	10.44
9	A.5.	.	.	.	10.46
10	A.5.	.	.	.	10.43
11	A.1	-4	-1	-1	10.50
12	[9.3]	+8	$\bar{5}$	6+1.1	10.57
$\frac{9}{176.6} \quad 7/5-73 \quad 8.29$					
$\frac{A.19}{56/13}$					

Sheet Laving 1st $\frac{1}{11}$ 6 obs.

ref.

Reg. 7th and 14th of.

$$\text{Ref. } \approx \frac{d}{n} + j \frac{d}{n}$$

Mean $\text{rej. } \gamma_{\frac{t}{n}}$ and $H_{\frac{t}{n}}^{\text{last}} = 0.19$ ✓

$$\begin{array}{r} + 17 \\ \hline 236 \end{array}$$
$$\begin{array}{r} 8.4 + 1 \\ \underline{[8.9]} + 8 \\ 7.7 - 4 \\ 7.9 - 2 \\ 8.2 + 1 \\ 8.1 \quad 0 \\ \underline{[10.0]} + 9 \\ \frac{1}{2} \\ \frac{1}{2} \\ 8.1 \quad 0 \\ \underline{[9.3]} + 12 \\ \hline 8.07 \end{array}$$

2

0.2202

9.7 +4

A.6 -5 h

9.4 +1

9.6 +5 K_i

9.1 -2

9.0 -3

9.2 -1

9.4 +1

9.0 -3

9.8 +1

.26

9.26

Chest having
discordant obs.
not found.

Retain all.

-0.3916

606

A.9 -3 -3

604

9.4 +6 +6 c i

613

9.1 -1 -1

799

9.7 +5 +5 c i

809

9.2 0 0

810

9.1 -1 -1

813

t.f.t. . .

815

t.9 -3 -3

824

9.1 -1 -1

830

9.3 +1 +1

9.3

+1 +1

t.9

-3 -3

9.2

0 0

~~9.7~~

+5 . t.f.t.

A.A

-4 -4

9.3

+1 +1

9.8

+2 +2

~~147.7~~

+6

~~9.23~~

132.0 / 15 = 9.20

+1.18

9.38

Chest having 2nd
and 4th obs. u.f.

Zone 1045 possibly
affected by cl.
(see note)

Retain all.

499

520

526

721

722

724

727

875

877

879

A.0

890

892

1045

1050

1052

1059

8.9 -3

[8.8] +6

9.1 -1

9.7 +5

9.2 0

9.1 -1

t.f.t.

8.9 -2

9.1 -1

9.3 +1

9.3 +1

8.9 -3

9.2 0

8.8 -4

9.3 +1

9.4 +2

9.16

2nd obs. 1st read. bad.

+0° 146

✓ ✓

7.6	h	-12
9.2	+3	+2
9.6	+9	h + 8
8.6	-1	-2
8.5	-4	-5
8.6	-3	-4
8.6	-1	-2
9.1	+2	+1
9.2	+3	+2
9.2	+3	+2
8.6	-1	-2
9.2	+3	+2
9.0	+1	0
9.2	+3	+2

$$\frac{1252}{14}$$

894

No explanation
found of large
recid. stars.

Rej. 1 + 3

Mean rej. $1\frac{st}{n} + 3\frac{d}{n} = 8.97$

[78] -12	8.8 -2	9.0 0
9.2 +2	9.1 +1	9.2 +2
9.8 +8	9.2 +2	
8.8 -2	9.2 +2	Mean 9.03
8.5 -5	8.8 -2	
8.6 -4	9.1 +2	

+0° 1650

✓ ✓

67	9.3	+4	h + 8
196	7.9	-6	h -6
199	9.9	.	.
77	8.6	+1	+1
777	8.6	+3	+3
720	8.4	-1	-1
721	8.5	0	0
899	8.6	+1	+1
901	8.2	-3	-3
902	8.3	-2	-2
910	8.2	-3	-3
912	8.7	+2	+2
913	8.5	0	0
915	8.5	0	0
	8.5	0	0

$$\frac{119.0}{14}$$

8.50

$$\frac{8.50}{\pm 1.2}$$

No. apparent
reason for dis-
crepancies above.

$$\frac{b}{[7.8]-12}$$

$$\frac{9.2+2}{[9.8]+8}$$

$$\frac{8.8-2}{8.5-5}$$

$$\frac{8.6-4}{8.8-2}$$

$$\frac{9.1+1}{9.2+2}$$

$$\frac{9.2+2}{8.8-2}$$

$$\frac{9.2+2}{9.0 0}$$

$$\frac{9.2+2}{8.97}$$

Retain all.

Rej. 1 + 2

Mean rej. $1\frac{st}{n} + 2\frac{d}{n} = 8.37$

$\frac{b}{[9.3]}$	9.3 +8
7.9 -5	7.9 -6
8.6 +2	8.6 +1
8.8 +4	8.8 +3
8.4 0	8.4 -1
8.5 +1	8.5 0
8.6 +2	8.6 +1
8.2 -2	8.2 -3
8.2 -2	8.2 -2
8.2 -2	8.2 -3
8.7 +3	8.7 +2
8.5 +1	8.5 0
8.5 +1	8.5 0
8.5 +1	8.5 0
8.44	8.50

4

1 r

+0° 2693

A.3	<u>5</u>	[+11]
7.4	+1	+2
7.4	+1	+2
7.3	0	+1
6.7	-6	-5
7.3	0	+1
7.3	0	+1
7.2	-1	0
7.0	-3	-2
7.2	-1	0
7.3	0	+1
7.1	-2	-1
7.3	0	+1
7.4	+1	+2
<u>.42</u>		
14		
7.30		

+0° 1662

613	9.6	+3
615	9.5	+5
617	9.4	-9
809	9.6	+3
812	9.0	<u>3</u>
814	9.5	+5
816	9.1	<u>3</u>
819	9.5	+2
823	9.5	+2
831	9.4	+1
833	9.7	+4
1003	t.f.	.
1004	9.5	+5
1005	9.4	+1
	9.3	0
	<u>39.9</u>	
	14	
	92.6	

I den. by comp.

Ref. 1.

$$\text{mean, ref. 1} \frac{1.2}{u} = \frac{7.2}{7.40}$$

+0° 1229

9.3 -1

8.6 -2

9.7 +3

9.0 -4

9.8 0

9.3 -1

9.5 +1

9.3 -1

t.f.

9.7 +3

9.9 +5

9.5 +1

9.5 +1

4.7

9.39

Ci. Idem. by compas.

12/4.7 (39)

9.39 610

9.52

Rotari all.

Miter above.

Reg. 390 & 992

Mean reg. 2 $\frac{d}{n}$ & 11 $\frac{th}{n}$ = 9.82

9.3 -1

9.7 +3

8.6 -8

9.9 +5

9.7 +3

9.5 +1

9.0 -4

9.5 +1

9.4 0

Mean 9.39

9.3 -1

9.5 +1

9.3 -2

t.f.

9.7 -2

[8.6] -9

9.7 +2

9.0 -5

9.4 -1

9.3 -2

9.5 0

9.3 -2

t.ft.

9.7 +2

9.9 +4

9.5 0

9.5 0

9.46

+0° 1662

344

9.2 +5

+4

346

391

9.7 +4

+3

349

797

[2.8] -9

-10

392

799

9.6 +3

+2

400

200

2.0 -13

-14

792

202

9.6 +5

+4

795

209

9.5 +2

+1

797

210

9.4 +1

0

200

211

9.7 +4

+3

202

990

2.1 -12

-13

990

992

9.5 +2

+1

992

993

9.6 +5

+4

993

994

9.4 +1

0

994

9.3 0

-1

1000.

130.0

14

9.29

3 $\frac{d}{n}$ obs. 3 $\frac{d}{n}$ reading, bad.

Reg. 390,

Mean, reg. 3 $\frac{d}{n}$ = 9.35 + .19

9.8 +2

[8.1] -15

9.7 +1

9.5 -1

[8.4] -12

9.8 +2

9.6 0

9.4 -2

[8.0] -16

9.3 -3

9.8 +2

Mean 9.59

9.5 -1

9.4 -2

9.7 +1

$+1^{\circ}169$

8.3 -11 h

9.8 +.4

9.3 -.1

8.8 -.6 i

8.7 -.7 i

8.8 -.6 h

10.1 +7 i

9.2 -.2

9.6 +.2

10.0 +.6 i

9.6 +.2

10.0 +.6 i

9.6 +.2

121.8

13

No approx. mean found

9.37 +.19 Return all

a	b	c
[8.3] -12	[8.3] -12	[8.3] -14

9.8 +3 9.8 +3 9.8 +1

9.3 -2 9.3 -2 9.3 -4

8.8 -7 8.8 -7 [8.8] -9

8.7 -7-8 [8.7] -8 [8.7] -10

8.8 -7 8.8 -7 [8.8] -9

10.1 +6 10.1 +6 10.1 +4

9.2 -3 9.2 -3 9.2 -5

9.6 +1 9.6 +1 9.6 -1

10.0 +5 10.0 +4 10.0 +3

9.6 +1 9.6 +1 9.6 -1

10.0 +5 10.0 +5 10.0 +4

9.6 +1 9.6 +1 9.6 -1

9.46 9.53 9.69

 $+1^{\circ}3488$

67 9.0 +.2 0 -1 0

9.9 5.4 -3.4 +8 +9

10.1 +1.3 -1 -2 -1

8.9 +.1 -1 -2 -1

9.3 +.5 3 +2 +3

9.4 +.6 4 +3 +4

8.7 -1 -3 -4 -3

n.s(m)

n.s(m)

8.8 -2 -3 -2

9.2 +.4 2 +1 +2

9.1 +.3 1 0 +1

9.2 +.4 2 +1 +2

9.7.1

++

8.83

9.05

9.05

100.4 = 9.13

11

Ref 2 d

In 2^d obs. 3^d reading pitted

by 100% but first reading

still bad.

In 3^d obs. 1st reading bad.

mean ref 2 d = 9.05 +.19

v v

$$+1^{\circ} 3583$$

* 7.6	-1.5	-1.4	$\approx 6 \approx 2.1$
10.1	+1.0	+1.1	≈ 2.1
9.1	+0.0	+1	
9.8	+ .7	+ .6	≈ 3.05
8.9	- .2	-1	
9.2	+ .1	+2	
8.9	- .2	-1	
<u>63.0</u>			
7			
9.09			

v v

$$+1^{\circ} 4471$$

8.2	+ .8	$h[+10]$	v1
7.2	- .2	0	
7.2	.	.	
7.1	- .3	.	
7.3	-1	+1	
8.4	+1.0	$i[+12]$	Then by compo 219
7.3	- .1	+1	
7.2	- .2	0	
7.1	- .3	-1	
7.5	+ .1	+3	
7.2	- .2	0	
7.0	- .4	-2	
7.3	- .1	+1	
7.1	- .3	-1	
7.5	+ .1	+3	
<u>96.1</u>			
+3			

* Prob. a 7.7 per. 52 reco. 6' north.

a

[26] -16

10.1 +9

9.1 -1

9.8 +6

8.9 -3

9.2 0

8.9 -3

Mean 9.18

b

[76] -17

[10.1] +8

9.1 -2

[9.8] +5

9.9 +6

9.2 -1

8.9 -4
9.28

Reg: 1st 2^d & 3rd

Mean. reg 1st, 2^d & 3rd = 9.02

+1.9 $\frac{6}{[7.4] -15}$

$[10.1] +10$

9.1 0

$[9.8] +7$

$[9.9] +8$

9.2 +1

$\frac{8.9 -2}{9.07}$

In first series, 3^d reading bad.

In fourth series, 3^d reading bad.

7.39

$\frac{96.3}{13} = 7.41$

No ap. reason for disc.

Reg: v1 + 7.19

Mean reg. 1st + 6th = 7.25 + 1.9

✓
+4°3552

8.6 0+2+1
7.7 -9-7-8 d
8.7 +1+2+2 A.S.
8.2 -4-2-3
8.2 -4-2-3
7.8 -8-6-7 d i' 1037
9.0 +4+6+5 d 1039
9.0 +4+6+5 d 1040
8.6 0+2+1
8.8 -2+4+3

846 9/75 9/843

+10

8.46

9/75.9

2.43 +2-1

Ref. 657

Return all,

Dir. mag. of this star is
8.7 but an 8.1 fol. 1 sec.
3' south which has evidently
been somehow taken.

✓
+4°4482

[9.1] +6 f +6 also a or b i 53
[8.0] -5 prob. 1st reading wrong 494
8.8 +3 +3
8.4 -1 -1
8.7 +2 +2
8.8 +3 +3
8.5 0 0
8.4 -1 -1
8.2 -3 -3
8.2 -3 -3
8.4 -1 -1
8.7 +2 +2
8.6 +1 +1
8.6 +1 +1
8.4 -1 -1

7.8
15

8.52

Dir. mag. 9.0

9.1 +6 8.4 -1 8.4 -1
8.0 -5 8.2 -3
8.8 +3 8.2 -3
8.4 -1 8.4 -1
8.7 +2 8.7 +2
8.8 +3 8.6 +1
8.5 0 8.6 +1

Mean
8.52

Series 53 1st series thought to
be prob. affected by clouds.

