SEVEN-COLOR PHOTOMETRY AND CLASSIFICATION OF STARS IN THE VICINITY OF THE EMISSION NEBULA Sh2-205

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Abstract. We present the results of CCD photometry in the seven-color Vilnius system for 922 stars down to $V \sim 17$ mag in a 1.5 square degree field at the northern edge of the H II region Sh2-205, at the Perseus and Camelopardalis border. Using the intrinsic color indices and photometric reddening-free Q -parameters, two-dimensional spectral types for most stars are determined.

Key words: stars: fundamental parameters, classification – H II regions: individual (Sh2-205) – Vilnius photometric system

1. INTRODUCTION

Here we continue publishing of the results of CCD photometry and photometric classification of stars in the Vilnius seven-color system in the region of a dust ring of a diameter of 8° , centered on the open cluster NGC 1528 and located at the edge of the Perseus and Camelopardalis constellations (Straizys & Laugalys 2007, 2008). The first catalog was published by Zdanavičius et al. (2010, Paper I) in the area centered on the open cluster King 7 and covering partly the southern end of the emission nebula Sh2-205. The center of the second area, investigated in the present paper, is at $\alpha(2000) = 03^{\text{h}}57.0^{\text{m}}$, $\delta(2000) = +53^\circ40'$; $\ell = 148.34^\circ$, $b = +0.21^\circ$. It covers partly the northern end of the Sh2-205 nebula. This nebula is located at a distance of about 1.0 kpc and belongs to the Local arm. The dust map from Schlegel et al. (1998) shows a very uneven pattern of dust distribution in the area, the densest cloud coincides with the nebula in its western (right-hand) side. According to the atlas of Dobashi et al. (2005), there is one of the clumps of a large dust cloud TGU 942.

As we have noted in Paper I, this area is a part of the $3^\circ \times 4^\circ$ size region investigated photoelectrically in the Vilnius system by Zdanavičius et al. (2001). Photoelectric photometry for more stars in the area was published by Zdanavičius & Zdanavičius (2002). The stars from both these papers were used as standards in the present CCD work. The aim of this project is the investigation of the extinction distribution in the vicinity of the nebula Sh2-205, the determination of distances to the dust clouds, and the search of young stellar objects in the area. The Vilnius photometric system and its possibilities are described in detail by Straizys (1992).

Fig. 1. Map of the observed area in the red filter (DSS1 Red from SkyView).

Table 1. Log of observations. The columns give the filter name, the mean wavelengths of the standard system, the range of exposure lengths and the total number of frames in each filter.

Filter	λ_0 (nm)	Exposure lengths	Number of frames
<i>U</i>	345	From 1800 s to 60 s	12
<i>P</i>	374	From 1500 s to 60 s	8
<i>X</i>	405	From 1200 s to 10 s	9
<i>Y</i>	466	From 420 s to 5 s	9
<i>Z</i>	516	From 240 s to 5 s	8
<i>V</i>	544	From 900 s to 5 s	8
<i>S</i>	656	From 240 s to 5 s	16

2. OBSERVATIONS AND PROCESSING

Seven-color CCD photometry in the area shown in Figure 1 was obtained in October of 2010 with the Maksutov-type 35/51 cm telescope of the Molėtai Observatory in Lithuania, equipped with a VersArray 1300B liquid nitrogen cooled camera. It has a backside-illuminated 1340×1300 pixel chip with pixel sizes $20 \times 20 \mu\text{m}$ and with Unichrom UV-enhancement coating. More information about the camera, including its sensitivity function, is given by Zdanavičius & Zdanavičius (2003). The image scale is $3.38''$ per pixel, which results in a field size of $1.26^\circ \times 1.22^\circ$.

The round Vilnius filters *UPXYZVS* with the 50 mm diameters were used. The

Table 2. Internal accuracy of the photometric catalog. The table gives the mean r.m.s. errors in nine magnitude intervals.

V interval	n	σ_V	σ_{U-V}	σ_{P-V}	σ_{X-V}	σ_{Y-V}	σ_{Z-V}	σ_{V-S}
8.00–9.00	3	0.009	0.019	0.013	0.018	0.016	0.016	0.019
9.00–10.00	4	0.009	0.015	0.012	0.027	0.014	0.015	0.027
10.00–11.00	12	0.010	0.016	0.015	0.020	0.015	0.015	0.023
11.00–12.00	35	0.008	0.023	0.015	0.018	0.016	0.015	0.026
12.00–13.00	97	0.009	0.021	0.016	0.019	0.015	0.015	0.022
13.00–14.00	176	0.010	0.035	0.023	0.021	0.018	0.018	0.024
14.00–15.00	288	0.011	0.079	0.028	0.023	0.022	0.024	0.027
15.00–16.00	158	0.014	0.090	0.035	0.032	0.023	0.026	0.029
16.00–17.00	149	0.020			0.053	0.034	0.038	0.052

mean wavelengths of the response functions are given in Table 1. Other details were described in Paper 1. In total, 70 frames of the area with different exposure lengths were obtained (Table 1). The reduction method of the frames was the same as in Paper I.

Zero-points of the transformation equations of instrumental magnitudes and color indices to the standard Vilnius system, were based on 13 stars in the field observed photoelectrically by Zdanavičius et al. (2001) and Zdanavičius & Zdanavičius (2002). As the first stage, the linear transformation equations of magnitudes and color indices to the standard system, determined from observations of the M 67 cluster, were applied. The final adjustment of color equations and zero-points has been done by optimizing the accuracy of photometric classification of a selected set of standard stars in the investigated area.

