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## STRUCTURE OF NGC 2420

### ABSTRACT

A new examination of the structure of NGC 2420 has been made according to Kholopov's method. 1890 stars were measured between the circles of about 6' and 25' radius centred on the cluster, for which photographic B,V magnitudes and positions were obtained down to the limiting magnitude of plates ( $17^m.8$  in V) but in constructing the density distributions stars down to  $17^m.5$  were chosen. A literature determination of the proper motion of stars in a circle of 12' radius was used to define the place and shape of the C-M diagram. Around this diagram bands of  $0^m.1$ ,  $0^m.2$  and  $0^m.3$  width in B-V were drawn to select the members of the cluster. The stars were separated into four groups and surface density distributions were made for the whole cluster and for each subgroup. The distributions of the stars reveal two different parts of the cluster: the core has a radius of 5.1 pc, whereas the halo extends as far as 12.7 pc. The brighter stars belong to the core and many of fainter ones to the halo - as might be expected from the theory. The whole halo seems to be steady against the irregular forces of background stars but the outer part of the halo from 8.2 pc radius is not stable against the tidal force.

### INTRODUCTION

As early as at the beginning of this century *Shapley* (1916) pointed out that outside an inner dense part in M 67 the density is ten times higher than the density of the background typical in this galactic latitude. According to *Shapley* the well-defined part with 6.5 radius in M 67 is only the core of a more extensive cluster. In 1922 *Trumpler* obtained similar result for Pleiades, Praesepe, h Persei, M 11 and M 37. This phenomenon has been investigated fairly accurately by *Kholopov* (1953, 1968) and *Artuhina* (1966) since 1953. They have studied about twelve clusters, both open and globular ones and have found that each cluster consists of two main parts: core and halo.

A preliminary examination of the open cluster NGC 2420 was made by the author (1977, hereinafter Paper I) in accordance with *Cannon's* photometry. The area of 12' radius centred on the cluster measured by *Cannon* proved too small to demonstrate the halo of the cluster which seems to extend further than 12'. The aim of present work is to investigate a larger area around the cluster following *Kholopov's* method described in Paper I and to define the radius of the halo.

## OBSERVATIONAL MATERIAL

From the observational point of view, the open cluster NGC 2420 is highly appropriate. Its galactic coordinates are:  $l^{\text{II}}=198^{\circ}$ ,  $b^{\text{II}}=+20^{\circ}$ . Because of the high galactic latitude the interstellar reddening has only a small value and the density of the background stars is considerably smaller than in the galactic plane. The observations were carried out with the 60/90/180 cm Schmidt telescope of Konkoly Observatory's mountain station in the period 1976-1977. B,V colours were derived for 1890 stars brighter than  $17.8^{\text{m}}$  photographic magnitude. The photometry is based on five plates taken in each colour. The emulsion types, filters and exposure times used are given below:

	plate	filter	exposure time
B	Kodak 103a-O	Schott GG <sub>13</sub> 2mm	30 <sup>m</sup>
V	Kodak 103a-D	Schott GG <sub>14</sub> 2mm	30 <sup>m</sup>

The international system is connected with the instrumental system by the equations:

$$V_{\text{instr}} = V - 0.112(B-V) + 0.074$$

$$(B-V)_{\text{instr}} = 0.933(B-V) + 0.029$$

The plates were measured with Konkoly Observatory's Cuffey-type iris photometer using 15 photoelectric standards taken from West's article (1967). The mean errors of the photographically determined colours are  $\pm 0.06^{\text{m}}$  in both B and V. The scale of the Schmidt plates did not allow the measurement of the stars in the centre of the cluster. The stars were measured between the circles of about 6' and 25' radius centred on the cluster, as identified on the chart shown in Fig. 6 a,b,c,d. The magnitudes and positions are listed in the Table.

The inner part of the cluster was studied by the photometry of West (1967), Cannon and Lloyd (1970) and McClure et al. (1974). There are overlaps between these works and the area measured by the author. Stars in the overlapping areas were used to transform

the magnitudes into a common system. The magnitudes were not corrected for interstellar reddening because its values are negligible. According to McClure et al. (1974)  $E(B-V) = 0^m.02$  and  $E(U-B) = 0^m.02$ .

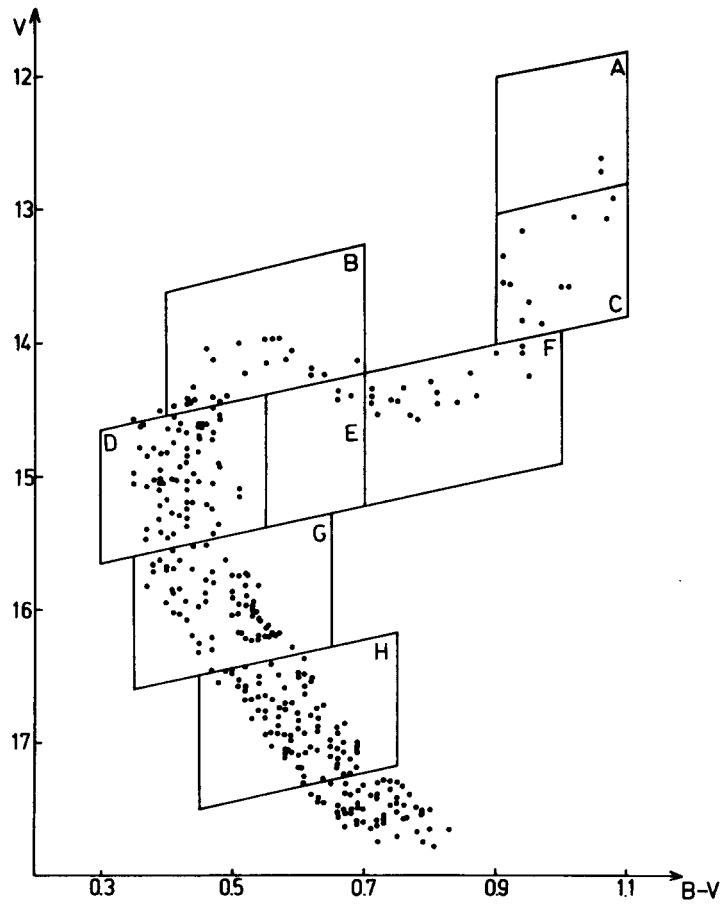


Fig. 1 The C-M diagram of NGC 2420

When studying the structure of open clusters according to density distribution we have to pay great attention to the construction of density distribution curves. In the early fifties *Kholopov* (1953) began to deal with this problem and discussed in detail which parts of the examination need special care.

- a. Since in the clusters there are stars of different mass and they play a different role in the dynamic evolution of clusters, it is very useful to separate them into different subsystems. For this purpose the cluster was divided into subsystems by boxes according to Cannon's article on the C-M diagram (Fig.1). The size of the boxes also depends on the number of stars belonging to the box. The boxes marked A,B, C,E and F were treated together because of the small number of stars in each box. The stars in these boxes all are giants, so they play a similar role in the dynamic evolution of clusters. Density distributions were made for the whole cluster and the following subgroups:

A+B+C+E+F group - containing the brightest stars ( $m \sim 1.2 M_{\odot}$ )

D group - containing the turn-off point of the cluster  
( $m \sim 1.2 M_{\odot}$ )

G group - where  $m \sim 1.0 M_{\odot}$

H group - where  $m \sim 0.8 M_{\odot}$

- b. Cannon and Lloyd (1970) determined the proper motion of stars in NGC 2420 in a circle of 12' radius. McClure et al. (1974) using their own photometry and Cannon's proper motions, made the C-M diagram of the cluster for which they fitted a theoretical diagram. Around this diagram, bands of  $0^m.1$ ,  $0^m.2$  and  $0^m.3$  width in B-V were drawn to investigate that particular width in which the ratio of member stars to non member stars is suitable. This means that most of the member stars of the cluster belong to the band but the number of non member stars is as small as possible. In Fig.2 a,b,c the cumulative frequency distribution can be seen for different width versus distance measured from the centre. The number of the stars in a circle of  $r$  radius ( $N(r)$ ) comes from the

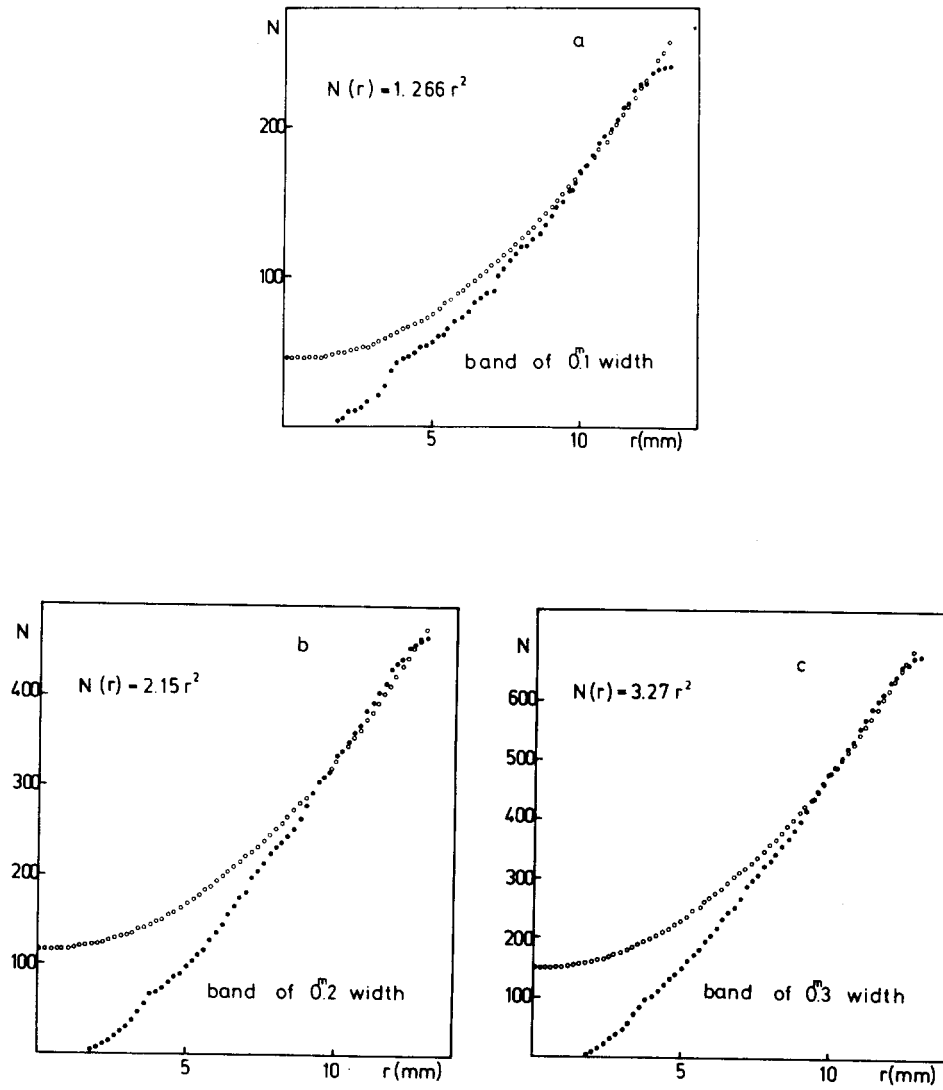


Fig. 2 a,b,c The cumulative frequency distributions for bands of  $0.1^m$ ,  $0.2^m$  and  $0.3^m$  width in B-V.

number of member stars and background stars. Supposing uniform distribution of background stars, a parabola can be fitted for the outer part of the cumulative frequency distribution. According to the investigation the right width is around  $0^m.2$ . Adopting Cannon's result that the natural width of the C-M diagram of NGC 2420 is less than  $0^m.1$  and taking the error of BV photometry to  $0^m.1$ , the final width of the band was chosen to be  $0^m.15$ .

- c. The position of the measured stars in the Cartesian coordinate system on the plate can be found in the Table. The zero

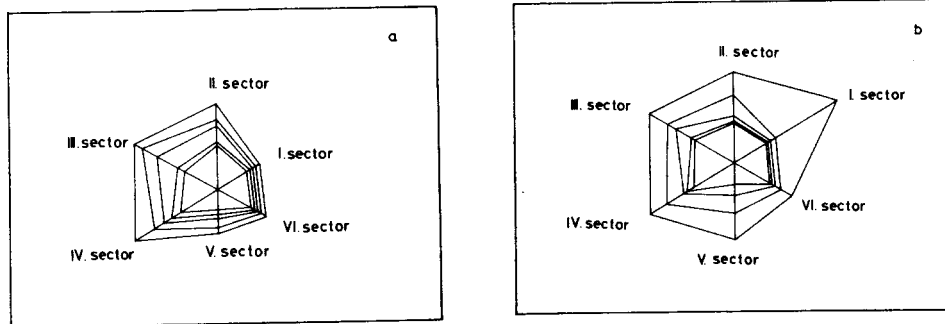


Fig. 3 a,b The equal density curves before the modification of the centre and after it.

point of the coordinate system is the star named II-1-20 by West (1967). As a first approximation this point was chosen for the centre of the cluster, but the equal density curves became asymmetrical. As a second approximation the arithmetical mean was used for the centre. After correction, the equal density curves are much more symmetrical (Fig. 3 a,b).

- d. In accordance with Kholopov's method described in Paper I the surface density distribution was made for the whole cluster and for each subgroup. The curves concern the outermost part of the cluster (Fig. 4 a,b,c,d,e).



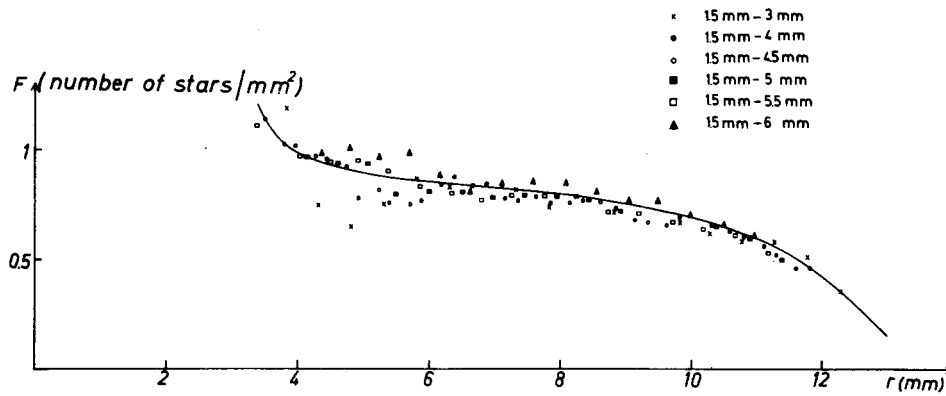


Fig. 4 a Density distribution curve for the whole cluster.

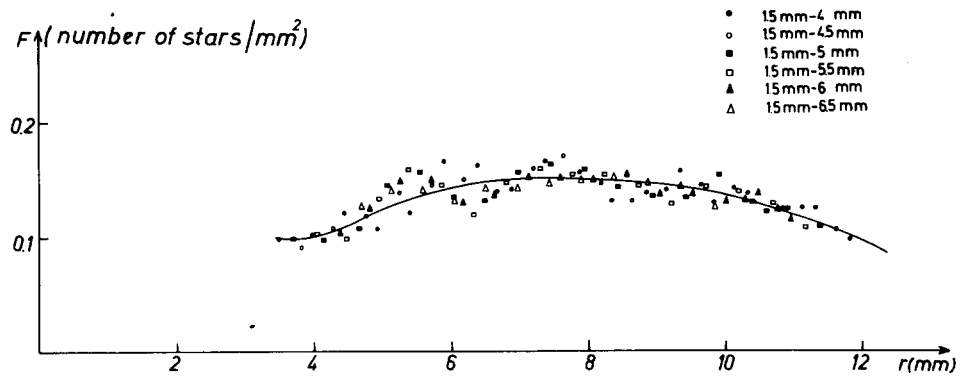


Fig. 4 b Density distribution curve for the A+B+C+E+F group.