[9.1] +6 8.4 -1

8.0 -5 8.2 -3

8.8 +3 8.2 -3

Ref. 53 + 494
mean rej. 1st + 2nd = 8.46 + 8.40 -1

8.7 +2 8.7 +2

8.8 +3 8.6 +1

8.5 0 8.6 +1

8.48

$\sqrt{v}$				$\sqrt{v}$ <i>Dim. mag. 9.0</i>			
$+4^{\circ}4675$				$+4^{\circ}5011$			
71	+4	^h ~~5~~ ~~to~~ ~~near~~ ~~sp.~~		8.0	-2	-15 ^h ~~5~~ ~~to~~ ~~near~~ ~~sp.~~	⁷² ~~ident. doubtful~~
73	+6	~~5~~ ~~to~~ ~~near~~ ~~sp.~~	~~See below 522~~	8.0	-2	-15 ^h ~~5~~ ~~to~~ ~~near~~ ~~sp.~~	¹⁹⁵
65	-2	-1		9.8	+1.6	+3	0
63	-4	-3		9.9	+1.7	+4	+1
65	-2	-1		9.8	+1.6	+3	0
67	0	+1		9.6	+1.4	+1	-2
64	-3	-2		9.8	+1.6	+3	0
66	-1	0		9.6	+1.4	+1	-2
66	-1	0		10.0		+5	+2 ⁴⁹⁷
66	-1	0		10.0		+5	+2 ⁹⁰¹
<u>66.6</u>				9.6		+1	-2
10 6.66				9.8		+3	0
				9.3		-2	-5
				10.2		+7	+8 ⁹¹⁴
				<u>9.7</u>		+2	-1
				<u>14.31</u>			
				15	8.2+		

9.54

71 +5+4*	~~71~~ ~~to~~ ~~near~~ ~~sp.~~	* Col. about 1 unit wrong and
73 +7+6	~~73~~ ~~to~~ ~~near~~ ~~sp.~~	would indicate a star about
65 -2	~~65~~ ~~to~~ ~~near~~ ~~sp.~~	1 min. fol. An 2.2 fol. abt.
63 -3 -4	~~63~~ ~~to~~ ~~near~~ ~~sp.~~	1 min. but is 20' north.
65 -2	~~65~~ ~~to~~ ~~near~~ ~~sp.~~	
67 +1 0	~~67~~ ~~to~~ ~~near~~ ~~sp.~~	
64 -2 -3	~~64~~ ~~to~~ ~~near~~ ~~sp.~~	
66 0 -1	~~66~~ ~~to~~ ~~near~~ ~~sp.~~	
66 0 -1	~~66~~ ~~to~~ ~~near~~ ~~sp.~~	
66 0 -1	~~66~~ ~~to~~ ~~near~~ ~~sp.~~	
	<u>6.59</u>	

Mean 6.66

$+5^{\circ}1789$
 $9.4 +1$
 $8.7 -5$ i Idem 605

 $9.3 0$
 $10.1 +8$ i Idem 749

 $9.1 -2$
 $9.0 -3$
 $9.2 -1$
 $\underline{648}$
 7
 $9.26 + 2.1$

Return all

 $+5^{\circ}3541$
 $8.5 -4 -4 -1$
 $*78 -11 +12 -6$ (2)

 10.2
 8.5
 $8.7 -2 +1 +1$
 $8.5 -4 -1 -1$
 $8.6 -3 0 0$
 $8.6 -3 0 0$
 $*96 +.7 +10$
 $8.9 \pm 0.0 +.3 +3$
 $8.2 -7 -4 -4$
 $8.6 -3 0 0$
 $8.9 0 +.3 +3$
 $8.4 -5 -2 -2$
 $\underline{111.9}$
 $\underline{13}$
 8.61

* In second series possibly an h
 A.O. fol. 44 recs. 10' worth of 8.5 -1
 Cal. record indistinct.

 $[7.8] -8$
 $8.7 +1$

* This obs. marked β

 $8.5 -1$
 $8.6 0$
 $8.6 0$

Right 657 - 1041

mean rej. $a \frac{d}{n} + g \frac{h}{n} = 8.59 + 2.1$ 8.6 0

 $(8.5 0 \quad 8.6 +1 \quad 8.4 -1)$
 $[9.6] +10$
 $2.8 -7 [9.6] +11$
 $8.9 +3$
 $8.7 +2 \quad 8.9 +4 \quad \text{Mean } 8.52$
 $8.2 -4$
 $8.5 0 \quad 8.2 -3$
 $8.6 0$
 $8.6 +1 \quad 8.6 +1$
 $8.9 +2$
 $8.6 +1 \quad 8.9 +3$
 $\underline{8.61}$
 $9.4 +3$
 $8.7 -4$
 $9.3 +2$
 $[10.1] +10$
 $9.1 0$
 $8.0 -1$
 $\underline{9.2 +1}$
 9.12

VV

VV

 $+10^{\circ} 1159$

7.5 +1

6.8 -6 h

7.8 +4

7.6 +2

6.5 -9 f c

7.6 +2

7.6 +2

7.9 +5 c

7.6 +2

66.9

9 7.43 +2 ~

605

707

959

 $+10^{\circ} 3294$

8.5 -1 -2 -1

9.0 +4 +3 This obs. "B" d.c.

8.2 -4 -5 Idem, by compar. 666

~~8.6~~ -10 -1 0

8.7 +1 0 +1

* 9.6 +10 +9 +10 This obs. "B" 1041

8.6 00 -1 0

8.7 +1 0 +1

8.6 00 -1 0

8.9 +10 +2 +3

~~86.4~~~~70~~

87.4

10

~~86.4~~

8.74

8.74

This star is +.3 2m,
No other star near.

This is, in
2m.

Retain all.

a b

7.5 -1 7.5 -2

6.8 -8 [6.8] -9

7.8 +2 7.8 +1

7.6 0 7.6 -1

[6.5] [6.5] -12

7.6 0 7.6 -1

7.6 0 7.6 -1

7.9 +3 7.9 +2

76 0 7.6 -1

7.55 7.66

Mean 7.55

* This series "troubled by clouds".

Rej. 1041

mean rej. 1041 = 8.64 +.2 ~

✓✓
+10° 4140

9.7 +.5 h Col. right. ⁶²⁴*

8.7 -5 i Idem, by comp. ⁶²⁴

8.7

9.2 0

8.9 -3

9.5 +3

8.6

9.2 0

8.9 -3

9.4 +2

73.5

8 9.19 +.2v

(9.0 in 2 m.)
No reason for idemp.
above, apparent.

Retain all

✓✓
+10° 4423

9.2 +9 h Col. abt. right. 54

8.3

7.6

8.3

8.5

8.0

8.3

8.2

8.3

8.1

8.4

91.2

11

8.29 +.2v

(8.5 in 2 m.)

* No record of clouds.

Retain all

[9.2] +10 [9.2] +9

8.3 +8 8.3 0

7.6 -6 [7.6] -7

8.3 +1 8.3 0

8.5 +3 8.5 +2

8.0 -2 8.0 -3

8.3 +1 8.3 0

8.2 0 8.2 -1

8.3 +1 8.3 0

8.1 -1 8.1 -2

8.4 +2 8.4 +1

2.0 91.2

8.20 8.27

VV

VV

 $+14^{\circ} 204$ $+14^{\circ} 1442$

7.7	+5	+4
7.0	-2	-3
7.6	+4	+3
6.9	-3	-4
7.0	-2	-3
7.2	0	-1
7.1	-1	-2
7.3	+1	0
7.3	+1	0
7.3	+1	0
7.1	-1	-2
8.7	-5	+14
7.1	+1	-2
[6.2]	-10	fig. -11
7.0	-2	-3
7.5	+3	+2
6.9	-3	-4
7.3	+1	0
130.2		
18		

9.3	+2
8.6	-5 h Col. alt. right. 605
8.7	-4
9.6	+5 c
9.3	+2
9.3	+2
9.2	+1
9.1	0
9.1	0
9.0	-1
91.2	$\frac{100.0}{11} = 9.09$
10	
	9.09 + 2.4

Return alt

7.7 +5 [8.7] +16 7.2.3

7.0 -2 7.1 -1

7.6 +4 [6.2] -10 {Haze, becoming thicker,
 6.9 -3 7.0 -2 {Stopped by same,

7.0 +2 7.5 +3

7.2 0 6.9 -3 Right 922

7.1 -1 7.3 +1 Mean rej. 922 = $\frac{7.29}{7.53}$
 + 2.4

7.3 +1

7.3 +1 Mean 9.21

7.1 -1

+14° 2020

[10.8] +12 +10 ^{aport b. i} This obs. ^{4/3} "3.1" ₆₀₂

9.3 -3 -5 h

t.ft. .

t.ft. .

obs. .

+9 .

9.5 -1 -3

9.5 -1 -3

10.1 +5 +3

49.2

9.84

Discrepancies probably
due to faintness.

Rept 413

mean rej. 413 = 9.60 + 2x

In 1st obs. 1st reading bad.

VV

+15° 3450

8.8 -3 i-5

*8.1 > 10 ^{-1/2} f h Cal. right.

9.2 +1 -1

9.7 +6 x+x

9.9 +8 h+6

9.0 -1 -3

54.7

6 9.12 + 2x

5) 46.6/902

4.2

13.0

(A.9 by Sun)

* "Stopped by clouds over Pole
Star." This star sixth from last.
"Clouds gradually rising in
northwest" ~~probably~~ and
dimming P. S. probably made
this obs. bright.

Rept 8672

mean rej. 672 = 9.32 + 2x

8.8 -4

[8.1] -11

9.2 0

9.7 +5

[9.9] +7

9.0 -2

41.7

9.12

11
+15°4492

* 9.6	+5 d	52
8.9	-2	526
8.8	-3	696
9.6	+5 d i	701
9.5	+4	703
8.9	-2	295
8.7	-4	296
8.8	-3	292
9.2	+1	1052
9.0	-1	1062
9.1	0	1066
100.1		
11		

9.10 + 2.4

* "Diff. to measure on account of proximity to bright star."

This prob. accounts for discrep. in other obs. as the same difficulty is several times mentioned.

Retain all

11
+15°4915

8.9	-4	349
9.9	+6	351
9.7	+4	355
9.0	-3	720
8.8	-5	723
9.8	-4	740
8.8	+5	742
9.5	+2	744
9.5	+2	747
9.8	+3	749
9.6	+4	297
9.3	+1	299
8.9	-4	904
9.1	-2	926
* 8.6	-7	927
9.2	-1	929
9.2	-1	1062
9.2	+5	1066
9.2	-2	1067
9.2	-1	

See p. 37 for further approximations.

This obs. "β" 6/30

" " " 355

" " " 720

" " " 723

Two comps. 6/723

Three comps. 6/740

Idem. by 3 comps. but are below.

19/17961

19/1766 (9.29)

171

5/8

Retain all

(9.3 Dm.)

Right star seems to have been obs. above, and well identified, but discrepancies seem to arise from faintness.

* However, one of the companion stars "has nearly similar comps." and it is probable this may be the explanation of discrep. in this series.

VV			VV		
+19°1308			+25°4839		
8.2	+2	+1 ^v	* 8.9	-8	-9 ^b Idem. by comp. 337
605 7.3	-7	-5 ^b "B"	9.6	-1	-2
8.1	+1	0	10.0	+3	+2
10.2.			9.5	-2	-3
7.4			9.6	-1	-2
~~7.4~~	-6	it's more	t.ft.	.	.
8.2	+2	+1 ^v a discor.	t.ft.	.	.
8.2	+2	+1 ^v but a	10.2	+5	+4
8.1	+1	repeated star	10.0	+3	+2
7.9	-1	-2	9.7	0	-1
8.2	+2	+1 ^v	9.9	+2	+1
8.2	+2	+1	9.8	+1	0
7.8	-2	-3	97.2		
8.1	+1	0	9.72		
8.1	+1	0			
7.9	-1	-2			
8.1	+1	0			
~~119.8~~					
~~15~~					

* "Stopped by clouds near pole star, which may have affected obs. of last two blue stars."

~~7.99~~
mean rej. 605 = 2.0^v 2.2^v

A star having comp. at 150° & 20° was obs. in 1st and 2nd series but the comp. itself should have been obs. Although the 2nd obs. says β, it is more than probable that the same wrong star was obs. in this series, as it would have practically right collimation.

Rept 605

In first obs. 1st reading bad.

Rept 337

mean rej. 337 = 9.21^v + 2.6

VV

VV

+30°39'15"

+30°44'15"

717

** 8.4 ~~-7~~ ⁺¹ This obs. "β"

8.7

9.2

9.4

9.4

8.9

* ~~6.3~~ -2.4* ~~6.5~~ -2.2

9.1

8.8

9.3

9.1

9.2

8.9

9.2

9.2

9.5

9.3

+48.6

8.7

 $\frac{135.6}{15} = 9.12 + 2.6$

* "Kroughly copied - belong to another star below."

** "At 20^h 15^m a slight cloud was discovered over pole and fifth series above, was this may have affected the last 2 or 3 stars." This star was taken at 20^h 2^m

Rites all

Mean 9.17

* 9.2 +9 ⁶⁹⁶ ^{di (12)} ⁺¹⁰ by 2 rather doubtful

8.0

8.2

8.1

8.9

8.1

8.0

8.1

8.8

8.0

8.1

8.3

99.8

12

8.32

Mean rej. 696 = 8.28 + 2.6

* Although this star was thought to be right from its two comps., yet, as they are at distances 6 and 7 respectively, it may have been wrong. There is a close comp. ^{to star indicated} recognized for the first time in next series, at

0° 1. 9.1, It looks very much as if the star obs. in the first comps. This explanation would hardly apply to any fol. series as they are more thoroughly covered by comps.

Rij 696

$+30^{\circ} 4655$

60	9.8	+7	+6	h
	9.2	+1	0	
	9.3	+2	+1	
	9.1	0	-1	
742	8.6	-5	-6	<i>Ident. by Comp.</i>
	~~9.5~~	~~+6~~	~~+3~~	
296	8.5	-6	-7	<i>Ident. by Comp.</i>
	9.3	+2	+1	
	9.3	+2	+1	
	9.3	+2	+1	
	9.0	-1	-2	
	9.2	+1	0	
	9.4	+3	2	
	9.4	+3	2	

 $\frac{126.9}{14}$

9.06

$$\frac{126.9}{14} = 9.06 + 2.6$$

Retain all

9.2 +5	9.2 +5
9.2 -1	9.2 -1
9.3 0	9.3 0
9.1 -2	9.1 -2
8.6 -7	[8.6] -7
9.5 +2	9.5 +2
[8.5] -2	[8.5] -2
9.3 0	9.3 0
9.3 0	9.3 0
9.3 0	9.3 0
9.0 -3	9.0 -3
9.2 -1	9.2 -1
9.4 +1	9.4 +1
9.4 +1	9.4 +1
9.26	9.32

 $+35^{\circ} 3042$

8.4	+6	+6	⁺⁵ marked β 490 i
*6.3	-1.5	-1.5	-16 672 f
8.0	+2	+2	+1
7.6	-2	-2	-3
7.9	+1	+1	0
7.9	+1	+1	0
8.0	+2	+2	+1
7.9	+1	+1	0
8.0	+2	+2	+1
7.9	+1	+1	0
7.5	-3	-3	-4
7.8	0	0	-1
7.9	+1	+1	0
7.9	+1		0
7.6	-2		-3
7.8	0		-1
7.9	+1		0
8.0	+2		+1
8.1	+3		+2
8.0	+2		+1

 $\frac{156.4}{20}$

7.82

Clouds in series, not far from this star. "Some of the last stars appeared faint."

