

KG
11366
v. 670

Bright Double Stars
Working List

$$\begin{array}{r}
 16^h \ 24^m \ 10.^s \quad + 45^o \ 51' \\
 + 36. \\
 \hline
 16 \ 24 \ 46.^s \quad + 45 \ 42'
 \end{array}$$

$$\begin{array}{r}
 1.442^{\circ} \\
 1.792^{\circ} \\
 \hline
 .044 \\
 .4 \\
 \hline
 .0352
 \end{array}$$

$$\begin{array}{r}
 1.442 \\
 \hline
 1.442
 \end{array}$$

$$\begin{array}{r}
 1.442 \\
 \hline
 1.442
 \end{array}$$

$$\begin{array}{r}
 1.442 \\
 \hline
 36.140
 \end{array}$$

$$\begin{array}{r}
 -7.24 \\
 20. \\
 \hline
 156.40
 \end{array}$$

Double Stars.

6 ^h 57.0	-25° 4'	= -25° 39'11, 39'14	P.A. 120° Dist. 2.7 (6.0, 9.1)
12 22.7	+12 56 +19 5	= Σ 1657 = 24 Comae Ber.	P.A. 290° Dist. 20.0 (4.7, 6.2)
16 22.2	+45 50	= Σ 2063 = H IV 62	P.A. 195° Dist. 16.0 (5.7, 2.2)
12 30.6	+4 51	= Σ 2342 = 55 Tauri P.A. B.	P.A. 12° Dist. 25.0 (5.2, 2.5)
19 23.6	+24 22	= Σ 42' = 6, 2 Vulpec.	P.A. 30° Dist. 6.6 (4.5, 0.8)
19 25.7	+27 42	= Σ 43' = β Cygni	P.A. 60° Dist. 0.6 (3.1, 5.3)
19 32.5	+50 15	= Σ 46' = 16 Cygni	P.A. 130° Dist. 30.0 (5.5, 5.7)
20 5.5	+20 37	= Σ 2637 = θ Sagittae	P.A. 320° Dist. 11.0 (5.9, 2.4)
20 9.6	+46 22	= Σ 50' = α , α^2 Cygni	P.A. 320° Dist. 5.0 (3.5, 5.0)
20 34.9	+32 17	= #129 (Comstock's List) = Σ 2700	P.A. 330° Dist. 0.4 (6.2, 2.2)
23 56.2	+26 34	= #225 " " = α 5 Pegasi	P.A. 340° Dist. 0.7 (5.2, 9.1)

218.

Struss' Double Stars. brighter star 6.0 and brighter
or fainter star and 2^d " 7.0 " "

Σ.	Name.	R.A. 1875	Dec. 1875	Dist.	a. mag	B. mag	Diff. a-B.	K.P. mag.	m.P. mag.	m.P. mag.	
13 ^{II}	α Androm.	0 ^h 1.9	+28° 24'	65.0	2.0	11.2		2.1		2.2	
2	Ceph 316.B.	2.5	+79 1	0.8	6.3	6.6					
5	34 Pric.	3.6	+10 26	8.0	6.0	10.5		5.4		5.7	
36	51 Pric.	25.8	+6 15	27.4	5.0	9.0	3.6	5.7		5.5	V V
46	55 Pric.	33.4	+20 45	6.4	5.0	8.2	3.3	5.5			V 1901-1-4 V 1909-1-16 V Jan. 1, 96 V Dec. 23, 93 V Jan. 4, 1901 V Dec. 11, 97
1'	P.O. 175, 176	39.7	+30 19	46.4	6.7	6.7			7.4		
60	η Cassiope.	41.3	+57 9	9.7	4.0	7.6	3.8	3.6		3.6	
61	65 Pric.	43.1	+27 3	4.4	6.0	6.0		5.6			
73	36 Androm.	48.2	+22 57	0.8	6.2	6.8		5.4		5.8	
79	Andr. 164 B.	53.0	+44 5	7.6	6.0	7.0					V
88	ψ' Pric.	58.9	+20 48	29.9	4.9	5.0	1.2	5.0			V Jan. 1, 96 V Dec. 12, 94 V Dec. 23, 93 V Jan. 1, 96 V Dec. 1, 94 V Jan. 23, 94
90	77 Pric.	59.2	+4 15	32.8	5.9	6.8		6.1	6.6	6.3	V
99	φ Pric.	1 7.0	+23 56	8.0	4.7	10.1	5.1	4.6			V Jan. 1, 96 V Dec. 12, 94 V Dec. 23+29, 93 V Jan. 1, 96 V Sept. 12, 94 V Dec. 27, 93
100	3 Pric.	7.1	+6 55	23.5	4.2	5.3	1.0	5.0			
3'	37 Ceti.	8.1	-8 36	50.1	5.1	7.0		5.0			
93	2 Ura. Min.	13.0	+88 39	18.3	2.0	9.0		2.2	2.0		
117	ψ Cassiope.	16.9	+67 30	32.2	4.4	8.9		4.8			V Sept. 12, 94
131		25.4	+60 3	13.6	6.0	9.2			8.2		
147	χ' Ceti.	33.5	-11 55	4.0	5.3	6.9					
145	P.O. 145.	34.3	+25 8	11.3	6.0	10.6		6.1	6.6		
180	γ Anetis	46.6	+18 42	8.6	4.2	4.4	1.1	4.3		4.0	V Dec. 1, 94
182		47.9	+60 41	3.6	7.0	7.0					
4'	56 Androm } P.O. 203 }	48.7	+36 39	177.5	6.0	6.0		5.8			V V V
201	3 ε Triang.	55.5	+32 41	3.7	5.3	11.3		5.4			
202	α Pric.	55.5	+2 9	3.6	2.8	3.9	.9	4.0		4.0	
205	γ Androm.	56.3	+41 44	10.3	3.0	5.0	2.8	2.1			V V
227	2 Triang.	2 5.2	+29 43	3.6	5.0	6.4	1.6	5.3			
231	66 Ceti.	6.4	-3 1	15.5	6.0	7.8		5.6			Dec. 26, 93. V V V Jan. 19, 20, 94
262	2 Cass. 35 Nev.	18.8	+66 51	1.9	4.2	7.1		4.6			

94.

27-40

No.	Name	R.A. 1875	Dec. 1875	Dist.	a. mag	B. mag	Diff. a+B	H. P. mag	Obj. I. M.P. mag	Obj. II. M.P. mag	
279	H.W. 47	2 ^h 27.8	+36° 46'	16.9	6.0	11.0	..	6.0	..	..	[Jan. 95]
281	v Ceti.	28.2	+5 2	7.7	5.0	9.6	4.6	4.9	..	5.1	v Jan. 15, 1896. Jan. 19 + 22, '94. Jan. 14, '98. Jan. 23, '94.
289	33 Anetis.	33.3	+26 31	28.5	5.8	8.7	..	5.4	..	..	+5. +5.
295	84 Ceti.	34.8	-1 14	4.9	6.0	9.2	..	..	..	5.7	
296	θ Persei	35.7	+48 43	15.4	4.2	10.0	5.6	4.2	..	..	v v
299	γ Ceti	36.7	+2 42	2.6	3.0	6.8	2.5	3.6	..	3.7	
307	η Per.	41.6	+55 23	28.0	4.0	8.5	4.7	3.9	..	..	v Oct. 26, '95. Jan. 22, 1894.
311	π anetis.	42.1	+16 58	3.3	4.9	8.4	..	5.6	..	5.3	
318	20 Per.	45.6	+37 49	14.1	5.5	10.0	..	5.4	..	..	v Oct. 28, '95. v
331	P. II 220.	57.9	+51 52	12.2	5.3	6.7	..	5.1	..	..	v Oct. 20, '94. +0. +0.
333	ε Anetis.	52.2	+20 49	0.5	5.7	6.0	..	4.6	..	4.6	
346	52 Anetis	58.1	+24 44	0.7	6.0	6.0	..	5.3	..	..	v Jan. 16, 1898.
6'	Ceti. 499 B 3	3.1	+7 2	81.0	7.0	7.0	..	..	..	..	v
385	Camel 2 Her.	18.9	+59 30	2.4	4.7	9.0	4.1	4.2	..	..
390	Camel 4 Her.	20.5	+55 1	15.0	4.8	9.2	4.6	5.0	..	..	v Jan. 30, '96. Oct. 25, '95.
401		23.8	+27 8	11.1	6.5	7.0	..	5.8	..	..	v Mar. 9, '95 Jan. 9, '96. Nov. 7, '94. v Jan. 23, '94.
412	7 Tauri	27.0	+24 3	0.7	6.6	6.7	..	5.9	..	..
422	P. III. 98	30.8	+0 12	6.1	6.0	8.2	..	..	6.2	..	
430	39 Tauri B.	34.0	+4 44	26.6	6.0	9.0	..	..	6.8	..	[Dec. 6, '92] Oct. 20, '94. v Jan. 19 + 22, '94.
431	o Per = N III 39	34.5	+33 34	20.0	4.2	9.5	4.8	5.0	..	5.0	Mar. 27, 29, 31. Mar. 24, '93. Mar. 21, '96.
8'	γ Pleiad,	40.1	+23 44	117.2	3.8	7.0	3.3	3.0	..	2.9	v Dec. 22, '96. v Jan. 19, '96. v Jan. 7, 1901.
452	30 Tauri	41.2	+10 46	8.9	4.5	9.6	4.1	5.1	..	4.8	v Dec. 7, 1901.
453	Antar. Pleia.	41.8	+23 39	0.8	5.0	8.0	..	3.8	..	..
464	3 Per.	46.3	+31 30	12.5	2.7	9.3	6.3	3.1	..	..	v
470	32 Erid. N II 36	48.1	-3 18	6.7	4.0	6.0	1.4	4.8	..	..	v
460	Ceph. 49 Her.	49.3	+80 21	0.9	5.2	6.1	..	5.2	5.2	..	
471	ε Per.	49.5	+39 39	8.8	3.1	8.3	4.9	3.0	..	..	v
485		56.9	+62 1	18.0	6.1	6.2	..	..	..	..	Mar. 11, '95 Oct. 17, '95 v Mar. 9, '95 v Mar. 20, '94.
495	179 Tauri B. 4	0.6	+14 49	3.6	6.0	8.8	..	..	6.0	..	

Tab. 2y.	Mean	Cor.	Reside.	Tab. 2y.	Mean	Cor.	Reside.	Tab. 2y.	Mean	Cor.	Reside.	Final
+5.7 +5.6 +5.8	5.70		0 1 1	+5.9 +6.1 +5.8	5.93		0 2 1	+5.6 +5.8 +5.8	5.73		1 1 1	
+5.9 +5.9 +5.4	5.73	3.72	2 2 3	+5.9 +5.9 +5.8	5.87	3.90	0 0 1	+5.7 +5.7 +5.8	5.73	3.73	0 0 1	3.78 ⁶ / ₁₀
+6.6 +6.7 +6.8	6.70		1 0 1									
+6.7 +6.6 +6.8	6.70	4.70	0 1 1									
+0.6 +0.8 +0.7	0.70		1 1 0									
+0.8 +0.8 +0.7	0.77	1.26	0 0 1									
+2.2 +2.3 +2.4	2.30		1 0 1									
+2.3 +2.3 +2.2	2.27	0.28	0 0 1									
+5.0 +5.0 +4.9	4.97		0 0 1									
+5.1 +4.9 +5.0	5.00	2.98	1 1 0									
-2.8 -2.8 -2.80	4.95		0 0	-3.0 -3.0 -3.00	4.92	0 0	-3.1 -3.2 -3.15	5.08	1 0			
-3.3 -2.9 -3.10			2 2	-2.8 -2.9 -2.85		0 1	-2.9 -3.1 -3.00		1 1	4.98 ² / ₁₀		
+2.0 +2.1 +2.0	2.03		0 1 0									
+2.1 +2.1 +2.1	2.10	0.06	0 0 0									

4'8"-5'16"

Mr. &	Name.	R.A. 1875.	Dec. 1875.	Dist.	a. mag.	B. mag.	Dist. a+B.	H.P. mag.	Pat. I m.p. mag.	Pat. IV m.p. mag.	
516	39 Erid.	4	8.3 -10 35	6.3	6.0	9.0	3.7	4.9	5.4	..	V 1901, 15
518	40 Erid.		9.6 -7 48	85.3	4.0	9.1	5.3	4.5	..	..	V 1900, 116
528	χ Tauri.	15.1	+25 20	19.3	5.7	7.8	..	5.5	..	..	V Nov. 20, '94. Nov. 22, '96. V Oct. 12, '93, Jan. 31, '94. V Nov. 10, '94, Apr. 12, '95. V Oct. 29, '94, Nov. 8, '96.
533	H V 72	16.3	+33 58	19.5	6.0	7.5	..	?	..	7.0	V Mar. 20, '94, '96.
9'	κ ' κ ' κ ' Tauri.	17.9	+21 59	339.3	5.0	6.0	..	4.6	..	..	V
548		21.1	+30 5	142.0	6.0	8.0	..	6.2	6.3	..	V Mar. 20, '96. Mar. 21, '96. V Jan. 30, '96.
10'	θ ' θ ' θ ' Tauri.	21.4	+15 38	337.4	4.7	5.0	..	3.9	..	..	V
550	1 Camel.	22.3	+53 38	10.1	5.1	6.2	..	5.5	..	..	V Nov. 6, '95. Mar. 9, '95. V Mar. 20, '94. Mar. 16, '95. Mar. 9, '95.
552	H.W. 44	22.7	+39 43	9.0	6.3	6.5	..	..	6.3	..	V Mar. 20, '94.
559	H.W. 132	26.3	+17 45	3.0	7.0	7.0	..	..	..	..
2 nd	2 Tauri = H VI 66.	28.7	+16 16	109.0	1.0	11.2	9.5	1.0	..	1.1	
566	2 Camel.	29.9	+53 15	1.6	5.1	7.4	..	5.5	..	..
572	4 Andr. B.	30.6	+26 40	3.2	6.5	6.5	..	..	..	..
11'	δ ' δ ' δ ' Tauri.	32.1	+15 37	427.7	5.2	5.7	..	5.1	..	..	V 1900, 11.7. Jan. 14, '95.
590	55 Erid.	37.8	-9 1	9.1	6.2	6.7	..	6.0	..	..	V Nov. 6, '94.
610	7 Camel.	47.2	+53 32	25.6	4.2	11.3	6.2	4.5	..	4.4	
616	W Aur.	50.6	+37 43	6.5	4.0	7.9	2.6	5.1	..	..	V Mar. 27, '93, Mar. 29, '91. Oct. 26, '93, Mar. 28, '96. Oct. 26, '93.
12'	323 Tauri B.	53.9	+26 31	78.8	6.0	7.0	..	..	..	..	V Oct. 26, '93. Nov. 10, '94. Nov. 11, '94.
627		53.9	+3 26	21.3	6.3	7.0	..	6.0	..	6.2	V Oct. 20, '94. Mar. 27, '93, '95.
13'	11+12 Camel.	55.1	+58 49	181.3	5.0	6.0	.8	5.1	..	6.4	V Mar. 27, '93, Mar. 28, '96.
644		5	1.9 +37 9	1.6	6.7	7.0	..	..	..	..
634	Camel. 19 Her.	2.1	+79 4	34.0	4.5	7.9	3.7	5.1	..	..	V Oct. 25, '95. Mar. 27, '94, '93.
655	Sepor	6.6	-12 1	12.8	4.2	10.5	4.9	4.7	..	..	V 1901, 1.3 Mar. 24, '96.
654	ρ Orionis	6.7	+2 45	7.1	4.7	8.5	3.9	4.5	..	4.8	V Mar. 5, '93. Apr. 5, '93.
653	14 Aur.	7.3	+32 33	14.7	5.0	7.2	3.0	5.2	..	..	V Mar. 25, '93, '93. Apr. 17, '93.
661	κ Sepor.	7.4	-13 5	3.1	5.0	7.9	2.6	4.6	..	4.4	
668	β Orionis.	8.6	-8 21	9.1	1.0	8.0	6.3	0.3	..	0.4	
3 rd	λ Aur. H V 22	10.3	+40 0	103.6	5.2	8.7	..	5.0	4.8	..	V Mar. 20, '96. Mar. 21, '96. Nov. 10, '94.
696	23 Orionis	16.1	+3 24	31.7	5.0	7.0	2.1	5.0	..	5.1	V Nov. 2, '94, Nov. 6, '94.