Fig. 2. Distribution of the measured stars in apparent magnitudes. The shadowed parts of the colons correspond to stars with two-dimensional classification.

3. THE CATALOG

Magnitudes and colors were determined for 922 stars down to $V = 17$ mag. The internal accuracy of the catalog is illustrated in Table 2, where the mean errors in V and color indices in nine magnitude intervals are given. The table shows that the stars brighter than $V = 13$ have r.m.s. errors of all indices lower than 0.02

mag. Down to $V = 15$ the errors of $P-V$, $X-V$, $Y-V$, $Z-V$ and $V-S$ do not exceed 0.026, but the accuracy of $U-V$ becomes twice lower. The U and P magnitudes for the faintest stars with V between magnitudes 16.5 and 17 are not given.

Spectral and luminosity classes are given for about 85% of stars (Figure 2). The two classification methods, COMPAR and QC0KLAS, were described in Straizys et al. (2013) and Milašius et al. (2013). In calculating of interstellar reddening-free Q -parameters the normal interstellar reddening law was applied.

The results of photometry and classification are given in Table 3. The columns list the following information: star number, equatorial coordinates J2000.0 from PPMXL (Roeser et al. 2010), magnitude V , color indices $U-V$, $P-V$, $X-V$, $Y-V$, $Z-V$ and $V-S$, photometric spectral type in the MK system. The color indices with $\sigma = 0.05-0.10$ mag are marked by colons. In the column of spectral types, the optical binaries with separation $< 7''$ and the stars with asymmetrical images, i.e., unresolved binaries with separation $< 1-2''$, are marked by double asterisks. Spectral classes are designated in the lower-case letters to indicate that they are determined from multicolor photometric data.

At the end of Table 3 we give some additional information on identification, binarity, variability, spectral types, etc., taken from the SIMBAD database and other sources. The running numbers of stars having notes at the end of the catalog are marked by asterisks.

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Table 3. Results of photometry and classification of stars in the area. The stars with two asterisks in the last column were not classified in two dimensions since their images are asymmetrical, i.e., these stars are double or multiple. The components of some of them are seen separately but they are closer than 7".