Right 674

$$\text{mean rej } 674 = 7.90 + 2.7$$

✓✓

$$+35^{\circ}3400$$

42	9.4	+4	+3
	8.7	-3	-4
	8.9	-1	-2
	9.1	+1	0
	~~8.8~~		
	~~8.4~~		
	9.3	+3	+2
	~~8.4~~	-6	
	~~8.6~~	-4	
	9.4	+4	+3
	~~71.8~~		
	~~8~~	~~8.98~~	
	$\frac{54.2}{6} = 9.13$	+2.7	

Retain all

✓✓

$$+39^{\circ}3787$$

	9.1	+6	i +7	702
	10.3	+18	a +19	706
	8.2	-3	-2	
	8.1	-4	-3	
	8.4	-1	0	
	7.9	-6	i -5	226
	8.3	-2	-1	
	8.3	-2	-1	
	8.3	-2	-1	
	8.3	-2	-1	
	9.0	+5	i +6	1061
	8.2	-3	-2	
	<u>102.4</u>			
	12			

8.53

Regist 706

In second obs. 1st reading bad.

$$\text{mean reg. } 706 = 9.37 + 2.7$$

✓✓

+39°4937

7.7 +.5 535 c

6.8 -.4

7.2 0

7.0 -.2

7.5 +.3

7.3 +.1

7.4 +.2

7.0 -.2

7.3 +.16.52

9 7.24 +.27

+40°2929

9.4 +.3

9.3 +.2

9.4 +.3

8.8 -.3

9.0 -.1

8.7 -.4

8.7 -.4

8.3 -.8

10.0 +.9

9.8 +.7

91.4

9.14

264

1022

1027

Retire all

This star is V Cor. Bor.

In second obs. $\frac{d}{n}$ reading
bad.

VV

	+45° 249.0	
87~	9.8 +1 +2	
	8.9 -8 i -7	Len. by comp.
	9.1 -6 i -5	
	9.6 -1 0	
	9.8 +1 +2	
	9.6 -1 0	
1041	10.0 +3 +4	
	* 10.6 +9 +10	"3"
	9.4 -3 -2	
	A.S.	
	A.S.	
	9.8 +1 +2	
	96.6	
	9.66	

* Troubled by clouds during zone, and zone stopped by clouds.

Rej. 1041

mean rej. 1041 = 9.56 + .27

VV

	+45° 3071	
*	8.4 -10 -9	724 [-10] h (Est. 2.3)
	9.9 +5 +6	737 +5
	n.s.	.
	t.ft.	.
	nt. on J.	.
	9.0 -4 -3	-4
	9.2 -2 -1	-2
	9.0 -4 -3	-4
	9.0 -3	-4
	9.4 0 +1	0
	9.6 +2 +3	+2
	9.4 0 +1	0
	9.6 +2 +3	+2
	9.5 +1 +2	+1
	9.8 +4 +5	10.5 +4
	102.8	
	11	9.35
	111.8	9.32
	12	

A 7.6 pre. 1" 20" 2.4 north.
A 7.9 fol. 5" 20" 2.7 south.

* Star est. 2.3^{err} after its S.W. comp. of 9.4 was known. Possibly wrong star obs. but est. does not particularly indicate it.

Rej. 724

mean rej. 724 = 9.40 + .27

✓ ✓
+49° 1937

8.9 -2 -2

431 8.3 -8 -8

9.3 +2 +2

8.7 -4 -4

9.4 +3 +3

9.5 +4 +4

216 9.7 +6 +6

9.3 +2 +2

9.2 +1 +1

9.0 -1 -1

8.9 -2 -2

8.9 -2 -2

8.8 -3 -3

8.9 -2 -2

126.8

14

9.06

8.9 +5 -1 -2

8.3 -7 -8

9.3 +1 +3 +2

8.7 -7 -3 -4

9.4 0 +4 +3

9.5 +1 +6 +4

9.7 +3 +7 +6

9.3 +1 +3 +2

9.2 -2 +2 +1

9.0 -4 0 -1

8.9 -5 -1 -2

8.8 -5 -7 -2

8.8 -6 -2 -3

8.8 -5 -1 -2

9.06

8.8 -5 -1 -2

✓ ✓
+49° 4272 (7.7)

7.8 0 -3

6.6 -12 i

*6.7 -11 c

8.5 +7 i

8.2 +4 +1

8.0 +2 -1

8.2 +4 +1

w.s. 6.5

w.s. 6.6

w.s. 6.5

w.s. 6.7

7.9 +1 -2

8.0 +2 -1

8.1 +3 0

8.1 +3 0

86.1

11

7.83

531

533

536

736

736

742

744

297

1064

1066

1067

Regit 431

mean rej. 431 = 9.12 + 27

* Col. indicates that 4291 (6.7) might have been observed. This star fol. 2.6 and is 7' north, and col. would indicate a star fol. 2.6.

Reg. 533, 536

mean rej. 533 + 536 = 2.09 + 27

VV

+50° 1670

	8.5	-2	-3	-2
K20	8.3	-4	-5	-4 also i
	9.0	+3	+2	+3
799*	10.2	+15	+14	+15
	8.8	+1	0	+1
	9.0	+3	+2	+3
	8.7	0	-1	0
	8.7	0	-1	0
	8.5	-2	-3	-2
	8.8	+1	0	+1
	8.6	-1	-2	-1
	8.8	+1	0	+1
	8.9	+2	+1	+2
	8.8	+1	0	+1
	<u>123.6</u>			
	14			
	8.83			

* Est. 9.3

Right 799
 Mean rej. 799 = 2.72 + 2.7

VV

+55° 797 (2.2)

8.3	+7	h	"Est. 2.3"	X 87
7.6	0			
7.5	-1			
7.6	0			
7.5	-1			
7.6	0			
7.4	-2			
7.6	0			
7.6	0			
7.4	-2			
7.6	0			
7.8	+2			
91.5				
12				
7.62				

This only a
 Repeated star.

Same results.

Right star prob. obs. in all
 the above zones.

Right 87
 Mean rej. 87 = 7.56 + 2.6
 Resids. same as above before.

83 +7	7.6 0
7.6 0	7.6 0
7.5 -1	7.4 -2
7.6 0	7.6 0
7.5 -1	2.8 +2
7.6 0	

Mean 7.62

✓✓

 $+59^{\circ}1814$

8.9 -4

9.6 +3

866 9.9 +6 i *Spec. by comp.*

9.4 +1

9.1 -2

A.S.

9.2 -1

8.9 -4

9.4 +1

$$\begin{array}{r} 74.4 \\ \hline 8 \end{array}$$

9.30 +.26

Retain all

✓✓

 $+59^{\circ}1827$ 9.9 +12 di" β +13 865

8.8 +1 +2

8.2 -5 ~~ad~~ -4 867

8.9 +2 +3

8.6 -1 0

8.4 -3 -2

W.S.
9.8

8.5 -2 -1

8.4 -3 -2

8.7 0 +1

$$\begin{array}{r} 8.6 \\ \hline \end{array} \quad -1 \quad 0$$

$$\begin{array}{r} 87.0 \\ \hline 10 \end{array}$$

8.70

Repeat 865

Mean, of 865 = 8.57 +.26
 1.36 1.36

✓✓

$$+69^{\circ}506$$

799	8.3	+7	i	"A" +7
801	6.4	-1.2	i	Iden. by comp.
803	8.0	+4		+K
806	7.6	0		0
802	7.8	+2		+2
809	7.7	+1		+1
810	7.2	-4		-K
811	7.6	0		0
813	7.6	0		0
815	7.6			+K 0
817	7.5	-1		-1
821	7.7	+1		+1
823	7.5	-1		-1
825	7.3	-3		-3
826	7.5	-1		-1

105.7
+4

7.55

Repeat 801

~~mean rej. 801 = 7.64 + K~~

~~mean rej. 801 = 7.50 + 2K~~

Corr. Mean 7.88

✓✓

$$+70^{\circ}928$$

N.S. (M)

W.2.
4.5

fu.s. (M)

fu.v.m.s. (M)

10.2 +4

9.6 -2

[9.1]

9.4 -4

9.8 0

9.9 +1

48.9

5

9.78

Repeated Mer.

mean of above = 9.72 + 2K

✓ ✓

✓ ✓

+75° 879

9.7 +3

9.0 -4

558 * 8.9 -5 c

9.6 +2

9.4 0

9.8 +4

w.s.
10.0

9.3 -1

9.3 -1

9.3 -1

9.4 0

9.2 -2

9.3 -1

9.4 0

9.3 -1

$$\frac{130.9}{14}$$

9.35 +22

* 2^d reading doubtful. from faintness of star.
334.9 assumed.

Peter de

+80° 574

191 [10.0] +6 +5 674⁺⁶ h 674

557 9.3 -1 -2 -1 675

558 9.4 0 -1 0 not w.s.

736 ntfd. a discordant

734 9.4 0 -1 0 star. 694

750 9.8 +4 +3 +4 465

497 9.8 w.s. 466

499 n.s.(M) 473

904 ~~81~~ -13 - w.s. 474

912 9.4 0 -1 0 477

914 9.4 0 -1 0 1050

916 n.s.(M) 1062

1064 ~~74.8~~1065 ~~8~~1066 ~~9.35~~

$$\frac{66.7}{7} = 9.53$$

1st obs. prob. discordant
from faintness of star.

mean of the above 9.45 +20

Repeated star only.

$$\frac{61.2}{9.45}$$

$$\begin{array}{r}
 -4^{\circ} 793 \\
 \hline
 88 -7 - w.s. \\
 99 +4 w.s. \\
 97 +2 w.s. \\
 \hline
 20.2. \\
 7.8 \\
 w.s. \\
 7.7 \\
 9.2 =3 -3 \\
 9.7 +2 +2 \\
 9.7 +2 +2 \\
 \hline
 57.0 \\
 \hline
 6
 \end{array}$$

$$9.50$$

$$\begin{array}{r}
 24.60 \\
 \hline
 3 = 9.53
 \end{array}$$

$$-4^{\circ} 4462$$

$$7.9 -5 c i$$

$$8.9 +5 c h$$

$$8.0 -4$$

$$8.7 +3$$

$$33.5$$

$$956 \quad 4$$

$$961 \quad 8.38 + .16$$

$$963$$

1052

1057

1058

1059

(1052. Stopped by Cirrus clouds.
 (1057. Clouds at times during evening.
 (1058. Sky somewhat hazy during
 early evening.

Now accordant.

Reti all

$$\text{Mean of above} = 9.53 + .16$$

VV

 $-9^{\circ} 22' 40''$

9.2 +2

8.4

* 8.5 -5 fi

8.6 -4

9.2 +2

9.4 +4

44.9

5

 $8.98^{\circ} +.11$

* Clouds below peak during evening. Stopped by clouds.

Retin all

VV

 $-14^{\circ} 39' 8''$

9.6 * 9.3 +.7 fi "B"

9.9 8.5 -1

9.9 8.8 +.2

9.9 8.4 -2

9.9 8.1 -5

1000. 8.3 -3

51.4

6

 $8.57^{\circ} +.06$

* Atmospheric conditions rather bad, especially for low northern and southern stars,

Retin all

In.

~~-14° 6441~~
~~6.4 -4~~
~~7.1 +3~~
~~6.4 -4~~
~~7.1 +3~~
~~6.9 +1~~
~~6.7 -1~~
~~6.7 -1~~
~~47.3~~
~~7~~
~~6.76 +.06~~
~~-15° 4768~~
~~907 8.7 +4 +5 0~~
~~910 7.8 -5 ⁻⁴ Some smoke + Lag 2~~
~~983 8.1 -2 -1~~
~~1065 8.1 -2 -1~~
~~1065* 8.9 +6 ⁺⁷ "β" "Est 8.3"~~
~~1066 7.9 -4 -3~~
~~1067 8.6 +3 +4~~
~~58.1~~
~~7~~
~~8.30~~

Not wanted

* Sky somewhat hazy during
gone - stopped by Lag E.

Perhaps variable
since Zones 90.7 and
910 were close by
2 comets, and gives
1064, 1065, 1066 by
3 comets.

Repeat 1046

Mean reg. 1046 = 8.20 + .06

8.7 +4

7.8 -5

8.1 -2

8.1 -2

8.9 +6

7.9 -4

8.6 +3

In.

In.

Mean 8.30

VV

 $-19^{\circ}5201$

8.4	-4	-3
9.1	+3	+4
8.4	-4	-3
8.4	-4	-3
9.2	+4	+5
8.6	-2	-1
* 9.4	+6	-9 +7
61.5		
7		
8.79		

VV

 $-19^{\circ}6444$

+7v*	7.2	-7 f i "β"	907
+9v	8.2	+3	910
1031	8.6	+7 f i "β"	912
1045	7.8	-1	913
1048	7.8	-1	943
1053	7.8	-1	1064
1057	8.0	+1	1065
			1066
7.9	0		
63.3			
8			
7.91	-0.2		

* Col. wrong. A star
apparently obs. 2.7 pre.

light 1057

* "Low northern and
southern stars prob. affected."

mean rgi 1057 = 2.6 ± 0.2 Rita all

8.4 -4

9.1 +3

8.4 -4

8.4 -4

9.2 +4

8.6 -2

9.4 +6

Sun

Sun.

Mean 8.79

√√

 $-20^{\circ} 1819$

9.0	-4	-3
* 10.0	+6	$f_0 + \frac{1}{3}$

9.9	+5	+6	Idem by $\frac{1}{3}$ comp.
-----	----	----	-----------------------------

9.2	-2	-1
-----	----	----

9.1	-3	-2
-----	----	----

47.2

5

9.44

* "Stopped by clouds over pole. I had been looking faint."

Rej. 9.53.

mean rej. 9.53 = 9.30 - 0.2

9.0 -4

10.0 +6

9.9 +5

9.2 -2

9.1 -3

Mean 9.44

Ln.

 $-20^{\circ} 3283$

9.50 n.s.