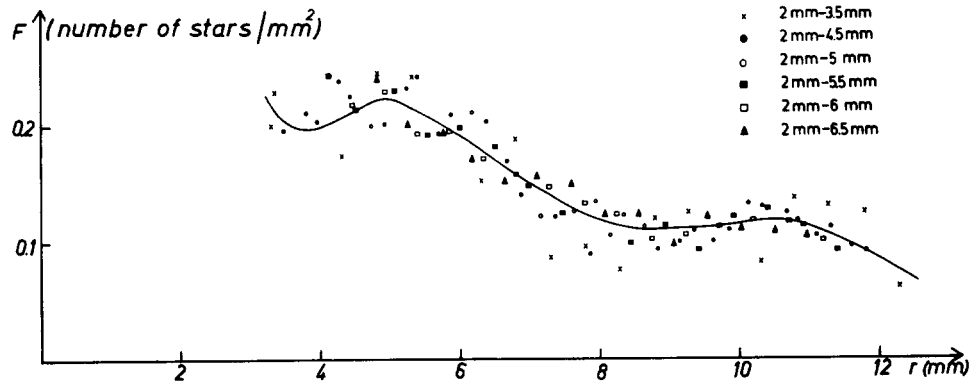


Fig. 4 c Density distribution curve for the G group.

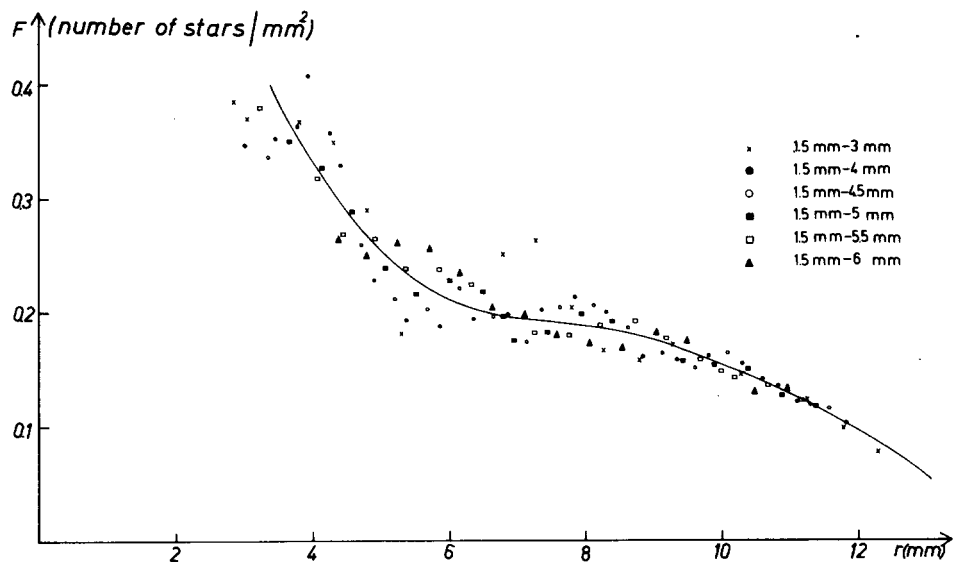


Fig. 4 d Density distribution curve for the H group.

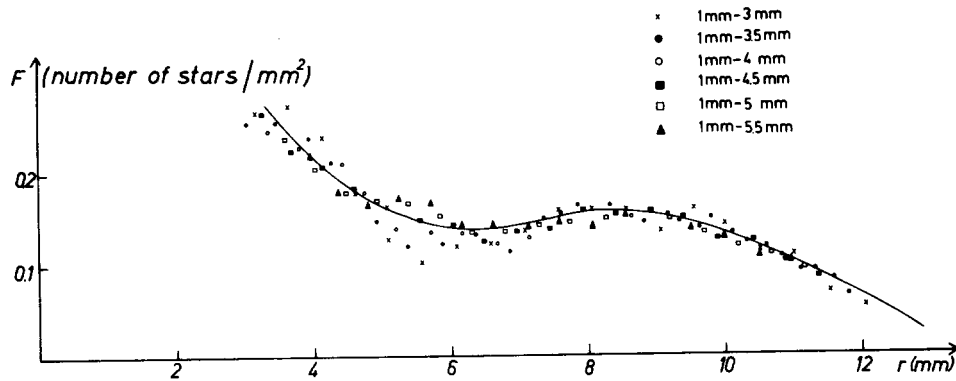


Fig. 4 e Density distribution curve for the D group.

#### DISCUSSION OF THE DENSITY DISTRIBUTIONS

In Paper I, selection of the members of the cluster was based on the proper motion of stars, but there are no proper motion measurements for the stars in the outer part of the cluster. To select the cluster members in the present case a band of suitable width was defined in B-V around the C-M diagram of the cluster. A comparison could be made between these two methods by deriving the densities for Cannon's stars selected by both criteria. The curves can be seen in Fig. 5. The curves made by two different methods are mostly the same within a  $\sigma$  error bar, but at that part where the density gradient is highest the curves are within two  $\sigma$  error bars. From these examinations the existence of the different density parts and the place of the inflexion point can be defined more or less exactly.

In Paper I the density distribution of stars in the centre of the cluster was discussed. Two different parts could be seen according to the change in the density gradient. The large negative density gradient of the inner dense part changes at a radius

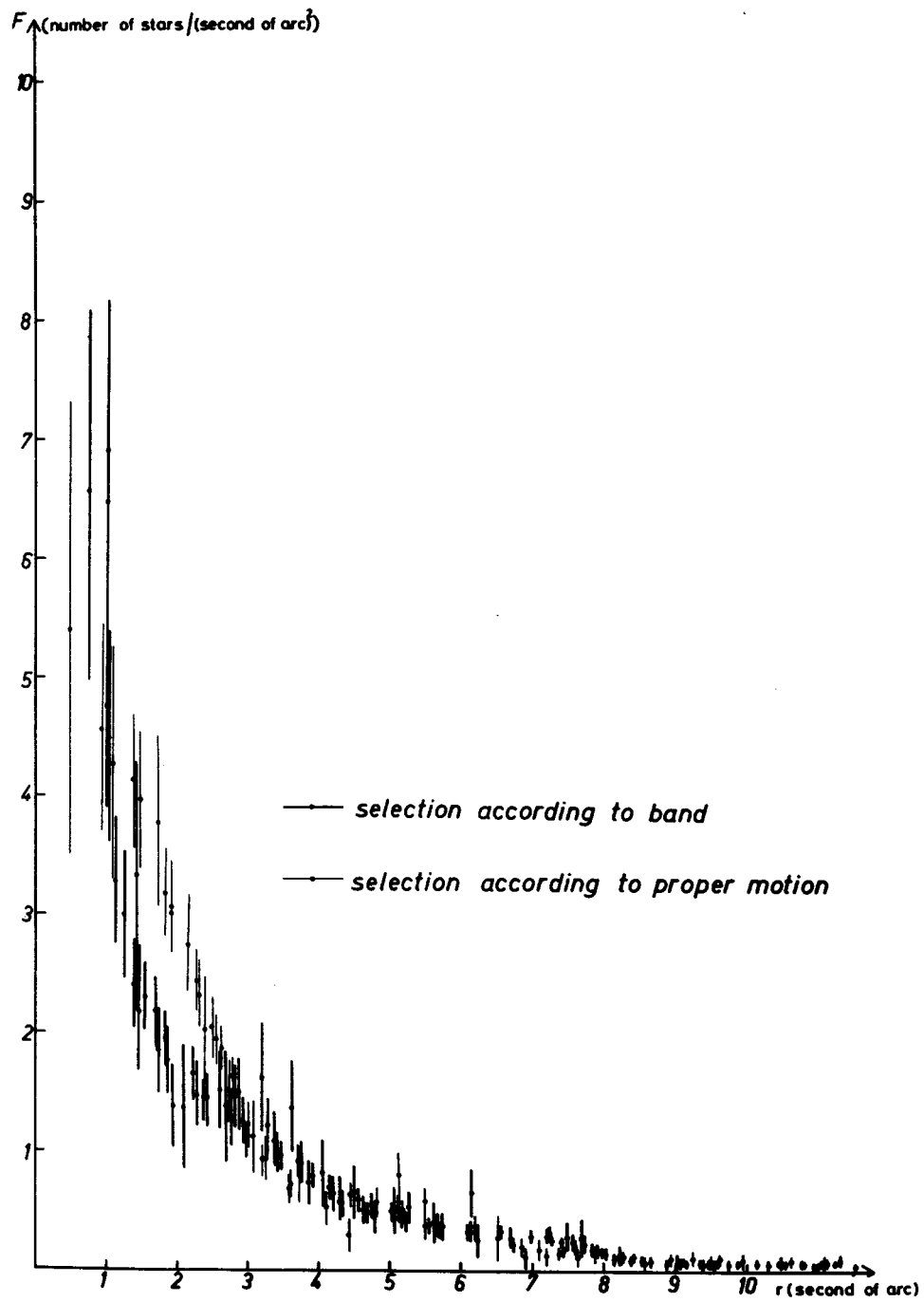


Fig. 5 Density distribution curves made by different methods.

of about 3'.3 and continues with a less steep decline in the outer less dense part having a radius of 7'.4.

The examination of density distribution is extended in this paper to 25' from the centre using the band criteria for the selection. The density distribution of the whole cluster has a small but defined slope as far as about 18'. Around the central part of NGC 2420 can be seen the halo of very low density. At the A+B+C+E+F group of bright stars beyond about 7' the cluster cannot be estimated. The curve for this group comes from the fluctuation of the background stars. The density distributions of the D,G and H groups have a defined slope except some lower local minimum. "Defined slope" means the existence of a halo of fainter stars. The inner part of greater density continues to 3.8 mm which is equal 7'17'' taking into account the 115''/mm scale of Schmidt plates. This result is almost the same as the value of the less dense part in Paper I. The border of the outer lower density part is 9.5 mm = 18'13''. Using a distance of 2400 pc (West, 1967) for NGC 2420, the core of the cluster has a 5.1 pc radius, the halo of the cluster has 12.7 pc.

Salukvadze (1977) obtained a much higher value for the radius of the core and the halo but I believe it comes only from the fluctuation of the background stars.

A similar result has been obtained by Archemashvili (1979) for this cluster. For faint objects the mean radius of core is 5'.5 (3.2 pc) and 15'.5 (9 pc) for the halo. He got a 2'.5 (1.4 pc) radius for the brightest stars: this value is consistent with our 3'.3 (2.3 pc) data in Paper I. Taking into account the difference between the used distances the results are the same within 1 pc.

According to Agekyan and Belozeroва (1979) the effective radius of the halo of the cluster is

$$R \sim 0.351 N^{1/2} / D^{1/3}$$

Using  $N = 300$  as the estimated number of member stars in NGC 2420 and  $D = 0.12/\text{pc}^3$ , the effective radius of the halo of NGC 2420 is  $R = 12.3$  pc.  $D = 0.12/\text{pc}^3$  is a general value. The density of the background stars at the present position of the cluster is considerably lower but during its lifetime this cluster crossed the galactic plane many times, where this effect was much stronger

than nowadays. The  $R = 12.3$  pc effective radius means that the cluster seems to be stable against the irregular forces of its background stars.

The limiting radius of a cluster, because of the tidal force in the Galaxy, can be given by the following equation (King, 1962)

$$r_{\text{lim}} = R_p \left( \frac{M}{3.5 M_g} \right)^{1/3}$$

where  $M$  means the mass of the cluster,  $M_g$  the mass of Galaxy, and  $R_p$  the perigalactic distance of the cluster. Taking  $R_p = 8.6$  kpc of "A" model from Keenan and Innanen (1974) and using  $N = 300$  value for member of cluster as before and supposing  $1 M_{\odot}$  for each member star and  $10^{11} M_{\odot}$  for the mass of Galaxy, the limiting radius equal 8.2 pc for the NGC 2420 open cluster. Within this radius the cluster is stable whereas beyond it the stars evaporate because of the tidal force.

#### CONCLUSION

The NGC 2420 open cluster consists of a high density core with 5.1 pc radius and a lower density halo of 12.7 pc. Within the high density core there is a concentration of the brightest stars with 2.3 pc radius. The halo of the cluster seems to be stable against the irregular forces of the background stars and the inner part of halo from 5.1 pc to 8.2 pc is also stable against the tidal force. The outer part of the halo from 8.2 pc to 12.7 pc is not stable and is gradually destroyed by the tidal force.

#### ACKNOWLEDGEMENTS

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Budapest - Szabadsághegy, September 7, 1982

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Fig. 6 a Finding chart of the survey stars I.  
East-northern part of the field



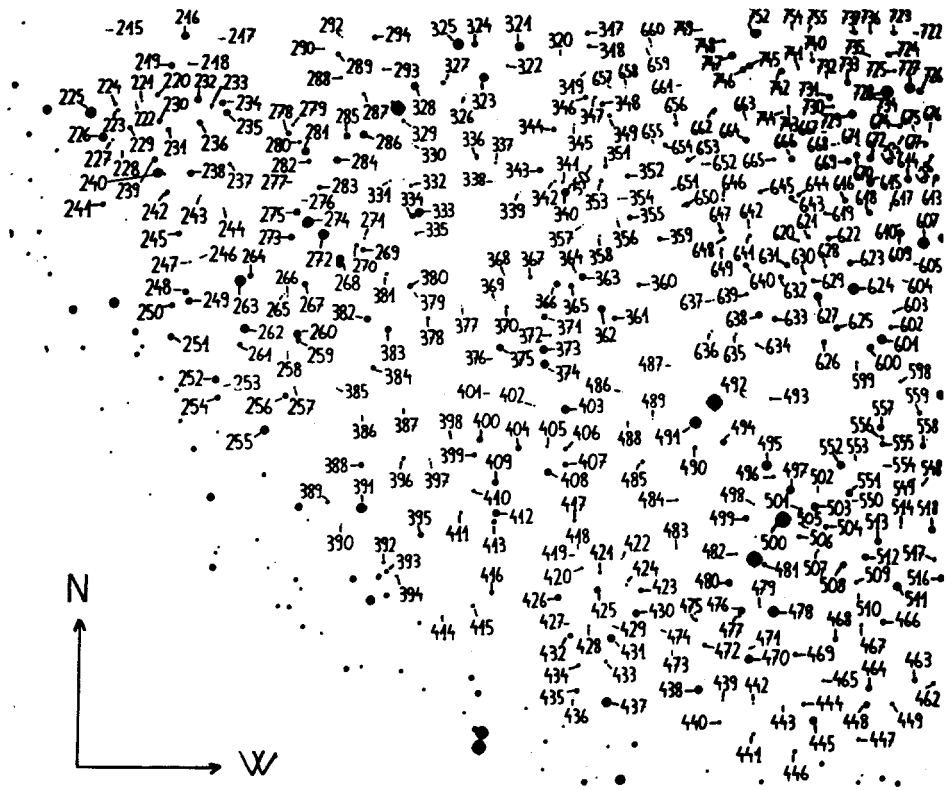


Fig. 6 b Finding chart of the survey stars II.  
East-southern part of the field

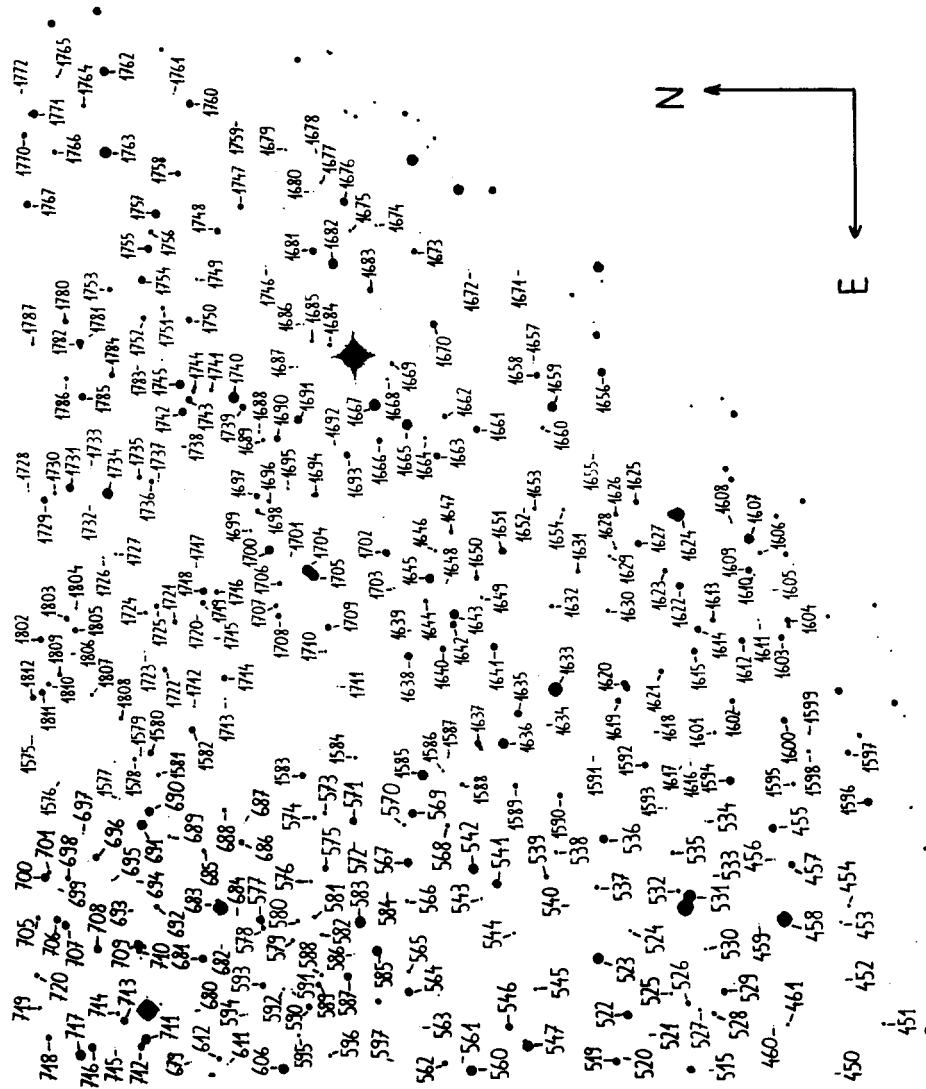


Fig. 6 c Finding chart of the survey stars III.  
South-western part of the field