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
1	3:52:47.33	+53:51:15.0	13.03	4.12	3.48	2.44	0.96	0.52	0.92	k3.7 V
2	3:52:48.50	+53:44:18.6	14.56			3.24	1.46	0.59	1.28	k0.5 III
3*	3:52:48.98	+53:29:01.2	8.38	1.43	1.23	0.95	0.49	0.16		b
4	3:52:50.37	+53:43:04.2	14.57	3.57	2.79	2.01	0.92	0.36	0.84	g1.5 III
5	3:52:52.16	+53:45:39.1	13.60		4.39	3.12	1.37	0.53	1.23	k0 III
6	3:52:53.83	+53:55:54.1	13.25		4.20	2.97	1.29	0.51	1.16	k0 III
7	3:52:55.59	+53:59:38.2	13.24		4.87	3.49	1.51	0.60	1.34	k1.5 III
8	3:52:56.06	+53:42:12.5	16.20			3.09	1.38	0.54	1.31	k0 IV
9	3:52:58.39	+53:54:21.3	14.27	3.21	2.38	1.59	0.75	0.28	0.66	f1 **
10	3:52:59.05	+53:22:09.6	16.47			2.79	1.17	0.52	1.11	k **
11	3:52:59.33	+53:19:36.3	16.32			2.80	1.30	0.56	1.22	k1 V
12	3:53:00.17	+53:44:52.9	15.99			2.32	0.98	0.49	0.86	k
13	3:53:03.16	+53:48:37.3	16.25			2.95	1.25	0.64	1.00	k3 V
14	3:53:05.70	+53:44:30.8	16.88			2.40	0.99	0.41	0.96	k0 IV
15	3:53:07.26	+53:23:24.4	15.97			3.36	1.51	0.60	1.32	k0.5 III
16	3:53:07.27	+54:00:05.8	14.23		4.36:	3.17	1.39	0.54	1.24	k0 III
17	3:53:07.72	+53:54:13.3	13.72	3.54	2.74	2.00	0.91	0.34	0.83	g1.5 III
18	3:53:08.41	+53:38:24.6	13.62	3.24	2.45	1.75	0.83	0.31	0.73	f6 IV
19	3:53:10.63	+53:28:18.9	15.99			2.78	1.18	0.48	1.01	k0.7 IV
20	3:53:12.19	+53:47:10.3	16.68			2.62	1.08	0.50	0.97	k1 IV
21	3:53:12.25	+53:48:37.0	12.29	4.86	4.09	2.85	1.19	0.48	1.04	k0.7 III
22	3:53:12.71	+54:02:27.4	12.04	3.38	2.66	1.89	0.88	0.32	0.79	f8 IV
23	3:53:13.92	+53:37:37.7	16.74			2.44	1.03	0.45	0.90	k0 IV
24	3:53:14.24	+53:16:53.2	12.93		4.46	3.16	1.35	0.54	1.21	k1 III
25	3:53:14.39	+53:56:12.2	15.54			3.73	1.51	0.66	1.30	k3.7 III
26	3:53:14.43	+53:43:06.7	12.49	2.93	2.21	1.47	0.69	0.26	0.59	f2 IV
27	3:53:14.53	+53:08:08.4	15.23			2.75	1.01	0.63	1.02	k5.5 V
28	3:53:14.98	+53:36:08.1	14.50	3.47	2.63	1.91	0.92	0.34	0.79	f7 IV
29	3:53:15.27	+53:16:40.2	15.01	3.80	2.99	2.17	0.99	0.40:	0.89	g0 IV
30	3:53:15.75	+53:18:36.2	14.72	3.82	3.03	2.17	0.95	0.39	0.92	g4 IV
31	3:53:15.78	+53:52:39.5	15.29			2.83	1.09	0.58	1.04	k3.5 V
32	3:53:16.22	+53:27:10.7	15.26			3.52	1.55	0.63	1.40	k1 III
33	3:53:17.42	+53:03:53.6	16.20			2.57	1.16	0.52		k1.2 V
34	3:53:19.88	+53:28:18.8	16.33			3.24:	1.34	0.52	1.29	m3 III
35	3:53:21.76	+53:37:03.2	12.44	5.07	4.25	2.96	1.23	0.50	1.11	k1.2 III
36	3:53:22.27	+53:57:42.3	15.61			2.65	1.10	0.53	0.98	k2.5 V
37	3:53:22.49	+53:45:37.0	13.36	3.28	2.42	1.53	0.71	0.26	0.60	a9 IV
38	3:53:22.53	+53:13:38.6	14.05			4.14	1.79	0.72	1.66	m1 III
39	3:53:22.61	+53:08:48.0	16.77			2.60	1.06	0.48	0.97	k0.7 IV
40	3:53:22.88	+53:30:28.9	14.92	3.48:	2.62	1.98	0.93	0.36	0.85	f9 V
41	3:53:24.39	+53:48:13.2	15.32	3.43	2.70	2.02	0.90	0.32	0.79	g1 IV
42	3:53:24.71	+53:16:14.7	14.30	3.42	2.61	1.92	0.89	0.34	0.79	f6 IV
43	3:53:25.00	+53:47:00.9	15.09	3.52:	2.79	2.02	0.90	0.38	0.80	g1 IV
44	3:53:26.66	+53:52:20.1	15.21			3.49	1.52	0.61	1.34	k1.5 III
45	3:53:27.85	+53:36:07.1	16.53			2.67:	1.11	0.63	1.00	k
46	3:53:28.08	+53:15:28.2	16.20			2.37	1.01	0.46	0.91	k1.2 V
47	3:53:28.29	+53:35:41.6	16.69			2.58	1.08	0.48	1.02	k1.2 V
48	3:53:28.86	+54:06:10.5	13.76	3.45	2.47	1.51	0.76	0.28	0.63	a0.5 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