9.53	8.4	-6
------	-----	----

9.5	8.3	-7
-----	-----	----

9.4	9.2	+2
-----	-----	----

9.6	9.0	.0
-----	-----	----

t.f.		
------	--	--

8.4	-6
-----	----

8.5	-5
-----	----

9.5	+5
-----	----

9.4	+4
-----	----

est. 9.2 (M)

9.6	+6
-----	----

9.8	+8
-----	----

n.s. ft. than 9.2

diff. 9.2 (M)	+2
---------------	----

94.3

11

9.03

This is V Hydrae.

V V

 $-20^{\circ} 51' 08''$

* 9.6	+5	f i "B" +6	1049
8.9	-2	-1	1050
8.9	-2	-1	1052
8.4	-7	-6	1054
* [9.7]	+6	+7	1057
<u>A.S.T.</u>			1056

$$\begin{array}{r} 45.5 \\ 5 \end{array}$$

9.10

* Stopped by clouds.

** undoubtedly wrong
 star. Col. indicates
 a star fol. 4.6

9.6 +5

8.9 -2

8.9 -2

8.4 +3-7

9.7 +6

A.S.

Sept 1057

mean rej. 1057 = 2.95-02

Mean 9.10

Additional Discordant Stars.

33

	VV	
	+0° K276	
9.6	+13	+14
9.9	+6	+7
10.0	-3	-2
10.1	-2	-1
10.2	-1	0
10.1	-2	-1
10.2	-1	0
7.9	-4	-3
10.0	-3	-2
75.0		
9		
	= 9.33	

	VV	
	+K° 2293	
51 [A.6]	-6	133-8a
193 9.2	+6	K22 +4
w.v.	.	.
w.v.	.	.
9.2	0	-2
9.2	0	-2
9.2	0	-2
9.4	+2	0
55.4		
6		
	= 9.25	

Repeated Star only.

Right 51

Mean rej. 51 = 9.12 + .19 Mean of above 9.36 + .21

N ✓

+10° 11136.5 [-1K] 110 as 0

7.9 0

A.2 +3

7.5 -4

A.0 +1

A.2 +3

A.0 +1

A.3 +4

A.1 +270.7
9 = 7.26

Regul 110

mean reg. 110 = A.02 + 2.2

✓ ✓

+10° 3540+19° 1341

7.9 -5 i

A.2 +4

A.1 -3

A.5 +1

A.7 +3

A.5 +1

A.4 0

A.5 +16/3.4

A.42 + 2.5

605

610

612

792

795

993

994

996

Regul 110

[6.5]

7.9 -1

8.2 +2

7.5 -5

8.0 0

8.2 +2

8.0 0

8.3 +3

8.1 +1

Mean 8.02

✓

+0° 39.24

31	A.7	-2	
304	9.6	+7	~~amb~~
266	9.2	+3	
273	A.4	-5	i
275	A.4	-1	
1041	A.4	-1	
1042	9.0	+1	
1049	A.7	-2	

$$\frac{71.2}{2} = 2.90 + 1.9$$

Reject 304

$$\text{mean rej. } 304 = 2.40$$

8.7 -2

9.6 +7

9.2 +3

8.4 -5

8.8 -1

8.8 -1

9.0 +1

8.7 -2

Mean 8.90

✓✓

-15° 16.02

[9.6]	+14 fi	+18	
2.0	-2	+2	
		+2	
7.2	-4	0	
7.7	+5 fi	-1	
7.6	-4	0	
7.9	-3	+1	
7.6	-6 i	-2	

71.57.42.20 + 0.515.6 7.54.2

7.23

+1.65

7.22

$$= \text{Corr. mean.}$$

Retain all.

[9.6]

8.0 0

7.8 2

8.7 7

7.8 2

7.9 1

7.6 4

Mean 7.97

Sum

-9° 380

906 5.4 -3

908 5.7 0

910 5.7 0

912 6.2 +5 *fi.*

913 5.6 -1

994 5.4 -3

917 6.1 +4

5.73

Retain all.

Sept. 15.+15° 49' 15"

8.9 -4	8.9 -4
9.9 +6	[9.9] +6
9.7 +4	9.7 +4
9.0 -3	9.0 -3
8.8 -5	8.8 -5
9.8 +5	9.8 +5
8.8 -5	8.8 -5
9.5 +2	9.5 +2
9.5 +2	9.5 +2
9.8 +5	9.8 +5
9.6 +3	9.6 +3
9.3 0	9.3 0
8.9 -4	8.9 -4
9.1 -2	9.1 -2
[8.6] -7	[8.6] -7
9.2 -1	9.2 -1
9.2 -1	9.2 -1
9.2 +5	9.2 +5
9.2 -1	9.2 -1
18 162.0	17 152.1
9.33	9.30

Stars transferred from Gard. Cat to
D.M. Ladders & having observations in both more
than one system.

6.5

$+81^{\circ}$ None No.	12 Constant of zero	Mag.	6.2	0	6.2	6.4	+2	2	$+81^{\circ} 17'$	L
789	5.06	6.2							700	4.97
358	5.06	6.4							770	4.93 7.4 -7 .
361	5.17	6.5							771	5.16 8.8 -3 .
528	6.0	J. -2							773	5.03 9.0 -1 .
529	6.3	J. +1							901	5.01 9.1 0 .
539	6.3	L. +1							904	5.01 9.3 +2 .
700	4.97								908	5.08 9.1 0 .
738	5.02	6.1								52.7 45.3
770	4.93	6.0								16 5
771	5.16	6.3								8.78 9.06 9.26
773	5.03	6.1								
901	5.01	6.3								
904	5.01	6.3								
908	5.08	6.3								
	8.11									
	13									
	6.24 + 20 = 6.44									

Note: marked — in mag. column when no trace of
observation is found.

P.V. 11

+81° 18 L.V. U Cephei 9(1)					+81° 19 L				
189	4.88	7.2	-1	3	~~700~~				
358	5.06	7.5	+2	2	771	wrong star			
361	5.17	7.3	0	.	773	N.S.			
528		7.2	J. -1	.	904	5.01	10.0	-1	.
529		7.5	J. +2	.	904	5.01	10.2	+1	.
539		7.3	L. 0	.	908	5.08	Too ft. N.		.
738		7.4	L. +1	.	913	4.99	10.1	0	.
770	4.93	7.2	-1	7	914	5.05	10.0	+	.
771	5.16	7.6	+3	.			40.3		
773	5.03	7.3	0	.			4		
901	5.01	7.3	0	.			10.08	10.28	
904	5.01	7.4	+1	.					
908	5.08	7.3	0	.					
1064		7.3	L. 0	.					
1066		7.2	L. -1	.					
1067		7.5	L. +2	.					
		117.5							
		16							
		7.34	7.54						

+80° 22 U Cephei ^(3b) c(3) +82° 20 A A.P. 134

528 5.22 8.9 L -3 .

529 5.18 9.2 J. 0 .

539 5.25 9.3 L. +1 .

738 5.02 9.5 L +3 .

36.9
4

9.22 9.42

189 4.98 5.2 | -2 4

(358 5.06 5.4 | 0 |

361 5.17 5.5 | +1 .

227 5.06 5.6 J. | +2 .

228 5.63 5.5 J. | +1 .

229 5.15 5.5 J. | +1 .

32.7
6

5.45 5.64

+81° 27 6 U Cephei 0(7)(72)

528 5.22 8.32 +1 .

529 5.18 8.2 J. 0 .

539 5.25 8.3 L. +1 .

738 5.02 8.2 L. 0 .

$\frac{33.0}{4}$

8.26-8.45

+80° 34 L. + V. P. 21

358 5.06 7.7 +2 .

361 5.17 7.6 +1 .

371 5.23 7.5 0 .

~~700 4.97~~

770 4.93 7.3 -2 .

771 5.16 7.7 +2 .

5773 5.03 7.4 -1 .

~~539 5.25 w. 2. L.~~

541 5.24 7.4 L. -1 .

545 5.14 7.5 L. 0 .

547 5.21 7.4 L. -1 .

755 5.16 7.6 L. +1 .

759 5.09 7.5 L. 0 .

760 4.94 7.5 L. 0 .

764 5.16 7.7 L. +2 .

$\frac{99.8}{13}$

$\frac{8-5}{13} = .02$

7.52 772

+80° 35 L

358 5.06 7.1 +1 2

360 4.97 6.8 -2 .

361 5.17 7.3 +3 .

~~700 4.97~~

770 4.93 6.7 -3 .

771 5.16 7.1 +1 .

773 5.03 7.0 0 .
$$\begin{array}{r} 42.0 \\ \hline 6 \end{array}$$

10.1

7.00 7.20

+80 36 L

358 5.06 6.6 +1 3

360 4.97 6.5 0 .

361 5.17 6.6 +1 .

~~700 4.97~~

770 4.93 6.2 -3 .

771 5.16 6.8 +3 .

773 5.03 6.5 0 .
$$\begin{array}{r} 39.2 \\ \hline 6 \end{array}$$

6.53 6.73

+87° 51 A+R

415 5.02 5.2 +1 .

417 5.00 5.1 0 .

419 5.02 4.9 -2 .

428 5.05 5.0 -1 .

432 5.25 5.4 +3 .

60.4 5.30 5.2 +1 .

~~674 wrong star~~

675 4.88 5.1 0 .

678 4.99 4.9 -2 .

40.8

8

5.10 5.27

+81° 343 R

262 4.71 6.5 0 .

263 4.77 6.5 0 .

265 4.90 6.4 -1 .

433 5.10 6.5 0 .

448 5.12 6.7 +2 .

450 5.02 6.2 -3 .38.8

6

6.47 6.67

+82° 35.6 A

260 4.76 6.2 +1.

262 4.71 6.1 0.

263 4.77 6.1 0.

274 4.90 6.1 0.

451 4.90 6.0 -1.

452 4.95 6.2 +1.

$$\begin{array}{r} 36.7 \\ 6 \end{array}$$

6.17 6.31

+80° 38.0 V L.V. 315

449 5.04 6.5 L 0.

~~451 4.90 6.2 " "~~

452 4.95 6.7 " +2.

454 5.09 m.2. " ^{per chan} 9.2

626 5.07 6.74 " +2.

628 4.99 6.64 " +1.

631 4.99 6.74 " +2.

639 5.05 6.74 " +2.

642 4.92 6.54 " 0.

1010 4.85 6.4 " -1.

1011 4.89 6.3 " -2.

1012 5.02 6.3 " -2.

$$\begin{array}{r} 65.4 \\ 10 \end{array}$$

6.54 6.74

+88° 71 A

260 4.76 6.1 -1 .

265 4.90 6.0 -2 .

268 4.78 6.1 -1 .

274 5.05 6.4 +2 .

451 4.90 6.2 0 .

452 4.95 6.2 0 .

$$\begin{array}{r} 37.0 \\ \hline 6 \end{array}$$

6.17 6.33

+82° 374 V L.V. 348

449 5.04 8.6 L -1 .

451 4.90 8.8 " +1 .

452 4.95 8.8 " +1 .

454 5.09 8.8 " +1 .

628 4.99 8.9 " +2 .

1010 4.85 8.5 " -2 .

1011 4.89 8.8 " +1 .

1012 5.02 8.7 " 0 .

$$\begin{array}{r} 69.9 \\ \hline 8 \end{array}$$

8.74 8.93

+84° 322 6

279 5.05 8.2 -2 -6

280 4.92 8.4 0 .

284 4.18 8.7 +3 .

1023 4.82 8.8 +1 .

1024 4.83 8.4 0 .

1025 4.90 8.3 -1 .

$$\frac{50.3}{6}$$

8.38 8.56

+83° 431

69A AP 2514

~~1023 4.82~~ ^{wrong} ~~stud~~

1024 4.83 7.7 -1 .

1025 4.90 7.9 +1 .

291 5.06 4.5 .

478 5.12 3.6 .

479 5.20 3.8 .

652 4.90 3.3 .

654 5.01 3.8 .

658 4.93 3.3 .

~~276~~

278 5.00 4.3 .

280 4.92 3.9 .

282 4.92 3.5 .

284 4.18 4.1 .

287 5.16 4.5 .

1013 4.91 3.3 .

1020 4.79 3.5 .

1021 4.89 3.4 .

+83° 431 6

289 5.48 6.0 +5 .

462 3.90 5.4 -1 .

475 4.97 5.4 -1 .

476 5.13 5.4 -1 .

850 4.79 5.5 0 .

1023 4.82 5.4 -1 .

1024 4.83 5.6 +1 .

1025 4.90 5.5 0 .

$$\frac{44.2}{8}$$

5.52 5.71

+86° 264 R

~~671 wrong star~~

672 4.80 7.7 -2 .

673 4.99 8.0 +1 .

675 4.88 7.9 0 .

$$\begin{array}{r} 236 \\ 3 \end{array}$$

7.87 8.04

+86° 269 R

308 4.94 4.3 0 .

310 4.81 4.3 0 .

500 5.16 4.5 +2 .

675 4.88 4.2 -1 .

678 4.99 4.1 +2 .

$$\begin{array}{r} 24.78 \\ 5 \end{array} \quad \begin{array}{r} 21.4 \\ 5 \end{array}$$

428 4.45

+86° 270 R Proem 32 +83° 526 R

~~672 4.80 7.7~~

~~673 4.99 8.0~~

675 4.88 ^{10.2} 7.9 -2 .

~~678 4.99 10.2 f. 5~~

681 4.99 10.6 f. +2 (Rad'gwr (changed))

682 4.88 10.5 f. +1 .

113
3

10.43 10.60

179 4.88 6.0 +1 .

501 5.20 6.0 +1 .

502 5.15 6.1 +2 .

674 4.98 5.8 -1 2

675 4.88 5.9 0 .

678 4.99 5.8 -1 .

35.6
6

5.93 6.12

+83°537 R
679506 *Ad. fts than 9.3*

+86°282 R

498 5.31 6.7 +1 .

502 5.15 6.4 -2 .

513 5.24 6.7 +1 .

677 5.28 6.8 +2 .