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	Tab. Ly.	Mean	Cor.	Reside.	Tab. Ly.	Mean	Cor.	Reside.	Tab. Ly.	Mean	Cor.	Reside.	Final Mean	Final Reside.						
4.	-1.2	-1.1	-0.8	-1.03	3.08	2.12	+3.9	+4.9	+4.7	4.50	2.55	6.42	-0.8	-0.6	-0.6	-0.67	2.72	1.11	2.78	30.206
31, 74.	-1.2	-1.0	-1.2	-1.13	1.11	1.11	+4.4	+4.7	+4.7	4.60	2.11	-0.8	-0.8	-0.7	-0.77	0.01	0.01	0.01	0.01	0.01
12, 74.	+1.1	+0.6	+0.9	0.87	1.16	2.30														
18, 74.	+0.8	+0.8	+0.8	0.80	0.00	0.00														
	+1.2	+1.1	+1.1	1.13	0.97	1.00														
	+0.9	+1.0	+0.9	0.93	0.10	0.10														
	+1.7	+1.5	+1.6	1.60	0.42	1.10														
	+1.6	+1.5	+1.6	1.57	0.10	0.10														
	-0.7	-0.5	-0.60	2.65	1.1	-0.8	-0.7	-0.75	2.72	0.1	-0.7	-0.7	-0.70	2.82	0.0	0.0	2.73	8.19		
29, 31, 28, 74.	-0.7	-0.7	-0.70	0.0	0.0	-0.6	-0.8	-0.70	1.1	-1.0	-0.9	-0.95	0.0	0.1	2.73	8.19				
75.	1.6	1.6	1.60	0.45	0.0	1.5	1.5	1.50	0.58	0.0	1.2	1.3	1.25	0.65	0.1	0.56	9.29			
37, 74.	1.5	1.5	1.50	0.0	0.0	1.3	1.4	1.35	1.0	1.5	1.4	1.45	1.0	1.0						
31, 74.	-1.3	-1.5	-1.40	3.42	1.1	-1.3	-1.5	-1.40	3.32	1.1	-1.2	-1.5	-1.35	3.45	2.1	3.40	2.85			
5, 74.	-1.5	-1.4	-1.45	1.0	1.0	-1.2	-1.3	-1.25	0.1	-1.5	-1.6	-1.55	1.0	1.0						
	-1.4	-1.4	-1.40	3.48	0.0	-1.8	-2.1	-1.95	3.85	2.1										
	-1.6	-1.5	-1.55	0.1	0.1	-1.7	-1.8	-1.75	1.0											
43.	-0.8	-0.7	-0.73	2.73	1.00	-0.7	-0.7	-0.70	2.78	0.0	-1.2	-1.1	-1.15	2.95	0.1	2.82	9.4, 13			
	-0.8	-0.8	-0.8	1.11	0.0	-0.8	-0.9	-0.85	0.1	-0.7	-0.8	-0.75	1.0	1.0						

21° - 6°50'

R. A.	Name.	R. A. 1975	Dec. 1975	Dist.	a. mag.	B. mag.	Diff. a+B	14 P. mag.	Top 1 m.p. mag.	Top 12 m.p. mag.	
716	118 Tauri	5 ^h 21.6	+25° 3'	4.9	5.8	6.6	..	5.4	5.5	..	✓
725	31 Orionis.	23.2	-1 11	12.7	5.8	11.0	..	4.9	..	..
728	32 Orionis	24.0	+5 51	1.0	5.2	6.7	..	4.3	..	4.2	
729	33 Orionis.	24.6	+3 12	1.9	6.0	7.3	..	5.5	..	..
730		25.1	+16 59	9.8	6.5	7.0	..	5.5	..	..	✓
14'	5 Orionis.	25.6	-0 23	52.7	2.0	6.8	..	2.4	..	..	✓
738	λ Orionis.	28.3	+9 51	4.2	4.0	6.0	..	3.5	..	3.5	✓
747	133 Orion B.	29.0	-6 6	36.8	5.6	6.5	..	4.5	..	4.9	✓
16'	θ ² Orionis.	29.2	-5 30	52.8	4.8	6.1	1.5	4.4	4.0	5.1	✓
750		29.3	-4 27	4.3	6.0	8.0	..	..	..	..	✓
752	2 Orionis.	29.4	-6 1	11.3	3.2	7.3	4.5	3.0	..	..	✓
753	26 Aur.	30.4	+30 26	12.3	5.8	8.0	3.0	5.6	..	..	✓
762	σ Orionis	32.5	-2 41	11.0	4.1	10.3	..	3.7	..	..	✓
764	HN. 75	33.3	+29 27	25.9	6.3	6.8	..	..	..	..	✓
774	3 Orionis.	34.6	-2 2	2.3	2.0	5.7	..	1.9	..	..	✓
795	32 Orionis	41.2	+6 29	1.7	6.2	6.2	..	5.3	..	5.2	✓
845	41 Aur.	6 2.0	+48 44	8.0	5.2	6.4	..	5.6	..	..	✓
855		2.2	+2 31	29.3	5.8	6.8	..	5.5	..	..	✓
872		7.1	+36 12	11.0	6.0	7.0	..	..	..	..	✓
900	8 Monoc.	17.1	+4 40	13.9	4.0	6.7	2.2	4.4	..	4.4	✓
919	11 Monoc.	22.7	-6 56	7.3	5.0	5.5	..	3.9	..	..	✓
921	HN. 2	24.2	+11 22	16.3	6.0	8.2	..	..	..	..	✓
924	20 Gem.	25.0	+17 52	20.0	6.0	6.9	..	..	..	6.7	✓
950	15 Monoc.	33.8	+10 1	2.8	6.0	8.8	..	4.6	4.7	4.8	✓
948	12 Sgr.	35.1	+59 35	1.5	5.2	6.1	..	4.7	..	..	✓
958	26 II 72	38.7	+55 50	5.1	6.0	6.0	..	..	7.4 ⁸	..	✓
963	14 Sgr.	42.0	+59 34	0.9	5.9	7.1	..	5.4	..	..	✓
982	38 Gem.	47.7	+13 21	5.7	5.4	7.7	..	4.8	..	..	✓
997	for Com. Mag.	50.2	-13 53	3.2	4.7	8.0	2.3	5.2	..	..	✓

Tab. 2y. Mean Cor. Results Tab. 2y. Mean Cor. Results Tab. 2y. Mean Cor. Results Final Mean Final Results

19.93
 24.90
 4/19 00
 -0.9 -1.1 -1.00 3.00 1 1
 -1.0 -1.0 -1.00 0 0 -0.9 -0.9 -0.90 2.88 0 0
 -0.9 -0.8 -0.85 1 0

95. 1.3 1.3 1.4 1.33 0.67 0 0 1
 1.3 1.4 1.3 1.33 0 1 0

3. -0.1 -0.1 -0.10 2.00 0 0 +0.1 +0.1 +0.10 1.88 0 0 0.0 -0.1 -0.1 -0.07 1 0 0
 4. +0.1 +0.1 +0.10 0 0 +0.3 0.0 +0.15 1 2 -0.1 +0.1 0.0 0.00 2.04 1 1 0 1.97, 397

194. 1.4 1.5 1.5 1.47 0.56 1 0 0 1.4 1.5 1.5 1.47 0.58 1 0 0
 1.3 1.4 1.5 1.40 1 0 1 1.4 1.3 1.4 1.37 0 1 0

55°-10'2"

N.E.	Name	R.A. 1875	Dec. 1875	Dist.	A. mag.	B. mag.	Diff. A-B	14.P mag.	M.P mag.	M.P mag.	M.P mag.
1009	θ^1 301	6	55.8	+52 57	2.9	6.7	6.8	..	..	..	..
1061	λ Gem.	7	10.8	+16 46	9.6	3.2	10.3	6.0	3.6	..	.. Apr. 19, '93.
1055	47 Camel.	11.1	+60 8	2.4	6.0	10.5	..	..	6.3	6.3	..
1066	δ Gem.	12.5	+22 12	7.1	3.2	8.2	4.5	3.6	..	..	.. Apr. 18, 24, 26 1893.
1062	19 Sgr.	12.7	+55 31	14.7	5.3	6.6	..	5.2	..	..	.. May 11, '94.
1065	20 Sgr.	12.7	+50 23	15.0	6.6	6.8	..	6.6	6.7	..	.. Dec. 13, '94.
1110	Laetia	26.6	+32 9	4.4	2.7	3.7	..	1.6	..	..	.. May 11, '94.
5 ^{II}	Pollux = β Vir.	37.7	+28 19	203.8	2.0	11.0	..	1.1	..	..	.. Jan 8, '96.
1135	π Gem.	39.4	+33 42	22.6	4.9	11.0	5.6	5.4	..	..	.. Apr. 19, '93.
1138	2 Navis.	39.7	-14 23	16.5	6.2	7.0	..	..	..	5.6	.. Feb. 3, 1900.
1146	5 Navis.	42.1	-11 53	3.3	5.3	7.4	..	5.4	..	..	..
1183		59.9	-8 53	31.0	5.5	7.8	..	5.8	..	..	.. Dec. 15, '94.
1190	29 Monoc. 8	2.3	-2 37	31.6	6.0	11.7	..	4.5	..	..	.. Dec. 20, '94.
1196	3 Camel.	4.9	+18 2	1.1	5.0	5.7	..	4.7	..	4.6	.. Apr. 25, '93.
1193	126 Camel B.	6.6	+72 49	44.4	6.0	9.0	..	..	..	..	.. May 9, '93.
1223	φ^2 Camel.	19.3	+27 21	4.6	6.0	6.5	..	5.5	..	..	.. Mar. 11, '96.
1224	ν^1 Camel.	19.4	+24 56	5.8	6.0	7.1	..	..	6.7	..	.. Oct. 25, '95.
1245	ρ^1 108.	29.1	+7 4	10.3	8.6	7.0	..	5.7	..	..	.. May 13, '95.
1268	48 Camel.	39.0	+29 13	30.5	4.4	6.5	2.5	4.2	..	..	.. Apr. 23, '94.
1273	ϵ Hyd.	40.2	+6 54	3.2	3.8	7.8	3.2	3.6	..	3.4	.. Mar. 27, 29, '93.
1282	130 Sgr B.	42.9	+35 30	3.4	7.0	7.0	..	..	..	..	.. 193.
1291	ζ^2 Camel.	46.5	+31 4	1.5	5.9	6.4	..	5.5	..	5.8	..
1306	σ^2 Urs. Maj.	59.5	+67 39	4.6	5.0	8.2	3.3	4.8	..	4.9	..
1333		9	10.7	+35 53	1.4	6.6	6.9	..	..	5.7	..
1334	38 Sgr.	10.9	+37 20	2.7	4.0	6.7	1.8	3.8	..	..	..
1356	W. Scania	21.6	+9 38	1.0	6.2	7.0	..	5.6	..	5.4	..
1351	23 ^a Urs. Maj.	21.7	+63 36	22.8	3.8	9.0	5.3	3.7	..	..	.. Apr. 25, '93.
1362		26.0	+73 38	4.9	7.0	7.0	..	..	..	..	.. May 8+9 '93.
6 ^{II}	Regulus.	10	1.7	+12 35	176.9	1.5	8.4	1.4	..	1.2	..

Tab. 2y. Mean ^{Cor.} Mean Reside. Tab. 2y. Mean ^{Cor.} Mean Reside. Tab. 2y. Mean ^{Cor.} Mean Reside. Final Mean Final Reside

-4.0 -4.6 -4.30 6.22 3 3
-4.0 -4.3 -4.15 2 1

26

-2.8 -2.7 -2.75 4.58 0 1 -2.6 -2.5 -2.6 -2.57 4.47 0 10 -2.7 -2.3 -2.4 -2.47 4.50 2 2 1 4.52 6.52
-2.4 -2.4 -2.40 0 0 -2.5 -2.4 -2.2 -2.37 1 0 2 -2.6 -2.7 -2.3 -2.53 1 2 2
3.1 3.0 2.9 3.00 0.98 1 0 1
3.0 3.0 2.9 2.97 0 0 1
2.2 2.2 2.1 2.17 0.14 0 0 1
2.1 2.0 2.2 2.10 0 1 1

-4.2 -3.5 -3.85 5.55 4 3
-3.2 -3.3 -3.25 0 1

1.1 1.2 1.0 1.10 0.96 0 1 1 1.0 1.0 1.4 1.13 0.87 1 1 3
1.0 1.0 0.9 0.97 0 0 1 1.2 1.1 1.1 1.13 1 0 0

3.146
3.346
2.746
3.046

+1.2 +0.9 +0.9 1.00 1.16 2 1 1
+0.7 +0.7 +0.6 0.67 0 0 1

-3.3 -3.6 -3.4 -3.43 5.58 1 2 0 -3.5 -3.8 -3.9 -3.73 5.53 2 1 2 -3.8 -3.3 -3.2 -3.43 4 1 2
-4.0 -4.0 -3.2 -3.73 3 3 5 -3.6 -3.3 -3.1 -3.33 3 0 2 -3.2 -3.3 -3.2 -3.23 0 1 0 5.48 10.5 15

0°7'-12°35'

W. S.	Name.	R.A. 1875	Dec. 1875	Dist.	a. mag.	B. mag.	Diff. a + B.	1 + P. mag.	M.P. mag.	IV M.P. mag.	
1415	26 W. 145	10	7.8 +71° 41'	16.7	6.1	7.0	..	..	..	..	✓ Dec. 23, '97
18'	γ 35 Scoria		9.6 +24 6	314.4	3.8	6.0	2.0	3.6	..	..	✓ Apr. 27, 196. May 8, 193. June 1, 193. Apr. 27, 196.
1424	γ Scoria.		13.1 +20 29	2.5	2.0	3.5	1.2	2.2	..	..
1450	49 Scoria		28.4 +9 16	2.4	6.0	8.7	..	5.7	5.7	5.7	
1487	54 Scoria		48.8 +25 26	6.2	5.0	7.0	1.9	4.3	..	..	June 1, '93.
1495	26 V. III.		52.0 +59 35	34.5	6.0	8.3	..	..	7.3	..	Apr. 27, 196. May 8, 193. June 1, 193. July 7, '93.
1523	ε Ura. Maj.	11	11.5 +32 14	1.7	4.0	4.9	.5	3.8	..	..	✓ July 1, '93.
1524	ν Ura. Maj.		11.8 +33 46	7.1	3.7	10.1	5.5	3.8	..	3.7	
1536	ν Scoria		17.3 +11 13	2.2	3.9	7.1	2.7	4.0	..	3.9	
38> 19'	τ Scoria.		21.5 +3 33	94.8	5.0	7.0	2.7	5.1	..	5.1	✓ May 10, 11, '93. June 7, '93.
1543	57 Ura. Maj.		22.4 +40 1	5.4	5.2	8.2	..	5.2	5.2	..	
1552	90 Scoria.		28.1 +17 30	3.0	6.0	7.3	..	5.7	..	..
1556	PXI III		29.8 +28 28	1.2	6.4	6.8	..	5.8	..	..
1560	PXI 126		31.9 -1 43	5.1	6.0	10.2	..	..	..	..	May 27, 196.
1561	210 Ura. Maj.		32.2 +45 46	10.5	5.9	8.0	..	..	6.4	..	✓ July 6, '93.
7 ^{II}	93 Scoria.		41.5 +20 55	74.3	4.7	8.4	4.3	4.6	..	..	May 24, June 1, '93. June 29, '93.
1579	65 Ura. Maj.		48.4 +47 11	3.7	6.0	8.3	..	5.8	..	..
20'	{ 65 Ura. Maj. fine + folk.		48.6 +47 10	62.9	6.1	6.5	35.6	..	..	..	✓ July 7, '93.
1596	2 Com. Ber.		57.9 +22 10	3.7	6.0	7.5	..	5.7	..	..
3123			59.7 +69 22	0.3	7.0	7.0	..	..	..	7.1	
1606		12	4.4 +140 35	1.4	6.3	7.0	..	..	..	..
1615			7.8 +33 30	26.9	6.0	8.2	..	..	..	..
1622	2 Can. Penat.		9.7 +41 20	11.4	5.7	8.0	..	6.0	..	..	✓ July 7, '93.
1625			10.2 +80 50	14.3	6.5	7.0	..	..	6.7	..	
1627	PXI, 32, 33.		11.6 -3 13	20.1	5.9	6.4	..	6.0	..	..	✓ May 21, '94.
21'	{ 17 Com. Ber. + PZI 96		22.6 +26 36	145.4	4.8	6.0	1.4	5.2	..	..	✓ June 7, '93. " 26, 30 '93. June 7, '93.
1657	24 Com. Ber.		28.7 +19 5	20.4	4.7	6.2	1.6	5.0	..	5.2	✓ " 20, 26, 30, '93.
1669	58 Can. B.		34.8 -12 17	5.4	6.5	6.5	..	5.3	..	..
1670	γ Virginie		35.3 -0 45	2.4	3.0	3.0	..	2.8	..	2.9	

Tab. 2y. Mean Cor. Residual Tab. 2y. Mean Cor. Residual Tab. 2y. Mean Cor. Residual Final Mean Final Residual

+0.3 +0.3 +0.3 0.30 1.62 0 0 0 0.3 0.4 0.4 0.37 1.68 1 0 0 0.3 0.2 0.3 0.27 1.76 0 1 0 1.69 7, 1, 7
 +0.5 +0.6 +0.3 0.47 0 1 2 0.3 0.3 0.2 0.27 0 0 1 0.1 0.1 0.4 0.20 1 1 2
 0.4 0.2 0.4 0.33 1.64 1 1 1 3.8 3.6 3.7 3.70 1 1 0
 0.4 0.4 0.4 0.40 0 0 0 3.6 3.5 3.6 3.57 0 1 0

-0.5 -0.7 -0.3 -0.50 2.48 0 2 2 -0.5 -0.7 -0.5 -0.57 2.42 1 1 1 -0.5 -0.3 -0.3 -0.37 1 1 1 2.41 7, 1, 7
 -0.7 -0.7 0.0 -0.47 2 2 5 -0.3 -0.3 -0.2 -0.27 0 0 1 -0.2 -0.2 -0.5 -0.30 1 1 2