49	3:53:29.24	+53:58:38.4	14.59	3.53	2.64	1.88	0.91	0.35	0.78	f4 IV
50	3:53:29.53	+53:45:19.9	14.61	3.24	2.44	1.76	0.83	0.31	0.71	f6 IV
51	3:53:30.24	+53:40:37.4	12.80	3.18	2.62	1.85	0.79	0.32	0.74	g5 V
52	3:53:30.41	+53:50:49.2	13.43	2.88	2.13	1.50	0.79	0.28	0.67	b6 III:
53	3:53:32.52	+53:32:36.6	13.56	3.39	2.56	1.83	0.87	0.33	0.77	f7 III
54	3:53:33.30	+53:45:49.8	15.19			2.43	1.01	0.46	0.95	k1.5 V
55	3:53:33.79	+54:11:49.9	14.06	3.18	2.42	1.75	0.83	0.33	0.75	f4 V
56	3:53:33.81	+53:29:30.6	14.43	4.44	3.65	2.65	1.15	0.43	1.08	g7 **
57	3:53:34.41	+53:23:33.5	13.97	3.98	2.99	2.18	1.04	0.39	0.91	f6 III
58	3:53:34.57	+53:44:08.7	14.80	3.74	2.92	2.14	0.95	0.37	0.86	f7 III
59	3:53:34.94	+53:58:57.9	12.50	3.43	3.03	2.04	0.73	0.42	0.75	k3 V:
60	3:53:35.11	+53:04:10.6	12.70	3.29	2.52	1.75	0.82	0.29	0.76	f4 IV
61	3:53:35.81	+53:37:37.9	14.90		3.64:	2.63	0.99	0.55	0.96	k3.5 V:
62	3:53:36.79	+53:41:23.8	13.33	3.34	2.64	1.90	0.86	0.32	0.77	f9 IV
63	3:53:36.83	+53:07:34.0	15.13	3.50	2.73	2.04	0.94	0.37	0.82	f7 V
64	3:53:38.32	+54:06:25.9	14.72	3.79	3.07	2.17	0.98	0.40	0.88	g5 III
65	3:53:41.48	+53:21:48.9	14.88	3.54:	2.74	2.01	0.93	0.35	0.81	f **
66	3:53:42.03	+53:39:26.0	14.75	3.48	2.68	1.97	0.91	0.35:	0.78	f7 III
67	3:53:42.22	+54:14:41.8	16.12			2.98	1.28:	0.71	0.99	k **
68	3:53:42.40	+54:07:39.7	16.28			2.65	1.07	0.53	1.02	k2.7 V
69	3:53:42.80	+53:06:51.5	15.02			2.90	1.06	0.68	1.08	k1 IV
70	3:53:43.11	+53:23:08.4	14.64			2.97	1.13	0.68	1.14	k5.5 V
71	3:53:43.17	+54:03:02.4	12.60	3.58	2.67	1.66	0.79	0.28	0.66	a8 III
72*	3:53:43.63	+53:16:23.0	8.17	2.27	2.00	1.32	0.57	0.26	0.52	f-g md:
73	3:53:45.61	+53:40:18.7	16.77			2.46	1.04	0.48	0.90	k1.2 V
74	3:53:45.92	+53:43:48.6	13.51	3.51	2.54	1.66	0.78	0.28	0.69	f0 III
75	3:53:46.26	+53:46:05.3	15.62			3.04	1.16	0.69	1.24	k8 V
76	3:53:47.50	+53:53:43.1	14.53	3.27	2.45	1.97	1.08	0.41	0.84	b6 IV-V:
77	3:53:47.81	+53:07:03.7	16.68			2.75	1.13	0.62	1.07	k
78	3:53:47.95	+53:04:09.4	14.84		3.24	2.28	0.96	0.43	0.94	k0.5 V
79	3:53:48.34	+53:07:36.9	16.25			2.69	1.06	0.58	0.99	k3.5 V
80	3:53:48.74	+53:52:45.0	14.13	3.45	2.67	1.90	0.90	0.33	0.78	f5 IV
81	3:53:48.89	+53:57:26.1	14.35	3.91	3.08	2.23	0.99	0.39	0.92	g3 III
82	3:53:50.88	+53:40:16.1	12.70	3.38	2.81	1.96	0.83	0.33	0.78	g7 IV
83	3:53:50.95	+53:05:08.2	15.38			2.38	0.98	0.46	0.91	k1.5 V
84	3:53:51.07	+54:10:08.2	16.13			2.86	1.14	0.70	1.09	k4 V
85	3:53:51.37	+53:36:17.1	14.23	4.05	3.17	2.37	1.08	0.41	0.97	g1.5 III
86	3:53:52.68	+54:10:19.6	14.19	3.44	2.62	1.89	0.90	0.34	0.78	f5 IV
87	3:53:54.40	+54:00:01.3	16.46			2.70	1.14	0.59	1.03	k2.5 V
88	3:53:55.49	+53:53:47.2	14.69	3.44	2.64	1.96	0.90	0.33	0.80	f7 IV
89	3:53:56.05	+53:26:44.8	14.41			3.24	1.45	0.56	1.33	k0 III
90	3:53:56.84	+53:33:46.9	13.38	3.63	2.86	2.09	0.95	0.34	0.88	f9.5 IV
91	3:53:58.22	+53:44:30.4	16.49			2.45	1.02	0.42	1.00	k0 IV
92	3:53:58.70	+53:56:56.3	14.34	3.35	2.53	1.82	0.86	0.32	0.75	f5 IV
93	3:53:59.37	+53:53:08.9	14.10	3.87	2.81	1.82	0.84	0.31	0.71	f0 III
94*	3:53:59.43	+53:12:56.8	11.07	2.36	1.86	1.40	0.78	0.29	0.69	b2 III-IV:
95	3:54:00.02	+53:29:04.0	16.56			2.65	1.22	0.54	1.15	k0.5 V
96	3:54:00.79	+54:10:26.4	12.12	3.54	2.96	2.10	0.92	0.36	0.84	g7 V