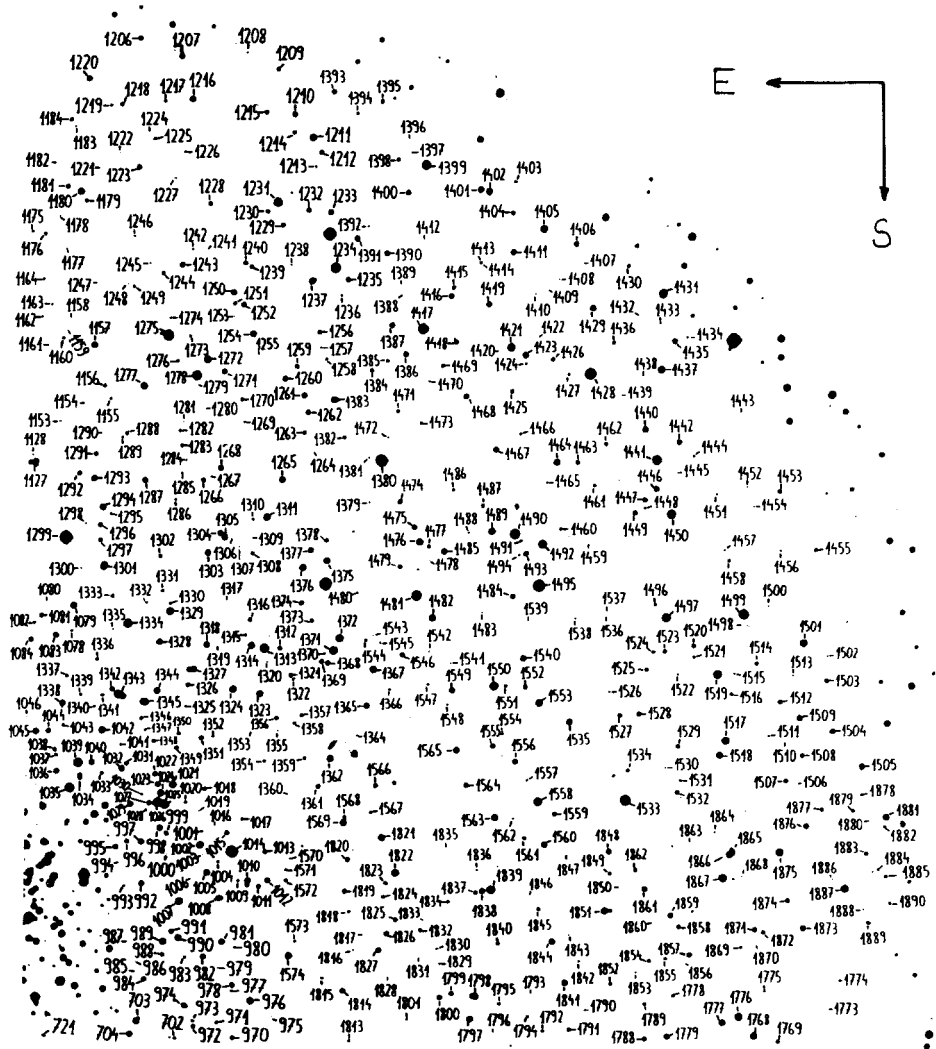


Fig. 6 d Finding chart of the survey stars IV.  
West-northern part of the field

Table

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1	17.54	0.31	-12.8	1.2	51	16.81	0.68	- 9.9	4.6
2	16.56	0.84	-12.4	1.2	52	14.26	0.70	-10.2	4.9
3	15.51	0.71	-12.1	1.2	53	16.21	1.18	-10.7	5.0
4	14.79	0.43	-12.0	0.9	54	16.36	0.88	-10.8	5.2
5	14.40	0.71	-11.5	0.8	55	17.43	0.89	-10.9	5.4
6	17.45	0.50	-10.9	0.6	56	15.17	0.98	-11.6	5.9
7	17.40	1.11	-10.8	0.4	57	15.71	1.00	-11.2	6.4
8	16.62	0.52	-10.4	0.5	58	14.98	0.44	-11.2	6.6
9	16.98	0.77	-10.2	0.6	59	17.07	0.30	-10.9	6.4
10	17.36	0.17	- 9.9	0.7	60	17.51	0.81	-10.6	6.4
11	15.28	0.25	-10.6	0.9	61*	16.20	0.22	-10.6	6.3
12	14.76	1.19	-10.8	1.0	62*	16.27	0.92	-10.5	6.4
13	13.86	0.58	-11.1	1.0	63	17.69	-	-10.1	5.5
14	15.17	0.87	-11.6	1.2	64	17.51	1.32	-10.0	5.9
15	16.83	0.43	-12.0	1.6	65	14.84	0.86	-10.0	6.1
16	14.90	0.83	-11.9	1.7	66	17.44	0.63	- 9.9	6.8
17	17.54	1.10	-11.5	1.6	67	16.85	0.39	-10.0	6.8
18	16.16	0.92	-11.5	1.4	68	16.79	0.45	-10.3	7.3
19	14.18	0.20	-11.3	1.6	69	17.60	-	- 9.8	8.1
20	17.06	0.76	-11.2	1.3	70	17.36	0.77	- 9.4	8.5
21	17.49	-	-10.5	1.1	71	16.73	0.64	- 9.3	7.6
22	17.51	0.67	-10.5	1.4	72	16.31	0.66	- 8.8	8.1
23	17.51	-	-10.8	1.3	73	14.90	0.64	- 8.8	8.6
24	16.53	0.45	-10.7	1.8	74	16.22	0.76	- 9.1	9.1
25	14.79	0.38	-11.0	2.0	75	13.44	0.80	- 8.9	9.3
26	15.55	0.67	-12.3	2.2	76	15.43	0.67	- 8.6	9.0
27	15.31	1.27	-12.5	2.3	77	15.91	0.62	- 8.6	9.3
28	14.25	0.59	-12.7	2.4	78	16.00	1.42	- 7.7	10.1
29	16.64	0.19	-11.1	2.5	79	15.48	0.90	- 7.1	10.4
30	14.56	0.51	-10.7	2.6	80	15.07	1.05	- 6.8	9.3
31	17.49	-	-10.2	3.0	81*	14.61	0.63	- 7.5	9.3
32	17.56	0.63	-10.4	3.1	82	16.51	0.60	- 7.8	9.3
33	14.15	0.81	-10.6	3.1	83	17.25	0.91	- 6.0	8.0
34	17.26	0.51	-10.9	3.1	84	14.71	0.45	- 6.3	7.8
35	17.36	1.17	-11.1	2.9	85	17.38	0.34	- 6.6	7.8
36	16.59	0.38	-11.3	2.9	86	16.01	0.53	- 7.1	7.4
37	17.13	-	-11.1	3.3	87	17.54	1.03	- 8.1	8.0
38	15.67	1.22	-10.9	3.6	88	14.35	0.71	- 8.0	7.8
39	17.18	0.88	-11.1	3.8	89	17.53	1.18	- 8.6	7.3
40	16.95	1.68	-11.1	4.0	90	17.42	1.25	- 8.8	7.3
41	17.11	0.78	-11.4	4.1	91	16.29	0.73	- 7.8	7.1
42	17.48	0.62	-11.7	3.9	92	12.30	0.39	- 6.1	7.1
43	15.02	0.41	-11.6	4.3	93	14.46	0.63	- 5.8	6.6
44	17.08	0.47	-12.0	4.5	94	14.87	0.55	- 5.8	6.3
45	15.99	0.28	-11.8	4.9	95	16.71	0.46	- 5.9	6.0
46	13.76	0.53	-11.2	4.8	96	15.52	0.65	- 6.6	5.9
47	17.47	1.13	-10.7	4.2	97	16.79	0.14	- 6.7	6.2
48	13.19	0.87	-10.6	3.8	98	11.97	0.45	- 8.0	6.7
49	17.61	0.69	-10.2	3.5	99	17.45	0.43	- 8.1	6.6
50	13.44	0.56	-10.1	3.9	100	15.90	0.80	- 8.3	6.6

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
101*	16.40	0.77	- 9.3	6.6	151*	14.84	0.51	- 8.3	2.0
102	16.18	0.39	- 8.6	6.3	152*	11.84	0.87	- 8.0	2.1
103	13.29	0.32	- 8.5	6.2	153	17.27	0.80	- 7.5	2.5
104	16.00	0.87	- 8.5	5.9	154	14.23	0.52	- 7.5	2.7
105	17.22	1.12	- 9.2	5.9	155	15.53	0.80	- 6.2	3.1
106	15.31	0.78	- 9.6	5.8	156	11.16	0.15	- 5.2	3.1
107	17.65	0.83	- 9.4	5.8	157	17.50	0.62	- 5.0	2.9
108	15.13	0.57	- 9.0	5.5	158	14.62	0.26	- 5.0	2.8
109	17.00	0.67	- 9.3	5.1	159	12.97	0.33	- 5.4	2.3
110	17.63	0.67	- 9.4	4.6	160	17.20	0.56	- 6.3	2.4
111	17.57	0.43	- 9.1	4.6	161	15.33	1.29	- 6.3	2.1
112	15.44	0.62	- 8.8	4.5	162	16.71	0.42	- 6.1	2.1
113	17.49	0.88	- 8.7	4.7	163	15.71	0.69	- 5.9	2.1
114	17.36	0.59	- 8.6	5.2	164	16.17	0.51	- 5.4	2.0
115	11.60	0.42	- 8.3	4.9	165	17.09	0.26	- 5.6	1.8
116	16.08	0.98	- 8.3	4.6	166	16.82	0.53	- 6.4	1.4
117	15.95	0.33	- 8.4	4.2	167	17.73	-	- 6.8	1.2
118	16.80	0.62	- 8.1	4.2	168	16.91	1.71	- 7.2	1.4
119	17.67	-	- 8.2	4.3	169	15.82	1.01	- 7.8	1.4
120	17.42	0.11	- 7.8	4.6	170	15.19	0.54	- 8.3	1.1
121	17.30	0.85	- 7.0	5.5	171	16.66	0.67	- 8.8	1.5
122	14.54	0.72	- 6.5	5.4	172	17.06	0.63	- 9.0	1.5
123	14.24	0.62	- 5.5	5.4	173	16.48	0.76	- 9.0	1.3
124	17.05	0.58	- 5.4	5.1	174	17.33	0.55	- 9.3	1.4
125	16.07	0.54	- 5.5	4.8	175	16.86	0.38	- 9.5	1.4
126	17.77	0.81	- 5.6	4.7	176*	16.56	0.23	- 9.6	1.5
127	16.24	0.32	- 5.7	4.7	177*	16.82	0.19	- 9.6	1.6
128	16.47	0.60	- 6.0	4.9	178	16.04	0.83	- 9.1	0.9
129	16.19	0.70	- 6.0	5.0	179	17.30	1.01	- 9.3	0.3
130	15.11	0.76	- 6.9	4.8	180	12.41	0.48	- 9.0	0.0
131	16.38	1.20	- 6.8	4.7	181	16.42	0.36	- 8.4	0.7
132	17.46	0.34	- 6.5	4.8	182	17.55	0.66	- 8.3	0.9
133	17.70	0.75	- 6.4	4.4	183	16.08	0.71	- 7.6	0.9
134	17.24	1.49	- 5.7	4.1	184	13.72	0.49	- 6.7	0.2
135	17.22	0.50	- 5.3	3.5	185	16.70	0.59	- 6.6	0.5
136	17.51	0.79	- 5.7	3.5	186	16.47	0.32	- 5.7	0.5
137	15.96	0.72	- 6.3	3.8	187	17.61	1.10	- 5.4	0.7
138	17.34	0.47	- 6.6	3.5	188	15.11	0.74	- 5.2	0.4
139	17.49	0.92	- 7.0	4.1	189	13.85	1.31	- 5.0	- 0.1
140	16.79	1.31	- 7.2	3.9	190	12.81	1.14	- 5.3	- 0.4
141	15.94	0.74	- 7.9	3.7	191	17.76	0.61	- 5.5	- 0.1
142	17.30	0.11	- 8.1	3.8	192	15.17	0.79	- 5.9	- 0.7
143	16.18	0.56	- 8.6	3.9	193	13.67	0.52	- 6.6	- 0.4
144	17.49	0.69	- 8.6	3.5	194	15.95	0.74	- 6.7	- 0.2
145	14.54	0.67	- 9.1	3.8	195	17.47	0.66	- 7.0	- 0.1
146	16.75	0.58	- 9.7	3.7	196	17.56	0.63	- 7.1	- 0.1
147	16.81	0.39	- 9.6	3.5	197	16.71	0.94	- 7.2	- 0.1
148	15.70	0.33	- 9.6	3.1	198	15.41	0.63	- 7.0	- 0.4
149	16.22	0.52	- 9.3	2.3	199	17.57	0.76	- 6.8	- 0.8
150*	14.22	1.17	- 8.6	2.0	200	15.47	0.30	- 6.9	- 0.8

