

OBSERVATIONAL RESULTS OF THREE-COLOR PHOTOMETRY FOR F-TYPE STARS — II

BY

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The UBV-photometry of F-type stars for the re-examination of two categories in the near-by middle type main sequence stars has been undertaken since 1962 autumn at the Okayama Astrophysical Observatory and its observational results up to 1963 summer were published in the previous paper.¹⁾ The present list contains the results of observations which have been done from 1965 summer to 1966 summer in succession to previous ones. Selections of the stars observed, methods of the observation and reduction, and the accuracy of observations are all the same as Paper I. Of 395 stars in the table, 56 are newly added and 106 revised. Stars observed only once ($n=1$) and some more stars will be anew observed this autumn

In this list the kinematical quantities are added. U, V, W are the space velocity components; directed to the galactic center, in the direction of galactic rotation and of the north galactic pole respectively. The data used in the computation of these components were adopted from the following catalogue respectively: 1) proper motions were adopted from Boss GC²⁾; 2) radial velocities from Wilson RVGC³⁾; 3) parallaxes from Jenkins PC⁴⁾ and Yale BSC⁵⁾.

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REFERENCES

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- 2) B. Boss: General Catalogue (1937).
- 3) R. E. Wilson: General Catalogue of Stellar Radial Velocity (1953).
- 4) L. F. Jenkins: General Catalogue of Stellar Parallaxes (1952).
- 5) F. Schlesinger and L. F. Jenkins: Catalogue of Bright Stars (1940).

List of photometric results and space velocities

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
1	400	0 ^h 06.1 ^m +36 ^p 21'	3	+0.47	-0.11	6.21	19.2 ^k	-11.2 ^k	-6.1 ^k
2	571	0 07.7 +45 48	3	+0.38	+0.24	5.04	—	—	—
3	1671	0 18.5 +37 42	3	+0.40	+0.05	5.19	-16.9	-5.5	-16.3
4	2454	0 25.7 +9 55	1	+0.43	-0.11	6.10	12.2	-26.9	-10.3
5	3268	0 33.3 +12 46	2	+0.51	-0.07	6.43	—	—	—
6	4568	0 45.3 +20 39	2	+0.49	+0.01	6.56	-35.3	-20.0	0.8
7	4614	0 46.1 +57 33	5	+0.57	-0.01	3.44	-28.4	-8.5	-14.7
8	5357	0 53.7 +68 30	1	+0.37	-0.04	6.39	-41.1	-36.5	-5.0
9	6114	1 00.1 +47 06	5	+0.24	+0.07	6.47	—	—	—
10	6301	1 01.7 +29 24	5	+0.42	-0.07	6.21	—	—	—
11	6314	1 01.8 +39 43	2	+0.30	+0.02	6.74	-28.9	-11.1	-10.0
12	6397	1 02.4 +14 41	5	+0.40	-0.08	5.70	—	—	—
13	6479	1 03.2 +4 39	3	+0.37	-0.12	6.43	—	—	—
14	6480	1 03.3 +4 39	3	+0.47	-0.14	7.35	—	—	—
15	6680	1 05.2 +31 45	4	+0.38	-0.05	6.26	-69.0	-41.7	-12.9
16	6706	1 05.3 -10 03	1	+0.42	0.00	5.84	-28.8	-7.2	-1.79
17	6763	1 05.8 +5 23	3	+0.32	-0.03	5.55	40.3	6.9	-22.1
18	7238	1 12.0 +79 39	1	+0.42	-0.09	6.30	39.0	-28.8	2.1
19	7345	1 11.1 +7 19	3	+0.48	-0.01	6.32	-23.5	-18.9	-11.9
20	7927	1 16.9 +57 58	5	+0.67	+0.54	4.94	—	—	—
21	8634	1 22.9 +23 15	4	+0.42	-0.02	6.21	8.2	-15.2	4.7
22	8673	1 23.3 +34 19	2	+0.46	-0.01	6.33	-35.4	-15.4	-14.2
23	8723	1 23.6 +18 55	5	+0.38	-0.12	5.40	6.7	-1.5	6.4
24	8774	1 24.3 +34 07	5	+0.45	0.00	6.29	—	—	—
25	8829	1 24.4 -13 19	1	+0.34	0.00	5.68	-6.0	1.2	-9.0
26	9021	1 27.5 +70 00	1	+0.46	-0.13	5.82	-18.4	-6.4	-5.2