97	3:54:01.04	+53:58:21.7	13.57		4.43	3.17	1.36	0.54	1.21	k0.5 III
98	3:54:01.31	+53:11:51.5	16.57			2.31	0.98	0.41	0.92	k0.5 V
99	3:54:01.80	+53:12:27.1	14.79			3.57	1.58	0.61	1.47	k2.5 III
100	3:54:02.25	+54:11:52.5	11.46	3.09	2.34	1.48	0.70	0.26	0.60	a9 V
101	3:54:02.72	+53:55:19.1	15.78			3.49	1.40	0.63	1.22	k3 III
102	3:54:05.78	+53:58:43.8	13.39	5.33	4.36	3.14	1.37	0.53	1.22	k0 III
103	3:54:06.08	+53:05:38.8	12.80	3.33	2.79	1.89	0.80	0.32	0.75	g6 IV
104	3:54:09.02	+53:30:50.2	16.21			3.00	1.23	0.63	1.23	k3.5 V
105	3:54:09.11	+53:59:28.1	12.80	3.60	2.71	1.89	0.90	0.33	0.80	f4 III
106	3:54:10.62	+53:50:23.1	13.96	3.57	2.53	1.68	0.81	0.29	0.65	a5 III
107	3:54:10.96	+53:16:16.3	14.70	3.36	2.58	1.84	0.86	0.31	0.77	f5 IV
108	3:54:12.16	+54:10:49.7	15.04	3.49	2.65	1.89	0.93	0.38	0.76	f3 IV
109	3:54:13.43	+53:04:01.6	16.68			2.39:	1.04	0.45	0.89	k0 V
110	3:54:13.86	+53:19:26.1	14.27	4.51	3.71	2.70	1.19	0.48	1.06	g8 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
111*	3:54:14.12	+54:04:27.5	10.32	1.79	1.46	0.99	0.56	0.21	0.46	b3 III:
112	3:54:14.29	+53:08:15.7	12.52	3.43	2.54	1.71	0.80	0.30	0.73	f5 III
113	3:54:14.53	+53:16:51.4	16.31			2.83	1.09	0.59	1.10	k3.7 V
114	3:54:14.84	+54:08:44.6	13.62	3.39	2.70	1.96	0.91	0.35	0.81	f9 IV
115	3:54:16.32	+53:45:25.3	14.25	3.88	3.16	2.26	1.01	0.38	0.92	g3 III
116	3:54:17.28	+53:22:46.4	14.96	3.28	2.52	1.86	0.85	0.33	0.77	f7 V
117	3:54:17.29	+53:10:00.3	14.58	3.16	2.33	1.70	0.81	0.30	0.70	f6 IV
118	3:54:17.67	+53:47:55.2	15.02	3.42:	2.66	1.97	0.88	0.34	0.78	f8 IV
119	3:54:17.84	+53:53:59.7	12.91	3.06	2.19	1.34	0.68	0.24	0.55	b9 III
120	3:54:17.88	+53:53:08.7	14.45	3.94:	3.21	2.33	1.03	0.45	0.86	g **
121	3:54:18.08	+53:34:39.1	13.45	3.40	2.64	1.95	0.88	0.33	0.81	f7 V
122	3:54:19.23	+53:11:02.8	12.28	2.43	1.86	1.39	0.76	0.28	0.68	b2 III:
123	3:54:19.27	+53:28:53.9	15.62			2.33	0.95	0.42	0.88	k0 IV
124	3:54:19.47	+53:22:53.3	15.47	3.41	2.61	1.92	0.95	0.36	0.84	f4 V
125	3:54:19.53	+54:03:40.4	14.91	3.67	2.72	1.94	0.93	0.35	0.81	f3 III
126	3:54:21.55	+53:06:38.1	16.75			2.47:	0.99	0.48	0.94	k2.5 V
127	3:54:22.12	+53:08:57.0	14.47	3.49	2.72	1.97	0.89	0.35	0.80	f9.5 IV
128	3:54:22.61	+54:07:34.1	16.50			2.50	1.08	0.49	1.01	k1.5 V
129	3:54:23.03	+53:21:54.6	11.68	4.47	3.74	2.63	1.14	0.45	1.02	g9.5 IV
130	3:54:23.72	+54:08:09.2	13.74	3.35	2.58	1.85	0.88	0.33	0.76	f3 IV
131	3:54:24.36	+53:50:04.2	14.17	3.87	3.15	2.21	0.95	0.38	0.86	g8 III
132	3:54:24.60	+53:31:21.9	10.79	2.73	2.12	1.41	0.65	0.23	0.61	f3 V:
133	3:54:25.43	+53:34:15.2	14.53	3.48	2.62	1.93	0.88	0.33	0.77	f7 III
134	3:54:26.15	+53:46:20.9	14.98	3.63:	2.79	2.10	1.00	0.38	0.89	f8 V
135	3:54:26.39	+53:21:13.9	14.41	3.74	3.06	2.14	0.92	0.39	0.87	g9 V
136	3:54:27.60	+53:11:55.5	12.60	3.07	2.28	1.52	0.72	0.26	0.64	f2 IV:
137	3:54:27.94	+53:34:20.0	12.59	3.17	2.30	1.33	0.63	0.23	0.51	a2 V
138	3:54:27.94	+54:09:14.3	14.13		4.44:	3.11	1.31	0.53	1.13	k1.2 III
139	3:54:28.13	+54:15:55.0	13.41		4.73	3.30	1.38	0.58	1.18	k2 III
140	3:54:28.64	+54:03:10.8	13.62	3.56	2.58	1.61	0.77	0.26	0.65	a7 III
141	3:54:29.59	+54:00:02.4	16.70			2.54	1.11	0.48	1.07	k0.7 V
142	3:54:29.70	+54:16:24.1	14.40	3.32	2.60	1.87	0.83	0.39	0.77	f-g
143	3:54:29.82	+54:04:51.8	14.65		3.95	2.75	1.03	0.58	1.04	k4 V:
144	3:54:30.26	+54:14:04.1	15.92			3.15	1.20	0.77	1.01	k5.5 V
145	3:54:30.40	+53:28:23.5	15.47			2.33	0.96	0.44	0.86	k1 V
146	3:54:30.81	+53:52:16.6	15.12	3.48	2.63	1.88	0.88	0.32	0.77	f4 III
147	3:54:31.11	+53:57:52.2	13.49	5.30	4.40	3.27	1.38	0.52	1.18	k0.5 III
148	3:54:31.71	+53:22:20.9	15.08	3.60	2.85	2.12	0.90	0.35	0.85	g2 III
149	3:54:31.88	+53:36:03.7	16.38			2.59	1.23	0.46	1.03	k-m
150	3:54:32.52	+53:43:46.6	14.39	3.88	3.12	2.25	1.02	0.38	0.87	g **
151	3:54:32.86	+53:33:00.2	15.86			2.53	1.04	0.51	0.93	k2.2 V
152	3:54:32.89	+53:16:50.8	15.50			3.16	1.16	0.77	1.18	k-m **
153	3:54:33.00	+53:40:10.3	16.70			2.37	1.02	0.44	0.90	k0 V
154	3:54:33.90	+53:52:12.3	14.54	3.64	2.60	1.65	0.79	0.28	0.64	a8 III
155	3:54:34.70	+53:21:09.2	15.78			2.43	1.00	0.46	0.97	k1.2 V
156	3:54:35.19	+53:52:44.1	14.70	3.73:	2.86	2.35	1.24	0.43	1.10	a **
157	3:54:35.53	+53:16:22.4	16.53			2.72	1.29	0.57	1.13	g6 V
158	3:54:36.61	+53:55:37.6	11.61	2.80	2.24	1.59	0.74	0.28	0.66	f6 V
159	3:54:36.97	+53:57:02.0	15.26	3.77	2.74	1.96	1.09	0.44	0.88	b **
160	3:54:37.01	+54:13:20.7	14.84	3.36	2.69	1.93	0.88	0.36	0.80	g0 IV
161	3:54:37.02	+53:39:03.5	15.05	3.66	3.07	2.14	0.94	0.38	0.86	g8 IV
162	3:54:38.04	+53:58:10.7	13.34	3.50	2.60	1.75	0.86	0.33	0.69	f0 III
163	3:54:38.12	+53:59:47.8	13.99			3.35	1.34	0.62	1.21	k3 III
164	3:54:38.44	+53:18:20.5	13.88	3.08	2.30	1.54	0.72	0.27	0.62	f2 IV
165	3:54:38.63	+54:07:15.5	16.64			2.75	1.08	0.57	1.10	k3.5 V
166	3:54:38.65	+53:25:48.1	16.94			2.35	0.96	0.39	0.99	k0 IV
167	3:54:38.74	+54:02:11.6	13.53	3.86	3.28	2.29	0.91	0.43	0.88	k1.5 V:
168	3:54:40.03	+53:51:55.8	14.70	3.98:	3.35	2.33	0.99	0.43	0.89	k0.5 V
169	3:54:40.12	+53:51:18.1	12.20	3.30	2.37	1.45	0.74	0.27	0.61	b9 IV
170	3:54:40.16	+53:59:25.3	14.95	3.81	2.84	2.07	0.95	0.35	0.85	f7 III
171	3:54:40.55	+53:56:26.4	14.67	3.65:	2.69	1.84	0.79	0.30	0.62	g5 IV
172	3:54:43.01	+53:46:09.3	12.53	3.13	2.28	1.30	0.60	0.21	0.49	a5 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
173	3:54:43.07	+54:03:23.7	16.59			2.56	1.08	0.53	1.00	k2 V
174	3:54:43.20	+53:27:50.7	11.59		3.35	2.23	0.78	0.49	0.85	k3.7 V:
175	3:54:43.73	+53:51:12.1	16.09			2.58	1.07	0.47	0.94	k0.7 IV
176	3:54:45.90	+53:19:22.8	12.97	2.72	1.92	1.12	0.57	0.21	0.45	b9
177	3:54:46.19	+53:15:57.4	11.79	2.91	2.27	1.58	0.73	0.27	0.67	f4 V
178	3:54:46.21	+53:04:37.1	13.49	3.20	2.59	1.84	0.82	0.32	0.78	g1 V
179	3:54:47.18	+53:34:48.8	16.65			2.67	1.14	0.49	1.03	k0.5 V
180	3:54:48.45	+54:05:19.4	14.30	3.49	2.75	2.00	0.91	0.34	0.82	f9 IV
181	3:54:48.68	+54:05:39.8	13.86	3.29	2.60	1.90	0.88	0.34	0.77	f9 IV
182	3:54:49.05	+54:12:57.8	13.10	3.27	2.40	1.44	0.68	0.26	0.56	a6 IV
183	3:54:49.97	+54:10:09.2	14.34	3.80	2.73	1.78	0.86	0.31	0.73	a8 III
184	3:54:51.31	+54:11:59.6	13.88	3.13	2.23	1.48	0.79	0.29	0.64	b7 III
185	3:54:51.87	+53:51:26.5	16.38			2.44	1.04	0.46	0.94	k0.5 IV
186	3:54:52.90	+54:01:21.4	16.52			2.17	0.99	0.30	1.06	g-k
187	3:54:53.53	+53:29:05.4	14.67	3.51	2.60	1.74	0.81	0.31	0.68	f2 III
188	3:54:54.08	+54:06:31.1	14.81	3.70:	2.93	2.16	0.97	0.38	0.86	g1 IV
189	3:54:55.04	+54:16:19.6	13.86	3.49	2.48	1.54	0.74	0.27	0.62	a4 III
190	3:54:55.43	+53:18:00.8	16.64			2.30	0.96	0.53	0.92	k1 **