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
201	15.90	0.52	- 7.6	- 0.6	251	14.98	0.53	-11.2	- 5.9
202	16.76	0.55	- 8.9	- 0.4	252	14.67	0.45	-10.5	- 6.5
203	15.18	0.75	- 9.9	- 0.9	253	17.50	1.43	-10.5	- 6.6
204	15.65	0.20	-10.0	- 1.1	254	15.55	0.81	-10.5	- 6.8
205	17.48	1.09	-10.1	- 1.3	255	13.06	1.02	- 9.9	- 7.2
206	16.66	0.54	-10.3	- 1.2	256	15.69	0.41	- 9.5	- 6.7
207	13.96	0.57	-10.5	- 1.1	257	17.57	0.29	- 9.4	- 6.6
208	17.01	0.09	-10.3	- 1.1	258	17.68	1.08	- 9.4	- 6.1
209	16.84	1.07	-10.6	- 1.0	259*	15.90	0.39	- 9.3	- 6.0
210	14.60	0.50	-11.6	- 0.8	260	14.00	0.51	- 9.3	- 5.9
211	17.30	0.51	-11.7	- 0.3	261	15.46	0.90	-10.2	- 6.0
212	15.91	1.53	-12.1	0.0	262	13.61	0.33	-10.1	- 5.8
213	16.58	0.80	-12.2	- 0.8	263	12.01	0.62	-10.1	- 5.1
214	17.49	0.60	-11.9	- 1.0	264	15.48	0.68	-10.0	- 5.0
215	17.39	1.29	-12.0	- 1.4	265	17.50	-	- 9.5	- 5.3
216	14.40	0.49	-10.8	- 1.5	266	17.24	0.67	- 9.4	- 5.3
217	17.61	0.58	-10.3	- 1.6	267	15.20	0.75	- 9.2	- 5.1
218	17.29	0.78	-10.8	- 2.0	268*	12.80	1.72	- 8.7	- 4.8
219	15.13	0.63	-11.0	- 2.0	269	15.13	1.20	- 8.4	- 4.7
220	16.14	0.55	-11.2	- 2.4	270	16.07	0.99	- 8.4	- 4.6
221	17.19	0.69	-11.5	- 2.5	271	16.57	1.64	- 8.3	- 4.5
222	17.68	0.78	-11.6	- 2.5	272	11.87	1.01	- 8.9	- 4.5
223	15.86	1.51	-11.8	- 2.6	273	15.03	0.50	- 9.4	- 4.5
224	15.65	1.15	-11.8	- 2.5	274	11.96	0.58	- 9.1	- 4.3
225	11.81	1.01	-12.2	- 2.6	275	14.39	0.68	- 9.3	- 4.1
226	13.75	0.75	-12.0	- 3.0	276	17.65	1.29	- 9.3	- 3.9
227	17.08	0.74	-11.9	- 3.0	277	17.54	1.16	- 9.3	- 3.7
228	17.13	0.45	-11.8	- 3.1	278	15.95	0.78	- 9.3	- 3.0
229	16.33	0.45	-11.7	- 2.8	279	17.07	0.59	- 9.3	- 2.8
230	15.94	0.40	-11.2	- 2.8	280	17.01	0.43	- 9.2	- 3.1
231	16.53	0.18	-11.1	- 2.9	281	13.96	0.56	- 9.1	- 3.2
232	14.68	0.51	-10.7	- 2.5	282	16.36	0.26	- 9.0	- 3.4
233	16.75	0.87	-10.4	- 2.6	283	16.20	0.33	- 8.9	- 3.8
234	15.07	0.57	-10.3	- 2.5	284	14.19	0.62	- 8.7	- 3.4
235	15.02	0.31	-10.2	- 2.7	285	14.78	0.70	- 8.5	- 3.1
236	15.60	0.52	-10.6	- 2.8	286	14.39	0.53	- 8.3	- 3.1
237	16.50	0.57	-10.2	- 3.4	287	16.84	0.72	- 8.2	- 2.5
238	14.89	0.43	-10.8	- 3.5	288	16.65	0.55	- 8.6	- 4.2
239	15.52	0.42	-11.3	- 3.3	289	15.99	0.60	- 8.6	- 1.9
240	13.01	0.54	-11.2	- 3.5	290	17.03	0.62	- 8.8	- 1.8
241	15.98	0.45	-12.1	- 3.9	291	16.76	0.50	- 9.3	- 1.3
242*	16.05	0.83	-11.1	- 3.8	292	17.60	-	- 8.5	- 1.7
243	17.49	0.17	-10.7	- 3.9	293	17.42	0.63	- 7.9	- 2.1
244	17.45	0.50	-10.3	- 4.1	294	15.86	0.36	- 8.0	- 1.7
245	15.30	0.84	-11.0	- 4.4	295	16.77	0.11	- 8.0	- 1.4
246	17.29	0.79	-10.8	- 4.7	296	17.66	0.33	- 8.1	- 1.2
247	17.10	0.65	-10.8	- 4.8	297	17.51	1.43	- 8.2	- 0.7
248	15.39	0.27	-10.9	- 5.2	298	17.02	1.18	- 7.7	- 1.3
249	14.54	0.48	-10.9	- 5.4	299	17.19	0.20	- 7.5	- 1.1
250	15.48	0.69	-11.1	- 5.4	300	13.86	0.48	- 7.3	- 1.4

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
301	15.29	1.52	- 7.1	- 1.2	351	16.66	0.29	- 4.8	- 3.6
302	15.85	0.78	- 6.5	- 1.4	352	15.93	0.43	- 4.3	- 3.8
303	15.84	0.61	- 6.1	- 1.3	353	16.88	0.19	- 4.8	- 3.8
304	17.55	-	- 5.9	- 1.3	354	17.52	0.50	- 4.6	- 4.1
305	17.29	0.74	- 5.8	- 1.4	355	15.14	1.11	- 4.4	- 4.4
306	15.03	0.89	- 5.8	- 1.5	356	17.62	0.64	- 4.6	- 4.4
307	16.50	0.18	- 5.3	- 1.2	357	17.76	-0.01	- 5.2	- 4.4
308	16.16	0.16	- 5.3	- 0.8	358	17.43	0.41	- 4.9	- 4.6
309	15.23	0.71	- 5.1	- 0.8	359	16.24	0.18	- 4.0	- 4.7
310	17.30	1.42	- 4.9	- 0.9	360	16.71	0.14	- 4.3	- 5.3
311	17.55	1.06	- 4.7	- 0.4	361	16.15	0.42	- 4.7	- 5.8
312	16.91	-1.60:	- 4.5	- 0.7	362	14.34	0.44	- 4.9	- 5.7
313	13.55	0.91	- 4.3	- 1.0	363	14.60	0.46	- 5.1	- 5.2
314	17.54	0.51	- 5.0	- 1.2	364	17.70	0.56	- 5.2	- 5.1
315	15.87	0.29	- 4.5	- 1.5	365	15.63	0.42	- 5.3	- 5.3
316	17.39	0.67	- 4.9	- 1.6	366	15.20	0.62	- 5.5	- 5.3
317	16.20	0.55	- 5.0	- 1.8	367	16.56	0.41	- 5.9	- 5.2
318	16.76	0.46	- 4.9	- 2.0	368	17.62	0.50	- 6.3	- 5.1
319	17.27	1.13	- 4.9	- 2.3	369	17.55	0.90	- 6.4	- 5.4
320	17.60	1.11	- 5.3	- 2.1	370	17.12	0.22	- 6.3	- 5.6
321	14.06	-0.09	- 6.0	- 1.9	371	14.81	0.99	- 5.7	- 5.8
322	17.33	0.41	- 6.1	- 2.1	372	16.96	0.73	- 5.6	- 6.0
323	12.98	0.88	- 6.5	- 2.3	373	13.85	0.52	- 5.7	- 6.2
324	15.10	0.54	- 6.6	- 1.8	374	14.04	0.28	- 5.7	- 6.4
325	12.16	0.42	- 6.8	- 1.8	375	14.80	0.58	- 6.3	- 6.1
326	17.58	-	- 6.9	- 2.5	376	17.18	1.51	- 6.4	- 6.3
327	16.50	0.30	- 7.1	- 2.3	377	17.21	1.11	- 6.9	- 5.6
328	14.39	0.21	- 7.5	- 2.4	378	16.58	0.48	- 7.4	- 5.7
329	16.93	0.46	- 7.7	- 2.9	379	17.06	0.76	- 7.6	- 5.3
330	17.48	1.37	- 7.5	- 3.2	380	15.68	0.14	- 7.6	- 5.2
331	17.53	0.67	- 7.9	- 3.7	381	16.95	0.72	- 8.0	- 5.0
332	16.31	0.82	- 7.6	- 3.8	382	15.08	0.19	- 8.3	- 5.6
333*	12.92	1.12	- 7.5	- 4.2	383	15.05	0.47	- 8.0	- 5.9
334*	15.73	0.52	- 7.6	- 4.2	384	15.69	0.77	- 8.3	- 6.4
335	16.96	0.40	- 7.5	- 4.5	385	17.34	0.45	- 8.8	- 6.6
336	16.26	0.22	- 6.6	- 3.4	386	17.59	0.94	- 8.4	- 7.0
337	17.24	0.84	- 6.3	- 3.5	387	17.49	1.47	- 8.9	- 6.9
338	17.55	-	- 6.4	- 3.8	388	15.93	0.28	- 8.4	- 7.7
339	17.35	1.28	- 6.0	- 4.0	389	16.53	0.34	- 8.9	- 8.2
340	14.04	0.46	- 5.3	- 4.0	390	17.52	0.21	- 8.8	- 8.5
341	16.79	0.75	- 5.3	- 3.9	391	12.64	0.58	- 8.5	- 8.3
342	16.94	1.04	- 5.5	- 3.8	392	17.02	0.49	- 8.2	- 9.1
343	15.72	0.15	- 5.7	- 3.7	393	16.20	0.76	- 8.1	- 9.2
344	15.84	0.55	- 5.5	- 3.1	394	17.56	0.11	- 8.0	- 9.3
345	17.49	0.88	- 5.2	- 3.1	395	15.91	0.38	- 7.6	- 8.7
346	15.76	0.82	- 5.1	- 2.6	396	16.39	0.66	- 7.8	- 7.6
347	17.00	0.51	- 4.9	- 2.6	397	17.08	1.14	- 7.5	- 7.7
348	16.06	0.57	- 4.8	- 2.7	398	17.10	0.88	- 7.1	- 7.4
349	16.77	0.41	- 4.7	- 3.0	399	15.83	0.77	- 6.8	- 7.7
350	17.07	0.43	- 5.0	- 3.6	400	15.78	-0.27:	- 6.7	- 7.4

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
401	17.68	0.93	- 6.5	- 6.8	451	17.16	0.40	0.3	-12.0
402*	17.69	0.52	- 5.9	- 7.0	452	17.82	0.58	0.9	-11.4
403	13.35	0.91	- 5.5	- 7.1	453	17.19	0.66	1.6	-11.4
404	15.56	0.41	- 6.1	- 7.6	454	16.61	0.81	1.8	-11.6
405	16.69	0.70	- 5.7	- 7.6	455	14.79	0.36	2.7	-10.8
406	16.16	0.29	- 5.5	- 7.6	456	17.54	0.24	2.4	-10.7
407	15.58	0.70	- 5.5	- 7.8	457	15.14	0.68	2.3	-11.0
408	14.67	0.47	- 5.7	- 7.9	458	11.49	0.12	1.6	-10.8
409	14.73	0.47	- 6.5	- 8.1	459	17.50	0.68	1.5	-10.5
410	16.47	0.82	- 6.8	- 8.1	460	17.62	0.28	0.3	-10.6
411	16.69	0.76	- 7.0	- 8.5	461	16.78	0.60	0.3	-10.8
412	14.47	0.65	- 6.5	- 8.5	462	16.88	-0.06	- 0.3	-11.1
413	16.06	0.75	- 6.6	- 8.6	463	15.91	0.50	- 0.6	-11.1
414	17.42	1.23	- 7.3	- 9.8	464	15.52	0.44	- 1.2	-11.1
415	16.78	0.21	- 6.9	- 9.8	465	17.03	0.94	- 1.9	-11.0
416	15.94	0.30	- 6.6	- 9.6	466	15.24	0.94	- 1.0	-10.2
417	16.02	1.54	- 5.3	- 8.6	467	16.66	0.87	- 1.3	-10.2
418	17.19	1.48	- 5.3	- 9.0	468	16.27	0.21	- 1.7	-10.4
419	17.50	0.93	- 5.3	- 9.1	469	16.31	0.78	- 2.3	-10.6
420	17.43	0.40	- 5.3	- 9.3	470	13.63	0.78	- 3.0	-10.7
421	16.39	0.85	- 5.0	- 9.3	471	17.57	0.88	- 3.0	-10.5
422	17.00	1.12	- 4.7	- 9.1	472	16.18	0.91	- 3.6	-10.4
423	16.04	0.50	- 4.4	- 9.6	473	17.51	-	- 3.9	-10.4
424	17.13	0.37	- 4.7	- 9.6	474	17.57	1.13	- 4.3	-10.1
425	15.10	0.39	- 5.1	- 9.6	475	17.06	0.12	- 3.8	-10.1
426	15.10	0.43	- 5.7	- 9.7	476	14.59	0.79	- 3.1	-10.0
427	17.29	0.93	- 5.5	-10.1	477*	16.57	0.67	- 3.1	-10.1
428	16.63	0.87	- 5.2	-10.1	478	12.27	0.56	- 2.6	-10.0
429	17.49	0.78	- 4.9	-10.1	479	17.09	1.40	- 2.8	-10.0
430	14.65	0.42	- 4.6	-10.0	480	14.40	0.87	- 3.2	- 9.5
431	13.69	0.95	- 4.9	-10.3	481*	14.97	2.02	- 2.7	- 9.3
432	16.09	0.22	- 5.5	-10.2	482	16.75	0.78	- 3.1	- 9.2
433	16.87	0.46	- 5.0	-10.6	483	17.31	0.67	- 4.0	- 9.1
434	16.62	0.65	- 5.4	-10.6	484	17.25	0.16	- 3.9	- 8.4
435	16.08	0.54	- 5.4	-11.0	485	16.72	0.29	- 4.4	- 7.8
436	17.59	-	- 5.5	-11.1	486	17.40	0.94	- 4.7	- 6.8
437	13.26	0.49	- 5.0	-11.2	487	17.61	0.66	- 4.0	- 6.6
438	13.62	1.02	- 3.7	-11.1	488	17.65	0.80	- 4.6	- 7.2
439	17.64	0.25	- 3.4	-11.3	489	17.11	0.94	- 4.2	- 7.2
440	17.07	0.38	- 3.4	-11.6	490	16.46	0.85	- 3.7	- 7.7
441	16.86	0.67	- 2.9	-11.7	491	11.93	0.58	- 3.6	- 7.3
442	17.88	-0.08	- 2.9	-11.3	492	17.62	0.39	- 2.8	- 7.0
443	17.85	-	- 2.4	-11.3	493	17.38	0.21	- 2.5	- 7.0
444	16.22	0.63	- 2.2	-11.3	494	15.49	0.58	- 3.2	- 7.6
445	14.49	0.64	- 2.0	-11.6	495	13.12	0.48	- 2.6	- 8.0
446	16.69	0.43	- 2.3	-12.0	496	16.88	0.72	- 2.5	- 8.1
447	16.53	0.87	- 1.4	-11.9	497	14.05	0.59	- 2.3	- 8.3
448	15.52	0.18	- 1.3	-11.3	498	17.46	0.20	- 2.8	- 8.5
449	17.04	0.30	- 0.9	-11.4	499	15.58	0.33	- 2.9	- 8.7
450	17.66	0.50	- 0.2	-11.2	500	11.95 :	-1.25 :	- 2.4	- 8.7



Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
501	16.41	0.95	- 2.1	- 8.6	551	14.07	1.16	- 1.4	- 8.4
502	17.65	0.36	- 1.9	- 8.4	552	13.55	1.23	- 1.6	- 8.0
503	14.15	0.55	- 2.0	- 8.6	553	17.47	0.92	- 1.3	- 8.0
504	16.41	0.30	- 1.8	- 8.9	554	17.49	0.87	- 0.9	- 8.1
505	17.43	0.80	- 2.0	- 8.9	555	15.48	0.79	- 0.9	- 7.7
506	16.38	0.89	- 2.2	- 9.0	556	16.82	0.55	- 1.0	- 7.6
507	17.36	-	- 1.8	- 9.2	557	15.29	0.42	- 1.0	- 7.4
508	14.76	-	- 1.6	- 9.4	558	15.82	0.37	- 0.3	- 7.7
509	17.23	0.05	- 1.3	- 9.6	559	16.30	0.84	- 0.3	- 7.2
510	17.57	-	- 1.5	- 9.8	560	13.16	0.94	- 0.1	- 7.1
511	13.85	0.97	- 0.8	- 9.7	561	17.49	-	0.1	- 6.9
512	15.29	0.61	- 1.3	- 9.3	562	15.95	0.56	0.0	- 6.7
513	14.64	0.78	- 1.0	- 9.1	563	17.71	0.62	0.5	- 6.5
514	17.33	0.45	- 0.7	- 8.9	564	14.44	0.75	0.9	- 6.3
515	17.45	0.82	- 0.2	- 9.8	565	17.25	1.13	1.2	- 6.3
516	15.38	0.13	- 0.1	- 9.6	566	16.95	0.59	2.0	- 6.3
517	17.07	0.39	- 0.2	- 9.3	567	14.07	0.94	2.5	- 6.4
518	14.84	0.43	- 0.2	- 9.0	568	16.46	0.49	2.9	- 6.9
519	15.05	0.39	0.0	- 8.7	569	14.52	0.49	3.1	- 6.5
520	17.56	0.76	0.0	-10.0	570	16.90	0.37	2.9	- 6.3
521	17.79	-	0.3	- 9.1	571	14.94	0.53	3.0	- 5.8
522	14.60	0.45	0.5	- 8.9	572	17.71	-	2.8	- 5.8
523	13.13	0.45	1.2	- 8.6	573	16.58	0.51	3.1	- 5.4
524	16.62	0.95	1.6	- 9.0	574	16.75	0.54	3.1	- 5.3
525	17.08	0.49	0.8	- 9.4	575	15.96	0.52	2.4	- 5.4
526	15.99	0.62	0.7	- 9.6	576	16.85	0.70	2.3	- 5.2
527	16.73	0.78	0.5	- 9.8	577	14.63	0.36	1.9	- 4.7
528	17.04	-0.02	0.5	-10.0	578	16.18	0.56	1.7	- 4.6
529	15.47	0.37	0.8	-10.1	579	16.93	0.32	1.7	- 5.0
530	17.13	0.66	1.3	- 9.8	580	17.27	0.34	1.9	- 5.1
531*	11.70	0.93	2.0	- 9.7	581	16.74	0.83	1.9	- 5.2
532	16.86	0.82	2.1	- 9.6	582	17.33	0.51	1.7	- 5.3
533	17.51	0.57	2.2	-10.0	583	12.60	0.65	1.8	- 5.8
534	17.17	0.81	2.9	-10.0	584	17.45	1.06	2.2	- 6.1
535	16.38	0.79	2.5	- 9.5	585	13.60	0.45	1.5	- 6.0
536	13.83	0.94	2.7	- 8.8	586	17.76	0.54	1.4	- 5.7
537	16.63	0.36	2.1	- 8.6	587	14.95	0.39	1.2	- 5.6
538	16.59	0.89	2.5	- 8.1	588	17.15	0.35	1.2	- 5.3
539	16.53	0.24	2.2	- 8.0	589	16.19	0.54	1.1	- 5.2
540	17.56	1.19	1.9	- 8.3	590	15.17	1.28	0.8	- 5.1
541	14.07	0.76	2.2	- 7.4	591	17.75	0.72	1.0	- 4.9
542	13.53	0.38	2.4	- 7.1	592	17.31	0.72	1.1	- 4.8
543	17.50	0.20	2.0	- 7.2	593	15.84	0.33	1.1	- 4.6
544	16.71	1.17	1.6	- 7.6	594	17.36	0.54	0.8	- 4.4
545	17.40	0.05	0.9	- 7.9	595	17.57	0.47	0.5	- 5.0
546	15.43	0.41	0.5	- 7.5	596	16.65	0.95	0.2	- 5.3
547	12.84	0.82	0.2	- 7.7	597	17.46	0.75	0.0	- 6.3
548	16.83	0.83	- 0.4	- 8.3	598	16.88	0.79	- 0.6	- 6.8
549	17.39	0.51	- 0.5	- 8.2	599	17.02	0.73	- 1.2	- 6.5
550	17.38	1.37	- 1.4	- 8.5	600	14.42	0.66	- 1.0	- 6.3