0.4 0.2 0.5 0.37 1.62 0 2 1
 0.6 0.2 0.4 0.40 2 2 0

1.5 1.5 1.6 1.53 0.45 0 0 1
 1.6 1.6 1.5 1.57 0 0 1

-0.9 -1.1 -1.0 -1.00 2.98 1 1 0
 -0.9 -1.1 -0.9 -0.97 1 1 1

1.8 1.7 1.7 1.73 0.32 100
 1.5 1.7 1.7 1.63 1 1 1
 0.7 0.7 0.8 0.73 0 0 1 0.7 0.7 0.9 0.77 1.32 1 1 1 0.8 0.5 0.9 0.73 1.25 1 2 2 1.30 4, 2, 5
 0.7 0.6 0.5 0.60 1.34 1 0 1 0.5 0.6 0.7 0.60 1 0 1 0.8 0.7 0.8 0.77 0 1 0
 0.6 0.5 0.4 0.50 1.54 1 0 1 0.5 0.4 0.1 0.33 2 1 2 0.5 0.6 0.5 0.53 1.42 0 1 0 1.53 1, 9, 11
 0.4 0.4 0.5 0.43 0 0 1 0.5 0.5 0.3 0.43 1 1 1 0.7 0.7 0.5 0.63 1 1 1

2°38' - 15°0'

No. & S.	Name.	R.A. 1875	Dec. 1875	Dist.	a. mag.	B. mag.	Diff. a & B.	1st P. mag.	M.P. mag.	M.P. mag.	
1678		12	39.3	+15 3	32.6	6.3	7.0	..	7.4	..	VV Mar. 18, '96.
23'	32, 33 Com. Ber.	46.1	+17 46	194.8	5.3	6.1	32.6	$\frac{2}{m}$	..	6.6	V Mar. 18, '96.
1687	35 Com. Ber.	47.8	+21 55	1.4	5.0	7.8	4.7	5.1	..	..	July 1, '93
1694	Comet 32. Dec.	48.3	+84 4	21.8	4.9	5.4	.5	5.0	R_0	..	V Mar. 18, '96.
1692	12 Com. Ber.	50.2	+39 0	19.9	3.2	5.7	..	3.0	..	2.7	V June 26, 29, 30, '93.
1704	44 Bergrini	53.1	-3 8	21.3	6.0	11.2	..	5.9	..	5.8	..
1724	8 Virginia	13	3.4	-4 52	7.1	4.0	9.0	4.4	4.4	..	..
1728	42 Com. Ber.	4.0	+18 12	0.6	6.0	6.0	..	4.4	..	4.7	..
24'	15, 17 Com. Ven.	4.1	+39 10	290.0	5.5	5.9	..	6.3	6.0	..	V
25'	34, 35 Brodie. Barnard	8.8	+67 57	178.8	5.9	6.3	..	..	..	6.9	V
1744	3 Un. Maj.	19.0	+55 36	14.4	2.1	4.2	..	2.4	..	2.0	VV June 30, '96. July 1, '93.
1768	181 Com. Ven. B.	32.1	+36 56	1.1	5.7	7.6	..	5.0	..	..	..
1777	84 Virginia	37.1	+4 11	3.4	5.8	8.2	..	5.7	..	..	..
1821	K Brodie	14	8.9	+52 23	12.6	5.1	7.2	2.1	4.4	..	VV June 30, '96. July 1, '93.
3124	L Brodie	11.9	+51 57	38.1	a+B 4.9	c 7.5	3.4	4.8	..	..	..
1833	P XIV 62	16.0	-7 11	4.9	7.0	7.0	..	..	..	..	..
1835	P XII 69	17.2	+8 59	6.1	5.5	6.8	..	5.0	..	..	VV
1846	9 Virginia	21.9	-1 39	3.7	5.2	9.7	4.0	4.9	..	..	..
1850		22.9	+28 50	25.7	6.1	6.7	..	..	..	..	V Mar. 27, '96. Sept. 6, 1893.
1864	II Brodie	34.8	+16 58	5.8	4.9	6.0	.9	4.6	..	..	VV
1865	J Brodie	35.1	+14 16	1.2	3.5	3.9	..	3.8	..	..	..
1871		37.5	+52 0	1.8	7.0	7.0	..	..	..	..	..
1877	E Brodie	39.5	+27 36	2.6	3.0	6.3	..	2.6	..	..	..
1883		42.6	+6 27	1.2	7.0	7.0	..	6.6	..	6.7	..
1888	E Brodie	45.5	+19 37	7.2	4.7	6.6	2.0	4.6	..	4.6	V
1890	39 Brodie	45.6	+49 14	3.7	5.8	6.5	..	5.5	..	..	..
1894	18 Silhal	52.2	-10 36	19.5	6.0	10.2	..	..	6.1	6.2	..
1904	22 N. 37	57.8	+5 57	9.6	7.0	7.0	..	..	..	6.4	VV
1909	44 Brodie	59.6	+48 10	2.9	5.2	6.1	.8	4.9	..	..	..

Tab. 2y Mean Gr. Reside Tab. 2y Mean Gr. Reside Tab. 2y Mean Gr. Reside Final Mean Final Reside

-3.0 -2.7 -2.9 -2.87 4.67 1 2 0
 -2.5 -2.5 -2.4 -2.47 0 0 1

-0.3 -0.5 -0.5 -0.43 2.38 1 1 1 -0.3 -0.7 -0.6 -0.53 2.53 2 2 1 -0.3 -0.4 -0.5 -0.40 2.46 1 0 1 2.46 8 7 0
 -0.3 -0.3 -0.4 -0.33 0 0 1 -0.5 -0.5 -0.6 -0.53 1 0 1 -0.6 -0.4 -0.6 -0.53 2.46 1 1 1

0.4 0.3 0.2 0.30 1.62 1 0 1
 0.3 0.4 0.7 0.47 2 1 2

0.2 0.1 0.1 0.13 1.87 1 0 0 0.1 0.0 0.0 0.03 1.90 1 0 0
 0.2 0.1 0.1 0.13 1.00 0.2 0.2 0.1 0.17 0 0 1

1.4 1.4 1.6 1.47 0.50 1 1 1
 1.6 1.6 1.4 1.53 1 1 1

5°1' - 16°56'

W. & Z.	Name.	R.A. 1875		Dec. 1875		Sect.	A. mag.	B. mag.	Sept. 2+3.	10, P. mag.	M.P. mag.	M.P. mag.	
1910	P 279	15	1.5	+9	42	3.8	7.0	7.0			6.6		
1919	H.W. 62		7.2	+19	47	24.8	6.1	7.0			6.4		Sept. 25, 196 Mar. 21, 196.
27'	5 Bootis		10.5	+33	47	104.9	3.2	7.4	4.8	3.5			✓ Sept. 6, 193. ✓ May 12, 196 ✓ May 21, 196 ✓ May 12, 193.
1930	5 Lepentris		12.8	+2	15	10.1	5.0	10.0	4.6	5.1			
1932	1 Coronae B.		13.0	+27	19	1.8	5.6	6.1				6.6	
1937	7 Coronae		18.1	+30	45	1.1	5.2	5.7		5.0		5.0	
28'	Px 74 u Bootis +		19.7	+37	47	108.5	4.0	1938 ^{mod. etc.}	2.4	4.4		4.4	✓ May 10, 11, '93.
1954	5 Lepentris		28.7	+10	57	2.7	3.0	4.0	.9	4.0			
1962	178 Sclae B.		31.9	-8	20	11.8	6.3	6.4		5.6		6.0	✓ Sept. 4, 193. Sept. 25, 196.
1965	3 Coronae		34.6	+37	1	6.0	4.1	5.0	.9	4.8			✓ May 14, 196. ✓ Apr. 10, 195. Apr. 11, 195.
1972	π' Ura. Min.		36.2	+80	52	30.2	6.1	7.0			6.5		
1967	γ Coronae		37.5	+26	42	0.7	4.0	7.0		4.2			
1970	3 Lepentris		40.3	+15	47	30.6	3.0	9.2	6.2	3.8			✓
1998	5 Sclae		57.4	-11	2	1.2	4.9	5.2		4.1	4.2		✓ May 17, 195 May 10, 11, 12 193.
2010	K Herculis 16		2.3	+17	23	31.2	5.0	6.0	1.2	4.8		5.2	✓
2021	49 Lepentris		7.5	+13	51	3.2	6.7	6.9				6.8	✓
2032	5 Coronae		9.7	+34	12	1.3	5.0	6.1		5.3			
29'	5, 12 Coronae		17.6	+34	2	371.9	4.8	5.1		5.1			
2054	79 Draconis B.		22.2	+61	58	0.9	5.7	6.9					
2055	8 Ophiuchi		24.6	+2	15	0.8	4.0	6.1		4.0		3.8	
2063	H.E. 62		28.1	+45	52	16.2	5.7	8.2		5.3			✓ June 5, 196 May 25, 196. Sept. 4, 193. May 18, 196.
30'	16, 17, Draconis		33.1	+53	11	90.4	5.0	5.0		5.2			✓ Sept. 4, 193
2078	17 Draconis		33.3	+53	9	3.7	5.0	6.0					✓ May 18, 193. ✓ May 21, 196.
31'	36, 37 Herculis		34.4	+4	27	69.7	6.0	7.0		6.6		7.0	✓ Sept. 21, 193.
2082	42 Herculis		35.3	+49	10	22.4	4.0	10.7	5.3	5.2			✓
2084	3 Herculis		36.7	+31	49	0.9	3.0	6.5		3.1			
2096	19 Ophiuchi		40.8	+2	17	22.3	6.0	9.3		6.1			✓ Sept. 23, 196. ✓ Sept. 4, 193.
2103			44.1	+13	27	5.7	5.2	10.0		6.0		5.9	✓
2118	20 Draconis		55.7	+65	14	0.8	6.4	6.9			6.4	7.8	

Tab. 2y. 7 Mean Cor. Reside Tab. 2y. 7 Mean Cor. Reside Tab. 2y. 7 Mean Cor. Reside Final Mean Final Reside

1.4 1.1 1.3 1.27 0.76 1 2 0
 1.4 1.2 1.0 1.20 2 0 2
 -2.2 -2.0 -2.2 -2.13 1 1 1
 -2.6 -2.3 -2.2 -2.37 4.25 2 1 2

1.7 2.0 1.9 1.87 0.00 2 1 0
 2.1 2.3 2.0 2.13 0 2 1

0.6 0.7 0.7 0.67 1.23 1 0 0 0.6 0.9 0.8 0.77 1.22 2 1 0 0.8 0.7 0.7 0.73 1.00 1.22 1 0 0
 0.8 0.9 0.9 0.87 1 0 0 0.8 0.8 0.8 0.80 0 0 0 0.9 0.8 0.8 0.83 1.22 1 0 0 1 0 0

-0.9 -0.8 -0.8 -0.83 3.05 1 0 0
 -1.5 -1.4 -0.9 -1.27 2 1 4
 1.8 2.0 1.9 1.90 1 1 0 1.7 1.8 1.7 1.73 0.22 0 1 0
 2.3 2.2 2.4 2.30 0.10 0 1 1 1.7 1.9 1.9 1.83 1 1 1
 1.3 1.0 1.0 1.10 2 1 1
 1.0 0.7 0.9 0.87 1.02 1 2 0

-1.4 -1.2 -1.1 -1.23 3.18 2 0 1
 -1.1 -1.2 -1.1 -1.13 0 1 0

656-1822

W. & Z	Name.	R. A.		Dec.		Dist.	A. Magn.		B. Magn.	Supp. at 13.	10. P. Magn.	I. M. P. Magn.	II. M. P. Magn.	
		1875.	1875.	1875.	1875.									
2115	192 Her. B.	16	55.8	+15	6	19.1	5.7	10.5	..	..	6.2	..	✓	
33'	33, 34 Aphel.		58.0	+13	46	292.5	5.8	6.3	..	6.0	..	..	✓
2130	W Draconis.	17	2.8	+54	38	3.2	5.0	5.1	..	5.2	..	..	✓
2140	α Herculis.		8.9	+14	32	4.6	3.0	6.1	2.2	3.2	..	..	✓
*3127	δ Herculis.		9.8	+24	59	26.1	3.0	8.1	5.4	3.3	3.1	3.2	✓	May 9, '93. June 1, '96.
													✓	June 1, '93. June 1, '95.
2160	P XVII 94		19.0	+15	44	4.1	5.5	10.0	..	6.1	6.5	..	✓	
2161	ρ Herculis.		19.2	+37	18	3.6	4.0	5.1	..	4.1	..	..	✓
2166			22.1	+11	31	27.5	5.6	7.4	..	..	..	6.8	✓	June 1, '96. June 4, '96. June 7, '96.
2173			24.1	-0	55	0.6	5.8	6.1	..	5.4	..	..	✓
34'	53 Aphel.		28.6	+9	40	41.1	5.6	7.3	..	5.9	5.8	..	✓	June 10, '96. June 29, '96.
35'	δ Draconis.		29.7	+55	16	61.7	4.6	4.6	7.0	4.9	..	5.0	✓	June 1, '94. May 9, '93. May 20, '94. 193.
2190	P XVII 163		30.8	+21	5	10.2	6.0	9.5	..	5.8	..	..	✓	Sept. 23, '96. June 4, '96.
2202	61 Aphel.		38.4	+2	38	20.5	5.5	5.8	406	5.8	..	5.6	✓	June 13, '94. June 4, '94.
2215			41.4	+17	46	0.7	5.9	7.9	..	5.7	..	..	✓
2220	W Herculis.		41.6	+27	49	29.9	3.8	9.5	6.2	3.5	..	..	✓	Sept. 21, '96 (L. H. H. H.)
2241	ψ Draconis.		44.6	+72	13	30.9	4.0	5.2	1.2	4.5	..	..	✓	May 29, '93. June 19, '92.
2245	P XVII 300		51.0	+18	21	2.6	7.0	7.0	..	..	..	..	✓
2262	τ Aphel.		56.1	-8	10	0.4	5.0	5.7	..	4.9	..	..	✓
2264	95 Herculis.		56.2	+21	35	6.1	4.9	4.9	..	4.6	..	..	✓	June 9, '95. June 15, '94.
2272	70 P. Aphel.		59.1	+2	23	4.0	4.1	6.1	1.7	4.1	..	4.0	✓	
2276	P XVII 362		59.9	+12	2	6.8	6.0	7.0	..	..	..	6.5	✓	June 7, '94.
2280	100 Herculis.	18	2.6	+26	5	13.8	5.9	5.9	156	5.2	..	..	✓	June 13, '94. Sept. 19, '93.
2281	73 Aphel.		3.2	13	58	1.5	5.7	7.2	..	5.7	..	5.7	✓	
2287	41/1 Her. B.		4.4	+16	27	1.2	6.0	7.1	..	6.2	..	..	✓
2308	40, 41 Dracon.		9.4	+79	59	20.6	5.4	6.1	386	5.2	6.1	5.3	✓	June 12, '96. June 16, '96. June 18, '96.
8 II	η Septent.		14.8	-2	55	112.7	3.3	12.0	7.5	3.4	..	3.4	✓	
2316	59 Septent.		20.8	+0	6	3.9	5.5	7.8	2.1	5.2	5.6	..	✓	
2323	39 Draconis.		22.0	+58	44	3.1	4.7	7.7	..	4.8	..	..	✓
36'	39 Draconis.		22.1	+58	45	89.0	4.7	7.1	..	4.8	..	..	✓	June 9, '96. June 12, '96. June 16, '96.

[illegible]

24-1938

X	X	X	X	X	X	X						
No.	Name.	R.A. 1275	Dec. 1275	Dist.	a. mag.	b. mag.	diff. a+b.	l.p. mag.	m.p. mag.	m.p. mag.		
2322	47 Tauri Pm B. 18	23.6	+3 58	19.6	5.7	11.0						
2325	29 Scuti Sol B	24.6	-10 52	12.4	6.0	9.3			5.8			
2342	55 Tauri Pm B.	29.4	+4 50	26.9	5.7	8.5			6.6			
2348	190 Deneb, B.	30.9	+52 15	25.7	5.9	8.1		5.4				
2349	38 Syrae B.	32.0	+33 21	7.3	5.5	10.7		5.3				
9 ^{II}	2 Syrae.	32.7	+38 40	43.0	1.0	10.5	10.0	0.2				
2375	75 Tauri Pm B.	39.2	+5 21	2.2	6.2	6.6		5.7		5.8		
2379	5 Aquilae	39.9	-1 6	13.2	5.6	7.4		5.8				
2382	E Syrae.	40.2	+39 33	3.0	4.6	6.3	0	4.6		4.6		
2383	5 Syrae.	40.2	+39 29	2.6	4.9	5.2	2	4.6				
38'	3 Syrae.	40.5	+37 28	43.7	4.2	5.5	1.4	4.3				
2404	78 Tauri Pm B.	44.9	+10 50	3.5	5.8	7.0			6.6			
39'	β Syrae.	45.4	+33 13	45.8	3.0	6.7		3.6				
2420	o Draconis	49.3	+59 15	30.3	4.6	7.6	3.3	4.6				
2417	8 Lepentori	50.2	+4 1	21.6	4.0	4.2	.9	4.1		4.3		
2424	11 Aquilae	53.1	+13 29	18.7	5.7	9.2		5.2		5.6		
2461	17 Syrae 19	2.6	+32 19	3.7	5.7	9.8		4.9				
2486	6 Cygnus B.	8.8	+49 36	10.5	6.0	6.5		5.8	6.2			
2487	η Syrae.	9.6	+38 57	27.9	4.0	8.1		4.5				
2493	23 Aquilae	12.1	+0 49	3.4	5.5	9.5		5.4				
40'	{ 24 Aquilae + P 1275 55	12.3	+0 9	423.1	6.0	6.2		6.6	6.7			
41'	2.3 Sagittae	19.0	+16 43	336.2	5.9	6.7		6.0		6.8		
2521	P 1275 128	21.0	+19 40	22.6	5.5	10.3			6.0	6.1		
42'	6.8. Ulfes.	23.6	+24 28	396.2	4.4	5.7	1.106	4.7	6.0			
2532	P 1275 144	23.6	+2 38	34.9	6.0	10.2				6.4		
43'	β Cygni.	25.7	+27 42	34.3	3.0	8.3		3.0				
44'		31.1	+59 51	76.6	5.2	7.2			6.5			
45'	151 Aquilae B.	36.4	-8 35	96.5	6.5	6.9						
46'	16 Cygni.	38.5	+50 15	37.3	5.1	5.3	1.106	5.5	6.3			

Oct. 25/93.