27	9919	1 34.4 +11 53	3	+0.33	-0.06	5.61	9.1	16.3	3.9
28	10204	1 37.7 +43 03	2	+0.21	+0.15	5.62	-36.2	-11.6	-7.3
29	10307	1 38.7 +42 22	5	+0.63	+0.10	4.94	-36.1	-27.7	-0.4
30	10845	1 43.9 +17 10	4	+0.25	+0.14	6.59	-17.4	-10.7	9.6
31	11007	1 45.8 +32 26	2	+0.54	-0.03	5.81	28.8	18.4	41.3
32	11151	1 47.7 +51 41	2	+0.42	0.00	5.92	5.0	-21.3	-13.0
33	11171	1 47.1 -10 56	1	+0.34	0.00	4.68	19.2	3.6	-5.9
34	11257	1 48.2 +10 48	6	+0.30	-0.08	5.97	—	—	—
35	11443	1 50.2 +29 20	4	+0.50	+0.02	3.39	11.6	-19.4	-11.1
36	13174	2 06.6 +25 42	2	+0.32	+0.13	5.00	-9.2	-12.5	-1.1
37	13555	2 10.0 +20 59	2	+0.42	-0.07	5.29	-18.0	-10.0	3.5
38	13594	2 10.8 +47 15	2	+0.40	-0.09	6.04	12.2	-2.3	-9.4
39	13871	2 12.9 +25 33	2	+0.42	+0.01	5.80	-33.9	-9.3	-12.7
40	13872	2 12.9 +24 49	2	+0.48	-0.01	5.60	41.6	-18.9	10.6
41	13974	2 14.0 +34 00	1	+0.61	+0.02	4.87	-36.2	-49.5	11.6
42	14214	2 15.4 +1 31	2	+0.54	+0.07	5.66	-72.0	10.1	18.4
43	14622	2 19.7 +41 10	2	+0.27	+0.07	5.84	36.7	-18.8	-14.1
44	14691	2 19.6 -11 00	1	+0.34	0.00	5.48	-18.4	-41.9	-4.2
45	15138	2 24.5 +50 21	1	+0.40	—	6.14	-6.0	-16.4	-16.0
46	15524	2 27.7 +25 01	2	+0.40	+0.04	5.94	3.2	-20.4	-0.4
47	15550	2 27.8 +19 38	4	+0.24	+0.08	6.20	-25.8	-14.4	-10.3
48	15814	2 30.2 +14 49	4	+0.53	+0.02	6.06	-4.4	9.2	-0.2
49	16220	2 34.1 +32 40	2	+0.48	-0.01	6.27	-8.8	-1.3	15.0
50	16234	2 33.9 +12 14	4	+0.48	-0.10	5.70	-26.2	-32.8	3.7
51	16327	2 35.2 +37 31	2	+0.46	+0.06	6.20	-1.9	5.0	-13.2
52	16647	2 37.6 +5 54	2	+0.37	-0.07	6.31	-18.5	-3.4	-8.7
53	16765	2 38.7 -0 54	1	+0.51	-0.03	5.80	-16.2	-38.4	-1.5
54	16895	2 40.8 +49 01	1	+0.48	-0.03	—	-33.0	-0.6	-0.3
55	17094	2 42.2 +9 54	1	+0.34	+0.09	4.22	-38.7	-18.1	-8.3
56	17163	2 42.7 +4 30	2	+0.28	+0.07	6.11	-18.3	-11.2	-12.7
57	17484	2 46.3 +37 07	2	+0.42	+0.12	6.47	-11.2	2.3	-5.7
58	17584	2 47.4 +38 07	1	+0.36	+0.08	—	-38.6	-36.4	-5.8
59	17904	2 50.5 +38 08	2	+0.40	+0.02	5.35	-18.8	-32.0	-21.7
60	17948	2 52.0 +61 19	1	+0.44	-0.12	5.61	-31.1	8.2	15.7

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
61	18256	2 ^h 53.6 ^m +17° 49'	2	+0.42	-0.04	5.72	-25.8 ^k	-40.6 ^k	-10.3 ^k
62	18262	2 53.6 + 8 11	2	+0.45	+0.05	6.04	-22.4	-12.0	-20.6
63	18404	2 55.2 +20 28	2	+0.42	-0.04	5.85	-42.4	-19.4	- 2.2
64	19978	3 13.9 +77 33	1	+0.19	+0.06	5.51	-28.8	-18.6	- 1.4
65	19994	3 10.2 - 1 23	1	+0.54	+0.12	5.19	-19.7	-17.2	- 6.3
66	20193	3 12.7 +32 40	2	+0.36	-0.04	6.33	- 6.9	13.0	- 7.6
67	20395	3 14.2 - 9 20	1	+0.40	-0.03	6.28	- 1.0	7.6	6.5
68	20675	3 18.3 +48 54	1	+0.42	-0.04	5.93	-56.6	-38.2	11.7
69	21770	3 29.0 +45 53	1	+0.37	—	5.29	41.1	-22.8	- 7.4
70	23005	3 41.3 +67 03	1	+0.34	+0.05	5.82	—	—	—
71	24357	3 50.3 +17 11	2	+0.32	0.00	6.01	-41.6	-19.5	- 1.1
72	24546	3 52.9 +50 33	2	+0.38	-0.03	5.28	-36.0	- 9.7	- 7.5
73	24740	3 53.9 +22 20	1	+0.29	-0.04	5.65	-31.1	-15.3	-16.9
74	25102	3 56.9 +10 11	2	+0.39	-0.04	6.40	-45.0	-16.9	- 1.3
75	25570	4 01.2 + 8 04	1	+0.33	+0.03	5.49	-46.0	-20.9	8.4
76	25621	4 01.5 + 2 42	1	+0.47	+0.04	5.40	14.2	-62.5	23.2
77	25867	4 03.9 +28 52	3	+0.33	-0.08	5.29	- 4.1	10.9	-10.5
78	25998	4 05.3 +37 55	1	+0.45	-0.05	5.53	-31.5	-17.1	- 7.6
79	26015	4 04.9 +15 02	6	+0.39	0.00	6.05	-40.4	-18.6	- 1.0