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
601	13.01	0.78	- 0.8	- 6.2	651	17.50	-	- 3.9	- 4.0
602	16.54	0.19	- 0.7	- 6.0	652	17.23	0.68	- 4.3	- 3.6
603	16.92	0.78	- 0.7	- 5.8	653	16.31	0.84	- 3.5	- 3.5
604	17.56	1.17	- 0.5	- 5.3	654	16.62	0.10	- 3.8	- 3.3
605	17.60	-	- 0.2	- 5.1	655	17.52	-	- 4.0	- 3.3
606	13.10	0.88	0.1	- 4.8	656	15.87	0.74	- 3.7	- 3.0
607	12.07	0.52	- 0.2	- 4.9	657	17.75	0.79	- 4.6	- 2.5
608	-	-	-	-	658	17.47	0.87	- 4.4	- 2.5
609	14.59	0.22	- 0.5	- 4.7	659	17.37	0.98	- 4.1	- 2.0
610	16.81	1.48	- 0.5	- 4.6	660	17.25	0.78	- 4.0	- 1.9
611	17.42	1.15	0.2	- 4.1	661	17.48	1.09	- 3.6	- 2.4
612	16.45	0.50	0.2	- 4.0	662	15.50	0.74	- 3.1	- 2.9
613	15.05	0.58	0.1	- 3.9	663	17.46	1.02	- 2.7	- 3.0
614	14.62	0.63	- 0.4	- 4.0	664	15.02	0.71	- 2.7	- 3.2
615	13.63	1.04	- 0.9	- 4.0	665	16.97	0.52	- 2.3	- 3.6
616	15.66	0.54	- 1.3	- 4.2	666	15.22	0.39	- 2.0	- 3.6
617	17.60	0.45	- 0.7	- 4.3	667	17.47	0.86	- 1.5	- 3.2
618	15.17	0.70	- 0.9	- 4.4	668	17.40	0.71	- 1.3	- 3.3
619	17.19	0.49	- 1.6	- 4.4	669	15.24	0.02	- 1.2	- 3.6
620	17.37	0.30	- 2.0	- 4.8	670	15.34	0.25	- 1.1	- 3.6
621	16.73	0.89	- 1.9	- 4.7	671	17.20	1.23	- 1.0	- 3.4
622	15.98	0.58	- 1.6	- 4.7	672	14.61	0.45	- 0.9	- 3.6
623	14.98	0.75	- 1.2	- 5.1	673	17.09	0.38	- 0.4	- 3.3
624	11.80	0.90	- 1.2	- 5.5	674	16.13	0.33	- 0.5	- 3.2
625	15.07	0.37	- 1.5	- 6.1	675	17.14	0.42	- 0.2	- 3.3
626	15.87	0.46	- 1.7	- 6.3	676	17.11	0.58	0.0	- 3.2
627	13.57	1.00	- 1.7	- 5.5	677	14.99	0.05	- 0.1	- 3.4
628	17.47	-0.05	- 1.6	- 5.1	678	16.63	0.73	0.0	- 3.6
629	16.61	0.41	- 1.8	- 5.3	679	17.17	1.27	0.2	- 3.6
630	16.88	0.74	- 2.0	- 5.2	680	17.49	0.85	0.9	- 3.8
631	15.70	0.40	- 2.2	- 5.1	681	14.45	0.71	1.5	- 3.9
632	15.71	0.57	- 2.3	- 5.3	682	17.50	1.21	1.7	- 4.1
633	15.83	0.67	- 2.4	- 5.9	683	11.35	0.56	2.1	- 4.1
634	16.73	1.03	- 2.6	- 6.2	684	17.44	0.62	2.0	- 4.3
635	17.54	0.37	- 3.0	- 6.1	685	16.46	0.47	2.8	- 3.9
636	17.47	0.52	- 3.3	- 6.0	686	15.41	0.92	2.9	- 4.4
637	17.09	1.04	- 3.3	- 5.5	687	17.26	1.15	3.1	- 4.4
638	15.05	0.51	- 2.6	- 5.8	688	16.77	0.16	3.2	- 4.2
639	16.74	0.44	- 2.8	- 5.5	689	17.03	0.56	3.0	- 3.5
640	15.79	0.59	- 2.8	- 5.1	690	14.44	0.20	3.2	- 3.3
641	16.92	0.31	- 2.7	- 4.7	691	13.39	0.57	3.1	- 3.2
642	17.50	0.43	- 2.7	- 4.5	692	16.49	0.44	2.1	- 3.4
643	16.06	0.23	- 2.0	- 4.1	693	17.66	1.22	2.1	- 3.1
644	16.50	0.54	- 2.0	- 4.1	694	17.38	1.16	2.4	- 3.1
645	16.08	1.23	- 2.5	- 4.1	695	17.53	0.68	2.4	- 2.8
646	17.31	0.38	- 3.1	- 4.1	696	15.46	0.36	2.7	- 2.6
647	15.72	1.13	- 3.1	- 4.6	697	17.75	0.44	3.0	- 2.5
648	16.28	0.83	- 3.1	- 4.7	698	16.22	0.42	2.5	- 2.3
649	17.19	0.57	- 3.1	- 4.8	699	17.43	0.56	2.4	- 2.2
650	15.36	0.63	- 3.6	- 4.2	700*	13.84	1.09	2.5	- 2.0

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
701*	15.83	1.46	2.6	- 2.1	751	16.67	0.37	- 3.0	- 1.5
702*	16.89	0.32	2.3	- 1.8	752	12.37	0.48	- 2.5	- 1.8
703	14.45	0.64	1.8	- 1.5	753	11.27	1.36	- 2.2	- 1.5
704	14.43	1.39	1.7	- 1.7	754	17.35	1.42	- 1.9	- 1.8
705	16.42	0.40	2.0	- 1.9	755	17.13	1.33	- 1.8	- 1.8
706	15.18	0.32	2.0	- 2.1	756*	15.17	0.90	- 1.9	- 1.2
707	14.55	0.48	2.0	- 2.2	757	17.08	0.85	- 1.9	- 1.0
708	14.67	0.53	1.6	- 2.6	758	17.35	1.08	- 2.9	- 1.0
709*	14.07	0.17	1.7	- 3.1	759	17.37	1.31	- 3.1	- 1.1
710*	15.12	0.73	1.5	- 3.1	760	15.32	1.56	- 3.3	- 0.9
711*	12.97	1.46	0.5	- 3.1	761	17.03	1.27	- 3.4	- 1.1
712*	14.82	0.67	0.4	- 3.1	762	16.85	0.84	- 3.9	- 1.0
713	15.13	0.57	0.8	- 2.9	763	16.80	0.45	- 3.5	- 0.6
714	16.71	0.70	0.9	- 2.9	764	17.48	0.74	- 3.5	- 0.4
715	17.29	1.15	0.5	- 2.8	765	16.70	0.50	- 3.4	- 0.4
716	14.77	0.33	0.5	- 2.5	766	17.27	0.79	- 3.3	- 0.5
717	13.47	0.45	0.3	- 2.3	767	17.59	1.23	- 2.7	- 0.3
718	15.94	0.46	0.6	- 2.0	768	16.38	0.92	- 3.2	- 0.1
719	16.92	0.42	1.0	- 2.0	769	16.93	0.66	- 3.6	- 0.1
720	16.40	0.63	1.3	- 1.9	770	16.67	0.56	- 3.9	- 0.1
721	16.58	0.52	0.5	- 1.7	771	17.42	0.85	- 4.2	- 0.4
722	15.02	0.41	- 0.3	- 2.0	772	17.28	0.92	- 4.2	- 0.2
723	15.17	0.40	- 0.5	- 1.9	773	17.06	0.96	- 4.4	- 0.1
724	15.87	0.84	- 0.6	- 2.1	774*	15.43	0.70	- 4.7	0.1
725	16.90	0.93	- 0.5	- 2.4	775	17.75	1.38	- 5.0	0.2
726	14.74	0.70	- 0.2	- 2.7	776	16.41	0.56	- 4.9	0.7
727	12.36	0.85	- 0.3	- 2.7	777*	15.52	0.56	- 4.9	0.9
728	11.05	0.90	- 0.6	- 2.7	778	16.42	1.19	- 4.9	1.1
729	13.77	0.49	- 1.1	- 3.0	779	14.53	0.54	- 5.0	1.5
730	17.29	0.20	- 1.4	- 2.9	780	15.82	1.24	- 4.9	1.4
731	14.69	0.85	- 1.5	- 2.7	781	15.74	0.65	- 4.8	1.3
732	17.01	1.24	- 1.5	- 2.5	782	15.89	-0.62	- 4.7	1.0
733	15.03	0.43	- 1.2	- 2.5	783	17.43	1.29	- 4.4	0.8
734	17.58	1.28	- 0.9	- 2.6	784	16.01	0.91	- 4.5	0.6
735	17.38	1.08	- 0.8	- 2.2	785	17.07	0.61	- 4.6	0.4
736	15.96	0.28	- 0.8	- 1.8	786	17.08	0.90	- 4.3	0.2
737*	15.24	0.22	- 1.1	- 1.8	787	15.60	1.03	- 4.2	0.2
738*	12.93	0.84	- 1.1	- 1.8	788	16.19	0.60	- 3.8	0.1
739	14.42	1.26	- 1.3	- 1.7	789	17.53	0.37	- 3.6	0.9
740	16.17	0.84	- 1.7	- 2.2	790*	14.66	0.18	- 3.5	0.7
741*	16.35	0.89	- 1.9	- 2.2	791	17.23	0.87	- 3.5	0.4
742	15.36	0.31	- 2.1	- 2.3	792	15.84	0.42	- 3.2	0.4
743	17.21	0.19	- 2.0	- 2.9	793	16.87	0.63	- 2.7	0.2
744	17.02	1.14	- 2.1	- 2.9	794	15.93	0.58	- 2.6	0.4
745	14.84	0.54	- 2.6	- 2.2	795	17.02	1.20	- 2.5	0.4
746	14.92	0.84	- 2.8	- 2.3	796	16.81	0.07	- 2.6	0.6
747	14.46	0.43	- 2.8	- 2.1	797	16.71	0.31	- 2.8	0.7
748	16.10	1.28	- 3.0	- 1.9	798	16.64	0.43	- 2.9	0.9
749	17.28	0.64	- 3.3	- 1.7	799	17.31	1.44	- 2.9	1.0
750*	14.31	1.20	- 3.2	- 1.6	800	16.36	0.74	- 2.6	1.0

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
801	16.43	0.86	- 2.9	1.1	851	17.43	0.99	- 4.5	4.9
802	16.89	0.60	- 3.1	1.0	852	16.98	0.73	- 4.8	5.0
803	16.23	0.53	- 3.3	1.0	853	13.59	0.56	- 4.9	5.8
804	15.02	0.39	- 3.3	1.2	854	17.54	1.43	- 4.7	5.6
805	17.05	0.48	- 3.5	1.2	855	17.32	0.61	- 4.6	5.8
806	17.10	0.56	- 4.1	1.0	856	17.46	0.79	- 3.7	6.0
807	16.39	1.09	- 4.2	1.3	857	15.91	0.35	- 3.6	6.0
808	16.88	1.12	- 4.4	1.4	858	16.02	0.41	- 3.1	5.6
809	16.74	0.69	- 4.1	1.8	859	16.56	0.92	- 3.1	5.5
810	16.76	0.77	- 3.3	1.8	860	17.25	1.40	- 2.5	5.3
811	16.67	0.52	- 2.9	1.4	861	17.20	0.78	- 2.9	5.8
812	16.46	0.37	- 2.7	1.4	862	17.59	1.02	- 3.0	6.2
813	16.92	0.61	- 2.9	2.5	863	17.60	0.99	- 2.9	6.2
814	17.26	0.81	- 3.2	2.3	864	14.73	0.60	- 2.6	6.7
815	17.00	1.06	- 3.8	2.1	865	12.21	0.54	- 2.7	6.8
816	17.58	0.53	- 3.8	2.3	866	14.39	0.36	- 3.5	6.9
817	16.80	0.69	- 3.9	2.2	867	14.44	0.48	- 3.2	6.6
818	17.37	-	- 4.1	2.3	868	16.28	0.59	- 3.0	6.5
819	14.42	0.51	- 4.6	2.4	869	15.70	0.54	- 3.1	6.4
820	17.01	0.26	- 3.9	2.6	870	12.30	0.99	- 3.3	6.4
821	17.22	0.41	- 3.6	2.9	871	17.53	0.98	- 3.4	6.3
822	17.28	1.69	- 3.9	3.0	872	15.33	0.24	- 3.6	6.6
823	17.41	0.61	- 4.2	2.8	873	16.73	0.08	- 4.0	6.5
824	16.19	0.44	- 4.5	2.9	874	15.64	1.90	- 4.3	6.4
825	17.62	0.91	- 4.6	3.2	875	16.98	0.65	- 4.3	6.7
826	16.52	0.45	- 4.3	3.0	876	17.28	1.12	- 3.9	7.0
827	15.63	1.52	- 4.0	3.2	877	17.39	0.06	- 4.5	7.1
828	16.65	1.19	- 2.7	3.1	878	15.71	0.38	- 5.4	7.3
829	11.85	1.04	- 2.3	3.3	879	17.10	0.40	- 5.3	7.3
830	17.50	0.85	- 2.4	3.5	880	15.03	1.01	- 4.7	7.3
831	17.66	0.66	- 2.5	3.6	881	17.01	0.88	- 4.1	7.4
832	15.85	1.02	- 2.7	3.9	882	12.78	0.63	- 3.6	7.7
833	17.59	-	- 2.5	4.0	883	14.62	0.93	- 3.4	7.4
834	15.24	0.64	- 2.9	4.0	884	17.34	1.61	- 3.1	7.7
835	17.04	1.21	- 2.9	4.1	885	16.75	1.70	- 3.1	7.5
836	12.89	0.84	- 3.1	4.1	886	16.74	0.43	- 2.8	7.4
837	15.04	0.32	- 4.0	3.9	887	16.88	0.57	- 2.5	7.9
838	16.08	0.43	- 4.5	4.1	888	16.71	1.32	- 2.8	7.9
839	14.98	0.35	- 5.0	3.9	889	15.21	0.46	- 2.8	8.3
840	17.31	-0.12:	- 5.1	3.9	890	13.78	1.16	- 2.8	8.9
841	17.10	0.55	- 4.2	4.5	891	17.45	-	- 2.6	9.1
842	15.81	0.52	- 3.9	4.7	892	17.22	0.87	- 2.2	9.4
843	11.59	0.45	- 3.6	4.7	893	17.63	1.35	- 2.0	9.7
844	17.36	0.04	- 3.3	4.7	894	13.25	0.89	- 2.3	9.5
845	16.70	0.74	- 3.5	5.0	895	17.18	1.07	- 2.8	9.3
846	13.66	0.40	- 3.6	5.2	896	16.83	0.87	- 3.1	9.2
847	17.42	1.22	- 3.8	5.4	897	14.38	0.45	- 3.4	9.1
848	16.19	0.66	- 3.9	5.1	898	17.36	1.94	- 3.3	9.0
849	14.60	0.17	- 4.1	4.9	899	17.56	1.70	- 3.4	8.8
850	17.65	0.33	- 4.3	5.0	900	17.35	0.88	- 3.5	8.5