26.6
4

6.65 6.82

+83° 547 R

502 5.15 6.5 ⁻¹ ~~+~~ -3

513 5.24 6.6 ⁰ +2

504 5.26 6.7 ⁺¹ +3

677 5.28 6.7 ⁺¹ +3

26.5

4

6.81
6.62 ~~6.57~~

+80° 662 R

~~692 wrong star~~

693 5.09 8.5 +2

694 4.95 8.1 -2

696 5.00 8.2 -1

24.8

3

8.27 8.47

Discordant Stars. (General Catalogue)

No. ~~14~~ 14.R.A. = 0^h 5.2 Dec. = -5° 49'

223	6.0 +1 -1
225	6.5 +6 +4
227	6.0 +1 -1
341	5.4 -5 -7
343	5.6 -3 5
345	6.1 +2
	<u>35.6</u>
	<u>6.0</u>
	5.9 3
	+1.4
	<u>6.0 7</u>

This is H. P. 15.

Adopt this.

✓ Include all.

223	6.0 +2
225	[6.5] +7
227	6.0 +2
341	5.4 -4
343	5.6 -2
345	6.1 +3
	<u>5.4</u>
	5.2
	<u>1.4</u>
	5.9 6

A

Adopt this.No. ~~41~~ 41R.A. 0^h 14.6 Dec. +44° 9'

536	7.5 -5
539	7.4 -6
542	8.9 +9
566	8.3 +3
923	8.0 0
927	8.2 +2
931	7.8 -2
	<u>7/56.1</u>
	8.01
	+2.7
	<u>8.28</u>

This is IV 2

Adopt this.

✓ Include all.

536	7.5 3
539	7.4 4
542	[8.9] +11
566	8.3 +5
923	8.0 +2
927	8.2 +4
931	7.8 0
	<u>5.2</u>
	7.85
	+2.7
	<u>8.12</u>

A Adopt this.

✓ No. ⁵² 55
 $R.A. = 0^h 17.2$ Dec. = $+12^\circ 57'$

70	6.1	-1
71	[4.4]	+1.2 c
127	6.1	-1
149	6.4	+2
203	6.3	+1
205	[5.4]	-2 b
222	6.3	+1
223	6.5	+3
326	6.4	+2
339	6.1	-1
341	6.0	-2
343	6.0	-2

$$\begin{array}{r} 10 \overline{) 62.2} \\ 6.22 \\ +.23 \\ \hline 6.45 \end{array}$$

This is U. A. 11.

Ref. 71 and 205.

at Adopt this.

✓ No. ⁹² 105
 $R.A. = 0^h 21.9$ Dec. = $+23^\circ 24'$

222	[7.1]	+9 fi
225	6.3	+1
227	6.3	+1
228	6.4	+2
229	6.6	+4
336	6.2	0
339	5.7	-5 i
343	6.0	-2
345	[4.1]	-21
347	6.1	-1
532	6.2	0
534	6.2	0
566	6.4	+2

$$\begin{array}{r} 11 \overline{) 64.4} \\ 6.22 \\ +.26 \\ \hline 6.48 \end{array}$$

This is H. P. 26.

Ref. 222 and 345.

at Adopt this.

¹⁵⁷
No. 142

1^h 12.7 -2° 11'

219	[5.2]	-16	mag
222	6.2	0	
340	6.9	+1	
344	7.0	+2	
370	[5.2]	-10	mag
377	6.2	0	
379	6.6	-2	
382	6.2	0	
566	6.7	-1	
568	6.9	+1	
570	6.7	-1	

$$\begin{array}{r} 9 \overline{) 72} \\ \underline{620} \\ 100 \\ \underline{90} \\ 10 \end{array}$$

Rej. 219 and 370.

Adopt this.

²³³
No. 251

1^h 54.7 -26 55

344	7.1	+1	
350	7.0	0	
352	7.0	0	
565	[2.7]	+17	mag
574	[2.7]	+17	
919	6.9	-1	
921	7.0	0	
924	6.9	-1	
927	6.9	-1	
931	~~6.9~~	~~-1~~	

$$\begin{array}{r} 7 \overline{) 48.8} \\ \underline{42} \\ 68 \\ \underline{63} \\ 50 \\ \underline{49} \\ 10 \end{array}$$

Rej. 565 and 574.

Adopt this.

No. 254.

206	4.1	-5	i
229	4.2	+2	
232	4.3	-3	
363	4.3	-3	
369	4.6	0	
370	4.4	-2	
547	5.1	+5	i
560	4.7	+1	
563	4.2	+2	
4.57			
-0.5			
4.52			

²³⁶
No. 254.

1^h 55.3 - 21° 3K'

206	4.1	-4	
229	4.4	+3	
232	4.3	-2	
363	4.3	-2	
369	4.6	+1	
370	4.4	-1	
547	~~5.1~~	+6	Rej. all.
560	4.7	+2	
563	4.2	+3	
919	4.5	0	
921	4.7	+2	
924	4.1	-4	
1-16.4			64
4.53			4.53
11/5.3			
4.48	4.48	4.53	
-0.5			
4.43			

146K
60(r)

Rej. 547
Include all.

Adopt this.

No. ²⁵⁷~~270~~

$$\begin{array}{r} 2^{\circ} 0.7' + 2^{\circ} 29' \\ \hline \end{array}$$

742	$\frac{1}{2}$
752	0
753	$\frac{1}{2}$
757	$\frac{1}{2}$
759	$\frac{1}{2}$
761	$\frac{1}{2}$
762	$\frac{1}{2}$
764	1

Adopt this.

No. ²⁵⁷~~276~~

$$\begin{array}{r} 2^{\circ} 1.5' + 23^{\circ} 0' \\ \hline \end{array}$$

75	2.4	+2	1
222	1.2	-4	
229	2.6	+4	
232	2.5	+3	
234	2.3	+1	
344	2.1	-1	
346	1.9	-3	
350	2.0	-2	
547	2.6	+4	
560	1.9	-3	
563	2.1	-1	
<u>11/24.2</u>			
2.20			
<u>2.25</u>			
2.45			

Adopt this.

No. ~~292~~ ²⁹²No. ~~435~~ ⁴³⁵

59

$2^h 19.2 - 26^\circ 12'$
 912 [7.9] $\beta + 13$ Reg. f
 921 [7.5] $\beta + 9$ "
 924 6.7 $\beta + 1$
 926 6.7 $\beta + 1$
 929 6.6 β 0
 931 6.6 β 0
4/2.6
 6.65
-1.4
 6.48 Cor. Mean

Reg. 912, 921.

Adopt this.

$2^h 11.5 - 3^\circ 22'$
 No. ~~295~~ ²⁹⁵
 75 [7.4] -12 Reg.
 379 [7.2] -14 "
 382 8.9 +3
 384 8.5 -1
 565 8.6 0
 566 8.5 -1
 567 8.5 -1
3.0
8.60
+1.6
 8.76 Cor. Mean

Adopt this.

$3^h 27.1 + 9^\circ 2'$
 92 5.5 0
 100 5.5 0
 103 [6.2] +7 h col. right. Reg.
 212 5.5 0
 221 5.5 -1
 223 [7.6] +21 i 6 Reg.
 233 5.5 +3
 352 5.5 0
 360 5.5 0
 362 5.3 -2
 562 5.4 -1
 570 5.6 +1
 572 5.4 -1
11/5.4
 $\frac{5.49}{22}$
 5.71

Reg. 103 and 223.

92 5.5 -1 5.5 0
 100 5.5 -1 5.5 0
 103 6.2 +6 [6.2] +7
 212 5.5 -1 5.5 0
 221 5.4 -2 5.4 -1
 [223] [7.6] +20 [7.6] +21
 233 5.5 +2 5.5 +3
 352 5.5 -1 5.5 0
 360 5.5 -1 5.5 0
 362 5.3 -3 5.3 -2
 562 5.4 -2 5.4 -1
 570 5.6 0 5.6 +1
 572 5.4 -2 5.4 -1
12/6.6
 5.49

✓ *n.f.* No. ~~441.~~ ~~445.~~
 $DM + 2586$

$3^h 33^m + 62^\circ 19'$ 6.6

550 *n.f.*

554 [7.9] - $\frac{2}{3} i$

556 *n.f.*

557 8.7 0

559 [7.9] - $\frac{2}{3} i$

562 *n.f.*

567 9.1 4

568 8.9 2

570 8.8 1

573 8.5 2

574 8.6 1

575 8.9 2

577 8.7 0

578 8.9 2

579 8.5 2

019 8.2 5 *m*

025 9.0 3

027 8.6 1 $\frac{1}{2}$

13) $\frac{1134}{104} \frac{872}{94}$
 $\frac{91}{30}$
 $\frac{26}{20}$

8.92

+25

8.97 = *Cor. mean*

Rej. 554 and 559.

Adopt this

No. ~~524.~~ ~~524.~~

✓ ✓ $4^h 0^m + 22^\circ 43'$ (5.4) *v.m.*

220 5.6 * 4

221 5.7 *col. right? 5g*

239 5.4 $i + 2$

364 5.9 $i + 3$

366 5.8 $i + 4$

367 5.8 $i + 4$

550 5.1 $i + 1$

554 5.3 $i + 1$

560 5.2 $i + 0$

$\frac{46.8}{5.20}$ *Uncor. mean*

$\frac{+26}{5.46}$ *Cor. mean*

*Col. 3.2 units wrong but
 no other 5th mag. stars near.*

Include all

Adopt this

✓ *n.p.* No. ~~474.~~ ~~474.~~

$3^h 32^m + 23^\circ 59'$

221 5.2 0

547 5.0 -2

549 5.2 -4

591 5.9 -3

594 5.3 +1

945 5.6 +4

951 5.3 +1

953 5.6 +4

$\frac{5.21}{5.26}$

$\frac{+26}{5.47}$

Include all.

Adopt this

^{512.}
No. 536.

$$\sqrt{\sqrt{5.5} - 7^{\circ} 11' (6.1)}$$

~~364~~	~~[4.0] * -16~~
362	5.9 +3
376	5.6 0
374	5.6 0
382	5.7 +1
560	5.6 0
567	5.5 -1
569	5.1 5 i
	5.57

$$\frac{5.57}{+1.3} = 5.70 \text{ Cor. mean.}$$

This is evidently wrong
star and is $\approx 5^{\text{th}}$. $-7^{\circ} 76'$,
fol. star in question 1.5 min.
and 5.5 north.

Reg. 364

61
^{619.}
No. 649. H 879

$$\sqrt{\sqrt{5.5} + 50' 56' (3.6) K.0}$$

373	3.9 +2
376	3.9 +2
374	2.9 $\frac{1}{2}$
391	3.0 1 air
395	3.9 +2
574	[6.2] +25 Col. ^{abk.} right, *
581	3.7 0
584	K.0 +3
589	K.2 +5

$$\frac{3.69}{+2.7} = 3.96 \text{ Cor. mean.}$$

$8 \overline{29.5} / 369$
 $\underline{29}$
Possibly star obs. was a
6.5 magn. fol. 0.7, 22' north.

Reg. 574.

3.9 +1	3.9 0
3.9 +1	3.9 0
[2.9] -9	[2.9] -10
3.0 -2	[3.0] -9
3.9 +1	3.9 0
[6.2] +24	[6.2] +23
3.7 -1	3.7 -2
K.0 +2	K.0 +1
K.2 +4	K.2 +3
7 $\overline{26.6}$	6 $\overline{23.6}$
3.80	3.93

649.
No. ~~679~~

$$5^h 7^m 9^s - 0^h 13' (9.0)$$

569	2.5	i	+6	no measure
573	7.7	i	2	
549	[9.5]	i	+16	
599	2.6	i	+7	gt
792	7.9	i	0	
797	7.5		4	
800	7.7	i	2	
960	7.6	i	3	
961	7.6	i	3	
963	7.4	i	1	

9) 70.9 (7.898)

7.898
+ 1.12
8.018 Cor. mean.

✓

Adopt this.

569	2.5	+6	2.5	+7	[2.5] + 2
573	7.7	-2	7.7	-1	7.7 0
549	[9.5]	+16	[9.5]	+17	[9.5] + 14
599	2.6	+7	[2.6]	+2	[2.6] + 9
792	7.9	0	7.9	+1	7.9 +2
797	7.5	-4	7.5	-3	7.5 -2
800	7.7	-2	7.7	-1	7.7 0
960	7.6	-3	7.6	-2	7.6 -1
961	7.6	-3	7.6	-2	7.6 -1
963	7.4	-1	7.4	0	7.4 +1
9) 70.9			7.898		7.4.2
7.898			7.79		7.69

661.

No. ~~691~~

$$5^h 9^m 7^s - 2^h 19' (1)$$

391	0.4	+1	+2
393	0.3	0	+1
395	[3.4]	+3	One ~~rad.~~ wrong.
399	0.2	1	0
573	7		
574	[2.9]	+2	One ~~rad.~~ wrong.
5.09	0.3		
0.305			
0.435			Cor. mean.

Adj. 395 and 574

Adopt this.

749
No. ~~780~~

✓ $5^h 43^m 9^s + 12^h 37' (5.1)$

99	4.7	1	1
101	4.5	2	3
104	4.7	1	1
395	5.0	+2	2
406	4.8	0	0
571	4.8	0	0
574	[6.1]	+13	+13 h
576	[5.6]	+8	+8 h

6) 22.5 (4.95)
4.75
+ 1.23
4.92 Cor. mean.

Adj. 574, 576

Adopt this.

Camp. Star to Ave Orionis.

+ 20° 11' 62"

No. ~~757~~ ~~758~~756.
No. ~~213~~

✓

5h	42.5	+ 20° 16' (5.0)
563	4.7	2 + 3
563	4.6	3 + 4
564	4	.
564	4.5	0 + 1
564	4.5	0 + 1
567	4.6	3 + 4
567	4.5	0 + 1
567	4.5	0 + 1
567	4.5	1 0
569	4.5	1 0
569	4.5	1 0
571	3.9	1 - 5 h
574	4.2	3 - 2
576	6.9	This is chora.
580	4.3	2 - 1

$$\frac{12.60}{5} = 4.50$$

$$\frac{13.5.9}{4.5}$$

Include all.

Adopt this.

$$\frac{4.45 + .25}{4.70} \text{ Cor. mean.}$$

5h	57.1	- 10° 36' (5.6)
326	5.6	+ 6 h to reason
392	5.0	0
393	4.9	- 1
569	4.5	- 5 h to reason.
571	4.6	- 2
574	5.4	+ 4
574	5.1	+ 1

5.04

35.3 5.04

5.04

+ 10

5.14 Cor. mean.

Include all

Adopt this.