80	26322	4 07.8 +26 21	3	+0.33	+0.05	5.46	-15.9	2.1	-13.1
81	26462	4 08.7 + 5 24	1	+0.40	-0.06	—	-39.4	-16.6	- 2.9
82	26911	4 12.9 +15 17	2	+0.40	-0.02	6.37	-40.2	-19.6	- 1.4
83	27397	4 17.1 +13 55	2	+0.30	+0.06	5.61	-44.7	-18.9	- 2.4
84	27429	4 17.5 +18 37	3	+0.36	-0.05	6.19	-44.5	-19.3	- 4.3
85	27459	4 17.8 +14 59	2	+0.25	+0.09	5.24	-38.8	-17.2	- 1.6
86	27483	4 18.1 +13 45	2	+0.45	-0.02	6.23	-41.6	-25.9	+ 3.7
87	27786	4 21.4 +33 51	3	+0.38	-0.14	5.80	—	—	—
88	27901	4 22.0 +18 56	4	+0.39	0.00	6.03	-39.2	-19.6	- 2.2
89	27946	4 22.4 +22 05	1	+0.28	+0.07	5.25	-35.3	-19.6	- 0.5
90	27991	4 22.8 +15 50	1	+0.49	-0.04	6.47	-38.7	-18.0	- 1.4
91	28294	4 25.6 +14 38	1	+0.34	+0.02	5.86	-46.1	-19.0	- 2.7
92	28319	4 25.8 +15 46	1	+0.18	+0.15	3.39	-41.2	-16.6	- 3.4
93	28485	4 27.3 +15 32	1	+0.33	+0.06	5.61	-31.4	-13.4	- 1.9
94	28556	4 27.8 +13 37	2	+0.28	+0.09	5.37	-40.2	-17.6	- 2.8
95	28677	4 29.0 +15 45	2	+0.36	+0.03	6.02	-38.0	-18.5	- 0.4
96	28704	4 29.9 +42 58	3	+0.37	-0.01	6.11	21.4	- 8.4	2.5
97	28736	4 29.4 + 5 18	1	+0.40	-0.09	6.34	-41.7	-17.6	- 1.9
98	29169	4 33.5 +23 14	3	+0.37	0.00	6.11	-45.7	-17.0	- 2.0
99	29316	4 36.0 +53 23	3	+0.31	+0.05	5.37	-30.5	-15.0	- 4.4
100	29329	4 39.0 +76 31	1	+0.50	—	6.51	-33.7	-37.8	- 8.9
101	29375	4 35.3 +15 56	1	+0.32	+0.02	5.77	-39.8	-17.2	- 1.0
102	29499	4 36.4 + 7 46	1	+0.25	+0.09	5.42	-37.5	-16.8	- 0.2
103	29645	4 38.4 +38 11	3	+0.56	+0.03	6.01	-59.6	-33.4	19.5
104	29678	4 42.1 +75 51	1	+0.27	-0.04	6.08	-22.6	-25.7	-13.1
105	30606	4 46.3 -16 25	1	+0.49	+0.07	5.91	-28.8	-13.5	-17.6
106	30780	4 48.4 +18 45	1	+0.23	+0.10	5.06	-42.3	-41.4	11.5
107	31236	4 52.0 +19 24	1	+0.29	+0.04	6.36	-35.1	-17.2	- 2.3
108	31362	4 53.2 +24 31	3	+0.32	-0.10	6.39	10.1	- 0.8	- 5.9
109	31761	4 56.9 +39 19	3	+0.40	-0.05	5.97	- 5.4	3.7	- 2.3
110	31925	4 56.8 -16 27	1	+0.38	-0.08	5.69	-40.7	26.8	-31.2
111	33167	5 07.0 +46 54	3	+0.41	0.00	5.70	-40.9	-15.0	- 4.7
112	33256	5 06.2 - 4 31	2	+0.42	—	—	- 9.6	- 4.9	0.8
113	33276	5 06.8 +15 32	2	+0.29	+0.18	4.80	-28.9	- 9.8	- 9.9
114	35317	5 21.3 - 0 55	4	+0.45	-0.05	6.17	—	—	—
115	35736	5 23.8 -19 44	3	+0.39	-0.07	5.91	- 1.1	- 6.7	- 3.1
116	35850	5 24.7 -11 56	3	+0.50	-0.01	6.37	- 8.7	-17.0	- 8.8
117	35984	5 26.5 +29 09	3	+0.44	-0.01	6.26	-13.7	-14.0	- 2.3
118	36673	5 30.5 -17 51	1	+0.21	+0.24	2.60	-25.8	-11.5	- 0.4
119	36719	5 32.5 +47 41	3	+0.26	+0.11	6.12	-14.1	- 0.8	2.7
120	37077	5 33.2 - 4 53	3	+0.23	+0.13	5.29	5.3	5.0	5.5

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
121	38089	5 ^h 40.5 ^m - 6° 49'	4	+0.39	-0.07	6.04	- 0.8 ^k	17.9 ^k	9.8 ^k
122	38558	5 44.5 +17 43	4	+0.26	+0.24	5.55	- 8.4	- 3.9	- 2.0
123	39587	5 51.4 +20 16	2	+0.57	+0.06	4.43	13.7	2.9	- 8.9
124	40832	5 59.6 +32 38	4	+0.41	-0.03	6.28	-35.3	-37.3	- 2.5
125	41074	6 01.5 +42 59	1	+0.29	+0.04	5.89	-43.6	-22.5	-18.8
126	41547	6 03.1 -10 14	2	+0.41	+0.02	5.88	-28.1	-17.1	- 3.7
127	43042	6 11.9 +19 11	2	+0.43	-0.02	5.20	-32.1	-22.7	-21.6
128	43244	6 13.9 +46 27	2	+0.23	+0.07	6.54	7.0	7.9	-11.5
129	43318	6 13.0 - 0 30	2	+0.55	+0.01	5.72	43.6	5.0	-28.8
130	43386	6 13.6 +12 17	2	+0.40	-0.04	5.05	-13.3	10.6	18.0
131	43905	6 17.7 +53 29	2	+0.40	—	5.34	- 6.4	-18.9	- 1.6
132	45947	6 31.6 +73 44	1	+0.37	-0.01	6.26	-10.6	9.1	-16.4