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
901	17.29	0.44	- 3.7	8.3	951	16.72	0.51	- 4.5	11.4
902*	14.85	0.62	- 4.0	7.9	952	15.87	1.01	- 4.6	11.2
903*	14.43	0.74	- 4.1	7.9	953	17.13	1.75	- 4.6	11.1
904*	12.55	0.45	- 4.2	7.8	954	17.47	-	- 3.0	11.4
905	17.44	2.03	- 4.6	7.7	955	16.00	0.69	- 3.0	11.3
906	15.76	0.60	- 4.5	8.2	956	17.13	0.39	- 2.9	11.0
907	17.47	0.96	- 3.9	8.4	957	17.66	-	- 2.5	10.4
908	17.41	1.35	- 3.9	8.7	958	17.61	-	- 2.3	10.4
909	17.36	0.82	- 4.1	8.8	959	17.30	0.77	- 2.0	10.4
910	16.46	0.78	- 4.1	9.3	960	17.24	-	- 1.7	10.5
911	13.92	0.45	- 3.9	9.3	961	17.38	-	- 1.5	10.7
912	17.43	-	- 3.7	9.7	962	17.41	0.84	- 2.3	11.6
913	16.24	0.81	- 3.3	10.5	963	16.49	0.61	- 2.6	12.3
914	17.58	1.34	- 3.7	10.9	964	17.50	1.05	- 2.4	12.4
915	17.38	0.60	- 4.5	10.4	965	15.27	0.79	- 2.2	11.9
916	17.13	-	- 4.3	10.4	966	16.25	1.41	- 1.8	11.7
917	14.73	0.53	- 4.5	10.6	967	17.24	0.82	- 1.8	11.9
918	17.43	0.81	- 4.7	10.3	968	17.49	1.31	- 1.7	12.1
919	17.47	1.69	- 4.8	9.8	969	17.67	-	- 1.8	12.3
920	17.36	0.56	- 4.9	9.6	970	16.48	0.42	3.2	- 1.8
921	16.39	0.72	- 4.7	9.4	971	16.81	0.63	3.0	- 1.6
922	15.96	0.61	- 4.8	9.1	972*	16.69	0.31	2.6	- 1.7
923	15.67	1.12	- 4.9	8.9	973*	17.19	0.60	2.6	- 1.6
924	15.33	0.39	- 5.4	8.3	974*	15.50	0.60	2.5	- 1.4
925	16.71	0.31	- 5.7	8.4	975	17.49	0.91	3.6	- 1.6
926	17.11	0.41	- 5.9	8.5	976	14.36	0.66	3.5	- 1.3
927	17.13	1.33	- 5.6	9.1	977	17.14	0.77	3.2	- 1.2
928	17.46	1.17	- 6.2	9.0	978	15.77	0.46	3.2	- 1.1
929	17.55	1.16	- 6.3	9.6	979	17.46	0.45	3.0	- 0.8
930*	14.02	-0.11	- 6.0	9.8	980	17.16	0.27	3.2	- 0.6
931*	12.60	0.17	- 5.9	9.7	981	15.20	0.43	3.2	- 0.6
932	16.82	0.40	- 5.5	9.9	982	15.40	0.87	2.8	- 0.7
933	17.22	1.16	- 5.3	10.0	983	17.03	0.69	2.5	- 0.7
934	14.94	0.75	- 5.4	10.0	984	16.20	0.35	2.0	- 1.0
935	14.45	0.81	- 5.9	10.3	985	17.60	0.61	1.8	- 0.9
936	17.41	1.71	- 6.3	10.9	986	17.60	0.70	1.8	- 0.7
937	17.70	0.36	- 6.3	11.0	987	16.77	1.43	1.7	- 0.4
938	16.99	0.47	- 6.0	10.9	988	15.99	1.08	2.2	- 0.6
939	15.92	0.79	- 5.9	10.9	989	14.36	0.81	2.2	- 0.4
940	17.00	1.08	- 5.6	10.7	990	14.71	0.51	2.4	- 0.3
941	17.68	0.45	- 5.2	10.4	991	15.86	0.59	2.3	- 0.2
942	16.39	1.32	- 5.3	10.7	992	15.39	0.54	1.9	0.5
943	17.10	-0.01	- 5.2	11.0	993	17.55	0.73	1.7	0.5
944	13.55	0.38	- 5.2	11.2	994	17.52	0.75	1.6	0.8
945	17.49	1.23	- 5.6	11.3	995	15.66	0.30	1.6	1.0
946	17.48	0.97	- 4.1	12.1	996	16.39	0.15	1.7	1.1
947	15.27	1.14	- 4.0	12.1	997	15.46	0.40	1.9	1.1
948	17.26	1.41	- 4.0	11.9	998	15.18	0.50	2.2	1.3
949	14.56	0.41	- 4.0	11.8	999	16.58	0.34	2.3	1.2
950	15.02	0.88	- 4.3	11.6	1000	17.45	-	2.2	0.9

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1001	16.97	1.20	2.8	1.2	1051	16.01	0.67	- 0.5	2.3
1002	14.52	0.39	2.8	1.0	1052	16.01	0.32	- 0.7	2.5
1003	17.47	1.25	2.8	0.9	1053	15.41	0.64	- 0.5	2.5
1004	17.12	0.68	3.0	0.8	1054*	12.09	1.05	- 0.3	2.5
1005	14.91	0.62	2.9	0.7	1055*	17.30	1.31	- 0.2	2.7
1006	17.27	-	2.6	0.5	1056*	17.58	-	- 0.1	2.8
1007	13.97	0.72	2.4	0.2	1057	17.30	0.96	- 0.3	2.8
1008*	14.51	1.06	3.0	0.2	1058	17.12	0.89	- 0.4	3.0
1009	17.55	0.29	3.3	0.5	1059	16.20	1.02	- 0.5	2.9
1010*	14.07	0.90	3.4	0.5	1060	17.36	0.69	- 0.4	2.8
1011	15.52	0.97	3.6	0.4	1061	17.51	0.40	- 0.5	2.7
1012	15.36	0.48	3.7	0.5	1062	17.59	1.12	- 0.7	2.8
1013	15.88	0.92	3.7	0.9	1063	15.27	0.23	- 0.8	2.8
1014	11.60	0.35	3.2	0.9	1064*	14.74	0.68	- 1.1	2.8
1015	16.15	0.64	3.1	1.2	1065	15.04	0.45	- 1.2	3.0
1016	17.72	-	3.0	1.3	1066	16.51	0.70	- 1.1	3.1
1017	16.69	1.03	3.4	1.4	1067	17.27	0.55	- 1.2	3.2
1018	16.92	0.30	2.9	1.9	1068	16.20	0.55	- 1.9	2.9
1019	17.22	0.82	2.8	1.5	1069	17.28	0.86	- 1.9	3.0
1020	16.79	0.47	2.6	1.7	1070	15.42	0.39	- 1.5	3.5
1021	14.60	0.42	2.4	1.9	1071	16.81	0.41	- 1.1	3.5
1022	16.68	0.10	2.2	2.0	1072	17.38	0.87	- 0.8	3.3
1023	15.77	0.26	2.2	1.9	1073	16.96	0.34	- 0.8	3.5
1024	14.83	0.50	2.2	1.8	1074	13.92	1.02	- 0.5	3.8
1025*	13.04	0.47	2.3	1.6	1075	15.25	0.76	- 0.2	3.7
1026*	12.26	0.87	2.2	1.7	1076	16.64	0.61	- 0.2	3.5
1027	16.20	0.27	2.1	1.6	1077	16.17	0.51	0.3	3.6
1028	17.30	0.45	2.0	1.5	1078	17.51	0.81	1.1	4.2
1029	15.65	0.33	1.8	1.6	1079	14.49	0.95	1.1	4.6
1030	17.36	0.74	2.0	1.8	1080	17.55	-	0.7	4.7
1031	17.17	-0.29:	1.8	2.2	1081	16.22	0.47	0.7	4.4
1032	14.61	0.99	1.7	2.1	1082	17.00	0.94	0.5	4.3
1033	16.94	0.47	1.4	2.1	1083	16.02	0.15	0.8	4.1
1034*	15.67	0.40	1.1	2.0	1084	16.04	0.42	0.5	4.1
1035	13.12	0.44	1.0	1.9	1085	16.55	0.30	0.1	4.1
1036	15.18	0.74	0.7	2.1	1086	17.36	0.99	0.0	4.3
1037	16.70	0.58	0.8	2.4	1087	16.73	0.63	- 0.1	4.2
1038	16.44	0.61	0.7	2.5	1088	14.07	1.03	- 0.4	4.3
1039	12.62	0.96	1.1	2.2	1089	15.99	0.83	- 0.7	4.2
1040	15.51	0.46	1.3	2.3	1090	13.35	0.73	- 0.8	4.6
1041	17.39	0.77	1.7	2.5	1091	16.79	0.46	- 1.1	4.4
1042	14.52	0.49	1.4	2.7	1092	16.26	0.31	- 1.1	4.1
1043	16.88	0.90	0.9	2.8	1093	17.07	0.25	- 1.4	4.1
1044	16.29	0.36	0.7	2.8	1094	16.91	0.46	- 1.6	4.1
1045	15.43	0.35	0.5	2.7	1095	16.87	0.76	- 1.6	4.4
1046	17.49	0.91	0.3	3.0	1096	17.60	-	- 1.4	4.6
1047	17.34	0.52	- 0.4	2.0	1097	15.85	0.24	- 2.2	4.5
1048	15.63	0.49	- 0.4	2.1	1098	17.60	0.96	- 2.5	4.4
1049	17.33	0.38	- 0.8	2.0	1099	14.72	0.70	- 2.3	4.7
1050	15.19	0.44	- 0.7	2.1	1100	17.74	-	- 2.3	5.0

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1101	15.90	0.64	- 2.1	4.6	1151	16.96	0.40	- 0.2	7.5
1102	13.54	0.34	- 1.1	4.9	1152	17.37	0.91	0.4	7.3
1103	14.82	0.50	- 0.1	4.7	1153	17.39	0.68	1.0	7.1
1104	15.78	1.09	0.1	4.8	1154	17.33	0.17	1.4	7.4
1105	17.60	0.65	0.1	4.9	1155	16.69	0.85	1.7	7.4
1106	16.31	0.90	0.2	5.0	1156	16.46	0.97	1.6	7.6
1107	17.66	-	0.1	5.3	1157	15.24	0.33	1.5	8.2
1108	17.41	0.30	0.2	5.5	1158	17.53	1.08	1.1	8.6
1109	17.45	0.55	0.2	5.7	1159	17.44	-	1.0	8.4
1110	17.35	1.11	0.1	5.7	1160	17.08	0.81	1.0	8.2
1111	16.37	0.35	0.0	5.5	1161	17.50	-	0.9	8.2
1112	14.64	0.40	- 0.2	5.5	1162	17.88	0.31	0.6	8.5
1113	15.23	0.58	- 0.6	5.0	1163	17.53	0.66	0.9	8.8
1114	16.33	1.27	- 1.1	5.2	1164	16.97	1.21	0.8	9.1
1115	17.14	0.73	- 1.2	5.3	1165	16.98	0.59	0.4	9.1
1116	17.55	0.94	- 1.8	5.5	1166	15.90	1.01	0.3	8.9
1117	17.47	-	- 2.1	6.3	1167	16.21	0.89	0.0	8.9
1118	17.60	0.27	- 2.1	6.2	1168	16.19	0.37	0.1	9.1
1119	16.74	0.57	- 1.8	6.0	1169	17.34	1.22	0.2	9.0
1120	17.35	1.32	- 1.6	6.0	1170	17.68	-	0.2	9.3
1121	16.84	0.96	- 1.4	5.8	1171	14.43	0.44	0.3	9.5
1122	16.50	0.65	- 1.3	5.7	1172	16.19	0.68	- 0.7	9.4
1123	15.93	0.72	- 1.1	5.7	1173	16.81	0.57	- 0.2	9.5
1124	17.10	-	- 0.9	5.9	1174	16.56	0.54	- 0.1	9.8
1125	16.55	0.48	- 0.4	5.9	1175	16.79	1.12	0.6	9.8
1126	17.65	0.71	- 0.1	6.2	1176	16.83	0.76	0.8	9.8
1127*	14.12	0.58	0.6	6.6	1177	17.24	-	1.1	9.6
1128	14.95:	3.07:	0.6	6.7	1178	17.33	1.28	1.0	10.0
1129	17.62	0.72	0.2	6.7	1179	16.58	0.87	1.4	10.2
1130	13.19	1.59	0.2	6.6	1180	14.34	0.76	1.3	10.3
1131	15.52	1.72	- 0.4	6.5	1181	16.31	0.62	1.1	10.4
1132	17.69	0.68	- 1.0	6.7	1182	17.50	-	0.9	10.7
1133	17.31	0.56	- 0.8	6.9	1183	17.36	0.93	1.2	11.2
1134	16.30	1.37	- 0.7	7.0	1184	16.59	0.37	1.2	11.3
1135	15.31	0.43	- 0.9	7.0	1185	17.47	0.92	0.6	11.2
1136	17.59	0.63	- 1.1	7.2	1186	17.45	0.79	0.4	10.9
1137	15.28	0.70	- 1.1	7.3	1187	16.92	1.69	0.5	11.9
1138	16.85	1.65	- 1.3	7.4	1188	16.30	0.71	0.2	11.8
1139	14.82	0.40	- 1.7	6.9	1189	16.60	0.69	- 0.1	11.4
1140	15.16	0.65	- 1.8	7.2	1190	17.61	-	0.0	11.2
1141	17.52	0.47	- 1.7	7.3	1191	16.85	1.83	0.1	11.1
1142	16.14	0.37	- 1.8	7.9	1192	17.19	1.02	0.2	10.6
1143	15.56	0.72	- 1.5	8.4	1193	17.47	1.10	0.2	10.7
1144	16.31	1.73	- 1.3	8.7	1194	15.86	0.67	0.1	10.4
1145*	17.14	1.00	- 1.1	8.7	1195	16.04	0.17	- 0.7	10.5
1146*	17.51	1.19	- 1.1	8.8	1196	14.66	0.96	- 0.8	10.5
1147	17.27	1.59	- 0.9	8.4	1197	17.33	1.02	- 0.8	10.8
1148	17.19	0.60	- 0.3	8.4	1198	16.42	0.52	- 1.1	11.0
1149*	16.38	1.81	0.0	7.8	1199	14.67	0.13	- 0.9	11.8
1150*	16.00	1.04	0.0	7.7	1200	16.25	0.45	- 1.2	12.7