June 14, '94

July 3, '94

June 20, '96

June 27, '96

May 14, 1895.

Oct. 24, 193.

June 16, '94

Sept. 26, 196.

May 18, 193.

June 16, '94

July 12, 20, '31

June 30, '96.

June 16, '94.

June 17, '93.

Oct. 24, 93.

June 15, '93.

June 20, '96.

June 27, '96.

Oct. 25, '93.

June 16, '94.

June 22, 27, '94.

Sept. 26, 196.

June 16, '94.

June 27, '96.

July 10, '96.

Sept. 23, 196.

June 15, 1933

June 26, 196.

July 1, '96.

June 25, '95

June 20, '95.

Nov. 12, 194.

Tab. 2y. Mean Cor. Resids. Tab. 2y. Mean Cor. Resids. Tab. 2y. Mean Cor. Resids. Tab. 2y. Mean Cor. Resids.

-0.8 -0.8 -0.8 -0.80 2.76 0 0 0 5.2 5.1 4.9 5.07 10 2 5.0 5.2 5.4 5.20 2.10 202 2.98 2,9,12
-0.6 -0.8 -0.8 -0.73 1 1 1 5.1 5.0 5.1 5.07 0 1 0 5.0 5.0 5.0 5.00 0 0 0 0 0 0

0.5 0.4 0.5 0.47 1.56 0 1 0 3.5 3.6 3.6 3.57 1.44 1 0 0 - 3.3 3.2 3.25 1.31 -10 1.44 12,9,13
0.4 0.4 0.4 0.40 0 0 0 3.5 3.2 3.2 3.30 2 1 1 3.4 3.3 3.4 3.37 0 1 0 0 0 0

0.9 0.6 0.7 0.73 1.32 2 1 0 0.8 0.7 0.6 0.70 1.34 1 0 1 0.6 0.7 0.7 0.67 1.25 1 0 0 1.30 2,4,5
0.5 0.7 0.7 0.63 1 1 1 0.5 0.7 0.7 0.63 1 1 1 0.9 0.8 0.8 0.83 1 0 0 0 0 0

-1.5 -1.7 -1.6 -1.60 3.54 1 1 0 -1.2 -1.4 -1.5 -1.37 3.42 2 0 1 5.6 5.6 5.7 5.63 3.70 0 0 1 3.55 1,13,15
-1.6 -1.5 -1.3 -1.47 1 0 2 -1.5 -1.5 -1.4 -1.47 0 0 1 5.6 5.7 6.0 5.77 2 1 2 0 0 0

-1.8 -1.5 -1.4 -1.57 3.50 2 1 2 0 1 0 2.3 2.4 2.2 2.30 0.34 0 1 1 2.1 1.9 1.9 1.97 0.08 1 1 1 0.28 14,6,20
-1.4 -1.5 -1.4 -1.43 0 1 0 0 0 0 2.4 2.3 2.4 2.37 0 1 0 2.2 2.2 2.2 2.20 0 0 0 0 0 0
1.6 1.5 1.6 1.57 0.42 0 0 0 2.4 2.3 2.4 2.37 0 1 0 2.2 2.2 2.2 2.20 0 0 0 0 0 0
1.6 1.6 1.6 1.60 3.82 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
6.2 5.7 5.8 5.90 3.40 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5.4 6.1 5.7 5.73 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

-2.1 -2.3 -2.2 -2.20 4.15 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-1.9 -2.1 -2.3 -2.10 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0

-0.2 -0.3 -0.1 -0.20 2.18 0 1 1 4.3 4.0 3.9 4.07 1.97 2 1 2 4.0 3.7 3.8 3.63 2.02 2 1 0 2.06 10,9,4
-0.1 -0.1 -0.3 -0.17 1 1 1 3.9 3.9 3.8 3.87 0 0 1 4.2 4.2 4.2 4.20 0 0 0 0 0 0

30°41' - 20°58'

2.	Name.	R.A. 1875.	Dec. 1875.	Dist.	α . mag.	β . mag.	Dist. R + B.	H.P. mag.	M.P. mag.	M.P. mag.
2579	♂ Cygni.	19	41.0	144	5.0	1.8	3.0	7.9	3.0	..
2580	17 ♀ Cygni.	41.5	+33	28	25.8	5.1	8.1	3.5	5.0	5.0
2583	11 Aquilae.	42.9	+11	30	1.5	6.0	6.8	5.7	..	5.7
2585	3 Sagittae	43.4	+18	50	8.5	5.7	8.8	3.7	5.0	..
10 ^{II}	2 Aquilae	44.6	+8	32	152.4	1.5	10.2	..	1.0	1.0
48'	Pxx 320, 321	47.9	+19	59	42.2	6.7	6.8	..	7.2	..
2594	57 Aquilae	48.1	-8	34	35.6	5.2	6.2	..	5.3	..
2603	E Draconis	48.5	+69	56	2.8	4.0	7.6	..	3.9	1.5
2605	♂ Cygnus.	52.4	+52	6	3.3	5.0	7.5	..	4.8	..
2640		20	3.2	+63	30	4.9	6.0	9.9	..	..
2637	♂ Sagittae	4.4	+20	32	11.4	6.0	8.3	..	6.2	6.4
50'	{ 0.0' Cygni + Pxx 63	9.6	+46	22	337.8	3.7	6.50	..	4.9	..
51'	♂ Capric.	10.8	-12	55	374.5	3.2	4.2	..	4.5	..
2675	K Cephei.	13.2	+77	18	7.4	4.0	8.0	3.7	4.4	..
52'	β Capricornii	13.7	-15	11	205.0	2.5	6.0	2.8	3.4	3.2
2671	♂ 2.75.	15.3	+56	0	3.0	6.0	7.4	..	5.7	..
2677	P. 22 116	18.2	+0	38	33.2	6.0	10.5	..	6.1	6.2
2704	β Delphini	31.6	+14	9	32.5	3.0	11.0	6.9	3.6	3.8
53'	{ 48 Cygni Pxx 283	32.5	+31	7	178.1	6.0	6.1	..	6.3	..
2716	49 Cygni	36.0	+31	50	2.7	6.0	8.1	..	5.8	..
2726	52 Cygni	40.5	+30	14	6.6	4.0	9.2	4.8	4.3	..
2727	γ Delphin	41.1	+15	39	11.9	4.0	5.0	1.0	4.2	..
2729	4 Aquarii	44.7	-6	6	0.7	5.9	7.2	..	..	6.2
2737	E Equulei.	52.8	+3	48	0.4	5.7	6.2	..	5.4	5.2
2741	Pxx 429	54.5	+49	58	1.9	6.0	7.3	..	5.5	5.4
2743	59 f' Cygni.	55.5	+47	2	20.2	4.7	9.0	4.5	4.6	..
2744		56.8	+1	4	1.5	6.3	7.0	..	..	6.6
2745	12 Aquarii	57.3	-6	18	2.7	5.6	7.1	..	5.8	..
2751	23 Cephei β.	58.5	+56	9	1.9	6.0	7.0	..	5.9	5.8

Nov. 12, 1944.
June 28, 1944.
June 15, 1944.

July 2, 1944.
July 11, 1944.

July 29, 1943.
July 14, 1944.
July 3, 1944.
June 28, 1944.
June 14, 1944.

July 5, 1944.
July 19, 1944.
Nov. 12, 1944.

July 14, 1946.
July 21, 1946.

June 22, 1945.
July 3, 1944.

June 17, 1945.
May 6, 1945.
May 6, 1945.
June 12, 1945.
June 14, 1945.

July 19, 1944

July 9, 1874

2, '95
4, '95

21°1' - 22°50'

No. &	Name.	R.A. 1875	Dec. 1875	Dist.	a. mag	B. mag.	Supp. a+B.	K.P. mag.	M.P. mag.	M.R. mag.	
2758	61 Cygni.	21	0.9	+38 6	15.3	5.3	5.9	.8	5.1	5.6	✓ Nov. 12/94 July 5, '94. " 11, " " " 16, " "
2762	P III 1.	3.3	+29	43	3.5	6.0	8.0	..	5.5	5.6	✓
54'	γ, 6 Egmulei	4.4	+9	36	366.2	4.2	5.7	..	4.8	6.0	..
2777	δ Egmulei	8.4	+9	30	27.4	4.1	10.2	5.8	4.6	4.6	..
2790		15.7	+58	6	4.5	5.6	9.9	..	5.7	..	..
11 th	1 Pegasi	16.2	+19	15	36.2	4.5	8.6	5.1	4.3	..	✓ July 23, 195. Oct. 25, 193. July 11, '94. " 23, '94.
55'	{ 332, 334 } Cygni B.	18.6	+36	50	365.4	6.0	6.6	22.6	6.5	..	..
2799	20 Pegasi B.	22.9	+10	34	1.4	6.6	6.6	..	..	6.7	..
2806	β Cephei	26.9	+70	0	13.6	3.0	8.0	4.4	3.4	7.2	✓ Nov. 25, 193. July 18, '94. Oct. 25, '96. Nov. 11, '93. Nov. 4, 195.
2809	α IV 38?	30.8	-0	59	31.1	6.0	8.4	..	6.2	..	✓ July 11, '94. Nov. 12, '94. Nov. 20, '94.
56'	3 Pegasi	31.5	+6	3	39.1	6.0	7.4	..	5.9	6.3	✓
57'	{ 121, 123 } Cephei B.	31.8	+66	11	179.1	6.5	6.5	..	..	..	✓ Nov. 12/94.
2822	η Cygni	38.4	+28	12	5.6	4.0	5.0	1.5	4.4	..	✓
2824	K Pegasi	39.0	+25	5	11.0	3.9	10.8	5.7	4.2	4.3	..
2840	147 Cephei B.	47.6	+55	14	20.0	6.0	7.0	..	5.5	7.3	✓ Nov. 24, 25, '93. July 18, '94. Oct. 25, '96.
2838	100 Cygni B.	47.8	-3	52	21.6	6.0	8.8	..	6.2	..	✓ Nov. 10, 194. July 10, 195.
2863	ξ Cephei	59.9	+64	0	5.6	4.7	6.5	2.0	4.4	..	✓ July 30, 194. July 23, 196. July 23, 196. July 23, 196. July 23, 196.
2873	180 Cephei B 22	2.9	+82	15	13.8	6.2	7.0	..	..	6.5	✓ July 17, 193.
2869	129 Pegasi B.	4.1	+14	1	22.7	5.8	11.8	..	..	..	..
2893		10.7	+72	43	28.8	5.5	7.6	..	6.0	..	✓ Nov. 24, 25, '93. July 26, '94.
2894	P XII 65	13.4	+37	9	15.3	6.0	8.2	..	..	..	✓ July 13, '94. June 27, '96. " 26, '94. " 11, '95.
2900	33 Pegasi.	17.6	+20	13	2.5	6.0	9.2	..	6.0	8.8	..
2909	ζ Aquarii.	22.3	-0	40	3.6	4.0	4.1	.2	3.8	..	✓ Nov. 10/94.
2912	37 Pegasi.	23.6	+3	48	1.2	5.8	7.2	..	5.3	5.7	✓ June 7, '94.
58'	δ Cephei	24.5	+57	46	40.9	3.0	5.3	2.5	4.0	..	✓ Nov. 16, '93. Nov. 24, '93. July 18, '94. July 26, '94.
2922	8 Lacertae.	30.4	+38	59	22.5	6.0	6.5	..	5.3	..	✓ Nov. 22, '93.
2943		41.0	-14	45	30.7	6.0	9.2	..	5.6	5.8	6.0
2950	24 Cephei B	46.1	+61	1	2.0	5.7	7.0	..	5.8	5.9	..
2960	16 Lacertae.	50.5	+40	57	63.5	6.0	9.0	..	5.6	5.4	..

Tab. Dy.				Mean.	Cor.	Reside.	Tab. Dy.				Mean.	Cor.	Reside.	Tab. Dy.				Mean.	Cor.	Reside.	Handwritten	Printed
2.6	2.6	2.7	2.63			0.01	2.9	2.7	2.7	2.77			1.1	2.8	2.7	2.6	2.70			1.0	0.72	63.4
2.6	2.7	2.8	2.70	0.66		1.01	2.7	2.8	2.7	2.73	0.75		0.10	2.8	2.8	2.9	2.83	0.76		0.01		

$-2.8 -2.6 -2.7 -2.70$ 4.64 $1 \ 10 \ 6.8 \ 6.6 \ 6.5 \ 6.63$ $2 \ 0 \ 1 \ 6.7 \ 6.9 \ 6.9 \ 6.83$ $1 \ 11$
 $-2.5 -2.6 -2.6 -2.57$ 4.72 $1 \ 0 \ 0 \ 6.8 \ 6.7 \ 6.9 \ 6.80$ $0 \ 1 \ 6.8 \ 7.0 \ 7.5 \ 7.10$ 4.96 $3 \ 1 \ 4$ 4.77 35.19

$-2.5 = 2.5 - 2.5 - 2.50$ 0 0 0 6.7 6.3 6.1 6.37 3 1 3
 $-2.7 - 2.6 - 2.4 - 2.57$ 4.54 1 0 2 6.3 6.4 6.7 6.47 4.42 2 1 2

$3.4 \quad 3.3 \quad 3.2 \quad 3.30$
 $3.2 \quad 3.3 \quad 3.3 \quad 3.27$

$1.1 \ 1.2 \ 1.2 \ 1.17$ 0.68 $1.0 \ 1.0 \ 1.1 \ 1.0 \ 1.03$ 0.94 $0.10 \ 2.9 \ 3.0 \ 2.9 \ 2.93$ 0.93 0.10 0.92 ± 2.1
 $1.1 \ 1.1 \ 1.0 \ 1.07$ 0.01 $1.1 \ 1.1 \ 1.1 \ 1.10$ 0.00 $2.8 \ 3.0 \ 3.0 \ 2.93$ 1.11

1. $3.7 \ 3.9 \ 3.8 \ 3.80$ $1.78 \ \underline{110}$
 $3.7 \ 3.8 \ 3.8 \ 3.77$ $\underline{100}$

-0.1	-0.2	0.0	-0.10	2.15	0.1	0.0	-0.3	-0.2	-0.17	2.15	2.10	4.4	4.5	4.5	4.47	2.54	1.00	2.28	13.13, 21
-0.1	-0.2	-0.3	-0.20		1.01	-0.2	-0.1	-0.1	-0.13		1.00	4.6	4.5	4.7	4.60		0.11		
4.2	4.3	4.5	4.33	2.42	1.02	4.1	4.3	4.2	4.20	2.30	1.10								
4.4	4.5	4.6	4.50		1.01	4.4	4.4	4.4	4.40		0.00								

-0.1 +0.1	0.00	1.92	1 1	-0.3 -0.2 -0.2 -0.23	2.36	1 0 0	4.8 4.8 4.7 4.4 4.68	2.72	1103	2.33 41,3,3
+0.2 +0.1	0.15		0 1	-0.5 -0.5 -0.5 -0.50		0 0 0	4.7 4.7 4.8 4.8 4.75		1 1 0 0	
1.2 1.3 1.2	1.23		0 10	2.6 2.9 2.8 2.77	0.72	1 1 0	2.8 2.9 2.8 2.83	0.75	0 1 0	0.75 2,3,0
1.3 1.2 1.2	1.23	0.77	1 0 0	2.8 2.5 2.7 2.67		1 2 0	2.6 2.7 2.7 2.67		1 0 0	

259° - 2356°

1880pha

No. &.	Name.	P.A. 1875°	Dec. 1875°	Dist.	A. Magn.	B. Magn.	Diff. A. & B.	H.P. Mag.	I. M.P. Mag.	II. M.P. Mag.	
59'	83,84 Aquarii	22	58.7	-8 14	262.1	5.6	7.0	..	5.4	..	..
2982	57 Pegasi	23	3.2	+8 0	32.6	5.9	10.5	..	5.4	..	5.4
12 th	ψ ' Aquarii		9.3	-9 46	49.6	4.5	8.5	4.6	4.5	4.6	4.4
2998	94 Aquarii		12.4	-14 8	13.4	5.2	7.2	..	5.2	5.3	..
3001	α Cephei		13.5	+67 25	2.4	5.2	7.8	..	4.9	..	..
60'			29.2	+59 45	247.2	6.4	6.5	..	..	..	..
3042	28 Androm B		45.9	+37 12	4.2	7.0	7.0	..	..	..	..
3049	α Cassiope		52.6	+55 4	3.0	5.4	7.5	..	5.0	4.7	..
3050	37 Androm B.		53.2	+33 3	3.8	6.0	6.0	..	5.8	..	..
3053			56.3	+65 22	15.2	6.0	7.3	..	..	5.8	..