133	46588	6 37.7 +79 37	1	+0.47	-0.02	5.44	-56.7	-29.3	-10.0
134	50420	6 51.6 +43 58	2	+0.28	+0.18	6.11	6.7	- 4.1	- 0.8
135	51530	6 55.7 +26 09	2	+0.45	0.00	6.12	-16.0	27.2	-20.2
136	52711	7 00.3 +29 25	2	+0.54	-0.01	5.93	-15.9	-70.0	- 8.2
137	55052	7 09.4 +24 13	2	+0.30	+0.07	5.78	-12.6	-16.1	- 7.4
138	55057	7 08.8 - 0 13	3	+0.30	+0.12	5.45	-25.5	-16.9	- 6.4
139	55130	7 09.7 +27 19	2	+0.46	-0.06	6.44	14.9	-22.5	-10.0
140	56963	7 17.7 +45 19	4	+0.31	-0.02	5.79	-26.3	8.9	1.3
141	57927	7 21.4 +27 44	2	+0.30	+0.06	5.72	5.7	3.1	3.6
142	58579	7 24.0 +20 22	2	+0.27	+0.06	5.92	- 7.1	- 8.8	0.0
143	58728	7 24.8 +21 33	2	+0.38	-0.06	5.24	-23.2	-22.7	- 7.2
144	58855	7 26.1 +49 47	4	+0.43	-0.10	5.37	25.6	-17.1	- 2.6
145	61064	7 34.8 - 4 00	3	+0.45	+0.10	5.15	-40.5	-25.0	- 2.5
146	61110	7 35.9 +34 42	2	+0.41	+0.08	4.88	-10.7	-26.5	-11.0
147	65123	7 54.7 + 1 16	3	+0.50	0.00	6.42	-23.6	8.8	-38.9
148	65301	7 57.2 +59 11	3	+0.38	-0.06	5.79	36.3	- 6.0	-17.5
149	65448	7 58.0 +63 14	1	+0.58	+0.33	6.42	-21.4	0.1	7.6
150	67483	8 05.9 +13 47	3	+0.42	-0.01	6.29	9.6	- 0.7	- 6.5
151	69548	8 16.4 +57 54	3	+0.38	-0.12	5.91	17.4	- 4.2	- 0.8
152	69897	8 17.0 +27 23	4	+0.44	-0.06	5.15	-24.2	-36.1	7.9
153	70937	8 22.1 - 4 33	3	+0.45	-0.01	6.02	—	—	—
154	70958	8 22.1 - 3 35	3	+0.45	-0.08	5.59	-55.5	-49.1	6.3
155	71030	8 23.0 +17 13	3	+0.40	-0.05	6.16	-37.9	-30.5	- 9.4
156	72041	8 28.6 +24 15	4	+0.27	+0.03	5.77	-24.6	-14.8	- 8.8
157	72291	8 30.2 +36 36	4	+0.35	-0.10	6.26	-12.2	1.5	-16.9
158	72617	8 31.5 + 8 37	4	+0.33	+0.08	6.09	- 8.7	-14.3	3.9
159	74874	8 44.1 + 6 36	1	+0.69	+0.34	3.42	-70.2	-34.9	-63.5
160	75332	8 47.4 +33 28	4	+0.48	-0.01	6.27	- 8.9	-12.2	- 5.0
161	76572	8 54.9 +30 26	4	+0.42	-0.04	6.31	0.4	1.3	13.4
162	77093	8 58.5 +39 55	4	+0.29	+0.02	6.38	- 3.5	-23.1	-16.3
163	77601	9 02.0 +48 44	3	+0.44	+0.15	5.97	- 0.5	-12.0	- 7.0
164	79028	9 10.4 +61 38	1	+0.54	+0.08	5.07	8.8	- 8.4	- 8.0
165	80719	9 18.6 -15 24	1	+0.50	-0.03	6.39	24.9	-11.6	- 4.7
166	81937	9 27.6 +63 17	1	+0.31	+0.10	3.66	18.1	0.4	3.2
167	82189	9 30.2 +72 26	1	+0.41	-0.03	5.63	27.7	-30.0	-10.4
168	84179	9 42.1 +63 53	1	+0.30	-0.04	6.36	8.5	-29.5	-15.1
169	84607	9 43.8 + 2 01	3	+0.32	+0.11	5.72	-12.1	-20.1	- 4.3
170	84722	9 44.7 +11. 48	3	+0.26	+0.07	6.51	-12.5	- 0.1	-13.8
171	84999	9 47.5 +59 17	1	+0.29	+0.10	3.71	-51.2	-14.5	3.9
172	85217	9 47.9 + 4 35	3	+0.47	-0.01	6.31	-31.0	-27.2	-19.1
173	87141	10 01.3 +54 08	1	+0.49	0.00	5.77	6.4	- 6.1	-14.1
174	87301	10 01.6 + 3 27	2	+0.38	-0.02	6.47	- 4.3	-22.5	-21.3
175	88215	10 07.7 -12 34	2	+0.37	-0.03	5.32	-16.0	-43.2	-26.9
176	88815	10 13.9 +73 19	1	+0.22	-0.04	6.42	-22.9	-10.2	14.1
177	89025	10 13.9 +23 40	2	+0.29	+0.19	3.47	17.7	- 0.3	- 7.7
178	89254	10 15.1 - 7 49	2	+0.30	+0.11	5.27	-34.9	-17.7	-10.9
179	89744	10 19.2 +41 29	2	+0.53	+0.06	5.78	- 2.6	-13.4	- 9.3
180	90277	10 23.1 +34 03	2	+0.23	+0.17	4.73	-12.3	-12.5	6.7

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
181	91480	10 ^h 32.0 ^m +57° 20'	1	+0.33	-0.03	5.17	17.8 ^k	5.9 ^k	-5.4 ^k
182	91752	10 33.5 +36 35	2	+0.39	-0.05	6.31	18.3	-4.8	-17.5
183	93765	10 47.2 +28 14	2	+0.36	-0.03	6.06	-4.8	6.2	2.4
184	94480	10 52.0 +25 45	2	+0.29	+0.10	6.25	-19.1	-8.1	17.4