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1201	17.60	0.73	- 0.8	12.9	1251	15.98	1.31	3.5	8.8
1202	17.43	1.14	- 0.3	12.7	1252	15.86	0.50	3.7	8.7
1203	14.72	0.72	- 0.2	12.2	1253	17.29	-	3.5	8.6
1204	16.26	0.39	0.1	12.4	1254	14.85	0.70	3.8	8.3
1205	15.62	1.67	0.6	12.6	1255	17.50	-	3.8	8.0
1206	15.80	0.77	2.3	12.4	1256	16.27	0.72	4.7	8.3
1207	15.16	1.09	2.8	12.1	1257	17.47	0.85	4.7	8.1
1208	17.45	0.95	3.9	12.2	1258	16.81	0.78	4.8	7.9
1209	16.14	0.74	4.2	11.9	1259	16.17	0.57	4.5	7.9
1210	15.46	0.66	4.4	11.3	1260	15.25	0.98	4.2	7.7
1211	14.35	0.70	4.7	11.0	1261	15.67	0.36	4.5	7.4
1212	16.43	0.44	4.8	10.8	1262	15.83	0.68	4.5	7.2
1213	17.35	0.77	4.7	10.6	1263	16.37	0.56	4.5	7.0
1214	16.61	0.43	4.4	11.0	1264	17.18	0.09	4.6	6.8
1215	16.86	0.03	4.0	11.3	1265	14.88	0.74	4.2	6.4
1216	15.06	0.74	3.0	11.5	1266	15.75	0.73	3.0	6.3
1217	17.11	0.74	2.5	11.5	1267	17.33	-	3.2	6.4
1218	16.78	0.40	2.0	11.5	1268	15.35	0.53	3.2	6.5
1219	17.39	0.62	1.8	11.5	1269	17.26	0.67	3.6	7.1
1220	15.64	0.53	1.5	11.9	1270	16.36	0.95	3.6	7.4
1221	17.47	1.37	1.7	10.6	1271	15.63	0.39	3.3	7.8
1222	17.56	-	1.9	10.8	1272	14.30	0.63	3.1	8.0
1223	15.30	0.98	2.2	10.7	1273	16.35	1.31	2.9	8.3
1224	17.58	-	2.2	11.1	1274	17.51	0.80	2.6	8.6
1225	17.05	0.36	2.4	11.0	1275	11.06	1.32	2.5	8.3
1226	16.71	1.71	2.9	10.8	1276	16.42	1.15	2.6	7.9
1227	17.20	1.66	2.6	10.5	1277	14.48	0.47	2.2	7.6
1228	16.09	0.71	3.2	10.1	1278*	12.42	1.03	2.9	7.7
1229	15.83	0.63	4.2	9.8	1279*	17.14	0.78	3.0	7.7
1230	15.92	1.06	4.0	10.0	1280	17.53	-	3.1	7.3
1231	13.30	0.39	4.2	10.1	1281	17.51	1.32	2.8	7.1
1232	15.88	0.41	4.6	10.0	1282	17.49	0.39	2.7	7.0
1233	14.94	1.09	4.9	10.0	1283	16.48	0.92	2.7	6.8
1234	11.96	1.01	5.0	9.2	1284	17.14	1.15	2.8	6.6
1235	15.74	0.93	5.2	9.0	1285	17.33	0.76	2.7	6.4
1236	17.32	0.54	5.0	8.9	1286	17.47	0.76	2.6	6.0
1237	14.43	0.62	4.6	9.0	1287	15.59	0.54	2.2	6.3
1238*	17.24	0.85	4.3	9.2	1288	16.11	1.03	2.0	6.9
1239*	15.45	1.27	3.8	9.2	1289	17.18	0.66	1.9	6.9
1240*	15.96	0.69	3.7	9.3	1290	17.29	-	1.4	7.0
1241	17.37	-	3.3	9.5	1291	16.21	0.93	1.5	6.7
1242	17.56	0.32	2.9	9.5	1292	16.03	0.89	1.2	6.4
1243	15.85	0.24	2.8	9.3	1293	14.93	0.84	1.5	6.4
1244	16.53	0.83	2.5	9.2	1294	14.93	0.48	1.6	5.9
1245	17.28	0.85	2.3	9.3	1295	16.88	1.18	1.7	5.9
1246	16.44	1.07	2.1	9.8	1296	16.47	0.36	1.6	5.7
1247	17.47	-	1.5	9.0	1297	16.54	0.62	1.5	5.5
1248	17.41	0.01	2.0	9.0	1298	17.38	0.93	1.3	5.7
1249	16.16	1.29	2.0	9.0	1299	11.11	0.47	1.0	5.5
1250	15.27	0.41	3.4	8.9	1300	17.22	1.34	1.3	5.1



Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1301	14.15	0.38	1.6	5.1	1351	15.49	1.07	3.0	2.6
1302	16.55	0.74	2.4	5.3	1352	17.28	0.56	3.1	2.7
1303	15.03	0.63	3.1	5.3	1353	16.85	1.21	3.7	2.7
1304*	15.05	0.53	3.2	5.6	1354	17.02	0.77	3.9	2.3
1305*	14.92	0.77	3.3	5.5	1355	17.26	1.10	4.1	2.7
1306	17.41	0.41	3.5	5.6	1356	16.71	0.49	4.0	2.9
1307	16.94	1.26	3.5	5.3	1357	16.66	0.80	4.4	2.9
1308	17.39	0.06	3.8	5.3	1358	16.90	0.78	4.4	2.8
1309	17.29	0.90	3.7	5.5	1359	17.05	0.69	4.4	2.3
1310	16.94	0.75	3.7	5.8	1360	17.44	0.80	4.2	1.8
1311	14.56	0.31	4.0	5.8	1361	16.34	0.36	4.6	1.9
1312	16.18	0.61	4.1	3.9	1362	14.29	0.80	4.8	2.3
1313	13.19	0.31	3.9	3.9	1363	-	-	-	-
1314	14.73	0.57	3.7	3.9	1364	17.20	1.03	5.2	2.7
1315	16.84	0.93	3.6	4.1	1365	15.30	0.61	5.3	3.1
1316	16.05	0.73	3.7	4.3	1366	17.51	0.59	5.7	3.3
1317	17.32	1.35	3.3	4.6	1367	14.77	0.19	5.5	3.6
1318	15.04	0.63	3.0	3.9	1368*	16.04	0.53	4.8	3.7
1319	17.37	-	3.2	3.9	1369	16.55	0.33	4.6	3.7
1320	16.46	0.88	3.9	3.7	1370	17.66	0.50	4.8	3.9
1321*	15.89	1.10	4.2	3.5	1371	13.06	1.07	4.9	3.9
1322*	16.92	0.81	4.3	3.5	1372	14.13	0.47	5.0	4.0
1323	14.91	0.21	3.9	3.2	1373	16.72	0.38	4.6	4.3
1324	14.60	0.45	3.4	3.3	1374	15.05	1.66	4.4	4.6
1325	17.70	0.13	2.7	3.0	1375	14.74	0.54	4.8	5.2
1326	16.53	0.51	2.7	3.4	1376	14.81	0.45	4.4	5.0
1327*	14.73	0.98	2.8	3.6	1377	15.64	0.34	4.6	5.3
1328	14.37	1.44	2.4	4.0	1378	16.77	0.46	4.6	5.5
1329	13.57	1.23	2.5	4.4	1379*	17.52	1.04	5.4	6.0
1330	16.91	0.63	2.5	4.6	1380	11.51	0.31	5.6	6.5
1331	17.40	0.17	2.4	4.8	1381	17.53	0.95	5.4	6.6
1332	17.27	1.00	2.2	4.6	1382	16.99	0.83	5.1	6.9
1333	16.91	0.46	1.8	4.7	1383	14.48	0.50	5.0	7.4
1334	13.55	0.35	1.9	4.3	1384	16.45	0.80	5.5	7.8
1335	17.46	1.27	1.7	4.2	1385	17.08	0.58	5.7	7.9
1336	17.37	-0.16:	1.5	3.7	1386	15.79	0.30	6.0	8.0
1337	17.04	0.76	1.1	3.5	1387	15.72	0.57	5.8	8.4
1338	15.15	0.51	1.0	3.2	1388	17.48	-	4.9	8.9
1339	16.89	0.66	1.2	3.3	1389	17.30	-	5.8	8.9
1340	17.34	0.88	1.4	3.1	1390	15.68	0.56	5.7	9.5
1341	17.42	0.35	1.5	3.2	1391	15.18	0.59	5.2	9.7
1342	16.20	0.23	1.7	3.3	1392	17.50	0.70	5.4	9.9
1343*	13.10	0.71	1.8	3.3	1393	15.93	0.66	5.0	11.6
1344	14.49	0.94	2.2	3.3	1394	16.85	0.75	5.3	11.3
1345	13.96	0.28	2.1	3.1	1395	16.14	0.97	5.7	11.5
1346	17.06	0.42	2.1	2.9	1396	17.48	-	6.1	10.9
1347	17.40	0.61	2.2	2.7	1397	17.45	0.83	6.0	10.8
1348	16.87	0.37	2.2	2.6	1398	17.03	0.26	5.9	10.7
1349	16.49	0.41	2.6	2.5	1399	13.15	0.28	6.2	10.6
1350	17.01	0.42	2.6	2.7	1400	16.16	0.21	6.0	10.2

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1401	15.07	0.60	7.0	10.3	1451	16.50	1.50	10.4	6.0
1402	14.90	0.48	7.2	10.3	1452	17.37	1.07	10.9	6.1
1403	17.30	0.75	7.5	10.4	1453	16.20	0.61	11.3	6.0
1404	16.71	0.27	7.5	9.9	1454	17.59	0.44	11.0	5.9
1405	14.13	0.77	8.0	9.8	1455	16.32	0.74	11.9	5.2
1406	16.20	0.08	8.4	9.6	1456	17.37	0.60	11.2	5.2
1407	17.34:	-0.96:	8.4	9.3	1457	17.12	1.10	10.5	5.3
1408	17.36	1.27	8.2	9.0	1458	17.02	0.65	10.6	5.1
1409	17.07	-	8.0	8.9	1459	17.30	-	8.6	5.4
1410	17.15	1.10	7.8	8.9	1460	17.60	0.00	8.2	5.6
1411	15.73	0.14	7.5	9.5	1461	16.90	1.68	8.7	6.2
1412	17.31	-	6.2	9.7	1462	16.48	0.85	8.9	6.8
1413	17.07	0.69	7.0	9.3	1463	15.71	1.21	8.4	6.5
1414	17.38	-	7.1	9.2	1464	14.48	0.61	8.2	6.5
1415	16.28	0.84	6.6	8.9	1465	17.40	0.40	8.0	6.2
1416	16.09	0.23	6.6	8.8	1466	17.44	0.42	7.6	6.9
1417	12.22	0.32	6.2	8.4	1467	15.46	0.58	7.2	6.7
1418	16.02	0.51	6.7	8.2	1468	15.74	0.50	6.9	7.4
1419	15.70	0.44	7.2	8.7	1469	16.84	0.12	6.5	7.9
1420	17.53	0.89	7.3	8.0	1470	17.46	0.69	6.3	7.6
1421	14.08	0.35	7.5	8.1	1471	17.39	1.23	6.0	7.2
1422	17.53	0.79	7.9	8.2	1472	17.47	1.02	5.7	6.9
1423	15.07	0.71	7.7	7.9	1473	17.17	0.30	6.2	7.0
1424	17.06	0.76	7.7	7.8	1474	15.77	0.79	5.9	6.0
1425	16.68	0.53	7.5	7.4	1475	15.95	0.51	6.1	5.6
1426	15.96	1.12	8.1	7.9	1476	14.45	0.55	6.2	5.4
1427	17.33	0.45	8.3	7.7	1477	17.10	0.05	6.3	5.3
1428	11.32	0.98	8.7	7.7	1478	17.55	0.58	6.2	5.3
1429	15.24	0.43	8.7	8.7	1479	16.24	0.66	5.9	5.0
1430	17.24	0.22	9.2	9.2	1480	17.32	0.84	5.2	4.7
1431	13.38	0.56	9.7	8.8	1481	12.00	0.93	6.0	4.7
1432	17.37	1.06	9.3	8.5	1482	14.58	0.35	6.3	4.3
1433	17.39	0.58	9.6	8.4	1483	17.40	0.90	7.0	4.4
1434	16.76	1.51	10.1	8.2	1484	15.85	0.68	7.4	4.6
1435	15.70	0.27	9.9	8.1	1485	15.14	0.19	6.5	5.3
1436	16.79	0.42	9.0	8.1	1486	17.01	0.73	6.7	6.1
1437	14.12	0.69	9.7	7.7	1487	16.24	0.77	7.1	5.9
1438	17.48	1.09	9.4	7.7	1488	17.52	0.45	6.9	5.5
1439	17.32	-	9.0	7.3	1489	14.25	0.95	7.2	5.5
1440	14.87	0.84	9.4	6.9	1490	12.26	0.73	7.5	5.5
1441	12.71	0.56	9.6	6.5	1491	16.95	0.45	7.6	5.4
1442	15.49	0.73	9.9	6.8	1492	13.59	0.48	8.0	5.4
1443	17.27	-	10.7	7.1	1493	15.98	0.53	7.7	5.2
1444	17.05	0.91	10.1	6.6	1494	17.26	0.76	7.5	5.2
1445	17.43	-	9.8	6.3	1495	11.47	0.47	7.9	4.8
1446	15.17	0.98	9.6	6.1	1496	16.93	0.78	9.5	4.5
1447	15.78	0.77	9.4	5.9	1497	13.26	0.56	9.7	4.3
1448	17.12	0.86	9.4	5.8	1498	17.27	1.04	10.8	4.1
1449	15.85	0.72	9.2	5.8	1499	12.39	0.68	10.8	4.3
1450	12.61	1.06	9.8	5.8	1500	17.61	1.06	11.2	4.4

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1501	13.76	0.90	11.7	3.9	1551	16.57	0.61	7.4	3.3
1502	17.40	0.87	12.0	3.7	1552	15.94	0.82	7.6	3.3
1503	15.31	1.38	12.0	3.3	1553	14.48	0.41	7.9	3.1
1504	14.57	1.29	12.1	2.6	1554	17.25	0.61	7.2	2.7
1505	14.55	0.99	12.4	2.0	1555	15.28	1.05	7.1	2.5
1506	17.52	1.01	11.5	1.9	1556	15.33	0.81	7.5	2.1
1507	16.36	0.41	11.3	1.9	1557	16.94	0.58	7.6	1.9
1508*	16.02	0.63	11.6	2.3	1558	13.18	0.79	7.8	1.6
1509	15.42	0.58	11.6	2.8	1559	16.01	0.77	8.0	1.4
1510	17.40	0.85	11.4	2.5	1560	15.08	0.51	7.9	1.0
1511	17.55	0.47	11.2	2.5	1561	16.38	0.61	7.6	1.1
1512	16.13	0.79	11.3	3.0	1562	17.44	0.81	7.4	1.4
1513	17.37	1.06	11.5	3.4	1563	14.54	0.77	7.1	1.4
1514	16.19	0.64	11.0	3.6	1564	16.12	0.16	6.8	2.6
1515	17.25	1.00	10.7	3.5	1565	14.71	0.66	6.6	3.1
1516	16.90	0.43	10.6	3.2	1566	15.78	0.57	5.4	2.6
1517	13.93	0.44	10.5	2.5	1567	17.26	0.44	5.3	2.2
1518	14.45	0.84	10.4	2.2	1568*	17.24	0.52	5.0	2.1
1519	13.21	0.64	10.4	3.4	1569*	14.52	0.69	5.0	2.0
1520	15.35	1.30	10.1	3.9	1570	17.29	0.94	4.3	1.7
1521	16.88	0.99	10.1	3.7	1571	17.44	0.07	-	-
1522	17.38	0.89	9.9	3.4	1572	16.62	0.75	4.1	1.2
1523	15.88	0.66	9.7	3.8	1573	17.66	0.31	4.2	0.3
1524	16.85	0.78	9.5	3.8	1574	14.86	0.30	4.1	0.0
1525	16.59	0.58	9.4	3.5	1575	17.57	0.72	4.3	- 1.3
1526	17.72	0.63	8.9	3.2	1576	17.39	1.04	3.8	- 1.6
1527	16.01	0.98	9.0	2.9	1577	17.49	1.17	3.6	- 2.3
1528	16.13	0.58	9.2	2.9	1578	16.79	0.35	4.0	- 2.5
1529	15.98	0.78	9.8	2.4	1579	17.54	0.52	4.1	- 2.6
1530	17.40	0.37	9.6	2.1	1580	15.41	0.71	4.1	- 2.7
1531	17.17	0.88	9.8	1.9	1581	16.89	1.03	3.9	- 2.8
1532	15.91	0.88	9.8	1.7	1582	15.65	0.25	4.4	- 3.3
1533	11.06	1.50	9.1	1.6	1583	15.82	0.24	3.8	- 4.5
1534	16.93	0.57	9.1	2.0	1584	17.14	0.09	4.0	- 5.2
1535	15.05	0.35	8.3	2.8	1585	12.71	1.06	3.8	- 6.0
1536*	17.10	0.60	8.8	4.3	1586	16.17	1.71	3.8	- 6.2
1537*	17.69	0.36	8.8	4.4	1587	16.81	1.17	4.0	- 6.3
1538	17.45	0.64	8.4	4.3	1588	16.69	0.42	3.7	- 6.4
1539	17.40	-	7.7	4.2	1589	15.98	0.56	3.6	- 7.1
1540	14.86	0.83	7.6	3.7	1590	16.11	0.37	3.4	- 7.6
1541	17.46	0.57	6.6	3.7	1591	17.40	0.38	3.9	- 8.0
1542	16.27	0.81	6.2	3.9	1592	15.40	0.83	3.8	- 8.6
1543	17.38	1.01	5.5	4.1	1593	17.59	0.46	3.2	- 8.9
1544	16.50	1.43	5.3	4.0	1594	14.77	0.30	3.6	- 9.6
1545	17.21	1.00	5.6	3.9	1595	17.01	0.20	3.5	-10.3
1546	16.53	1.16	5.9	3.8	1596	14.40	0.47	3.2	-11.2
1547	17.53	0.36	6.2	3.4	1597	16.04	0.32	3.9	-11.0
1548	17.20	0.99	6.5	3.0	1598	16.94	0.42	3.9	-10.6
1549	15.24	0.58	6.6	3.3	1599	16.60	0.81	4.1	-10.6
1550	13.33	0.58	7.2	3.3	1600	15.45	0.66	4.2	-10.3