[5.6] + 6

5.0 0

4.9 - 1

4.5 - 5

4.6 - 2

5.4 + 4

5.1 + 1

6129.7

4.95

No. ~~822~~ ^{790.}6L 1.6 -K° 11' (6.0)

343 5.2 1
 346 6.0 +7 no reason
 392 5.5 +2
 569 K.A 5 no reason
 574 5.7 +4
 578 5.1 2
 594 5.7 +4
 596 K.A 5 no reason
 596 5.1 2

9) 47.9 (5.32)
 $\frac{43}{4.5}$
 $\frac{29}{20}$

5.32
 +.16
 5.48 Cor. known

Adopt this.

✓
 5.2 0
 [6.0] +4
 5.5 +3
 K.A -K
 5.7 +5
 5.1 -1
 5.7 +5
 K.A -K

5.1 -1
 2/41.9
 5.24

No. ~~250.~~ ^{214.}6L 9.K +13° 53' (6.3)

104 5.5 0
 114 K.3 12 ff
 116 5.4 1
 120 5.6 +1
 232 5.5 0
 343 6.2 +7
 392 5.6 +1
 393 5.4 1
 424 5.7 +2

9) 49.2 (5.47)
 $\frac{43}{4.5}$
 $\frac{29}{20}$

5.47
 +.24
 5.71 Cor. known

✓
 104 5.5 -1 5.5 0
 [114] [K.3] -13 [K.3] -12
 116 5.4 -2 5.4 -1
 120 5.6 0 5.6 +1
 232 5.5 -1 5.5 0
 343 6.2 +6 [6.2] +7
 392 5.6 0 5.6 +1
 393 5.4 -2 5.4 -1
 424 5.7 +1 5.7 +2
 $\frac{43}{4.5}$ 7/3.7
 $\frac{29}{20}$ 5.53
 $\frac{24}{5.45}$

Adopt this.

No. 221.

✓

6^h	12^m	-1^s	$32'$	(9.3)
574	[7.6]	-8	i	fg
582	[7.6]	-8	i	fg
596	4.4	4		
612	2.6	2		
790	u.f.			
792	u.f.			
795	2.9	+1		
796	9.2	+4		
797	2.9	+1		
947	2.2	0		
949	2.7	L		
$\begin{array}{r} 7) 55.09 \ 2.79 \\ \underline{43} \\ 60 \end{array}$				

$$\begin{array}{r} 2.79 \\ + .12 \\ \hline 2.96 \end{array}$$
 Cor. mean.

No. 293.a

6^h	24^m	-27^s	$52'$	$K.P. 5.7$
596	6.0	2		
795	6.2	0		
796	6.4	6	i	g
797	6.0	2		
947	5.4	4		
949	6.0	2		
990	6.4	2		
993	6.5	3		
994	6.1	1		
996	5.9	3		
385	1.7			
388	6.17			
390	6.95			
984				

$$\begin{array}{r} 6.17 \\ - .22 \\ \hline 6.95 \end{array}$$
 Cor. mean.

Reduce all

Adopt this.

No. 893 b (Not same as above see M.P.)

385	7.3
388	7.2
390	7.3
977	8.9
994	9.2
996	9.2

No. ²⁶⁷~~902~~

$$\checkmark \quad 6^h 31.9 + 16^m 29' (2.1)$$

$$K15 \quad 1.4 \quad 3$$

$$K17 \quad [3.6] + 19 \text{ no down}$$

$$K19 \quad 1.5 \quad 2$$

$$K22 \quad 2.1 + 4$$

$$\begin{array}{r} 3/50 \\ 1.87 \end{array}$$

$$\begin{array}{r} 1.67 \\ +.24 \\ \hline 1.91 \text{ Cor. mean.} \end{array}$$

Regul 417

Adopt this.

No. ²²⁵~~920~~

$$\checkmark \quad 6^h 40.7 - 16^m 34' (1)$$

$$392 \quad [2.9] - 8 + 11 \text{ no down} - 11$$

$$393 \quad -1.6 + 5 + 1 \quad +2$$

$$K15 \quad -2.2 - 1 - 4 \quad -K$$

$$K17 \quad -1.6 + 5 + 1 \quad +2$$

$$\begin{array}{r} 4/83 \\ 2.08 \end{array}$$

$$\begin{array}{r} 3/5.4 \\ 1.8 \end{array}$$

$$\begin{array}{r} 1.20 \\ +.04 \\ \hline 1.24 \text{ Cor. mean.} \end{array}$$

Regul 392

Adopt this.

No. ²⁶¹~~896~~ F (6.2)

$$\checkmark \quad 6^h 29.7 + 38^m 31$$

$$580 \quad 6.0 + 4$$

$$586 \quad 5.3 - 3$$

$$596 \quad 5.4 - 2$$

$$\begin{array}{r} 5.57 \\ +.27 \\ \hline 5.84 \text{ Cor. mean.} \end{array}$$

Adopt this.

⁸²⁷
No. 922

+35° K_r'

6^h K_r 2.0 + 2° 9' (5.3)

1 K_r 5 411K K_r 9 0

11K 5.5 +6 no reason

123 K_r 7 2
$$\begin{array}{r} 4196 \\ 480 \end{array}$$

$$\begin{array}{r} 4.90 \\ +.22 \\ \hline 5.12 \end{array}$$

Include all

Adopt this.

✓

4.5 -2

4.9 +2

[5.5] +2

4.7 0

2.1

4.70

¹³⁷⁹
No. 1279 L4 (4.4)

608 4.3 +2

613 2.5 -6 no reason

619 4.2 +1

620 4.4 +3

$$\begin{array}{r} 4164 \\ 410 \end{array}$$

$$\begin{array}{r} 4.10 \\ +.27 \\ \hline 4.37 \end{array}$$

Include all

Adopt this.

Correct in copy.

✓

4.3 0

[3.5] -2

4.2 -1

4.4 +1

.9

4.30

Correct in copy

✓ 1418 +22° 23'
~~No 1374~~ B3727 (8.0)

251 7.3 +1

256 [5.6] -16 - $\frac{1}{2}$

260 7.2 0

263 [5.8] -14 - $\frac{1}{2}$

265 7.2 0

423 6.7 -5 - *igt*

438 7.5 +3

440 7.2 0

448 7.3 +1

450 7.1 - $\frac{1}{2}$ *isp*

453 7.1 -1

19) 16 (7.18
 90

7.12 ✓
 +.26 ✓
 7.44 Cor. mean

April 256, 263

Adopt this.

Correct in copy.

✓ 1429 +4° 9'
~~No 1285~~ 9330 (4.5)

12 4.4 -5 *fg*

16 5.2 +3

17 5.1 +2

22 5.0 +1

258 4.7 -2

260 4.8 -1

261 [5.9] *igt* +10

262 4.7 -2

435 [6.9] *igt* +20

437 5.3 +4

438 4.9 0

448 [4.8 *igt*] -1

450 4.9 0

452 4.9 0

11) 99/90

4.90

Aug. 261, 435, ~~448~~

4.90 ✓
 +.10 ✓
 5.00 Cor. mean

90 ✓
 4.90 ✓
 +.10 ✓
 5.00 Cor. mean

Adopt this.

Correct in copy.

1508 $+9^{\circ} 0'$
 $\frac{1567}{1467}$ 9352 (5.5)
 13 54 +1
 15 57 +4
 16 48 -5 $\frac{9}{5}$
 18 46 -7 $\frac{9}{5}$
 256 54 +1
 258 54 +1
 260 56 +3
 $\frac{7129}{14} (27)$
 $\frac{5.27}{+2.22}$
 $\frac{5.48}{\text{Cor. mean.}}$

✓ $\frac{5.4}{0}$
 $\frac{5.7}{+3}$
 $\frac{4.2}{-6}$
 $\frac{[4.5]}{-2}$
 $\frac{5.4}{0}$
 $\frac{5.4}{0}$
 $\frac{5.6}{+2}$
 $\frac{6/2.3}{5.32}$

Adopt this
 Correct in copy.

~~M. P. 1524~~
 16 6.6 +4 $\frac{9}{5}$
 12 6.6 +4
 20 6.5 +3
 262 5.2 -4
 K203 5.9 -3
 K20 6.0 -2
 K22 5.2 -4
 239 6.1 -1 $\frac{9}{5}$
 $\frac{2/K2.3}{6.16}$

Not wanted.

1512 $+K^{\circ} 13'$
 $\frac{1577}{1477}$ 9303 (5.8)
 19 [6.7] +16 $\frac{9}{5}$
 20 5.4 +3
 21 [6.7] +16 $\frac{9}{5}$
 256 5.1 0
 258 4.5 -6 $\frac{9}{5}$
 260 5.0 $\frac{9}{5}$
 435 5.3 +2
 449 [3.0] -21 $\frac{9}{5}$
 452 5.2 +1
 458 5.0 -1
 $\frac{7150}{49} (21)$
 $\frac{5.07}{+2.02}$
 $\frac{5.27}{\text{Cor. mean.}}$

Adopt this
 Correct in copy.

[6.7] +15
 $\frac{5.4}{+2}$
 [6.7] +15
 $\frac{5.1}{-1}$
 [4.5] -7
 $\frac{5.0}{-2}$
 $\frac{5.3}{+1}$
 [3.0] -22
 $\frac{5.2}{0}$
 $\frac{5.0}{-2}$
 $\frac{6/1.0}{5.17}$
 $\frac{5.17}{5.37}$

Adopt this
 Correct in copy.

✓ -20" K'

12^L

V No 1672 12 28.2 -20 4 U331

449 A.S.

451 A.S.

454 86 -1

633 9.1 +4

1010 8.4 -3

1011 [6.0] -27 i

$$\begin{array}{r} 3(261) 6.70 \\ \hline 24 \\ 21 \end{array}$$

Rejct 1011

$$\begin{array}{r} A. 20'' \\ -0.2'' \\ \hline 2.6 A \end{array}$$

Adopt this.

V No 1595 633/ (9.1)

449 7.2 0

451 7.3 +1

452 7.4 +2

628 7.2 0

633 7.2 0

641 [9.3] +21 m

644 [9.1] +19 m

1010 7.0 -2

$$\begin{array}{r} 6.13 \\ \hline 7.22 \end{array}$$

This star is now accordant as, there being two stars on observing sheet to be taken, the two had got mixed.

comp. to stand $\checkmark$ #216013
 $\frac{1647}{1701} 1634$ 12 35.3 -10 33
 $\checkmark$ No 1600 $\checkmark$ (6.9)
 449 7.0 0
 451 $[7.8] + 8$ m g f $\checkmark$
 452 7.0 0
 628 $\frac{7.0}{200}$ 0
 $\checkmark$ Rept 451 $\frac{7.00}{+0.7} 7.07$ Cor. mean.
 Adapt this.

$\checkmark$ 1647
 $\frac{1717}{1614}$ #2160 (7.0)
 264 $[5.0] -21$ 12 38.3 -13 19
 271 7.1 0
 273 7.6 +5
 274 7.3 +2
 449 $\frac{1}{20}$ $\checkmark$
 451 7.1 0
 452 7.0 -1
 628 6.9 -2
 633 6.9 -2
 $\checkmark$ 7 449 (7.12)
 $\frac{449}{20}$ $\frac{7.13}{+0.6} 7.21$ Cor. mean.
 Rept 264 Adapt this.

$\checkmark$ 1712
 $\frac{1727}{1681}$ #P2249 (3)
 275 3.4 -1
 277 3.8 +3 $\checkmark$
 279 4.0 +5 49
 1012 3.3 -2
 1013 3.2 -3 $\frac{8}{3.9}$
 1016 4.2 +7 igt 49
 1019 2.9 -6 igt
 1020 3.1 -4
 $\frac{8}{279} \frac{349}{249}$ $\frac{3.49}{-0.7} 3.42$ Cor. mean.
 Adapt this.

275 3.4 0 3.4 +1
 277 3.6 +4 3.6 +5
 279 4.0 +6 $[4.0] +7$
 1012 3.3 -1 3.3 0
 1013 3.2 -2 3.2 -1
 1016 $[4.2] +6$ $[4.2] +9$
 1019 2.9 -5 2.9 -4
 1020 3.1 -3 $\frac{3.1}{-0.7} 3.2$
 $\frac{7}{25.7} \frac{3.39}{3.21}$ 3.21 Cor. mean

1757
~~1728~~
 No 1728 (H.P. 6.0) H.P. 2342

275 6.6 -1
 277 7.0 +3
 279 7.4 +7 no reason
 465 6.2 -5 "no reason
 471 6.5 +1
 651 6.3 -4
 653 6.6 -1

7) 46.9 (6.70)
 42
 49
 49
 10

6.70
 - .2
 6.50 Cor. mean.

1757
 No. 1728

275 6.6 0
 277 7.0 4
 279 7.4 8
 465 6.2 4
 471 6.8 2
 651 6.3 3
 653 6.6 0
 013 6.5 1
 022 6.2 +4
 022 6.4 2

10) 60 (6.60)

6.60
 - .24
 6.36 Cor. Mean

6.6 +1
 7.0 +3
 7.4 +7
 6.2 -3
 6.5 +1
 6.3 -2
 6.6 +1
 6.5 0
 6.2 -3

6.4 -1 6.51
 9) 4.6
 42
 49
 49
 10

Adopt this.
 This copied in
 W. P. Cat.

1757
~~1728~~
 No 1728 B4698 (6.5)

277 7.7 +6
 279 6.6 -5 in found
 281 6.5 -6 m "
 282 6.1 -10 m "
 461 6.6 -5 m gf "
 462 7.6 +5
 465 7.8 +7
 651 8.0 +9

8) 56.9 7.11
 56
 09
 8
 10

7.11
 + .11
 7.22 Cor. mean.

277 7.7 +4 7.7 +3 7.7 -1
 279 6.6 -7 6.6 -2 [6.6] -12
 281 6.5 -8 [6.5] -9 [6.5] -13
 [2.2] [6.1] -12 [6.1] -13 [6.1] -17
 461 6.6 -7 6.6 -2 [6.6] -12
 462 7.6 +3 7.6 +2 7.6 -2
 465 7.8 +5 7.8 +4 7.8 0
 651 8.0 +7 8.0 +6 8.0 +2
 7) 50.2 6) 44.3 4) 3.1
 7.26 7.32 7.72
 +11
 7.89 cor. mean

Two stars, Correctly
 adjusted in W. P. Cat.