185	95241	10 57.5 +43 11	2	+0.58	0.00	6.05	-11.5	-39.6	-9.8
186	97937	11 13.4 +13 07	2	+0.26	+0.05	6.69	2.2	-18.2	-29.1
187	99285	11 23.0 +16 44	2	+0.34	0.00	5.61	-25.4	-17.6	7.5
188	99564	11 24.6 -12 05	1	+0.51	+0.01	6.00	-18.5	-9.4	0.4
189	99747	11 26.2 +62 03	1	+0.35	-0.07	5.85	-21.9	21.6	-32.0
190	99984	11 27.8 +43 27	2	+0.50	-0.03	5.98	-1.7	3.9	-32.5
191	100563	11 31.8 +3 20	2	+0.43	+0.01	5.80	-13.7	-20.8	-9.6
192	101107	11 35.7 +43 54	2	+0.34	-0.01	5.64	-26.4	-21.2	-4.8
193	101606	11 39.0 +32 01	2	+0.42	-0.09	5.76	-61.3	-23.0	14.4
194	104179	11 57.4 +34 19	2	+0.20	+0.16	6.50	-14.6	0.5	-11.3
195	106516	12 12.6 -10 01	2	+0.46	-0.18	6.13	84.9	-114.3	-99.2
196	108722	12 27.0 +24 23	2	+0.41	+0.10	5.50	-7.2	-8.4	24.1
197	108845	12 17.7 +51 49	2	+0.52	0.00	6.24	-37.9	-11.1	13.5
198	108954	12 28.5 +53 21	2	+0.55	+0.05	6.23	-4.2	12.0	-21.3
199	109141	12 30.0 -13 35	2	+0.39	-0.04	5.76	-37.7	-40.2	15.8
200	110897	12 42.6 +39 33	2	+0.55	-0.06	5.96	-37.6	7.5	76.4
201	111199	12 45.0 -6 02	2	+0.54	+0.04	6.32	9.0	-14.3	4.8
202	111456	12 46.5 +60 36	1	+0.45	-0.05	5.85	14.5	1.1	-10.2
203	111998	12 50.6 -3 17	2	+0.48	0.00	6.16	-30.1	-16.3	-6.4
204	112429	12 53.5 +65 43	1	+0.27	+0.05	5.17	-1.0	0.7	10.6
205	113022	12 58.2 +18 38	2	+0.42	0.00	6.23	-46.5	-17.9	4.3
206	113337	12 59.8 +63 52	1	+0.40	0.00	6.02	-18.9	-17.3	-9.7
207	113848	13 03.9 +21 25	2	+0.37	-0.02	6.04	-6.6	-13.3	1.0
208	114642	13 09.4 -15 56	2	+0.44	+0.01	5.02	8.8	-2.8	-26.9
209	115604	13 15.3 +40 50	1	+0.27	+0.24	4.74	-36.5	-19.1	10.5
210	116568	13 21.9 -4 54	2	+0.39	-0.05	5.61	28.0	5.8	4.2
211	117242	13 26.0 +53 00	2	+0.23	+0.12	6.35	-19.1	-22.9	0.4
212	117361	13 26.7 +50 59	2	+0.37	+0.03	6.44	20.4	-14.3	0.6
213	118660	13 35.7 +14 33	2	+0.24	+0.09	6.54	12.4	-0.5	-5.9
214	119288	13 39.7 +8 38	2	+0.39	-0.06	6.21	-35.6	-39.3	-4.5
215	119992	13 43.4 +56 08	2	+0.46	-0.08	6.52	57.3	-32.0	23.5
216	120136	13 44.9 +17 42	1	+0.48	+0.03	4.49	-36.6	-23.4	-5.8
217	121682	13 54.0 +32 17	2	+0.35	+0.04	6.36	-40.2	-20.2	-12.8
218	122106	13 57.2 -3 18	2	+0.46	+0.06	6.21	-2.1	-13.6	-12.9
219	123255	14 04.1 -9 05	1	+0.35	+0.08	5.58	-43.5	-8.2	-17.4
220	124115	14 09.0 +1 36	2	+0.47	+0.02	6.45	-22.3	-5.7	-8.2
221	124570	14 11.7 +13 12	2	+0.50	+0.07	5.60	-58.5	-62.7	-16.4
222	124850	14 13.4 -5 46	1	+0.51	0.00	4.09	28.1	-41.3	-18.9
223	125111	14 14.4 +39 59	2	+0.36	-0.09	6.40	-21.6	-26.1	-13.7
224	126141	14 20.9 +25 34	2	+0.35	-0.03	6.26	-29.1	-12.2	+1.1
225	126660	14 23.5 +52 05	4	+0.49	+0.02	4.04	10.4	-32.6	6.8
226	126943	14 25.5 +41 15	2	+0.36	-0.07	6.65	-7.0	-20.5	-8.7
227	127739	14 30.3 +22 29	2	+0.32	+0.05	5.96	-27.7	-16.6	0.6
228	127762	14 30.1 +38 32	1	+0.16	+0.18	3.05	-59.8	-7.3	-25.6
229	127821	14 29.6 +63 24	1	+0.40	-0.06	6.11	-15.3	-17.7	7.2
230	128093	14 32.1 +32 45	2	+0.39	-0.02	6.34	9.7	9.0	-14.9
231	128429	14 34.3 -12 06	1	+0.46	-0.03	6.32	-143.5	-27.1	31.2
232	130817	14 47.1 +38 01	2	+0.36	-0.09	6.18	-60.5	-38.3	-7.9
233	130945	14 47.5 +46 19	2	+0.46	0.00	5.80	10.0	-10.5	-0.7
234	132052	14 54.6 -4 09	1	+0.30	+0.01	4.56	15.9	-24.4	11.5
235	132254	14 54.7 +49 50	2	+0.49	-0.02	5.65	44.9	-16.4	-9.5
236	132772	14 57.7 +39 28	2	+0.31	+0.01	5.67	-7.8	4.9	13.8