Nov. 12, '94.

July 28, '94.

Nov. 12, '94.

July 28, '94.

1800 phase 10-11-1678

<u>Tab. 2y</u>	<u>Mean</u>	<u>for</u>	<u>Reside</u>	<u>Tab. 2y</u>	<u>Mean</u>	<u>for</u>	<u>Reside</u>	<u>Tab. 2y</u>	<u>Mean</u>	<u>for</u>	<u>Reside</u>	<u>Final Mean</u>	<u>Final Reside</u>
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3.2	3.4	3.4	3.33	1.50	1	1	1
3.8	3.6	3.6	3.67		1	1	1

Apparently for Ep. 1900.

0^h - 2^h 44^m

H.P.No.	Name.	B.D.No.	\pm	Dist.	R.A.	Dec.	H.P. Mag.	B.D. Magn.	Mag. A.	Mag. B.	Sy. a+b.	A.	B.
V 5	α Androm.	4	13 th	65.0	0 ^h 3.2	+28 33	2.1	2.0	2.0	11.1	{ 8.3 9.8	2.1	10.4
V 72	51 Psc.	64	36	27.4	27.3	+6 25	5.7	6.2	5.5	9.5	3.6	5.7	9.3
83	π Androm.	101	—	36.	31.5	+33 11	4.4	4.1	4.5	9.0	4.2	4.4	8.6
94	α Cassiope	139	Unv.	58.6	34.8	+56 0	2.2	var.	2.5	10.0	{ 6.6 6.5	2.2	8.7
V 93	55 Psc.	87	46	6.4	34.6	+20 54	5.5	5.5	5.0	8.2	3.3	5.6	8.9
V 120	η Cassiope	150	60	9.7	43.0	+57 17	3.6	3.8	4.0	7.6	3.8	3.6	7.4
V 169	ψ Pscium	156	88	29.9	1 0.4	+20 56	5.0		4.8	5.1	2	5.7	5.9
V 198	ϕ Pscium	158	99	8.0	8.3	+24 3	4.6	4.6	4.7	10.1	5.1	4.6	9.7
V 199	ζ Pscium	368	100	23.5	8.5	+7 3	5.0		4.7	5.8	1.0	5.4	6.4
V 213	α Urs. Min.	8	93	18.3	22.0	+88 46	2.2	2.0	2.0	9.0	{ 6.6 6.7	2.2	8.8
V 218	γ Cassiope	123	117	—	18.8	+67 36	4.8	5.2	4.7	—	{ 4.5 4.3	4.8	9.4
"	"	"	"	32.2	"	"	"	"	"	8.9	5.4	4.8	10.2
"	"	"	"	29.3	"	"	"	"	"	9.8	5.9	4.8	10.7
V 291	γ Antis	243	180	8.6	48.0	+18 48	4.3	3.5	4.2	4.4	-1	5.1	5.0
303	λ Antis	288	Unv.	38.1	52.4	+23 7	4.9	5.0	4.9	7.7	2.5	5.0	7.5
V 320	α Pscium	317	202	3.6	56.9	+2 17	4.0	3.5	3.0	4.4	.9	4.4	5.3
V 324	γ Androm.	395	205	10.3	57.7	+41 51	2.1	2.0	3.0	5.0	2.8	2.2	5.0
V 345	ϵ Triang.	371	227	3.6	2 6.6	+29 50	5.3	5.0	5.5	7.2	1.6	5.5	7.1
370	σ Ceti	353	Unv.	95.4	14.3	-3 26	var.	var.	var.	—	{ 5.0 6.7	"	"
V 384	ϵ Cassiope	213	262	1.9	20.8	+66 57	4.6	4.7	4.7	7.3	2.3	4.8	7.1
"	"	"	"	7.6	"	"	"	"	"	8.6	3.4	"	8.2
V 409	ν Ceti	418	281	7.7	30.6	+5 10	4.9	5.3	5.0	9.6	4.6	4.9	9.5
404	ω Foenicis	—	—	11.	29.5	-28 40	4.8	—	5.0	8.0	2.8	4.9	7.7
V 429	δ Persei	746	296	15.4	37.3	+48 48	4.2	4.2	4.1	10.5	5.6	4.2	9.8
V 433	γ Ceti	422	299	2.6	38.1	+2 48	3.6	3.5	3.0	6.8	2.5	3.7	6.2
V 443	η Persei	714	307	28.0	43.4	+55 29	3.9	3.5	4.0	8.5	4.7	3.9	8.6
V 444	π Antis	355	311	3.3	43.7	+17 3	5.6	5.7	5.4	8.7	2.9	5.7	8.6
"	"	"	"	25.2	"	"	"	"	"	10.2	5.8	"	11.5

v Jan. 1, 96.
Sept. 12, 94.v Jan. 1, 96.
Sept. 12, 94.v Jan. 1, 96.
Sept. 12, 94.

Dec. 1, 94.

v Jan. 1, 96.

Oct. 26, 95
Jan. 1, 99

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244-5'30"

H.P.No.	Name.	B.D.No.	\angle	Dist.	R.A.	Dec.	H.P. Magn.	B.D. Magn.	Magn. A.	B.	Dg. at B.	A.	B.
445	41 Arietis	471	Unv.	119.7	44.1	+26 51	3.8	3.7	5.0	9.0	5.4	3.8	9.2
—	4 Eridani	—	—	9.	54.5	-40 42	—	—	5.0	6.0	1.1	"	"
✓ 551	2 H. Camel.	660	385	2.4	3 21.0	+59 36	4.2	4.5	4.7	9.0	4.1	4.2	8.3
✓ 557	4 H. Camel.	684	390	15.0	22.4	+55 7	5.0	4.8	4.8	9.2	4.6	5.0	9.6
✓ 594	0 Persei.	698	431	20.0	36.0	+33 39	5.0	4.8	4.2	9.5	4.8	5.0	9.8
✓ 618	7 Tauri.	541	8'	117.2	41.6	+23 48	3.0	3.2	3.8	7.0	3.3	2.9	6.2
✓ 622	30 Tauri.	486	452	8.9	42.8	+10 50	5.1	5.2	4.8	9.8	4.1	5.1	9.2
—	8 Eridani.	—	—	9.	44.9	-37 55	—	—	5.0	5.0	.6	"	"
✓ 638	3 Persei.	666	464	12.5	47.8	+31 35	3.1	3.0	2.7	9.3	6.3	3.1	9.4
✓ 644	32 Eridani.	631	470	6.7	49.2	-3 14	4.8	5.0	4.3	6.2	1.4	5.1	6.5
✓ 649	E Persei	895	471	8.8	51.1	+39 43	3.0	3.2	3.0	8.5	4.9	3.0	7.9
✓ 714	39 Eridani.	867	516	6.3	4 9.6	-10 30	4.9	4.8	5.8	9.0	3.7	4.9	8.6
✓ 721	40 Eridani.	780	518	85.3	10.7	-7 47	4.5	4.7	4.3	9.6	5.3	4.5	9.8
✓ 797	2 Tauri.	629	2 ^{II}	109.0	30.2	+16 19	1.0	1.1	1.0	11.2	9.5	1.0	10.5
798	88 Tauri.	607	—	68.	30.2	+9 57	4.6	4.3	5.0	8.5	3.4	4.6	8.0
819	7 Tauri.	739	—	62.	36.2	+22 46	4.4	4.7	5.0	8.0	2.9	4.5	7.4
✓ 856	7 Camelopard.	829	610	25.6	49.3	+53 35	4.5	5.0	4.2	11.3	6.2	4.5	10.7
✓ 873	W Aurigae.	1005	616	6.5	52.5	+37 44	5.1	5.7	4.1	8.3	2.6	5.2	7.8
✓ 885	11, 12 Camel.	804	13'	181.3	55.7	+58 48	5.1	6.0	5.0	6.0	.8	5.1	5.9
✓ 913	19 H. Camel.	169	634	34.0	5 6.1	+79 7	5.1	5.2	4.5	7.9	3.7	5.1	8.8
✓ 927	6 Leporis.	1095	655	12.8	7.7	-11 59	4.7	5.0	4.2	10.5	4.9	4.7	9.6
✓ 928	p Aurigae.	888	654	7.1	8.1	+2 45	4.5	4.8	4.7	8.5	3.9	4.5	8.4
✓ 930	14 Aurigae	922	653	14.7	8.8	+32 35	5.2	5.5	5.0	7.8	3.0	5.3	8.3
✓ 931	15 Leporis.	1092	661	3.1	8.7	-13 3	4.6	4.7	5.0	7.9	2.6	4.7	7.3
✓ 936	3 Aurigae.	1063	668	9.1	9.7	-8 19	0.3	1	1.0	8.1	6.3	0.3	6.6
✓ 966	23 Aurigae.	871	696	31.7	17.6	+3 27	5.0	5.3	5.2	7.2	2.1	5.1	7.2
✓ 1005	5 Aurigae.	983	14'	52.7	26.9	-0 23	2.4	2.0	2.0	6.9	4.4	2.4	6.8
✓ 1019	1 Aurigae.	879	738	4.2	29.6	+9 52	3.5	3.5	4.2	6.4	1.9	3.7	5.6

Ann. 30, 1906
Oct. 28, 95
Nov. 27, 93
" 25, "
" 31, "
✓ Mar. 24, 96
✓ May 1, 96
✓ Nov. 22, 96

Mar. 27, 93
" 27, "
" 27, "
Mar. 27, 92
" 29, "
" 31, "
✓ ✓ ✓

Mar. 27, 93
" 29, "
" 31, "
Mar. 27, 93
" 29, "
" 31, "
Mar. 27, 92
" 29, "
" 31, "
✓ ✓ ✓

Mar. 27, 93
" 29, "
" 31, "
Mar. 27, 93
" 29, "
" 31, "
Apr. 19, 93
✓ ✓ ✓

Nov. 1, 94
" 1, "
" 1, "
Apr. 5, 93
" 1, "
" 1, "
✓ Nov. 1, 93

Nov-4

30°-741°

H.P.No.	Name.	P.D.No.	Σ	Dist.	R.A.	Dec.	H.P. Mag	P.D. Mag	Mag a	B.	Def a+b	C.	B.
1019	"	"	"	15.0	29.6	+9 52	"	"	"	11.2	7.2	"	10.9
1023	θ' Aurigae	1315	748	13.3	30.3	-5 27	4.4	4.0	4.7	6.3	1.5	4.9	6.4 B
"	"	"	"	19.2	"	"	"	"	4.7	7.0	1.5	"	6.4 c
"	"	"	"	16.9	"	"	"	"	4.7	8.0	2.6	"	7.50
"	"	"	"	21.4	"	"	"	"	6.3	7.0	"	"	"
"	"	"	"	13.0	"	"	"	"	6.3	8.0	"	"	"
"	"	"	"	8.7	"	"	"	"	7.0	8.0	"	"	"
V 1027	θ Aurigae	1241	752	11.3	30.5	-5 59	3.0	3	3.2	7.8	4.5	3.2	4.7
V 1033	26 Aurigae	963	753	12.3	32.2	+30 26	5.6	6.0	5.9	8.5	3.0	5.7	8.7
V 1039	ϕ Aurigae	1326	762	41.2	33.7	-2 39	3.7	4.0	4.1	7.0	2.7	3.8	6.5 B
"	"	"	"	12.9	"	"	"	"	"	7.5	2.9	"	6.7 c
"	"	"	"	11.0	"	"	"	"	"	10.3	5.3	8.8	9.10
V 1045	ζ Orionis	1338	774	2.3	35.8	-2 0	1.9	2	2.0	5.3	2.2	2.0	4.2 B
"	"	"	"	5.6	"	"	"	"	3.0	10.0	7.9	"	9.9 c
1057	γ Leporis	1211	"	9.3	40.4	-22 28	3.8	4.0	4.0	6.5	2.3	3.9	6.2
V 1200	8 Monoc.	1236	900	13.9	6 18.5	+4 38	4.4	4.9	4.2	7.0	2.2	4.5	6.7
V 1220	11 Monoc.	1574	919	7.3	24.0	-6 58	3.9	5.5	5.0	5.5	.5	4.7	5.2
"	"	"	"	2.5	"	"	"	"	5.5	6.0	.4	"	5.6
1263	ϵ Gemini	1406	"	11.1	37.8	+25 13	3.2	3.2	3.0	9.5	5.8	3.2	9.0
1275	α Can. Maj.	1591	"	10.	40.7	-16 34	-1.4	1	"	"	10.0	-1.4	8.6
V 1316	μ Can. Maj.	1741	997	3.2	51.5	-13 55	5.2	5.0	4.7	8.0	2.3	5.3	7.6
V 1373	λ Gemini	1443	1061	9.6	7 12.4	+16 43	3.6	4.1	3.2	10.3	6.0	3.6	9.6
V 1377	δ Gemini	1645	1066	7.1	14.2	+22 10	3.6	3.5	3.3	9.0	4.5	3.6	8.1
V 1423	α Gemini	1581	1110	4.4	28.2	+32 7	1.6	1.5	2.7	3.7	.8	2.0	2.8
"	"	"	4 ^{II}	72.5	"	"	"	"	"	"	6.9	2.0	8.9
1445	κ Perseus	"	"	10.	34.7	-26 34	3.9	"	5.0	5.0	.0	4.6	4.6
1457	κ Gemini	1759	"	6.	38.4	+24 38	3.6	3.7	4.0	10.0	5.7	3.6	9.3
V 1466	π Gemini	1585	1135	22.6	41.0	+33 40	5.4	5.3	4.9	11.0	5.6	5.4	11.0

V 1027
Mar. 31, '93
Apr. 24, '93
May 6, '93

Apr. 5, 7, 9, '93
Mar. 19, '94

Mar. 31, '93
Apr. 3, '93
Apr. 24, '93

Apr. 18, 24, '93
" 26, '93

Apr. 19, 24, '93
" 26, '93

Apr. 19, '93

Apr. 19, '93

Tab. Ly. Mean. ^{Cor.} Mean. Results. Tab. Ly. Mean. ^{Cor.} Mean. Results. Tab. Ly. Mean. ^{Cor.} Mean. Results. ^{Final} Mean. ^{Final} Results.

2, 14, 19, 20,
 31, '93
 4, '93
 6, '95

5, 7, 19, '95
 4, '94

31, '93
 5, " "
 24, " "
 7, " "

19, 24, '93
 26, '93

19, 24, 25,
 '93

Apr. 19, 24, 25, '93.
 May 5, 8, '93.