191	3:54:55.80	+53:36:14.7	15.96			2.47	1.04	0.45	1.01	k1 V
192	3:54:56.78	+54:04:16.8	13.33	3.28	2.68	1.90	0.83	0.32	0.76	g5 V
193	3:54:56.79	+53:04:58.8	15.71			2.33	0.95	0.48	0.87	k2 V
194	3:54:57.71	+53:46:55.5	16.18			2.24	0.98	0.44	0.92	k0 V
195	3:54:58.48	+54:11:00.8	15.04	3.83	3.21	2.34	1.01	0.41	0.92	g8 IV
196	3:54:58.79	+53:44:59.6	16.30			2.47	1.07	0.42	0.92	g9
197	3:54:58.88	+54:00:02.6	12.86	3.22	2.36	1.38	0.67	0.23	0.53	a3 IV
198	3:54:58.97	+53:42:07.7	16.00			3.05	1.26	0.56	1.18	k1 IV
199	3:54:59.32	+53:09:47.8	14.38	3.69	3.01	2.13	0.89	0.40	0.84	k0 V
200	3:54:59.57	+53:13:05.6	12.52	3.02	2.39	1.67	0.75	0.28	0.70	f8 IV
201	3:55:00.13	+54:15:28.5	14.03	3.52	2.62	1.61	0.78	0.28	0.65	a6 IV
202	3:55:01.98	+53:38:31.7	13.18	3.46	2.65	1.89	0.88	0.32	0.77	f5 III
203	3:55:02.06	+53:13:03.1	15.95			2.49	0.92	0.50	0.98	k3.5 V
204	3:55:03.84	+53:29:46.8	15.86			2.38	0.95	0.42	0.94	k0 IV
205	3:55:04.47	+54:07:10.4	16.41			2.98:	1.13	0.70:	1.07	k6 V
206	3:55:04.59	+53:18:02.8	13.40	3.18	2.42	1.70	0.79	0.29	0.72	f4 IV
207	3:55:05.29	+53:38:53.0	14.62	3.58	2.68	1.98	0.90	0.34	0.79	f9 V
208	3:55:06.06	+53:23:03.7	15.04	3.72	2.92	2.05	0.94	0.36	0.86	g5 V
209	3:55:07.20	+53:26:35.1	15.66			2.59	1.01	0.52	0.97	k2.7 V
210	3:55:07.27	+53:58:50.9	13.62		3.88	2.71	1.14	0.48	1.02	k0.5 III
211	3:55:07.87	+53:24:07.8	15.05	3.46:	2.74	1.98	0.89	0.34	0.82	g0 IV
212	3:55:09.36	+54:14:24.7	16.02			2.36	1.03:	0.47	0.93	k0.7 V
213	3:55:10.78	+53:29:29.2	14.57	3.98:	3.25	2.34	1.04	0.41	0.92	g5 IV
214	3:55:11.35	+54:08:21.3	13.45	3.28	2.40	1.46	0.67	0.24	0.53	a8 III
215	3:55:11.50	+53:27:00.3	13.02	3.21	2.36	1.43	0.68	0.25	0.56	a **
216	3:55:13.58	+53:33:52.7	13.55	3.92	2.85	1.84	0.87	0.30	0.76	a9 III
217	3:55:13.91	+53:16:36.1	15.66			3.12	1.19	0.70	1.23	k6 V
218	3:55:14.15	+53:08:47.0	13.58	4.92:	4.13	2.85	1.15	0.50	1.05	k1.7 III
219	3:55:14.78	+54:02:03.2	14.91			2.87	1.25	0.51	1.09	k0.5 III
220	3:55:14.98	+53:57:43.5	15.88			2.85	1.16	0.67	1.23	k3 V
221	3:55:15.47	+53:39:06.6	16.47			2.75	1.20	0.57	0.97	k1.5 V
222	3:55:16.21	+54:12:15.9	12.91	4.62	3.85	2.72	1.15	0.48	1.01	k0 III
223	3:55:16.27	+53:54:37.9	16.13			2.91	1.21	0.57	1.28	k3 V
224	3:55:16.34	+54:04:22.8	12.66	3.40	2.53	1.61	0.74	0.28	0.62	a9 IV
225	3:55:16.64	+53:21:59.5	13.01	3.34	2.80	1.93	0.80	0.34	0.78	g8.5 V
226	3:55:18.18	+53:59:00.7	13.63	3.33	2.72	1.98	0.85	0.35	0.81	g6 IV
227	3:55:18.21	+53:04:22.4	13.55	3.19	2.31	1.49	0.71	0.26	0.63	f0 III
228	3:55:18.72	+53:54:17.3	15.36	3.45	2.67	2.01	0.92	0.34	0.82	f9.5 V
229	3:55:19.01	+53:38:37.8	15.25			3.80	1.72	0.65	1.54	k0.5 III
230	3:55:21.08	+53:45:49.7	15.44			2.32	1.00	0.43	0.93	k0.7 V
231	3:55:21.17	+53:23:09.3	13.79	3.29	2.42	1.56	0.74	0.27	0.63	f0 IV
232	3:55:22.02	+53:19:55.1	14.85	3.11	2.35	1.70	0.80	0.29	0.70	f7 IV
233	3:55:22.04	+54:04:12.8	11.58	3.23	2.48	1.73	0.82	0.30	0.72	f5 IV
234	3:55:22.32	+53:20:13.7	14.76	3.18	2.37	1.70	0.79	0.30	0.70	f4 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
235*	3:55:23.00	+53:33:27.3	8.48	2.10	1.77	1.15	0.51	0.24	0.48	f7 V, md:
236	3:55:23.20	+54:08:17.1	16.28			2.65	1.13	0.47	1.02	k0.5 IV
237	3:55:23.61	+53:45:15.0	12.11	3.47	2.67	1.91	0.89	0.32	0.80	f4 IV