237	133484	15 01.3 +44 50	2	+0.45	+0.02	6.67	-14.1	-21.9	-7.6
238	134044	15 04.6 +36 39	1	+0.21	+0.01	6.37	-10.0	-7.4	1.3
239	136407	15 18.2 -15 22	1	+0.40	+0.03	6.32	6.6	9.5	2.1
240	136751	15 19.0 +44 37	2	+0.38	+0.02	6.21	20.4	-8.3	0.4

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
241	137006	15 ^h 21.1 ^m - 0° 51'	1	+0.28	+0.10	6.27	14.6 ^k	6.5 ^k	-19.9 ^k
242	139225	15 34.2 +16 17	2	+0.28	+0.02	5.95	11.5	10.4	-15.9
243	139478	15 34.7 +52 14	2	+0.31	+0.02	6.76	-19.8	-6.7	-12.7
244	139798	15 36.7 +46 58	2	+0.36	-0.01	5.83	80.9	-3.2	-17.0
245	142373	15 50.9 +42 35	1	+0.56	0.00	4.60	-45.1	16.6	-70.3
246	142640	15 53.4 -14 15	1	+0.50	+0.03	6.50	2.0	-9.7	-18.5
247	142908	15 54.0 +38 05	2	+0.30	+0.02	5.43	-9.1	0.2	-11.5
248	143333	15 57.5 -16 23	1	+0.52	+0.03	5.64	-47.1	-118.6	16.7
249	143584	15 57.7 +50 01	2	+0.30	+0.03	6.11	12.1	-1.0	3.8
250	143761	15 59.1 +33 27	2	+0.58	+0.08	5.41	71.7	-52.5	24.0
251	144362	16 03.1 -6 09	1	+0.47	+0.05	6.55	1.6	5.7	-23.0
252	144585	16 04.3 -13 56	1	+0.65	+0.17	6.40	—	—	—
253	145976	16 10.7 +26 48	1	+0.38	-0.05	6.52	5.9	-1.2	-14.1
254	146233	16 12.9 -8 14	1	+0.66	+0.11	—	30.1	-18.6	-29.3
255	146361	16 12.8 +33 59	1	+0.50	-0.02	5.66	-6.2	-28.5	10.7
256	146514	16 14.3 -3 50	1	+0.34	+0.13	6.29	—	—	—
257	147449	16 19.5 +1 09	1	+0.27	+0.05	4.99	-46.8	-18.9	-6.5
258	147547	16 19.7 +19 16	1	+0.27	+0.22	3.81	-35.3	-17.1	-9.4
259	148048	16 18.9 +75 52	1	+0.34	+0.06	5.04	-28.7	-13.9	-11.3
260	148515	16 26.1 -8 01	1	+0.41	-0.01	6.58	—	—	—
261	150177	16 36.9 -9 27	1	+0.51	-0.12	6.49	—	—	—
262	150557	16 39.2 +1 17	2	+0.35	+0.09	5.86	-45.6	-17.2	-5.9
263	150680	16 39.4 +31 42	1	+0.63	—	2.78	-51.3	-46.6	-27.7
264	150682	16 39.6 +27 01	1	+0.39	-0.09	5.94	-0.2	-11.2	-9.0
265	151087	16 42.0 +34 08	2	+0.28	+0.04	6.01	-21.3	-13.0	12.3
266	151769	16 47.1 -10 42	1	+0.49	+0.07	4.85	17.9	-8.6	-44.8
267	152598	16 51.1 +31 47	2	+0.28	-0.04	5.34	-6.7	-51.7	25.5
268	153229	16 55.8 -14 48	1	+0.39	-0.01	6.61	—	—	—
269	153897	16 59.2 +27 16	1	+0.39	-0.10	6.56	-8.9	-26.2	-18.3
270	155078	17 07.0 -10 28	2	+0.51	0.00	5.58	2.5	-8.2	15.9
271	156971	17 18.1 -10 39	1	+0.34	-0.01	6.58	—	—	—
272	157214	17 18.8 +32 32	1	+0.62	+0.06	5.39	26.6	-81.4	-63.7
273	157373	17 19.2 +48 14	3	+0.42	-0.10	6.45	24.0	76.5	-65.2
274	157482	17 20.1 +40 01	1	+0.67	+0.19	5.53	16.6	-2.8	-1.6
275	157853	17 22.4 +38 38	1	+0.72	+0.19	6.51	—	—	—
276	157950	17 24.0 -5 03	1	+0.36	-0.04	4.61	2.6	-15.6	9.7
277	158170	17 25.3 -8 10	1	+0.56	+0.15	6.41	—	—	—
278	159026	17 29.0 +38 55	1	+0.50	—	6.48	—	—	—
279	159332	17 31.2 +19 17	1	+0.43	-0.07	5.60	-28.3	-47.2	-26.0
280	159870	17 32.7 +57 35	2	+0.55	+0.24	6.16	—	—	—
281	160933	17 37.1 +69 36	1	+0.57	+0.07	6.44	72.8	-47.8	-5.0
282	161023	17 41.0 -13 29	1	+0.38	-0.09	6.56	—	—	—
283	161149	17 41.1 +14 19	1	+0.38	+0.13	6.21	-36.7	-21.3	-9.4
284	163506	17 53.4 +26 03	1	+0.36	—	5.47	—	—	—
285	163929	17 54.5 +55 59	3	+0.33	+0.07	6.17	-33.7	-17.4	-17.4
286	163989	17 51.7 +76 58	1	+0.47	+0.06	5.12	-29.4	-25.4	-20.4
287	164136	17 56.6 +30 12	1	+0.39	+0.12	4.43	—	—	—
288	164259	17 57.8 -3 41	1	+0.38	0.00	4.63	-37.4	-13.2	-23.4
289	165373	18 02.6 +23 56	2	+0.29	+0.03	6.37	-9.6	-29.9	-17.1