4, 17, '93

06-14, 13

H.P.No.	Name.	B.D.No.	Σ	Dist.	RA.	Dec.	H.P.	B.D.	Magn.	Magn.	A.	B.	Def.	A.	B.	
V1521	3 Cancri	1867	1196	1.1	8 6.5	+17 56	4.7	4.7	5.0	5.7	.9	5.1	6.0			Apr. 25, 93 May 9, 93 Mar. 27, 93 " 29, " 93 " 31, " 93
V1605	6 Cancri	1824	1268	30.5	40.6	+29 7	4.2	4.2	4.2	6.5	2.5	4.3	6.8			
V1608	E Hydral	2036	1273	3.2	41.5	+6 48	3.6	3.5	3.8	7.8	3.2	3.7	6.9			
1636	6 Ura. Maj.	1707	—	12.	52.4	+48 27	3.2	3.1	3.5	13.0	7.1	3.2	6.3			
V1655	5 ⁺ Ura. Maj.	577	1306	4.6	9 1.6	+67 32	4.8	5.3	5.0	9.1	3.3	4.9	8.2			
V1681	38 Sycis.	1965	1334	2.7	12.6	+37 14	3.8	4.2	4.5	7.1	1.8	4.0	5.8			
V1701	23 ^h Ura. Maj.	845	1351	22.8	23.6	+63 30	3.7	3.5	3.9	9.2	5.3	3.7	9.0			Apr. 25, 93 May 8, 93 Apr. 18, 93 " 24, " 93
V1797	2 Leonis.	2149	6 ^{II}	176.9	10 3.1	+12 28	1.4	1.3	1.2	8.4		1.4	7.0			May 8, 93 June 1, 93 Apr. 27, 93
V1811	3 Leonis.	2207	18'	314.4	11.0	+24 0	3.6	7.0	3.8	6.0	2.0	3.8	5.8			
V1823	7 Leonis.	2467	1424	2.5	44.4	+20 21	2.2	2.0	2.2	3.6	1.2	2.5	3.7			June 11, 29, 30, 93
V1908	54 Leonis.	2314	1487	6.2	50.2	+25 17	4.3	4.0	5.0	7.0	1.9	4.5	6.4			
V1959	5 Ura. Maj.	2132	1523	1.7	11 12.9	+32 6	3.8	3.7	4.4	5.3	.5	4.3	4.8			
V1961	7 Ura. Maj.	2098	1524	7.1	13.1	+33 39	3.8	3.4	3.7	10.1	5.5	3.8	9.3			
V1969	6 Leonis.	2348	1536	2.2	18.7	+11 5	4.0	4.1	3.9	7.1	2.7	4.1	6.8			Apr. 18, 93 May 10, 93 June 1, 93 May 10, 93 June 7, 93 May 24, 93 June 2, 93 June 7, 26, 30, 93
1976	83 Leonis.	2512	1540	29.6	21.7	+3 34	6.1	7.5	6.4	7.4	1.0	6.5	7.5			
V1978	7 Leonis.	2504	19'	94.8	22.8	+3 25	5.1	5.0	5.0	7.0	2.7	5.2	7.9			
V2022	93 Leonis	2358	7 ^{II}	74.3	42.8	+20 46	4.6	4.0	4.7	8.4	4.3	4.6	8.9			
V2166	17 Comae Ber.	2353	21'	145.4	12 23.8	+26 27	5.2	7.2	4.8	6.0	1.4	5.5	6.9			
2120	5 Corvi.	3482	Un.	24.	24.7	-15 57	3.1	3	3.0	9.0	5.3	3.1	8.4			June 7, 20, 26, 30, 93
V2137	24 Comae Ber.	2584	1657	20.4	30.0	+18 56	5.0	4.3	4.8	6.6	1.6	5.2	6.8			
V2155	7 Virginis.	2601	1670	2.4	36.6	-0 54	2.8	2.8	3.0	8.0	2.0	3.5	3.5			
V2184	35 Comae Ber.	2519	1687	28.6	48.4	+21 48	5.1	5.2	5.0	9.0	4.7	5.1	9.8			July 1, 93
V2188	32 H. Camd.	289	1694	21.8	48.3	+83 58	5.0	6.5	5.2	5.8	.5	5.5	6.0			
V2195	12 Can. Venet.	2580	1692	19.9	51.4	+38 52	3.0	3.0	3.4	5.6		2.9	5.5			June 26, 30, 93
V2224	8 Virginis	3430	1724	7.1	13 4.8	-5 0	4.4	4.3	4.0	9.0	2.8	4.6	8.3			July 1, 93
"	"	"	"	6.5	"	"	"	"	"	"	6.3	"	10.8			July 1, 93
V2264	3 Ura. Maj.	1598	1744	14.4	19.9	+55 27	2.4	2.0	2.6	4.1	1.6	2.6	4.2			June 1, 93
V2395	12 Bootis.	1782	1821	12.6	14 9.9	+52 16	4.4	4.5	5.0	7.1	2.1	4.5	6.6			June 30, 93
V2404	6 Bootis.	1784	3124	8.1	12.7	+51 50	4.8	4.5	4.9	8.3	3.4	4.8	8.2			July 1, 93

Tab. 2y. ^{Cor.} ^{Mean} ^{Reside.} Tab. 2y. ^{Cor.} ^{Mean} ^{Reside.} Tab. 2y. ^{Cor.} ^{Mean} ^{Reside.} ^{Final Mean.} ^{Final Reside.}

25 } 73.
39 }
27 93
28 "
29 "
267 93
293 93
18, 19,
73.
283 93
267 93
27, 46
11, 29, 30
93.
18 3
10, 19, 73
10, 17
7, 8, 93
24 16
7, 29 93
726 30
73.
7, 20
30. 93
July 1, 78
26, 29 30
193
21, 93
26, 18, 93
max 30. 13
July 1, 93
23 30, 14 6

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23-17.09.

H.P.No	Name	B.D.No.	Σ	Dist.	R.A.	Dec	H.P. Magn	B.D. Magn	Magn A.	Magn B.	Diff. at B	a.	B.
V2428	γ Virginis	2957	1846	3.7	23.1	-1 47	4.9	5.0	5.2	9.7	4.0	4.9	8.9
V2449	π Bootis	2768	1864	5.8	36.0	+16 51	4.6	3.8	4.8	5.8	.9	5.0	5.9
V2467	ϵ Bootis	2417	1877	2.6	40.6	+27 30	2.6	2.3	3.3	6.6	2.4	2.7	5.1
2480	α Librae	3966	—	22.9	45.4	-15 37	3.0	3	3.0	6.0	2.1	3.1	5.2
V2489	ξ Bootis	2870	1888	7.2	46.8	+19 31	4.6	5.0	4.6	6.9	2.0	4.8	6.8
V2521	44 Bootis	2259	1909	2.9	15 0.5	+48 2	4.9	4.5	5.2	6.2	.8	5.3	6.1
V2547	δ Bootis	2561	27'	104.9	11.5	+33 42	3.5	3.0	4.1	7.0	4.8	3.5	8.3
V2544	ζ Serpente	2943	1930	10.1	14.2	+2 9	5.1	5.0	5.0	10.1	4.6	5.1	9.7
V2561	μ Bootis	2636	28'	108.5	20.7	+37 43	4.4	4.0	4.5	6.5	2.4	4.5	6.9
V2590	δ Serpent.	2821	1954	2.7	30.0	+10 53	4.0	3.3	3.3	4.5	.9	4.4	5.3
V2614	ζ Corinae	2665	1965	6.0	35.6	+36 58	4.8	4.3	4.6	5.2	.9	5.2	6.1
2627	α Serpent.	3088	—	50.	39.3	+6 44	2.7	2.2	2.5	15.0	10.2	2.7	12.9
V2632	β Serpent.	2911	1970	30.6	41.6	+15 44	3.8	3.3	3.0	9.8	6.2	3.8	10.0
—	η Scipii	—	—	15.	53.4	-38 6	—	—	4.0	8.0	4.2	"	"
2690	β Scipii	4307	Unv.	13.1	59.6	-19 32	2.9	2	2.0	5.5	2.2	3.0	5.2
V2706	κ Herculis	2964	2010	31.2	16 3.6	+17 19	4.8	5.5	5.1	6.1	1.2	5.1	6.3
2714	ν Serpente	4333	—	40.	6.1	-19 12	4.2	4.5	4.0	7.0	2.2	4.3	6.5
V2730	σ Corinae	2750	2032	1.3	11.0	+34 6	5.3	5.7	5.1	6.4	.8	5.7	6.5
"	"	"	"	44.0	"	"	"	"	"	10.8	5.1		
2738	σ Scipii	—	—	20.	15.1	-25 21	3.0	3.4	4.0	9.5	5.4	3.0	8.4
2752	γ Corinae	2774	—	137.	18.7	+33 56	5.0	5.3	5.0	12.0	5.2	5.0	10.2
2766	η Dracon.	1591	—	4.7	22.6	+61 44	3.8	2.5	2.5	10.0	5.9	2.8	8.7
V2794	17 Dracon	1876	30'	90.4	33.9	+53 8	5.2	5.0	5.0	5.0	-1	6.0	5.9
V "	"	"	2078	3.7					5.2	6.2	1.1		7.1
2814	43 Herculis	3271	Unv.	83.7	41.0	+8 46	5.5	5.6	5.0	9.0	3.7	5.5	9.2
V2802	42 Herculis	2531	2082	22.4	36.1	+49 7	5.2	5.0	4.0	10.7	5.3	5.2	10.5
V2865	μ Dracon	1857	2130	3.2	17 32	+54 36	5.2	4.8	5.0	5.0	.1	5.9	6.0
2877	36 Cephei	—	—	5.	9.2	-26 27	4.7	—	4.5	6.5	.0	5.4	5.4

May 12, '93

May 12, '93
May 21, '96
May 12, '96

May 10, 11, 193.

Sept. 25, '96

May 10, 11, 12 '93

May 18, '93
Sept. 4, '93May 18, 193
June 5, 196

Tab. 2y. Mean. Cor. Reside Tab. 2y. Mean. Cor. Reside Tab. 2y. Mean. Cor. Reside Final Mean
Mean. Cor. Reside Mean. Cor. Reside Mean. Cor. Reside Mean.

y12, '93

12, '93
21, '96
y12, '960, '11,
93.

25, '96.

11, '12
9318, '93
4, '9618, '93
5, '96

1910-1910.

H.P.No.	Name.	B.D.No.	Σ	Dist.	R.A.	Dec.	H.P. May.	B.D. May.	Mag. A.	Mag. B.	Df. at B.	A.	B.
V2879	α Herculis	3207	2140	4.6	17.10.1	+14 30	3.2	var.	3.0	6.1	2.2	3.3	5.5
2884	39 Cepheus	—	—	12.1	11.9	-24 11	5.2	—	5.5	7.5	1.5	5.4	6.9
V2880	δ Herculis	3221	3127	26.1	11.0	+24 57	3.3	3.0	3.0	8.1	5.4	3.3	8.7
2897	V Serpente	4722	Un.	50.5	15.2	-12 45	4.4	4.5	4.0	8.5	4.5	4.4	8.9
V2914	ϕ Herculis	2878	2161	3.6	20.2	+37 14	4.1	4.0	4.2	5.0	.8	4.5	5.3
V2945	V Draconis	1944	35'	61.7	30.2	+55 15	4.9	5.2	4.8	4.9	-0	4.9	4.8
V2976	μ Herculis	2888	2220	29.9	42.6	+27 48	3.5	3.5	3.8	9.8	6.2	3.5	9.7
V2985	ψ Draconis	804	2241	30.9	43.7	+72 12	4.5	4.8	4.0	5.6	1.2	4.8	6.0
3017	67 Cepheus	3458	Un.	55.	55.7	+2 56	4.0	4.0	4.0	8.0	4.2	4.0	8.2
V3026	95 Herculis	3280	2264	6.1	57.2	+21 36	4.6	4.2	5.0	5.0	.0	5.3	5.3
V3037	70 P. Cepheus	3482	2272	4.0	18 0.4	+2 32	4.1	4.0	4.0	6.3	1.7	4.3	6.0
3062	μ Sagittarii	4908	—	4.0	7.8	-21 5	4.1	4.0	3.5	9.5	5.7	4.1	9.8
3062	"	"	"	4.5	"	"	"	"	"	10.0	5.4	4.1	9.5
V3090	η Serpente	4599	8 ^{II}	112.7	16.1	-2 56	3.4	3	3.3	12.0	7.5	3.4	10.9
3105	ϵ Sagittarii	5134	—	2.	19.4	-20 35	4.9	5.4	5.0	9.0	2.5	5.0	7.5
V3112	59 Serpente	3936	2316	3.9	22.1	+0 8	5.2	6	5.5	7.8	2.1	5.3	7.4
V3116	39 Draconis	1809	2323	3.1	22.4	+58 45	4.8	4.8	4.4	7.7	2.6	5.0	7.6
V "	"	"	36'	89.0	"	"	"	"	"	7.6	2.9	"	"
V3147	α Sgrae.	3238	9 ^{II}	43.0	33.6	+38 41	0.2	1.0	1.0	10.5	10.0	0.2	10.2
3171	110 Herculis	3926	—	55.	41.4	+20 27	4.2	4.1	5.0	16.0	8.9	4.2	13.1
3167	ϵ , 5 Sgrae.	3509	37'	207.1	41.1	+39 34	4.6	4.6	—	—	-0	5.3	5.3
V "	ϵ Sgrae.	2382	3.0	41.1	+39 32				4.8	6.5	1.0		
V3169	5 Sgrae.	3510	2383	2.6	41.1	+39 30	4.6	4.3	4.9	5.2	.2	5.3	5.5
V3172	3 Sgrae.	3222	38'	43.7	41.3	+37 30	4.3	4.5	4.4	5.5	1.4	4.4	5.8
V3193	β Sgrae	3223	39'	45.8	46.3	+33 15	3.6	var.	3.0	6.7	3.3	3.3	7.2
V3206	θ Draconis	1925	2420	30.3	49.7	+59 16	4.6	4.3	4.3	7.5	3.3	4.7	8.0
V3215	θ Serpente	3916	2417	21.6	57.2	+4 4	4.1	4.0	4.5	4.6	.9	4.5	5.4
V3291	η Sgrae	3490	2487	27.9	19.10.4	+38 58	4.5	4.5	4.0	8.3	3.8	4.5	8.4

May 9, 1933
June 1, 1936May 18, 1924
193.

[Sept 21, 1946]

May 29, 1933
June 1, 1933June 15, 1933
June 1, 1934

June 12, 1936

Sept. 16, 1936

May 18, 1933

June 16, 1933

May 12, 1933

June 16, 1933

June 19, 1933

June 25, 1933

June 19, 1933

June 2, 1934

June 2, 1934

Tab. 2y. Mean. Cor. Residuals. Tab. 2y. Mean. Cor. Residuals. Tab. 2y. Mean. Cor. Residuals. Tab. 2y. Mean. Cor. Residuals.

19°26'-24'0"

13826-240

H.P.No.	Name.	B.D.No.	Σ	Dist.	R.A.	Dec.	H.P. Magn.	B.D. Magn.	Magn. A.	B.	Diff. A-B	A.	B.	
✓3362	β Lygni	3410	43'	34.3	26.7	+27 45	3.0	3.0	3.5	5.6	2.1	3.1	5.2	June 15, '94 " 27, " " 28, "
3388	ε Sagittae	3918	Unv.	91.6	32.8	+16 14	5.6	5.2	4.7	7.7	3.1	5.7	8.8	June 15, '94 " 28, " " 29, "
✓3420	17 Lygni	3587	2580	25.7	42.5	+33 30	5.0	5.4	5.0	8.2	3.5	5.0	8.5	June 15, '94 " 28, " " 29, "
✓3466	ζ Sagittae	4254	2585	8.5	44.5	+18 53	5.0	5.0	5.1	9.2	3.7	3.6	7.3	June 15, '94 " 28, " " 29, "
✓3498	ε Draconis	1405	2603	2.8	20, 0.4	+64 32	5.4	5.0	4.0	7.6	3.0	5.5	8.5	June 15, '94 " 28, " " 29, "
✓3463	ψ Lygni	2572	2605	3.3	19, 53.1	+52 11	4.8	5.5	5.0	8.0	2.5	4.9	7.4	June 15, '94 " 28, " " 29, "
3486	26 Lygni	3158	Unv.	28.2	58.5	+49 49	5.2	5.1	4.5	8.2	3.9	5.2	9.1	June 15, '94 " 28, " " 29, "
✓3541	PK 63, α ² Cygni	3059	50'	106.8	20, 12.3	+47 24	4.1	5.0	3.7	6.5	3.2	4.2	7.4	June 15, '94 " 28, " " 29, "
✓3545	κ Cephei	764	2675	7.4	12.3	+77 25	4.4	4.8	4.2	8.2	3.7	4.4	8.1	June 15, '94 " 28, " " 29, "
✓3554	β Capricorni	5629	52'	205.0	15.4	-15 5	3.4	3	2.5	6.0	2.8	3.5	6.3	June 15, '94 " 28, " " 29, "
✓3605	β Delphini	4369	2704	32.5	32.8	+14 15	3.6	3.5	3.0	11.0	6.9	3.6	10.5	June 15, '94 " 28, " " 29, "
✓3643	52 Lygni	4167	2726	6.6	41.6	+30 21	4.3	4.3	4.3	9.4	4.8	4.3	9.1	June 15, '94 " 28, " " 29, "
✓3645	γ Delphini	4255	2727	11.9	42.0	+15 46	4.2	3.5	4.0	5.0	1.0	4.6	5.6	June 15, '94 " 28, " " 29, "
✓3701	f' Lygni	3133	2743	20.2	56.4	+47 8	4.6	5.3	4.7	9.0	4.5	4.6	9.1	June 15, '94 " 28, " " 29, "
✓3717	61 Lygni	4343	2758	15.3	21, 2.1	+38 13	5.1	5.0	5.1	6.0	.8	5.5	6.3	June 15, '94 " 28, " " 29, "
✓3735	δ Equulei	4746	2777	27.4	9.6	+9 36	4.6	4.7	4.1	10.2	5.8	4.6	10.4	June 15, '94 " 28, " " 29, "
✓3761	ι Pegasi	4691	11 ^{II}	36.2	17.5	+19 23	4.3	4.4	4.3	9.2	5.1	4.3	9.4	June 15, '94 " 28, " " 29, "
✓3798	β Cephei	1173	2806	13.6	27.4	+70 7	3.4	3.0	3.0	8.4	4.4	3.4	7.8	June 15, '94 " 28, " " 29, "
3836	ε Pegasi	4891	-	138.	39.2	+9 25	2.4	2.3	2.5	9.0	5.9	2.4	8.3	June 15, '94 " 28, " " 29, "
✓3840	μ Lygni	4169	2822	5.6	39.6	+28 18	4.4	4.5	4.6	6.0	1.5	4.6	6.1	June 15, '94 " 28, " " 29, "
✓3843	κ Pegasi	4463	2824	11.0	40.2	+25 11	4.2	4.1	3.9	10.8	5.7	4.2	9.9	June 15, '94 " 28, " " 29, "
✓3903	ξ Cephei	1882	2863	5.6	22, 0.9	+64 8	4.4	4.5	4.6	6.6	2.0	4.6	6.6	June 15, '94 " 28, " " 29, "
✓3970	ζ Aquarii	4365	2909	3.6	23.7	-0 32	3.8	3.3	4.0	4.3	.2	4.5	4.7	June 15, '94 " 28, " " 29, "
3983	β Pict. Aur.	-	-	2.9	25.9	-32 52	4.3	-	4.0	8.0	3.5	4.3	7.8	June 15, '94 " 28, " " 29, "
✓3981	δ Cephei	2548	58'	40.9	25.4	+57 54	4.0	var	3.0	5.3	2.5	4.1	6.6	June 15, '94 " 28, " " 29, "
✓4109	ψ Aquarii	6156	12 ^{II}	49.6	23 10.6	-9 38	4.5	5.0	4.2	9.0	4.6	4.5	9.1	June 15, '94 " 28, " " 29, "