✓ ^{12.57} (a) star ^{4h 48m - 12° 3'}
 ✓ No ~~1757~~ same as P-12° 39' 80" (9.0)

850 8.7 0

852 8.8 +1

853 8.6 -1

1027 [9.5] +8 i

8.70

Reg. 1027

8.70

+0.8

8.78 Corr. Mean

Adopt this.

✓ No 1850 ^{14h 07m - 26° 12'}

277 4.2 +4

281 4.0 +2

282 4.1 +3

013 3.4 -4

018 3.4 -4

021 3.5 -3

$$\begin{array}{r} 946/77 \\ 42 \\ \hline 40 \end{array}$$

3.77

$$\begin{array}{r} -16 \\ \hline 3.61 \end{array}$$

Corr. Mag.

Adopt this.

1788

✓ No 1762

H 2387 (H.P. 52)

281 5.6 +1

282 5.6 +1

284 [6.5] +10287 [6.3] +8

461 5.6 +1

462 5.5 0

465 6.4 -1

5.77 (5.4)

5.54

Regist. - 284, 287

$$\begin{array}{r} 5.77 (5.4) \\ 2.6 \\ \hline 5.54 \end{array}$$

5.54

-1.8

5.36 Corr. M.

Adopt this.

221 5.6 +2

222 5.6 +2

224 [6.5] +11227 [6.3] +9

461 5.6 +2

462 5.5 +1

465 5.4 0

1013 5.3 -1

1019 5.3 -1

1021 5.2 -2
$$\begin{array}{r} 4/3.5 \\ \hline 5.44 \end{array}$$

5.44

-1.2

5.26 Corr. mean. Adopt this.

✓ 1864
~~1941~~
 ✓ No ~~1841~~ H.P. 2473 (53) ✓
 274 57 +1
 278 58 +2
 279 56.0
 463 [32] -24 ~ 3.4 (60)
 472 57 +1
 475 57 -5 gt
 476 [25] -31 wrong star
 479 57 +1

$$\begin{array}{r} 6 \overline{) 36} \\ 5.60 \end{array}$$

$$\begin{array}{r} +.05 \\ \hline 5.65 \text{ Corr. Mean} \end{array}$$

 Adj. 463 Adopt this.

1981
~~1881~~ B 5009 (B.R.C 6)
 290 62 +3 South of -30
 293 62 +2
 463 55 -5 gi
 472 59 -1
 5.98
 5.98
 Inducted all

M.P. 1921
 649 5.9 -1
 651 6.0 0
 653 [5.7] (1st med. band)
 657 6.1 +1

$$\begin{array}{r} 6 \overline{) 36} \\ 6.00 \\ +.25 \\ \hline 6.25 \end{array}$$

Adopt this.

✓ No ²⁰⁰⁶~~1906~~ - (177) *Shoumae* (7/1) ✓

1033 98 +4 i g

1034 91 -3

1036 94 0

1037 ^{13.} 8 _{13.} $\frac{1}{2}$

1038 ^{13.} 8 _{13.} $\frac{1}{2}$

3113
43

9.43
+27
9.70 $\rightarrow$ Corr. Mean.

Include all

Adopt this

✓ No ²⁰¹¹~~1911~~ ¹⁵₊₅ 17.5-14°47 (6.3)

279 6.8 -2

291 7.1 +1

295 7.4 +4

463 6.6 -4

4) 39/98
36
30 6.88

Include all. $\frac{6.98}{+0.6}$
7.04 Corr. Mean
Adopt this

✓ ~~2657~~
~~No 1957~~
~~285 [6.1] +9~~ no mean
~~463 5.3 +1~~ South of -30°
~~476 5.1 -1~~
~~478 5.3 +1~~

$$\begin{array}{r} 37 \\ 23 \end{array}$$

Result 2.85

5.23

~~B5113 (5.1/2)~~

✓ ~~2000~~
~~2092~~
~~No 1992~~ HP 2640 (HP 4.8)
~~280 5.3 +4~~ 3
~~293 5.6 +7~~ no mean
~~463 4.9 0~~ 1
~~477 4.8 -1~~ 2
~~1021 4.6 -3~~ 4
~~1027 4.8 -1~~ 2
~~1030 5.4 +5~~ 4
~~1035 4.7 -2~~ 3
~~1036 4.8 -1~~ 2
~~1037 4.8 -1~~ 2

$$\begin{array}{r} 981 \\ 890 \end{array}$$

4.9.7
~~-1.4~~

4.83 Cor. mean.
Adopt this.

This finally adjusted
 in U. S. Cat.

✓ No 2005 ²¹⁰⁵ 1st P. 2053 (H.P. 56)

280 5.9 +4

295 [6.5] +10 fg

463 5.5 0

477 5.2 -3

479 5.7 +2

1027 5.5 0

1028 5.5 0

1029 5.1 -4

7) 34/49
60
56

5.49

-11
5.38

Adopt this

April 295

✓ No 2013 B 5260 (6) -

293 [5.3] -8 i

463 6.1 0

477 6.1 0

479 6.1 0
610

610

-13

5.97

for Moon

April 293

Adopt this

No. 2121

293 4.6 +3

463 4.9 +6

477 4.3 0

027 3.9 -4

028 4.2 -1

029 4.1 -2

6/2.0
4.23

-2.6

Cor. mean = 4.07

Adopt this

✓ $\overset{2200}{\cancel{102100}}$ $P-19^{\circ}42'67$ (73) $\cancel{10'2/63}$
 859 9.0 0 $\cancel{143}$
 1022 $10.6 + 16$ i $\cancel{144}$
 1025 $\tilde{F} . \#$ $\cancel{166}$
 1026 $8.9 - 1$
 895

$\begin{array}{r} 8.95 \\ -0.2 \\ \hline 8.75 \end{array}$ Corr. Mean.

Rejct 1022

Adopt this.

✓ $\overset{2123}{\cancel{No. 2116}}$ $H.P. 2764(1.1)$
 290 1.7 +3 -26.1
 296 $[2.2] + 8$ $f9$
 297 $[2.0] + 6$
 1180 1.6 +2
 655 1.2 -2
 657 1.2 -2
 661 1.4 0
 040 1.5 +1
 043 1.2 -2
 049 $1.1 - 3$

$\begin{array}{r} 6) 29/368 \\ \underline{30} \\ 28 \\ \underline{20} \\ 8 \end{array}$ 1.36

$\begin{array}{r|l} 1.7 + 2 & 1.7 + 3 \\ 2.2 + 7 & [2.2] + 8 \\ 2.0 + 5 & 2.0 + 6 \\ 1.6 + 1 & 1.6 + 2 \\ 1.2 - 2 & 1.2 - 2 \\ 1.2 - 3 & 1.2 - 2 \\ 1.4 - 1 & 1.4 0 \\ 1.5 0 & 1.5 + 1 \\ 1.2 - 3 & 1.2 - 2 \\ 1.1 - 4 & 1.1 - 3 \end{array}$

$\begin{array}{r} 10) 15.1 \\ \underline{1.51} \end{array}$

$\begin{array}{r} 8) 12.9 \\ \underline{1.43} \\ 1.6 \end{array}$

This adopted. $\begin{array}{r} 1.51 \\ -1.4 \\ \hline 1.11 \end{array}$ $\begin{array}{r} 1.43 \\ -1.6 \\ \hline -0.17 \end{array}$ Corr. Mean.

✓ 2193
✓ No 2287

474 $\frac{1}{2}$ $\frac{1}{2}$

477 9.1 0

481 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

484 9.2 +1

485 9.1 0

487 9.1 0

488 9.6 +5 i $\frac{1}{2}$

654 9.1 0

655 9.3 +2

657 8.6 -5 i

1028 8.9 -2

1029 8.9 -2

1036 9.3 +2

1037 9.2 +1

9.12

Frederick all

✓ 483 ($\frac{1}{2}$) $\frac{1}{2}$

$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
36
80

9.12
+14

9.26 *Corr. Mean.*

Adapt this

✓ 2317
✓ No 2217

282 9.0 -1

286 [10] +10 *no mean*

292 9.2 +1

9.10

Adjust 286.

9.10
+18

9.28 *Corr. Mean*

Adapt this

2242
in P. 23K6

292 2.4 0

296 3.4 6

297 2.4 $\frac{1}{2}$

299 2.6 $\frac{1}{2}$

474 2.4 $\frac{1}{2}$

443 3.0 2

444 3.1 3

2.41
+1.05

2.66 *Adapt this*

2250
 $\frac{2}{2}$
 $No \ 2254$
 $474 \ 7.9 -4$
 $482 \ 8.7 +4 \ f i g$
 $484 \ 7.7 -6 \ no \ reason$
 $657 \ 8.8 +5 \ f i$
 $4) 331 / 8.28$
 $\frac{16}{30}$
 $8.28'$
 $\frac{1.057}{8.337} \left\{ \begin{array}{l} \text{Corr.} \\ \text{Mean.} \end{array} \right.$
Adopt this.
 Include all
 $17 \ 7.7 -15^{\circ} 30' - (9.1)$
 $\checkmark \ 3 \ No \ 2280 \ #2916 \ (H.P.4.4)$
 $1032 \ 5.2 \ 0$
 $1034 \ 5.7 +5 \ i g t$
 $1035 \ 4.7 -5 \ i g t$
 $\frac{3 \ 156}{52}$
 5.22
 $\frac{2}{-30} \left\{ \begin{array}{l} \text{Corr.} \\ \text{Mean.} \end{array} \right.$
Adopt this.
 Include all

$\checkmark$
 $7.9 \ -6$
 $8.7 \ +2$
 $[7.7] \ -8$
 $8.8 \ +3$
 $\frac{3}{25.4}$
 8.47
 $+05$
 $8.52 = \text{Cor. Mean}$

✓ 2417 ^h 17 523-2845
~~No 2317~~ 14 3002 (H.P. 62)
 1034 62 -2
 1048 68 +4
 1080 61 -3

$$\begin{array}{r} 3 \overline{) 11} \\ 36 \end{array}$$

Include all

$$\begin{array}{r} 6.3 \overline{) 1} \\ - 25 \\ \hline 6.12 \text{ Bon Mean} \end{array}$$

 Adopt this.

✓ 2323 AP 3011 (6.0)
~~2423~~ ~~17~~
~~No 2325~~ ~~27-15-80~~ 6.0
 292 58 0
 296 6.0 +2
 297 5.9 +1
 298 5.8 +1
 299 [7.2] +15 i
 301 5.7 -1
 495 5.8 0
 497 6.3 +5 gt
 499 6.8 0
 1034 5.5 -3
 1048 [11] -12 i gt
 1080 5.6 -2
 10) 83

Reject 299, 1048

$$\begin{array}{r} 5.836 \\ - 07 \\ \hline 5.76 \text{ Bon. Mean} \end{array}$$

 Adopt this.

✓ $\overline{2329}$ 2.511 (4.5)
 $\checkmark$ No 2330
 292 6.5
 296 6.8
 297 6.9
 298 7.0
 299 7.6
 301 7.0
 495 6.6
 497 6.9
 499 6.9
 1034 6.5
 1048 8.0
 1050 6.7

✓ 166 $[5.1] + 8$ no mean

168 4.2 -1

169 4.2 -1

170 4.3 0

290 4.5 +2

292 4.3 0

298 $[3.5] - 8$ gt

299 4.3 0

484 4.3 0

485 4.3 0

486 $4.6 + 3$

9) 30/33
 33
 30

4.33
 +.12
 4.45

Adapt this

✓ $\overline{2394}$ 4 (A.P. 3.1)
 1052 3.1 +1
 1058 $[3.8] + 8$ gt
 1061 2.8 -2
 1062 $3.1 + 1$
 300

Reject 1058

200
 -14
 2.86 Cor. Mean

Adapt this

✓

$$\begin{array}{r} \text{No } 2399 \\ 1054 \quad 7.8 - 4 \\ 1062 \quad 8.6 + 4 \\ \hline 2164 \\ 82 \end{array}$$

18
 $25.4 - 19.14 (8.4)$

8.20
 -01
 8.19 Corr. Mean

Include best Adapt this

✓ 2507

$$\begin{array}{r} \text{No } 2507 \quad H 2123 \quad (H.P. 5.9) \\ 1052 \quad 5.6 - 3 \\ 1058 \quad 6.2 + 4 \text{ gt} \\ 1062 \quad 5.8 - 1 \\ \hline 590 \end{array}$$

5.90
 -11
 5.79 Cor. Mean
 Include all Adapt this

✓ 2420
~~No 2529~~ HP3153 (C.2)
 1043 6.0 -2 +1
 1052 [6.3] -9 i g f 8
 1054 [6.5] +7 f 48
 1058 6.2 0 +1
 1059 6.3 +1 +2
 6.17 6.17
 -0.2 -6.4
 6.40 -

Adapt this.

This adjusted in m. p.
 Cat. correctly.

✓ 2472 HP3238
~~No 2522~~ (HP 5.7)
 1034 5.1 -5 i g f
 1043 5.7 +1
 1052 5.9 +3
 17 5.57
 5.57
 -1.3
 5.44 'Corr. Mean'
 Include all Adapt this.