290	165567	18 03.1 +40 05	1	+0.44	-0.01	6.53	—	—	—
291	165645	18 03.5 +41 56	1	+0.25	+0.02	6.26	—	—	—
292	165908	18 05.1 +30 33	3	+0.51	-0.09	5.05	-3.5	-0.9	9.1
293	168092	18 13.8 +56 34	2	+0.33	0.00	6.39	-11.0	-8.9	2.7
294	168151	18 13.6 +64 23	1	+0.40	-0.06	5.09	-5.1	-15.1	-47.1
295	171635	18 31.7 +57 00	2	+0.58	+0.42	4.72	4.3	-13.4	-1.3
296	171834	18 34.2 +6 38	1	+0.34	-0.07	5.45	-1.0	-32.0	-8.8
297	173417	18 42.0 +31 53	1	+0.33	+0.03	5.72	22.1	-13.8	-4.2
298	173494	18 42.6 +23 32	2	+0.39	-0.02	6.35	8.7	-18.6	-11.6
299	173667	18 43.5 +20 30	2	+0.45	0.00	4.20	39.5	0.9	-8.4
300	174309	18 47.8 -22 13	1	+0.37	+0.27	6.63	-29.0	-24.3	10.9

Ser. No.	HD	α (1950.0) δ	n	B-V	U-B	V	U	V	W
301	175317	18 ^h 52.6 ^m -16° 26'	1	+0.35	+0.04	5.81	-31.1 ^k	-41.4 ^k	- 2.5 ^k
302	175824	18 53.5 +48 48	1	+0.42	0.00	5.79	35.1	-19.7	2.1
303	178449	19 05.5 +32 25	1	+0.38	+0.05	5.33	-35.2	36.7	-68.1
304	178476	19 05.9 +21 37	1	+0.39	-0.01	6.25	-37.9	-21.3	- 5.6
305	178619	19 06.4 +16 46	1	+0.67	+0.23	6.10	15.9	- 0.4	- 1.4
306	179422	19 09.5 +26 39	1	+0.40	-0.04	6.37	- 9.7	-24.4	- 9.1
307	181096	19 15.4 +46 54	1	+0.42	-0.03	6.01	-85.3	-36.1	25.6
308	181333	19 17.3 +12 17	1	+0.23	+0.15	5.53	—	—	—
309	182807	19 23.4 +24 49	1	+0.39	-0.05	6.24	95.3	-60.4	-24.4
310	182900	19 24.1 +12 55	1	+0.43	+0.02	5.79	-28.6	-19.7	4.5
311	184960	19 33.0 +51 08	1	+0.44	-0.02	5.71	22.3	2.3	-13.6
312	185124	19 35.1 - 4 46	1	+0.39	+0.08	5.68	-34.9	-23.3	-15.9
313	185395	19 35.1 +50 06	1	+0.37	—	—	-18.8	-27.3	2.8
314	185912	19 37.6 +54 51	1	+0.43	-0.12	5.84	-22.5	-14.4	1.0
315	186155	19 39.3 +45 24	1	+0.36	+0.15	5.06	-39.5	-11.1	-10.3
316	186760	19 42.3 +57 54	1	+0.55	+0.04	6.24	- 0.1	-16.4	-20.9
317	187013	19 44.5 +33 37	2	+0.46	+0.01	5.00	38.1	- 7.7	-23.7
318	187458	19 46.9 +35 11	2	+0.43	-0.11	6.55	-46.2	-10.6	-19.2
319	188074	19 49.8 +47 15	1	+0.34	+0.02	6.21	- 7.5	-16.7	- 3.5
320	191104	20 05.4 + 9 15	1	+0.45	-0.13	6.47	—	—	—
321	191195	20 04.9 +53 01	1	+0.44	-0.03	5.88	-76.2	-34.5	-19.2
322	192985	20 14.4 +45 26	1	+0.44	-0.06	5.95	0.7	-40.3	- 8.7
323	194012	20 20.5 +14 23	2	+0.49	-0.13	6.21	- 3.2	2.5	- 6.8
324	195593	20 29.1 +36 46	1	+0.98	+0.73	6.18	—	—	—
325	196379	20 33.4 +51 41	1	+0.40	+0.40	6.13	—	—	—
326	196524	20 35.2 +14 25	1	+0.45	+0.02	3.65	-19.1	-20.4	-12.5
327	196885	20 37.5 +11 04	1	+0.54	+0.01	6.44	—	—	—
328	197373	20 39.2 +60 19	1	+0.45	-0.08	6.03	-34.2	-21.1	22.0
329	198390	20 47.2 +12 21	2	+0.42	-0.13	6.00	-13.0	11.2	1.1
330	199611	20 54.8 +50 32	1	+0.31	+0.02	5.77	—	—	—
331	199941	20 57.5 +16 38	1	+0.37	-0.15	6.68	—	—	—
332	200375	21 00.5 + 1 20	1	+0.47	-0.01	6.27	18.2	- 0.4	5.5
333	200790	21 03.0 + 5 46	2	+0.53	-0.01	5.94	46.0	-54.0	12.6
334	201507	21 07.4 + 2 44	1	+0.36	+0.02	6.52	—	—	—
335	201601	21 07.9 + 9 56	1	+0.25	+0.05	4.77	3.1	-34.8	-21.2
336	201636	21 06.1 +71 14	1	+0.39	-0.02	5.89	16.9	8.4	- 3.7
337	202275	21 12.0 + 9 48	1	+0.49	—	4.53	5.9	-28.9	-10.8
338	202444	21 12.8 +37 50	1	+0.37	+0.01	3.65	-44.9	-13.0	21.2
339	203156	21 17.4 +38 02	1	+0.50	+0.10	5.90	—	—	—
340	203454	21 19.1 +40 08	1	+0.52	—	6.35	21.3	- 2.5	-17.1
341	203803	21 21.7 +24 04	2	+0.32	+0.05	5.77	-2.39	-15.9	- 7.7
342	203842	21 22.0 + 9 57	1	+0.48	+0.06	6.38	—	—	—