Σ 13 ¹	α Androm.	0 ^h 1.9 ^m +28° 24'	65.0	2.0	11.2	0.1.1.10
Σ 5	34 Pisc.	3.6 +10 26	8.0	6.0	10.5	02.1.4
Σ 36	51 Pisc.	25.8 +6 15	27.4	5.0	9.0	02.1.20
*	π Androm.	31.5 +33 11	36	4.5	9.0	02.1.10 02.2.3
*	δ Cassiop.	34.8 +56 0	58.6	2.5	10.0	02.1.1
Σ 46	55 Pisc.	33.4 +20 45	6.4	5.0	8.2	
Σ 1'	P.O. 175, 176	39.7 +30 19	46.4	6.7	6.7	01.19.27
Σ 60	η Cassiop.	41.3 +57 9	9.7	4.0	7.6	02.1.25
Σ 61	65 Pisc.	43.1 +27 3	4.4	6.0	6.0	01.12.27
Σ 79	And. 164 B.	53.0 +44 5	7.6	6.0	7.0	01.12.12 02.1.4
+20 136, 157 (Σ 88)	ψ Pisc.	58.9 +20 48	29.9	4.9	5.0	
Σ 90	77 Pisc.	0 59.2 +4 15	32.8	5.9	6.8	
* +20 156, 157		1 0.4 +20 56		5.0	6.0	
Σ 99	ϕ Pisc.	1 7.0 +23 56	8.0	4.7	10.1	
Σ 100	3 Pisc.	7.1 +6 55	23.5	4.2	5.3	
Σ 3'	37 Ceti	8.1 -8 36	51.0	5.1	7.0	02.1.10
Σ 93	α Urs. Min.	13.0 +88 39	18.3	2.0	9.0	02.1.9
Σ 117	ψ Cassiop.	16.9 +67 30	32.2	4.4	8.9	02.9.22 1/2 wt.
Σ 131		25.4 +60 3	13.6	6.0	9.2	02.1.3 02.1.25
Σ 147	χ Ceti	33.5 -11 55	4.0	5.3	6.9	
Σ 145	P.O. 145	34.3 +25 8	11.3	6.0	10.6	02.1.3 02.1.1
Σ 180	γ Arietis.	46.6 +18 42	8.6	4.2	4.4	
Σ 182	56 Androm.	47.9 +60 41	3.6	7.0	7.0	03.2.18
* Σ 4'	P.O. 203	48.7 +36 39	177.5	6.0	6.0	02.1.10
	λ Arietis.	52.4 +23 7	38.1	4.9	7.7	04.1.4
201	3 ϵ Tauri.	55.5 +32 41	3.7	5.3	11.3	
202	α Pisc.	55.5 +2 9	3.6	2.8	3.9	
205	γ Androm.	1 56.3 +41 44	10.3	3.0	5.0	
227	2 Triam.	2 5.2 +29 43	3.6	5.0	6.4	

List of Doubles,
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Σ 231	66 Ceti	2	6.4	-3	1	15.5	6.0	7.8	✓✓
*	2 Ceti	2	14.3	-3	26	95.4	Var	—	
Σ 279	H.W. 47		27.8	+36	46	16.9	6.0	11.0	✓
Σ 281	2 Ceti		28.2	+5	2	7.7	5.0	9.6	✓ Vol, 19, 23
*	W Funacie		29.5	-28	40	11.	5.0	8.0	✓ Vol, 19, 24
+24° 375, 376			31.2	+24	13		7.5	7.0	✓ Vol, 19, 24
Σ 289	33 Arietis		33.3	+26	31	28.5	5.8	8.7	✓✓✓
Σ 295	84 Ceti		34.8	-1	14	4.9	6.0	9.2	✓
Σ 296	8 Persei		35.7	+48	43	15.4	4.2	10.0	✓✓
Σ 307	7 Persei		41.6	+55	23	28.0	4.0	8.5	✓✓
Σ 311	11 Persei		42.1	+16	58	2.3	4.9	8.4	✓✓
*	41 Arietis		44.1	+26	51	119.7	5.0	9.0	✓ Vol, 19, 22
Σ 318	20 Persei		45.6	+37	49	14.1	5.5	10.0	✓✓
Σ 331	P.II 220		51.9	+51	52	12.2	5.3	6.7	✓✓
*	8 Eridani	2	54.5	-40	52	9	5.0	6.0	✓
Σ 6'	Ceti 499 B.	3	3.1	+7	2	8.0	7.0	7.0	✓✓✓
Σ 390	Camel 4 Her.		20.5	+55	1	15.0	4.8	9.2	✓✓
Σ 401			23.8	+27	8	11.1	6.5	7.0	✓✓
Σ 422	P.III 98		30.8	+0	12	6.1	6.0	8.2	✓ Vol, 12, 27
Σ 430	39 Tauri B		34.0	+4	44	26.6	6.0	9.0	✓✓
Σ 431	0 Per = H.III 39		34.5	+33	34	20.0	4.2	9.5	✓
Σ 8'	7 Pleiades		40.1	+23	44	117.2	3.8	7.0	✓ Vol, 19, 23
Σ 452	30 Tauri		41.2	+10	46	8.9	4.5	9.5	✓ Vol, 2, 124
*	8 Eridani		44.9	-37	55	9	5.0	5.0	✓ Vol, 2, 123
Σ 464	8 Persei		46.3	+31	30	12.5	2.7	9.3	✓ Vol, 2, 120
Σ 470	32 Erid. H.II 36		48.1	-3	18	6.7	4.0	6.0	✓ Vol, 19, 22
Σ 471	8 Persei		49.5	+39	39	8.8	3.1	8.3	✓
Σ 485			56.9	+62	1	18.0	6.1	6.2	✓✓
Σ 495	179 Tauri B	4	0.6	+14	49	3.6	6.0	8.8	✓

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Σ 516	39 Erid.	4	8.3-10	35	6.3	60	9.0	02.3.5
Σ 518	40 Erid.		9.6	-7	48	25.3	40	9.1
* +5° 613, 614			10.1	+5	57		8.5	7.5
582	X Tauri.		15.1	+25	20	19.3	5.7	7.8
533	H I 72		16.3	+33	58	19.5	6.0	7.5
9'	K'K' Tauri.		17.9	+21	59	339.3	5.0	6.0
548			21.1	+30	5	142.0	6.0	8.0
10'	8'8' Tauri.		21.4	+15	38	337.4	4.7	5.0
550	1 Camel.		22.3	+53	38	10.1	5.1	6.2
552	H.N. 44		22.7	+39	43	9.0	6.3	6.5
2 ^{II}	X Tauri = 78 II 66		28.7	+16	16	109.0	1.0	11.2
*	88 Tauri.		30.2	+9	57	6.8	5.0	8.5
* -10° 958, 959			30.5	-9	57		8.2	7.3
Σ 572	4 And. B		30.6	+26	40	3.2	6.5	6.5
Σ 11'	5'0' Tauri.		32.1	+15	37	427.7	5.2	5.7
*	2 Tauri.		36.2	+22	46	6.2	5.0	8.0
Σ 590	55 Erid.		37.8	-9	1	9.1	6.2	6.7
Σ 610	7 Camel		47.2	+53	32	25.6	4.2	11.3
Σ 616	W Aurigae		50.6	+37	43	6.5	4.0	7.9
Σ 12'	323 Tauri B		53.9	+26	31	78.8	6.0	7.0
+3° 736, 737 (2627)			53.9	+3	26	21.3	6.3	7.0
Σ 13'	11+12 Camel		55.1	+58	49	181.3	5.0	6.0
* +3° 736, 737			55.3	+3	28		7.8	7.8
Σ 634	Camel 19 Her. 5		2.1	+79	4	34.0	4.5	7.9
Σ 655	Lepor		6.6	-12	1	12.8	4.3	10.5
Σ 654	3 Orionis		6.7	+2	45	7.1	4.7	8.5
Σ 653	14 Aurig		7.3	+32	33	14.7	5.0	7.2
Σ 668 ^{II}	3 Orionis		8.6	-8	21	9.1	1.0	8.0
Σ 3	Alm. H. 22		10.3	+40	0	103.6	5.2	8.7

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see p. 58

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Σ 1268	48 L. Cane	8	39.0 +29	13	30.5	44	6.5	✓
Σ 1273	2 Hydrae		40.2 +6	54	3.2	38	7.8	✓
Σ 1282	130 Lyn. B.		429 +35	30	3.4	70	7.0	✓
* Σ	1 Mrs. Maj.		524 +48	27	1.2	3.5	13.0	✓
Σ 1306	6 Mrs. Maj.		595 +67	39	4.6	5.0	8.2	✓
* -29° 19' 4" 3C. 9	394	9	5.7 -29	57		6.0	9.5	✓
Σ 1351	23 Mrs. Maj.		21.7 +63	36	22.8	3.8	9.0	✓ 0A.2.4.
Σ 1362			26.0 +73	38	4.9	7.0	7.0	✓
* A.C. 1347 3C. 9	3504		46.1 +45	16		5.6	9	✓
Σ 6	Regulus	10	1.7 +12	35	176.9	15.	8.4	✓ 503,2,3
Σ 1415	14 h 145		7.8 +71	41	16.7	6.1	7.0	✓
+22° 22' 20" (218)	35 Leonis.		9.6 +24	6	314.4	38	6.0	✓
Σ 1487	54 Leonis.		48.8 +25	26	6.2	5.0	7.0	✓
Σ 1495	14 V. III	10	52.0 +59	35	34.5	6.0	8.3	✓
Σ 1524	2 Mrs. Maj.	11	11.8 +33	46	7.1	3.7	10.1	✓
* Σ 19	7 Leonis.		21.5 +3	33	94.8	5.0	7.0	✓
Σ 1540	83 Leonis.		21.7 +3	34	29.6	6.4	7.4	✓ 03,2,6
Σ 1543	57 Mrs. Maj.		22.4 +40	1	5.4	5.2	8.2	✓ 01,6,28
Σ 1560	PXI 126		31.9 -1	43	5.1	6.0	10.2	✓
Σ 1561	290 Mrs. Maj.		32.2 +45	46	10.5	5.9	8.0	✓
Σ 7 ^{II}	93 Leonis		41.5 +20	55	74.3	4.7	8.4	✓
+47° 13' 14" (2157)	65 Mrs. Maj.		48.4 +47	11	3.7	6.0	8.3	✓
Σ 20	65 Mrs. Maj.		48.6 +47	10	62.9	6.1	8.3	✓
Σ 1596	2 Com. Ber.	11	57.9 +22	10	3.7	6.1	6.5	✓
Σ 1615		12	7.8 +33	30	26.9	6.0	8.2	✓
Σ 1622	2 Can. Ven.		9.7 +41	20	11.4	5.7	8.0	✓
Σ 1625			10.2 +80	50	14.3	6.5	7.0	✓
Σ 1627	PXI 32,33		11.6 -3	13	20.1	5.9	6.4	✓
+26° 23' 33" (221)	17 Com. Ber.		22.6 +26	36	145.4	4.8	6.0	✓

*	J Corvi	12	24.7	-15	57	24	3.0	9.0	V02,4,19
Σ 1657	24 Corv Ber		28.7	+19	5	20.4	47	6.2	V02,4,16 V02,5,5
Σ 1669	58 Corvi. B.		34.8	-12	17	5.4	6.5	6.5	V02,6,25
Σ 1678			39.3	+15	3	32.6	6.3	7.0	V01,6,21 V02,4,23
Σ 23	32.33 Corv Ber		46.1	+17	46	194.8	53	6.1	V01,6,22
+84° 289,290 (Σ 169)	Camel 32 Mw.		48.3	+84	4	21.8	49	5.4	V1901-4-29
Σ 1692	12 Can. Ven.		50.2	+39	0	199	3.2	5.7	V1901-3-27
Σ 1704	44 Virginis	12	53.1	-3	8	21.3	60	11.2	V1901-6-5
Σ 1724	8 Virginis	13	3.4	-4	52	7.1	4.0	9.0	V1901-6-3
	"					6.5	4.0		V1901-6-3
Σ 24	15.17 Can. Ven.		4.1	+39	10	2900	5.5	5.9	V02,4,17
Σ 25	34.35 Bodi Draconis		8.8	+67	57	178.8	5.9	6.3	V02,4,16
+55° 1598 (Σ 174)	3 Mrs. Maj.		19.0	+55	36	14.4	2.1	4.2	V02,4,16
* +65° 935, 936			23.7	+65	15		6.7	6.7	V02,4,16
Σ 1777	84 Virginis	13	37.1	+4	11	3.4	5.8	8.2	V02,4,26
Σ 1821	K Bootis	10	8.9	+52	23	12.6	5.1	7.2	V02,4,19 V02,5,5
Σ 3124	L Bootis		11.9	+51	57	38.1	4.9	7.5	V02,4,16 V02,4,23
Σ 1833	PX 62		16.0	-7	11	4.9	7.0	7.0	V01,6,11
Σ 1835	PXIV 69		17.2	+8	59	6.1	5.5	6.8	V01,6,19
* -19° 387, 3880			19.9	-19	31		7.3	7.0	V02,27,1901
Σ 1846	P Virginis		21.9	-1	39	3.7	5.2	9.7	V02,27,1901 V01,5,1
Σ 1850			22.9	+28	50	25.7	6.1	6.7	V03,3,6
Σ 1864	π Bootis		34.8	+16	58	5.8	4.9	6.0	V01,6,6
A.C. 19997, 19998			40.2	-25	1		5.2	7	V01,6,19
*	α Libral		45.4	-15	37	22.9	3.0	6.0	V01,6,19
Σ 1888	ε Bootis		45.5	+19	37	7.2	4.7	6.6	V02,4,23
Σ 1890	39 Bootis		45.6	+49	14	3.7	5.8	6.5	V02,4,23
Σ 1894	18 Libral		52.2	-10	36	19.5	6.0	10.2	V02,4,23
Σ 1904	14. n. 37.		57.8	+5	57	9.6	7.0	7.0	V02,5,31

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21910	PXIV 279	15	1.5 + 9	42	3.8	7.0	7.0	✓
21919	HW 62		7.2 + 19	47	24.8	6.1	7.0	✓ 102,5,22
227	♂ Bootis		10.5 + 33	47	104.9	32	7.4	✓
21930	5 Serpentis		12.8 + 2	15	10.1	5.0	10.0	✓
228	^{PXV 74} u Bootis		19.7 + 37	47	108.5	40	19.8	✓ 102,5,9
21962	178 Lehae B		31.9 - 8	20	11.8	6.3	6.4	✓ 190,4,6 ✓ 102,5,30
21965	♂ Coronae		34.6 + 37	1	6.0	4.1	5.0	✓
21972	π ¹ u. min.		36.2 + 80	52	30.2	6.1	7.0	✓ 102,4,26
*	α Serpentis		39.3 + 6	44	5.0	2.5	15.0	✓
21970	β Serpentis		40.3 + 15	47	30.6	30	9.2	✓
A.J.C. 21586, 21587	ξ Lupi		50.5 - 33	40		5.6	6.2	✓
*	η Scorpii		53.4 - 38	6	15	4.0	8.0	✓
* 19° 4307, 4308	β Scorpii	15	59.6 - 19	32	13.1	2.0	5.5	✓
* 17° 2964, 2965 (2.2010)	γ Herculis	16	2.3 + 17	23	31.2	5.0	6.0	✓
* 47 2714	γ Serpentis		6.1 - 19	12	42.0	4.0	7.0	✓ 102,6,27 ✓ 102,6,2
* 2021	49 Serpentis		7.5 + 13	51	3.2	6.7	6.9	✓ 102,4,19
* 2032	♂ Coronae		11.0 + 34	6	44.0	5.1	6.4	✓ 102,4,16
*	♂ Scorpii		15.1 - 25	21	20	4.0	9.5	✓
229	ν ¹ Coronae		17.6 + 34	2	37.9	4.8	5.1	✓ 102,5,10 ✓ 102,5,15 ✓ 102,5,21 ✓ 102,4,23 ✓ 102,5,13 ✓ 102,5,20
*	ν ² Coronae		18.7 + 33	56	137	5.0	12.0	✓
*	η Draconis		22.6 + 61	44	4.7	2.5	10.0	✓
22063	π II 62		28.1 + 45	52	16.2	5.7	8.2	✓
230	16,17 Draconis		33.1 + 53	11	90.4	5.0	5.0	✓ 102,4,19
22078	17 Draconis		33.3 + 53	9	3.7	5.0	6.0	✓
231	36,37 Herculis		34.4 + 4	27	69.7	6.0	7.0	✓
* 20 4536, 4537			34.6 - 20	12		8.8	6.5	✓
22082	42 Herculis		35.3 + 49	10	22.4	4.0	10.7	✓
22096	19 Ophiuchi		40.8 + 2	17	22.3	6.0	9.3	✓
*	43 Herculis		41.0 + 8	46	83.7	5.0	9.0	✓ 01,6,11 ✓ 01,6,12 ✓ 01,6,13 ✓ 01,6,14 ✓ 01,6,15 ✓ 01,6,16 ✓ 01,6,17 ✓ 01,6,18 ✓ 01,6,19 ✓