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1601	17.30	0.21	4.2	- 9.4	1651	14.18	1.13	6.4	- 7.0
1602	15.91	0.62	4.5	- 9.7	1652	17.45	0.63	7.0	- 7.3
1603	15.38	0.75	5.3	-10.3	1653	16.49	0.50	7.0	- 7.4
1604*	15.57	0.54	5.5	-10.3	1654	16.84	0.60	6.9	- 7.7
1605	17.52	0.59	5.9	-10.1	1655	17.43	0.59	7.6	- 8.1
1606	16.21	0.80	6.3	-10.0	1656	14.03	0.94	8.5	- 8.2
1607	13.56	0.27	6.5	- 9.9	1657	17.40	0.35	8.7	- 7.4
1608	17.31	0.65	6.7	- 9.7	1658	15.29	0.56	8.5	- 7.5
1609	15.40	0.37	6.2	- 9.9	1659	13.59	0.55	8.2	- 7.6
1610	16.81	1.23	6.0	-10.0	1660	16.98	0.41	7.9	- 7.6
1611	17.42	0.47	5.5	-10.0	1661	15.04	0.67	7.9	- 6.7
1612	15.76	0.30	5.2	- 9.8	1662	16.32	0.35	8.0	- 6.3
1613	16.18	0.40	5.5	- 9.5	1663	15.26	0.59	7.6	- 6.2
1614	15.28	0.56	5.4	- 9.3	1664	17.14	0.24	7.8	- 6.1
1615	15.09	0.91	5.2	- 9.2	1665	13.17	0.44	8.0	- 5.9
1616	15.58:	2.80:	3.9	- 9.1	1666	15.72	0.25	7.8	- 5.6
1617	17.41	0.55	4.0	- 9.0	1667	12.44	0.80	8.2	- 5.6
1618	17.60	0.94	4.2	- 8.7	1668	17.20	0.34	8.5	- 5.7
1619	15.81	0.20	4.6	- 8.3	1669	16.73	0.08	8.7	- 5.7
1620*	14.61	0.70	4.8	- 8.4	1670	14.71	0.96	9.2	- 6.2
1621	16.03	0.68	4.9	- 8.8	1671	17.55	-	9.9	- 7.3
1622	14.93	0.42	6.0	- 9.1	1672	17.33	0.92	9.8	- 6.7
1623	16.28	0.39	6.2	- 9.0	1673	15.74	0.51	10.1	- 6.1
1624*	11.08	0.88	6.9	- 9.1	1674	17.41	0.35	10.4	- 5.6
1625	16.00	0.36	7.0	- 8.6	1675	16.45	0.87	10.3	- 5.3
1626	16.30	0.47	6.8	- 8.3	1676	14.85	0.37	10.7	- 5.2
1627	15.69	0.12	6.5	- 8.6	1677	16.66	0.83	11.0	- 5.0
1628	16.46	1.09	6.4	- 8.9	1678	17.63	0.89	11.2	- 5.0
1629	17.35	0.32	6.3	- 8.3	1679	17.07	0.67	11.4	- 4.6
1630	16.77	0.41	5.7	- 8.2	1680	17.46	0.96	10.9	- 4.9
1631	16.31	0.41	6.2	- 7.9	1681	14.89	0.57	10.1	- 4.9
1632	16.60	0.36	5.7	- 7.6	1682	13.24	0.59	10.0	- 5.1
1633	11.13	0.95	4.8	- 7.5	1683	15.92	0.12	9.7	- 5.5
1634	17.56	0.73	4.3	- 7.4	1684	17.03	-0.22:	9.0	- 5.0
1635	14.83	0.39	4.5	- 7.1	1685	16.91	0.34	9.0	- 4.8
1636	13.44	0.38	3.2	- 7.0	1686	17.39	0.72	9.2	- 4.7
1637	14.61	1.07	4.1	- 6.6	1687	17.47	0.62	8.7	- 4.6
1638	14.68	0.43	5.2	- 5.8	1688	17.52	0.56	8.0	- 4.1
1639	15.48	-	5.6	- 6.0	1689	16.85	0.46	7.9	- 4.1
1640	15.33	0.76	5.2	- 6.2	1690	15.43	0.47	7.9	- 4.3
1641	15.09	0.32	5.2	- 6.8	1691	14.75	0.41	8.1	- 4.6
1642	15.68	0.05	5.5	- 6.3	1692	17.23	1.63	7.7	- 5.1
1643	14.01	0.30	5.7	- 6.3	1693	15.48	0.35	7.6	- 5.2
1644	16.63	0.30	5.9	- 6.0	1694	16.01	0.53	7.2	- 4.8
1645	13.92	0.44	6.1	- 6.1	1695	17.29	0.41	7.3	- 4.4
1646	17.13	0.74	6.5	- 6.2	1696	16.85	0.35	7.1	- 4.2
1647	16.77	0.36	6.7	- 6.4	1697	16.07	0.33	7.2	- 4.1
1648	17.51	1.37	6.1	- 6.3	1698	16.49	0.36	7.0	- 4.1
1649	17.47	0.18	5.9	- 6.7	1699	17.39	0.50	6.8	- 4.0
1650	16.14	0.91	6.1	- 6.7	1700	13.69	0.89	6.5	- 4.2

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1701	17.60	1.02	6.4	- 4.4	1751	16.74	0.41	9.5	- 3.0
1702	15.27	0.07	6.5	- 5.6	1752	16.15	0.66	9.3	- 2.8
1703	17.51	0.26	6.0	- 5.7	1753	16.21	0.54	9.7	- 2.4
1704*	12.04	0.61	6.3	- 4.7	1754	14.92	-1.54:	9.8	- 2.8
1705	12.71	0.65	6.2	- 4.8	1755	14.17	1.10	10.2	- 2.9
1706	15.83	0.66	6.2	- 4.3	1756	16.24	0.70	10.4	- 2.9
1707	16.76	0.24	5.9	- 4.2	1757	13.68	1.14	10.6	- 3.0
1708	15.87	0.79	5.7	- 4.3	1758	15.74	0.86	11.1	- 3.3
1709	15.23	0.66	5.6	- 4.9	1759	17.23	1.73	11.7	- 4.0
1710	17.82	0.52	5.3	- 4.9	1760	14.75	0.71	11.9	- 3.4
1711	17.51	0.94	4.9	- 5.0	1761	17.51	1.16	12.1	- 3.2
1712	17.42	1.05	4.7	- 3.2	1762	13.91	0.72	12.4	- 2.4
1713	17.05	1.08	4.8	- 3.6	1763	12.72	0.49	11.4	- 2.4
1714	15.79	0.47	5.0	- 3.6	1764	16.98	0.01	12.0	- 2.1
1715	17.51	0.53	5.5	- 3.5	1765	17.05	0.58	12.3	- 1.9
1716	15.81	0.76	6.1	- 3.6	1766	16.65	0.30	11.4	- 1.8
1717	17.27	1.19	6.3	- 3.3	1767	14.82	0.71	10.8	- 1.4
1718	15.30	0.35	6.1	- 3.4	1768	14.28	0.64	10.8	- 0.2
1719	16.13	0.55	5.9	- 3.4	1769	16.18	1.43	11.2	- 1.3
1720	17.59	0.54	5.8	- 3.3	1770	15.42	0.74	11.6	- 1.3
1721	16.50	0.35	5.7	- 3.0	1771	14.52	0.34	11.9	- 1.6
1722	16.34	0.82	5.1	- 3.0	1772	17.62	-	12.2	- 1.4
1723	17.60	0.69	5.3	- 2.7	1773	17.55	-	12.0	- 0.9
1724	17.36	-0.03	5.8	- 2.7	1774	17.59	-	12.1	- 0.4
1725	16.15	0.86	5.9	- 2.9	1775	16.76	1.05	11.0	- 0.6
1726	17.69	0.96	6.5	- 2.2	1776	13.55	0.92	10.6	- 1.0
1727	16.58	1.15	6.5	- 2.3	1777	14.57	0.78	10.3	- 1.1
1728	17.38	0.30	7.3	- 1.3	1778	16.52	0.62	9.7	- 0.6
1729	15.38	0.43	7.2	- 1.5	1779	15.36	0.73	9.6	- 1.2
1730	17.22	0.50	7.2	- 1.7	1780	15.96	0.33	9.3	- 1.8
1731	14.22	0.86	7.3	- 1.8	1781	16.03:	2.24:	9.2	- 2.1
1732	17.50	-	7.2	- 2.1	1782	14.56	0.59	9.1	- 2.1
1733	16.35:	2.37:	7.5	- 2.1	1783	17.30	1.65	8.9	- 2.7
1734	12.92	0.63	7.2	- 2.3	1784	15.72	0.52	8.7	- 2.4
1735	16.43	0.36	7.4	- 2.7	1785	15.05	0.39	8.4	- 2.1
1736	16.46	0.14	7.4	- 2.8	1786	16.32	0.80	8.7	- 1.8
1737	16.66	1.37	7.4	- 3.0	1787	16.64	0.72	9.1	- 1.4
1738	17.41	0.95	7.8	- 3.1	1788	16.37	0.34	9.2	- 1.2
1739	15.71	0.11	8.2	- 4.0	1789	16.93	0.56	9.2	- 0.7
1740	12.95	0.60	8.4	- 3.8	1790	17.43	0.75	8.3	- 0.8
1741	16.99	0.24	8.5	- 3.6	1791	15.91	0.98	8.2	- 1.1
1742	14.61	0.36	8.2	- 3.2	1792	16.80	0.99	7.8	- 1.1
1743	15.25	0.47	8.4	- 3.3	1793	17.61	0.53	7.7	- 0.6
1744	15.70	0.82	8.5	- 3.3	1794	17.41	0.37	7.5	- 0.9
1745	13.57	1.01	8.6	- 3.2	1795	17.31	0.70	7.2	- 0.7
1746	17.39	0.81	10.0	- 4.3	1796	17.53	-	7.1	- 1.1
1747	15.81	0.43	10.7	- 4.0	1797	14.87	0.83	6.8	- 0.9
1748	15.72	0.54	10.4	- 3.7	1798	14.04	0.37	6.8	- 0.6
1749	17.26	0.86	9.8	- 3.4	1799	15.72	0.84	6.5	- 0.5
1750	15.46	0.56	9.3	- 3.3	1800	16.15	0.36	6.3	- 0.6

Table (Cont.)

No.	V	B-V	X	Y	No.	V	B-V	X	Y
1801	17.54	0.11	5.8	- 0.9	1851*	14.44	0.43	8.7	0.8
1802	15.71	0.47	5.5	- 1.4	1852	16.74	0.38	8.8	- 0.4
1803	16.10	0.41	5.8	- 1.8	1853	17.42	0.72	9.1	- 0.2
1804	16.88	0.98	5.9	- 1.9	1854	16.43	0.63	9.3	0.0
1805	15.86	0.41	5.6	- 1.9	1855	17.00	0.69	9.6	0.0
1806	17.36	1.30	5.4	- 1.8	1856*	17.24	1.45	9.8	- 0.1
1807	16.23	0.92	4.9	- 2.1	1857*	15.50	0.82	9.9	0.0
1808	16.80	0.49	4.5	- 2.3	1858	16.46	-0.39:	9.8	0.4
1809	16.48	0.36	5.1	- 1.6	1859	15.28	0.79	9.6	0.6
1810	16.12	0.94	5.0	- 1.5	1860	17.02	-	9.3	0.6
1811	15.60	0.34	4.9	- 1.4	1861	15.62	0.34	9.2	1.0
1812	15.66	0.38	4.8	- 1.3	1862	16.83	0.37	9.1	1.3
1813	17.09	0.49	5.0	- 1.2	1863	17.59	0.88	9.9	1.6
1814	15.52	0.60	4.9	- 0.4	1864	17.28	1.17	10.3	1.9
1815	17.21	0.23	4.6	- 0.2	1865	13.37	0.47	10.6	1.5
1816	17.36	1.22	5.0	0.1	1866	13.56	-	10.4	1.3
1817	17.58	0.54	5.2	0.5	1867	13.75	0.32	10.3	1.1
1818	17.44	0.25	5.0	0.7	1868	17.77	0.62	10.7	1.2
1819	15.68	0.66	4.9	1.0	1869	17.25	0.46	10.6	0.1
1820	16.06	0.33	5.0	1.5	1870	17.56	0.89	10.8	0.2
1821	14.76	0.33	5.5	1.8	1871	15.52	1.00	10.8	0.4
1822	14.42	0.43	5.6	1.3	1872	16.68	0.08	11.0	0.3
1823	15.96	1.24	5.5	1.1	1873	15.19	0.59	11.6	0.4
1824	16.55	0.84	5.5	1.0	1874	15.94	0.53	11.3	0.8
1825	16.56	0.26	5.7	0.6	1875	13.98	0.55	11.2	1.5
1826	15.57	0.65	5.5	0.4	1876	15.59	0.57	11.7	1.9
1827	15.61	0.55	5.4	0.1	1877	16.75	0.30	11.9	2.1
1828	17.61	1.13	5.6	- 0.2	1878	17.22	1.13	12.4	2.3
1829	17.27	0.73	6.2	- 0.1	1879	16.44	0.89	12.3	2.1
1830	17.32	0.91	6.2	0.2	1880	17.33	1.07	12.6	1.9
1831	17.43	0.96	6.0	0.1	1881	14.00	1.29	12.8	2.0
1832	16.56	0.28	6.0	0.5	1882	16.94	1.31	12.8	1.9
1833	17.54	0.87	6.1	0.7	1883	16.60	0.35	12.5	1.5
1834	16.94	0.55	6.5	0.9	1884	17.11	0.44	12.6	1.3
1835	17.55	-	6.5	1.7	1885	16.96	0.09	12.7	1.1
1836	17.39	0.55	6.9	1.3	1886	17.62	1.00	12.0	1.1
1837	16.30	0.92	6.8	1.1	1887	14.03	0.44	12.1	1.0
1838	14.63	1.15	7.0	1.0	1888	16.41	1.92	12.4	0.7
1839	12.91	1.08	7.1	1.0	1889	15.83	1.16	12.5	0.5
1840	16.57	0.52	7.1	0.2	1890	17.05	0.66	12.6	0.7
1841	15.02	0.38	8.1	- 0.4					
1842	17.51	0.54	8.3	- 0.1					
1843	17.75	0.89	8.2	0.4					
1844	14.91	0.54	7.9	0.2					
1845	16.97	0.26	7.7	0.7					
1846	17.28	1.16	7.7	0.9					
1847	17.25	1.58	8.2	1.6					
1848	15.26	0.76	8.8	1.6					
1849	16.86	0.96	8.8	1.2					
1850	17.59	1.15	9.0	1.1					

## NOTES TO THE TABLE

A \* at the right upper side of the running number denotes that the photographic image of the measured star is distorted by a neighbouring star.

A colon beside the V and B-V colours denotes that the star is measured only on one or two plates or the measured magnitudes obtained from different plates have large dispersion.