343	203925	21 22.3 +25 58	2	+0.31	+0.04	5.75	- 8.1	- 2.8	- 4.7
344	204121	21 23.9 + 0 53	2	+0.44	-0.05	6.15	5.8	- 3.6	-19.3
345	204153	21 23.5 +46 30	1	+0.33	-0.01	5.64	-27.5	- 0.4	-14.8
346	204485	21 26.0 +32 00	2	+0.31	+0.02	5.82	-33.9	-20.1	- 1.1
347	205420	21 32.3 +22 32	1	+0.50	+0.01	6.52	—	—	—
348	205539	21 33.1 +27 58	1	+0.34	-0.07	6.33	—	—	—
349	205852	21 35.4 +19 06	1	+0.28	+0.11	5.54	—	—	—
350	205924	21 36.0 + 5 33	2	+0.25	+0.02	5.67	-21.7	-12.0	1.4
351	206043	21 36.7 +20 02	2	+0.31	+0.01	5.87	-21.2	-13.5	-11.4
352	206901	21 42.4 +25 25	1	+0.41	-0.07	4.17	- 6.8	- 7.3	0.4
353	207223	21 44.7 +16 58	1	+0.33	-0.01	6.23	—	—	—
354	207652	21 47.8 +17 03	2	+0.34	+0.03	5.27	-11.4	-19.1	-32.8
355	207978	21 50.3 +28 34	2	+0.41	-0.15	5.55	13.3	15.9	- 7.2
356	209166	21 58.7 +12 53	2	+0.33	+0.03	5.62	0.2	0.6	-12.1
357	210027	22 04.7 +25 06	4	+0.44	-0.03	3.76	-16.5	- 6.2	- 8.2
358	210459	22 07.8 +32 56	2	+0.47	+0.21	4.20	—	—	—
359	210705	22 09.7 -14 26	1	+0.38	-0.02	—	5.6	- 0.7	-16.5
360	210763	22 10.1 - 4 58	1	+0.48	-0.05	6.40	14.5	- 2.4	2.5

Ser. No.	HD	α (1950.0)	δ	n	B-V	U-B	V	U	V	W
361	210855	22 ^h 10.0 ^m	+56. 35'	3	+0.49	+0.01	5.24	-50.9 ^k	-30.5 ^k	-6.2 ^k
362	211976	22 18.4	+ 7 56	1	+0.46	-0.13	6.22	- 5.3	8.3	- 7.4
363	212487	22 21.7	+38 19	1	+0.48	-0.03	6.24	—	—	—
364	213198	22 27.4	-13 10	1	+0.31	-0.04	6.42	-45.4	-14.6	-15.3
365	213845	22 32.0	-20 58	1	+0.44	-0.02	5.13	-16.8	-22.8	-14.6
366	215648	22 44.2	+11 55	3	+0.51	-0.03	4.19	5.7	-40.2	-37.5
367	216048	22 47.0	+10 13	2	+0.26	+0.04	6.55	-18.7	-18.1	-10.2
368	216385	22 49.9	+ 9 34	2	+0.45	-0.03	5.24	-55.2	- 5.7	-32.3
369	216756	22 52.7	+36 49	1	+0.41	-0.10	5.93	-10.8	-29.8	4.6
370	217166	22 56.0	+ 9 05	1	+0.62	+0.07	6.46	-41.4	-48.4	-16.9
371	217754	23 00.2	+31 31	1	+0.34	+0.06	6.59	4.2	-17.0	3.5
372	217926	23 01.5	+ 6 21	1	+0.37	+0.04	6.45	—	—	—
373	218235	23 03.8	+18 15	1	+0.43	+0.08	6.15	-66.6	-22.1	- 7.6
374	218470	23 05.5	+49 01	3	+0.40	-0.07	5.68	-43.0	-11.7	15.1
375	218804	23 08.1	+43 17	3	+0.42	-0.10	5.91	58.3	-33.4	- 5.7
376	219080	23 10.3	+49 08	1	+0.30	+0.02	4.55	-15.6	9.2	3.6
377	219291	23 11.9	+29 30	2	+0.44	-0.04	6.44	—	—	—
378	219623	23 14.4	+52 57	2	+0.51	0.00	5.56	7.2	-28.5	-31.0
379	220117	23 18.5	+37 55	1	+0.45	0.00	5.79	- 9.5	-16.7	-11.2
380	220242	23 19.5	+26 20	2	+0.36	-0.01	6.64	—	—	—
381	220460	23 21.3	+32 15	3	+0.44	-0.15	6.72	—	—	—
382	221356	23 28.9	- 4 22	1	+0.52	-0.12	6.51	- 7.8	-29.6	- 4.8
383	221357	23 29.1	-21 39	1	+0.32	+0.14	6.31	0.0	1.4	8.7
384	221950	23 33.8	+ 1 49	2	+0.41	-0.08	5.74	9.2	35.9	-23.6
385	221970	23 34.0	+32 38	3	+0.45	-0.02	6.38	2.4	0.3	1.3
386	222399	23 37.6	+37 23	3	+0.35	+0.10	6.57	—	—	—
387	222451	23 38.2	+36 27	2	+0.38	-0.07	6.25	—	—	—
388	223346	23 46.3	+ 1 56	1	+0.44	0.00	6.49	—	—	—
389	223421	23 46.7	+58 51	3	+0.39	-0.03	6.32	-20.4	23.3	- 5.6
390	223552	23 47.9	+51 21	3	+0.36	-0.11	6.46	-21.7	-34.4	- 8.4
391	223731	23 49.5	+77 19	1	+0.43	-0.13	6.57	-29.1	-10.0	-17.5
392	224342	23 54.5	+42 23	2	+0.68	+0.28	5.99	2.6	- 6.6	1.5
393	224355	23 54.6	+55 26	6	+0.46	+0.02	5.56	—	—	—
394	224758	23 57.8	+26 39	3	+0.49	-0.01	6.48	- 4.9	-11.8	-13.7
395	225003	23 59.9	+ 8 12	2	+0.42	0.00	5.78	21.0	8.7	-10.0