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v04, 6, 27

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22103		16	44	+13	27	5.7	5.2	10.0	✓
22115	192 Her. B.		55.8	+15	6	19.1	5.7	10.5	✓
233	3334 Ophiu.	16	58.0	+13	46	29.25	5.8	6.3	✓ 101,7,8 ✓ 102,5,29 ✓ 102,5,28
22130	u Draconis	17	2.8	+54	38	3.2	5.0	5.1	✓
22140	2 Herculis.		8.9	+14	32	4.6	3.0	6.1	✓ 101,6,18
* 23127	36 Ophiuchi		9.2	-26	27	5	4.5	6.5	✓
* 23127	5 Herculis.		9.8	+24	59	26.1	3.0	8.1	✓✓
* 23127	39 Ophiuchi		11.9	-24	11	12.1	5.5	7.5	✓
	v Serpentis.		15.2	-12	45	50.5	4.0	8.5	✓ 101,6,21 ✓ 101,7,12
22160	P ^{XVII} 94		19.0	+15	44	4.1	5.5	10.0	✓
22161	u Herculis.		19.2	+37	18	3.6	4.0	5.1	✓
22166			22.1	+11	31	27.5	5.6	7.4	✓
234	53 Ophiuchi		28.6	+9	40	41.1	5.6	7.3	✓
235	v ^u Draconis.		29.7	+55	16	61.7	4.6	4.6	✓
22190	P ^{XVII} 163		30.8	+21	5	10.2	6.0	9.5	✓
22202	61 Ophiu.		38.4	+2	38	20.5	5.5	5.8	✓ 102,6,9
22220	u Herculis		41.6	+27	49	29.9	3.8	9.5	✓
22241	u Draconis.		44.6	+72	13	30.9	4.0	5.2	✓
* 22345, 3459	67 Ophiuchi		55.7	+2	56	5.5	4.0	8.0	✓ 101,7,3 ✓ 101,9,21 ✓ 101,6,21 ✓ 101,9,19
22264	95 Herculis		56.2	+21	35	6.1	4.9	4.9	✓
22272	70 Ophiu.		59.1	+2	33	4.0	4.1	6.1	✓
22276	P ^{XVII} 362	17	59.9	+12	2	6.8	6.0	7.0	✓
22280	100 Herculis.	18	2.6	+26	5	13.8	5.9	5.9	✓
* 22280	u Sagittarii		7.8	-21	5	4.0	3.5	9.5	✓
	"		"	"	"	4.5	3.5	10.0	✓ 101,10,10
22308	40,41 Draconis.		9.4	+79	59	20.6	5.4	6.1	✓ ✓ 102,5,16
28 ^{II}	u Serpentis.		14.8	-2	55	112.7	3.3	12.0	✓
2316	59 Serpentis.		20.8	+0	6	3.9	5.5	7.8	✓
2323	39 Draconis.		22.0	+58	44	3.1	4.7	7.7	✓

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£ 36'	39 Draconis . 18	22.1 +58 45	89.0	47	7.1	✓
£ 2322	47 Tauri Pon B.	23.6 +3 58	19.6	57	11.0	✓
£ 2325	29 Scuti Sol. B.	24.6 -10 52	12.4	60	9.0	✓ 02, 7, 8
£ 2342	55 Tauri Pon B.	27.4 +4 50	26.9	57	8.5	✓
£ 2348	190 Draco. B.	30.9 +52 15	25.7	59	8.1	✓
£ 2349	38 Lyrae B	32.0 +33 21	7.3	55	10.7	✓
£ 9	2 Lyrae	32.7 +38 40	43.0	10	10.5	✓
£ 2379	5 Aquilae	37.9 -1 6	13.2	56	7.4	✓
£ 38'	3 Lyrae	40.5 +37 28	43.7	42	5.5	✓
* £ 37'	110 Hercules.	41.4 +20 27	55	50	16.0	✓
* £ 37'	E, 5 Lyrae.	41.1 +39 34	20.7	1		✓ 01, 2, 12 ✓ 01, 2, 8 ✓ 01, 2, 15
£ 2404	78 Tauri Pon B.	44.9 +10 50	35	5.8	7.0	✓
£ 39'	3 Lyrae	45.4 +33 13	45.4	3.0	6.7	✓ (07. 7. 10)
£ 2420	8 Draconis	49.3 +59 15	30.3	4.6	7.6	✓
£ 2417	8 Serpenti.	50.2 +4 1	21.6	40	4.2	✓ 01, 7, 1
£ 2424	11 Aquilae 18	53.1 +13 29	18.7	5.7	9.2	✓
£ 2461	17 Lyrae 19	26 +32 19	3.7	5.7	9.8	✓
£ 2486	6 Cygni. B	8.8 +49 36	10.5	60	6.5	✓
£ 2487	11 Lyrae	9.6 +38 57	27.9	40	8.1	✓
£ 2492	23 Aquilae	12.1 +0 49	3.4	5.5	9.5	✓
£ 40'	{ 3x Aquilae + 1x 55	12.3 +0 9	42.3	6.0	6.2	✓
£ 41	2, 3 Sagittae	19.0 +16 43	33.2	59	6.7	✓ 01, 7, 25 ✓ 01, 7, 24 see re.
£ 2521	P. 128	21.0 +19 40	22.6	55	10.3	✓
£ 42	6, P. Vulpec.	23.6 +24 28	39.2	4.4	5.7	✓ 07. 7. 1.
£ 2532	P. 144	23.6 +2 38	34.9	6.0	10.2	✓ 01, 2
£ 43	3 Cygni.	25.7 +27 42	34.3	30	5.3	✓ 02, 6, 28 ✓ 07. 7. 2.
£ 44	E Sagittae	31.1 +59 51	76.6	5.2	7.2	✓ 01, 19, 10 ✓ 01, 19, 30 ✓ 01, 19, 28 ✓ 01, 6, 19
£ 45'	15 Aquilae B. 19	36.4 -8 35	96.5	6.5	6.9	✓

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					Dist.	mag.	
Σ K6	16 Cygni.	9	38.5 +50 15	37.3	5.1	5.3	✓ 01.7.1. (07.6.12.)
Σ 2580	17 Cygni.		41.5 +33 28	25.8	5.7	8.1	✓ 07.7.3.
Σ 2585	3 Sagittae		43.4 +18 50	8.5	5.7	8.8	✓
Σ 10	2 Aquilae		44.6 +8 32	15.2.4	1.5	10.2	✓
Σ 48	PXX 320, 321		47.9 +19 59	42.2	6.7	6.8	✓
Σ 2594	57 Aquilae		48.1 -8 34	35.6	5.2	6.2	✓ 02.6.24
Σ 2605	7 Cygni.		52.4 +52.6	3.3	5.0	7.5	✓ 01.6.26
* Σ 2640	26 Cygni.	19	58.5 +49 49	28.2	4.5	8.2	✓ 01.6.25 ✓ 01.6.27
Σ 2637	8 Sagittae	20	32 +63 30	4.9	6.0	9.9	✓
Σ 50	50.0 Cygni 8		4.4 +20 32	11.4	6.0	8.3	✓
Σ 51	PXX 63		9.6 +46.22	33.7.8	3.7	5.0	✓ 1.7.22 ✓ 07.24
Σ 51	2.1 Capric.		10.8 -12 55	37.4.5	3.2	4.2	✓ 01.3.19 ✓ 07.23 ✓ 07.6.22
Σ 2675	14 Cephei.		13.2 +77 18	7.4	4.0	8.0	✓
Σ 52	3 Capricorni.		13.7 -15 11	20.5.0	2.5	6.0	✓ 01.7.3
* -29° 16.920, 16.981			16.2 -29 30		8.8	7.3	✓ 01.7.1 ✓ 01.7.30
Σ 2677	PXX 116		18.2 +0 38	33.2	6.0	10.5	✓ 01.9.16 ✓ 01.9.23
Σ 2704	3 Delphini.		31.6 +14 9	32.5	3.0	11.0	✓
Σ 53	48 Cygni.		32.5 +31 7	178.1	6.0	6.1	✓ 01.10.26
Σ 2726	PXX 243		40.5 +30 14	6.6	4.0	9.2	✓ 02.6.18
Σ 2727	52 Cygni.		41.1 +15 39	11.9	4.0	5.0	✓ 01.10.26
Σ 2743	4 Delphini.		53.5 +47 2	20.2	4.7	9.0	✓
Σ 2758	59 Cygni.	20	0.9 +38 6	15.3	5.3	5.9	✓ 07.11.15.
Σ 2762	61 Cygni.	21	3.3 +29 43	3.5	6.0	8.0	✓
Σ 54	PXX 1		4.6 +9 36	366.2	4.2	5.7	✓
Σ 2777	7 Equulei		8.4 +9 30	27.4	4.1	10.2	✓ 01.11.9
Σ 2790	8 Equulei		13.7 +38 6	4.5	5.6	9.9	✓ 01.11.2
Σ 11	1 Pegasi.		16.2 +19 10	36.2	4.5	8.6	✓
Σ 55	(323, 324) (Cygni B.)		18.6 +36 50	365.4	6.0	6.6	✓ 07.11.15.
Σ 2806	3 Cephei.	21	26.9 +70 0	13.6	3.0	8.0	✓

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Σ	Star	RA	Dec	Mag	Parallax	Proper Motion	Radial Velocity	Distance	Notes
Σ 2809	4 IV 38?	21	30.8 - 0	5.9	31.1	6.0	8.4	10.17, 27	
Σ 56	3 Pegasi		31.5 + 6	3	39.1	6.0	7.4	10.1, 6.29	
Σ 57	(12, 123) (Cygni B)		31.8 + 66	11	179.1	6.5	6.5	10.1, 6.28	10.2, 6.23
Σ 2822	u Cygni		38.4 + 28	12	5.6	4.0	5.0		
Σ 2824	1 K Pegasi		39.0 + 25	5	11.0	3.9	10.8	10.2, 7.29	
* Σ 2840	E Pegasi		39.2 + 9	25	13.8	2.5	9.0	10.2, 1.1	
Σ 2840	147 Cephei B		47.6 + 55	11	20.0	6.0	7.0	10.1, 3.0	
Σ 2838	100 Aquarii B		47.8 - 3	52	21.6	6.0	8.8		
Σ 2863	5 Cephei	21	59.9 + 64	0	5.6	4.7	6.5		
Σ 2873	180 Cephei B	22	2.9 + 82	15	13.8	6.2	7.0		
Σ 2869	129 Pegasi B		4.1 + 14	1	22.7	5.8	11.8		
Σ 2893			10.7 + 72	43	28.8	5.5	7.6		
Σ 2894	XXXII 65		13.4 + 37	9	15.3	6.0	8.2		
Σ 2909	5 Aquarii		22.3 - 0	40	3.6	4.0	4.1		
Σ 58	5 Cephei		24.5 + 57	46	40.9	3.0	5.3		
Σ 2922	8 Lacertae		30.4 + 38	59	22.5	6.0	6.5		
Σ 2943			41.0 - 4	59	30.7	6.0	9.2	10.1, 10.28	
Σ 2960	16 Lacertae		50.5 + 40	57	63.5	6.0	9.0	10.1, 10.26	10.1, 10.29
Σ 59	8384 Aquarii	22	58.7 - 8	14	262.1	5.6	7.0	10.2, 1.20	
Σ 2982	57 Pegasi	23	3.2 + 8	0	32.6	5.9	10.5	10.2, 1.1	
Σ 12	4 Aquarii		9.3 - 9	46	49.6	4.5	8.5	10.1, 1.2	
Σ 2998	94 Aquarii		12.4 - 14	8	13.4	5.2	7.2	10.1, 1.19	
Σ 60			29.2 + 59	45	247.2	6.4	6.5	10.1, 1.30	02, 1.20
Σ 3042	28 Androm B		45.9 + 37	12	4.2	7.0	7.0	10.2, 1.4	
Σ 3050	37 Androm B		53.2 + 33	3	3.8	6.0	6.0	10.2, 7.18	
* Σ 3053			55.2 - 44	51		6.5	9.0	10.2, 10.16	
Σ 3053		23	56.3 + 65	22	15.2	6.0	7.5		

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40E 11	May 10	58
Mar 15	June 19	29
Aug 16	10	357
Dec 16	19	304
Dec 12	10	
Dec 9	19	
9 8	Mar 10	
B. 10	June 19	
97	27	
108	34	
205	108	

0-2	3	5	2	4	4	4	6	9	5	0	7	2	2	53
1-3	0	2	0	2	3	4	2	1	1	1	3	2	0	21
														74

The Double Stars below comprise a list for which Prof. P. wanted results and information, from my observations, for insertion in his volume. The below comprises the results furnished him.

The material on pp. 150, 151 and 152 of this book given, in full, to Prof. P. on Oct. 11. 1906.	R.A.		Dec.		Direction of Str. companion from my obs.	No. Obs.	Mean obs. Diff. Magn.	
	1 st	40.0	+10°	40'	Str. comp. is north.	(3)	0.22	
	1	50.0	+36	47	" " " north prec.	(6)	0.16	
	2	4.2	+32	34	Not on obs. list	—		
	4	10	(+5° 613, 614)		Str. comp. is north prec.	(3)	0.60	
	4	32.2	-2	59	" " " " "	(3)	0.21	
	6	39.9	+55	49	" " " north fol.	(3)	0.05	
	7	30.1	-23	15	" " " south fol.	(2)	0.15	
	8	20.7	+27	16	" " " north fol.	(2)	0.02	
	12	36.6	-0	54	Stricken out of list. (Dist. 2".4)	—		
	14	59.2	+5	52	Str. comp. is north prec.	(4)	0.22	
	15	33.2	-2	22	" " " south prec.	(7)*	0.00	
	16	16.6	+34	2	" " " south fol.	(4)	0.20	
	16	33.9	+53	2	See note.	(3)*		
	16	59.1	+13	44	Str. comp. is south fol.	(5)	0.25	
	17	3.2	+54	36	See note on p. 152.	(2)	0.03	
	17	9.2	-26	27	Not observed. (5") (4.5, 6.5).	—		
	17	30.3	+55	14	Str. comp. is north prec.	(4)	0.16	
	17	57.2	+21	36	" " " south prec.	(4)	0.11	
	18	3.2	+26	5	See note on p. 152.	(3)*	0.01	
	19	9.5	+49	39	Str. comp. is south prec.	(4)	0.22	
	19	39.1	+50	12	" " " south fol.	(4)	0.12	
	20	33.4	+31	13	" " " " "	(5)	0.12	
	21	12.0	+60	21	Not on obs. list.	—		
	21	19.3	+36	50	Beyond range of phot. (Dist. 36".4) —	—		
	21	54.7	+65	41	Not on obs. list.	—		
	22	1.9	+22	23	Str. comp. is north fol.	(3)	0.25	
	22	23.7	-0	32	" " " north prec.	(1)	0.16	

A star against "No. Obs." indicates that one of the wants had a P.A. ~~for~~ 100° from the others so that this was taken into account in taking mean Diff. Magn.

Continued from previous page.

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P. A. Dist. Shower. keep.
0.0 2.6 4.2, 4.4

14 settings.

24 "

12 "

16 "

12 "

8 "

8 "

—

16 "

30 "

16 "

16.1) $\Delta t = 16$ "

17) $\Delta t = 14$ "

12 "

8 "

—

205.1 3.2 5.0, 5.0

313.0 6.7 4.2, 4.9

261.7 6.1 5.0, 5.0

24 "

20 "

12 "

16 "

22 "

20 "

—

—

—

10 "

359.6 3.6 4.0, 4.3

4 "

Con. from previous page.Notes.

16, 17 Drac. $16^h 33^m 9^s +53^\circ 2'$ $\frac{\text{Diff. Magn. (Std.)}}{0.09}$ Btr. comp. of $\Sigma 2072$ compared with southern companion.
 Southern comp. (1.5 distant) btr.
 0.22 Same conditions as in previous meas't. Southern btr.
 0.24 Combined light of $\Sigma 2072$ compared with southern comp. $\Sigma 2072$ btr.

$\Sigma 2072$, 17 Drac. (Dist. 4") 1.04 South fol. comp. ftr. in all
 0.06 the meas'ts.
 $\frac{1.04}{\text{mean } 0.92}$

$\Sigma 2130$ $17^h 32^m +54^\circ 36'$ 0.01 North fol. comp. ftr.
 $\frac{0.07}{2/0.06}$ South fol. " "
 0.03

$\Sigma 2220$ $12^h 34^m +26^\circ 5'$ 0.03 Northern comp. ftr.
 0.03 Southern " "
 $\frac{0.02}{3/0.02}$ " " "
 0.01

Rev. H. P. 7240 $20^h 26^m (1900) +10^\circ 57'$ 0.20 Holl. is btr. by meas'ts. (07, 12, 21)
 $\frac{0.23}{\text{mean } 0.22}$ " " " " " (" " 24)

Nova Aurigae.



Star s fol r 6.2 sec. and is 6.3 south.
(r is the middle star in the bow)

Nova proc. s 3.3 sec. and is 1.3 south.

(See Astronomy and Astro-Physics Vol. VI.
p. 230. — also A 61. p. 57.)