No. 2620 (Peters Var.)
 1050 8.9 1
 1051 8.6 2
 1052 8.7 3
 1053 8.6 3
 1054 8.8 2
 1057 9.1 1
 1056 9.5 5
 1059 9.4 4
 1061 9.1 1
 9.21.0
 9.00
 -0.4
 2.96

✓ 2551
~~No 2645~~ 9568 (6.2)

170 5.9 0 +1 45

175 6.8 +9 no reason

176 6.6 -3

177 [7.1] +12 no reason

178 [5.3] -6 no reason

307 6.3 +4 fg

309 5.7 -2

310 5.6 -3

717 5.7 -2

721 5.7 -2

724 6.7 -2

9) 80 (89
 72

✓ 2560
~~No 2645~~ 0549 (9.4)

491 [7.0] -20 fi +17 31

520 [9.6] +6 i

522 9.3 +3

692 9.0 0

693 9.2 +2

694 8.6 -4 fi

1054 8.6 -4 i g f

1062 9.0 0

1063 [9.5] +7 no reason

6) 537 (895
 480
 57
 30

✓
 5.9 +1 { 5.9 +2 { 5.9 +3

6.4 +10 [6.4] +11 [6.4] +12

5.6 -2 5.6 -1 5.6 0

[7.1] +13 [7.1] +14 [7.1] +15

5.3 -5 5.3 -4 5.3 -3

6.3 +5 6.3 +6 [6.3] +7

5.7 -1 5.7 0 5.7 +1

5.6 -2 5.6 -1 5.6 0

5.7 -1 5.7 0 5.7 +1

5.7 -1 5.7 0 5.7 +1

5.7 -1 5.7 0 5.7 +1

10) 52.3
 5.23

9) 51.5
 5.72

8) 45.2
 5.65

Adopt this +19

5.84 Cor. mean

5.72
 +1.12
 5.84

✓
 [7.0] -21 [7.0] -20 [7.0] -20

9.6 +5 9.6 +6 [9.6] +6

9.3 +2 9.3 +3 9.3 +3

9.0 -1 9.0 0 9.0 0

9.2 +1 9.2 +2 9.2 +2

8.6 -5 8.6 -4 8.6 -4

8.6 -5 8.6 -4 8.6 -4

9.0 -1 9.0 0 9.0 0

9.7 +6 [9.7] +7 [9.7] +7

7) 73.0
 9.12

7) 62.3
 9.04

6) 43.7
 8.95

Adopt this +24

9.19 Cor. mean

9.12
 +1.24
 9.36

✓ No 2681 HB 3373 (H.P. 4.6)

1043 4.6 -1

1052 [5.8] +11 igl

1054 4.8 +1

470

470 4.70
13 4.13
458 Cor. Mean

Repeat 1052 Adopt this.

✓ No 2741 H.P. 3459 (H.P. 5.0)

313 5.5 +4
1043 5.2 0

1044 5.2 0

1045 4.9 -3

45

5.22
-17
5.05 Cor. Mean

Includ all Adopt this.

✓ Repeated Stars

No 2728 19^h 45.1 +22.11

059 8.8 +5

061 8.8 -5

062 8.4 +1

066 9.3 0

067 9.2 -1

715
9.30

9.30
+26
9.56

Adopt this.

h.c. P. 2661.

170 6.0 +1 -1 +14 5

172 [6.6] +7 +5

176 5.9 0 -2

177 5.9 0 -2

3/17.8
5.93

4/24.4
6.10
+28
6.38

+24

6.17 Cor. Mean.

No 2772⁸

170 6.8 +4

171 7.0 +6 no reason

175 6.1 -3

176 6.2 -2

209 6.5 +1

310 6.3 -1

318 6.2 -2

626 6.6 +2

717 6.1 -3

719 5.9 -5 gf

721 6.6 +2

11) 723 (6.39

$$\begin{array}{r} 6.39 \\ +22 \\ \hline 6.61 \end{array}$$
6.39
+22
6.61 Com Mean.

Adopt this

✓

Include all

6.8 +5

[7.0] +7

6.1 -2

6.2 -1

6.5 +2

6.3 0

6.2 -1

6.6 +3

6.1 -2

5.9 -4

6.6 +3

$$\begin{array}{r} 10 \overline{) 63.3} \\ 6.33 \end{array}$$

$$\begin{array}{r} 6.33 \\ +22 \\ \hline 6.55 \end{array}$$

2590 (6.5)

V ✓ 2665 2665 20 64 + 47.30 ~ (9.3)

207 8.4 -1

711 8.3 -2 i

715 8.2 -3 igt

724 8.7 +2

727 8.9 +4

743 8.9 +4

747 Fast. Fi

1066 [9.4] +9 i

1067 [9.4] +9 no reason

695 8

697 8

698 8.1 -4

712 8.7 +2

$$\begin{array}{r} 6.42 \\ +22 \\ \hline 6.64 \end{array}$$

$$\begin{array}{r} 6.55 \\ +22 \\ \hline 6.77 \end{array}$$

Adopt this

✓ No 2823 HP3535 (6.0)

902 6.8 +4

907 6.8 -6

909 $\frac{6.5+1}{(3)}$

Include all $\frac{6.3}{-1}$
6.31 Cor. Mean
Adopt this

✓ 902 6.2 +2

907 [5.4] -2

909 6.5 -1

$\frac{2/1.3}{6.65}$
-6

6.59 Cor. Mean.

✓ ✓ 2732
No 2842 9.611 (4.5)

176 4.1 -4

178 4.3 -2

179 6.0 +5 no reason

180 4.5 0

181 4.3 -2

309 [2.7] -8 no reason

310 4.3 -2

812 [3.3] -12 no reason

321 4.5 0

499 4.4 -1

501 4.7 +2

613 $\frac{4.5}{4.6}$ 0

$\frac{4.46}{+24}$
4.70 Cor. Mean

Adopt this

lyrid 8.12 309.812

✓ No 2585⁶ HP 3737 (6.5) ✓ No 2067 HP 3916 - 61

905 6.3 +1

907 4.9 -3 i

909 [5.8] +7 i f

911 6.3 +1

5.17

$\frac{5.17}{-0.4}$
5.13 Cor. Mean

Reject 909

902 6.0 -1

911 6.2 +1

915 6.0 -1

6.07

hp. P. 29 ff.

905 5.3 -1

907 4.9 -5 f

909 5.9 +5 f

911 5.3 -1

~~5.3~~

~~5.3~~

x/21.4

5.35

-0.4

5.31

Adopt this

Adopt this

312 6.3 +2

313 6.4 +3

321 6.0 -1

902 6.3 +2

903 5.7 -4

907 5.7 -4

~~5.7~~

6.07

-0.5

6.02 = Cor. Mean

Adopt this

✓ No 3072

~~318 6.4~~~~517 6.4~~~~519 6.4~~~~521 6.4~~~~738 6.2~~~~760 7.6~~~~762 6.6~~~~885 6.6~~~~887 6.5~~

67

✓ No 3015⁸ 137747 (7.0)

315 [8.2] +12 mon season

318 6.6 -4

323 6.9 =1

327 7.0 0

511 6.9 -1

515 7.1 +1

517 7.3 +3

687

$$\begin{array}{r} 6.97 \\ +0.9 \\ \hline 7.06 \text{ Corr. Mean} \end{array}$$

Rejct 315

Adopt this.

✓ No 3083 AP3328 (H.P. 6.5)

902 6.2 = 1

907 6.1 = 3

910 6.8 + 5 i g

911 6.3 - 1
 $\frac{4}{16}$
 6.40

6.40
 $\frac{-17}{6.23}$ Corr. Mean

Include all Adapt Obs.

✓ No 3100 AP3949 (5.7)

906 5.8 0

903 5.7 = 1

907 14.8 - 10 i

5.75

5.75
 $\frac{-6}{5.69}$ Corr. Mean

Adapt Obs.

Reject 907

✓³ No 3124 H P 4003 (6.3) ✓²⁹⁹⁷ No ~~3125~~ B 7909 - (6)

903 64 -1

907 64 -1

910 7.4 +9 i g f

911 68 +3

$\frac{16}{53}$

$\frac{6.53}{-36}$

6.27 Com. Mean.

Repeat 910

Adapt this.

313 7.4 +5 no reason

315 6.9 0

318 6.4 -5 no reason

322 6.9 0

515 7.2 +3

517 7.4 +5 no reason

521 6.9 0

713 6.8 -1

715 6.6 -3

$\frac{9 \overline{) 85.94}}{61}$
40

$\frac{6.94}{-30}$
6.64

to include all Adapt this.

$\checkmark$ ³⁰⁰⁶
~~No 3143~~ B7930 - (6)
 322 6.8 -1
 324 7.5 +5 no reason
 325 7.6 +6 f r.
 380 6.8 -1
 515 6.7 -3
 517 7.2 +2
 713 6.8 -1
 715 6.7 -3
 720 6.8 -4
 90

$$\begin{array}{r} 7.00 \\ -1.5 \\ \hline 6.85 \text{ corr. Mean} \end{array}$$

Include all Adopt this.

$\checkmark$
 $\begin{array}{l|l} 6.9 & 0 \\ 7.5 & +6 \\ [7.6] & 7 \\ 6.9 & 0 \\ 6.7 & -2 \\ 7.2 & +3 \\ 6.9 & 0 \\ 6.7 & -2 \\ 6.6 & -3 \end{array} \quad \begin{array}{l} 6.9 +1 \\ [7.5] +7 \\ [7.6] +8 \\ 6.9 +1 \\ 6.7 -1 \\ 7.2 +4 \\ 6.9 +1 \\ 6.7 -1 \\ 6.6 -2 \end{array}$
 $\frac{2\sqrt{55.4}}{6.92} \quad \frac{715.9}{6.64} -15$
 $\underline{6.69}$

$\checkmark$ ³⁰¹⁸
~~No 3156~~ H4050 (6.0)
 313 6.1 +1
 322 [6.8] +9 no reason
 328 6.5 -5 i
 329 6.4 +4
 511 6.4 +4
 515 6.7 -3
 517 5.8 -1
 525 6.9 -1
 526 6.7 -3

$$\begin{array}{r} 527 \quad 6.0 \quad 0 \\ 9 \overline{) 86/96} \\ \underline{81} \\ 50 \end{array}$$

$$\begin{array}{r} 6.96 \\ +1.5 \\ \hline 6.11 \text{ corr. Mean} \end{array}$$

Adopt this.

Repeat 322

$$10/105$$

$$6.05$$

3029
 $\checkmark$ No 3167 F18 (5.9)

515 6.3 +1 -2.5 4.2

517 6.5 +3

521 6.1 -1

907 5.6 -6 i

910 6.4 +2

912 7.1 +9 f f

913 6.0 -2

915 5.7 -5 i f f

8) 497 (6.21

48
 160

$\checkmark$
 6.3 +2

6.5 +4

6.1 0

5.6 -5 i

6.4 +3

[7.1] +10 f

6.0 -1

5.7 -4 $\neq$
 7/42.6
 6.09

-15

5.94 = Cor. mean.

Adopt this last
 Correctly adjusted in U.P.
 Cat.

3030
 $\checkmark$ No 2169 H.P. 5.6

907 5.7 -6 i

910 6.7 +4 i f f -2.9 2.3

912 7.4 +11 i f f

913 6.1 -2

915 5.8 -5 i f f

5) 31.7 (6.34

30
 17
 120

$\checkmark$

5.7 -4 5.7 -2 i

6.7 +6 [6.7] +2 f i

[7.4] +13 [7.4] +15 f i

6.1 0 6.1 +2

5.8 -3 5.8 -1 f i

4) 24.3
 6.08

3) 17.6
 5.87

-2.8

Adopt 5.59 = Cor. mean

this, Correctly adjusted in U.P. Cat.

6.08
 -1.28
 5.80 Cor. mean.

✓ ³⁰³¹
No 3120 HP4068 H.P. + (6.1)

907 6.5-1

910 6.8+2 *igt* -23 20

912 7.2+6 *igt*

913 6.3-3

915 6.0-6 *igt*

$\begin{array}{r} 5 \overline{) 28} \\ 56 \end{array}$

6.56

$\begin{array}{r} 6.56 \\ -0.9 \\ \hline 6.47 \end{array}$

Adapt this.

Include all

✓

6.5 +1

6.8 +4

[7.2] +8

6.3 -1

6.0 -4

$\begin{array}{r} 6.0 \\ 4 \overline{) 16} \end{array}$

6.40

-0.9

6.31 Cor. mean

✓ ³⁰⁵⁵
No 3192 HP4083 (59)

910 6.7+6 *igt* -29° 22

913 6.1 0

915 5.8-3

916 5.8-3

$\begin{array}{r} 4 \overline{) 44} \\ 11 \end{array}$

$\begin{array}{r} 6.10 \\ -0.22 \\ \hline 5.88 \end{array}$

Adapt this.

Include all

✓

[6.7] +2

6.1 +2

5.8 -1

5.8 -1

$\begin{array}{r} 3 \overline{) 17.7} \\ 5.90 \end{array}$

5.90

-28

5.62 = Cor. mean.

✓ No 3199 HP4094 (H.P. 6.1)

910 6.8 + 4 i g f

913 6.4 0

916 6.2 - 2

918 6.0 - 4

$\frac{414}{35}$

$\frac{6.35}{-1.25}$
6.10

Include all Adopt this.

✓ No ³⁰⁹¹~~3250~~ ⁴ Lind 47 (9.5)

770 10.3 + 5 i g f

772 9.5 - 3

774 9.3 - 5 i

897 9.6 - 2

901 10.2 + 4 i

$\frac{5 \overline{) 3378}}{35}$
40

$\frac{9.26}{+2.22}$
10.05

Adopt this.

Include all

✓ 3122

✓ No 3261

515 ^{18.8} m519 ^{18.8} m

521 9.0 +2

525 9.0 +2

526 8.8 0

537 8.8 0

538 8.5 -2

755 8.6 -2

756 8.0 +2

760 8.2 -5 ✓

1045 8.8 0

1065 8.8 0

1066 8.6 -2

$$\begin{array}{r} 11 \overline{) 82.5} \\ 77 \\ \hline 50 \end{array}$$

Include all

✓ 645 (2.8)

$$\begin{array}{r} 2.75 \\ + 1.17 \\ \hline 2.92 \end{array}$$

Adopt this

✓ 3138

✓ No 3322 H Porsu (6.6)

203 6.8 +1

322 6.8 +2

-24 42

326 6.6 -1

912 [7.7] +10 igt

914 7.1 +4

916 6.8 +1

918 6.0 -2 igt

$$\begin{array}{r} 6.42 \\ 7 \end{array}$$

$$\begin{array}{r} 6.70 \\ - 1.12 \\ \hline 6.58 \end{array}$$

Adopt this

✓

6.8 0

6.9 +1

6.6 -2

[7.7] +9

7.1 +3

6.8 0

[6.0] -2

$$\begin{array}{r} 34.2 \\ 6.8 \times \\ - 12 \end{array}$$

6.8

-12

6.72 = Cor. mean.

Discordant Stars.
Miscellaneous.

IV 2.

7.7

7.5

7.4

6.9

6.3

6.0

6.2

7.6

Idem. by compo.

No reason for
discrepancy found.

IV 2.

n.s.

7.9

Idem. by compo.

n.s.

6.7

7.9

Idem. by compo.

n.s.

9.1

6.9

6.6

No. apparent
reason for discordance.

N. Star.