238	3:55:23.73	+53:17:19.1	16.75			2.52	1.18	0.59	0.98	g5
239	3:55:23.92	+54:11:26.5	15.95			3.22	1.22	0.73	1.25	k8 V
240	3:55:24.61	+53:12:27.0	12.95	2.90	2.19	1.43	0.68	0.26	0.59	f2 IV
241	3:55:24.91	+54:12:16.6	15.76			2.74	1.07	0.64	0.92	k4 V: **
242	3:55:25.58	+53:47:01.5	15.19	3.54	2.86	2.06	0.95	0.34	0.87	f9 IV
243	3:55:25.89	+54:02:58.7	12.02	3.03	2.34	1.63	0.77	0.28	0.69	f3 V
244	3:55:25.94	+54:08:54.0	14.13	3.59	2.63	1.83	0.87	0.32	0.76	f3 III
245	3:55:26.44	+53:22:28.6	15.07	3.51:	2.68	1.95	0.91	0.34	0.80	f7 IV
246	3:55:26.75	+54:11:25.9	16.21			3.11	1.19	0.73	1.17	k5.5 V
247	3:55:26.93	+53:29:16.3	14.98	3.82	2.87	2.14	0.99	0.36	0.88	f8 IV
248	3:55:26.95	+53:11:02.0	16.69			2.26	0.96	0.49	0.87	k0 V
249	3:55:27.44	+53:44:36.6	12.87	3.24	2.64	1.85	0.82	0.31	0.76	g4 V
250	3:55:27.51	+54:10:58.8	12.55	3.17	2.51	1.78	0.82	0.31	0.71	f8 IV
251	3:55:28.08	+53:16:10.9	15.37	3.37:	2.60	1.93	0.90	0.38	0.77	f7 V
252	3:55:28.10	+53:58:44.6	16.16			2.68	1.07	0.43	1.04	k
253	3:55:28.73	+53:24:30.1	12.40	3.15	2.40	1.65	0.79	0.28	0.71	f3 IV
254	3:55:28.75	+53:47:15.9	16.36			2.67	1.05	0.58	1.04	k3.7 V
255	3:55:28.88	+53:55:47.1	14.37	4.65	3.81	2.71	1.14	0.49	1.03	k0.5 IV
256	3:55:28.95	+54:00:06.6	15.91			2.92	1.12	0.66	1.08	k5 V
257	3:55:29.26	+53:26:32.3	13.65		4.79	3.31	1.32	0.58	1.20	k3 III
258	3:55:30.82	+53:25:04.8	15.26	3.35	2.54	1.83	0.85	0.30	0.76	f8 IV
259	3:55:31.46	+53:57:23.4	14.28	3.56	2.63	1.73	0.81	0.30	0.67	f0 III
260	3:55:31.70	+53:05:14.3	15.28			2.58	0.95	0.57	0.99	k4 V
261	3:55:32.91	+53:10:17.1	12.25	3.09	2.57	1.76	0.75	0.31	0.73	g5.5 V
262	3:55:33.02	+54:15:22.7	16.38			2.51	1.04	0.48	0.96	k1.7 V
263	3:55:33.82	+53:26:53.1	13.53	3.70	2.89	2.08	0.94	0.37	0.85	g4 IV-V
264	3:55:33.95	+53:14:19.1	15.91			2.41	1.00	0.46	0.94	k1.5 V
265	3:55:34.17	+53:56:49.3	16.69			2.54	1.12	0.49	1.04	k2 V
266	3:55:34.18	+53:59:01.5	16.56			2.29	0.96	0.42	0.97	k1.2 V
267	3:55:34.95	+53:19:10.6	13.55	4.05	3.45	2.33	0.90	0.46	0.89	k3 V:
268	3:55:35.68	+53:47:37.0	14.47	3.58	2.70	1.93	0.92	0.33	0.81	f7 IV:
269	3:55:35.69	+53:18:23.3	12.96	3.15	2.28	1.33	0.63	0.23	0.52	a3 IV
270	3:55:35.80	+54:02:15.9	12.78	3.33	2.59	1.85	0.85	0.32	0.76	f6 IV
271	3:55:35.85	+54:10:35.1	16.72			2.48	1.06	0.47	0.96	k0 IV
272	3:55:36.15	+53:43:57.0	16.77			2.65:	1.17	0.50	1.03	k0 V
273	3:55:36.47	+53:10:11.1	16.13			2.50	0.99	0.55	0.95	k4.2 V
274	3:55:37.42	+54:00:29.5	13.98	3.28	2.38	1.59	0.77	0.28	0.65	a6 IV:
275	3:55:38.35	+53:41:38.1	12.23	3.33	2.44	1.48	0.72	0.26	0.61	a6 IV
276	3:55:38.48	+54:13:05.7	16.23			3.23:	1.28	0.79	1.31	k5.5 V
277	3:55:38.69	+53:15:39.7	14.16	3.64	2.74	2.19	1.21	0.43	1.01	b
278	3:55:38.72	+53:46:41.0	15.60			2.38	1.04	0.46	0.94	k0 V
279*	3:55:39.56	+53:52:40.6	9.47	2.26	1.88	1.22	0.54	0.24	0.50	f7 V:
280	3:55:39.86	+53:13:29.1	13.67	2.97	2.29	1.63	0.74	0.28	0.69	f4 V
281	3:55:41.94	+54:01:08.4	16.33			2.83	1.24	0.53	1.20	k **
282	3:55:42.52	+54:06:23.7	13.97	3.29	2.41	1.65	0.80	0.30	0.69	a5 III
283	3:55:43.02	+53:33:00.5	15.56			3.11	1.32	0.53	1.21	k1.2 III
284	3:55:43.63	+53:43:51.8	12.63		3.05	2.18	0.67	0.35	0.93	k5 V:
285	3:55:45.60	+53:36:09.7	15.71			3.58	1.65	0.60	1.49	k0 III
286	3:55:45.88	+54:10:54.8	15.39			3.61	1.59	0.67	1.34	k1.2 III
287	3:55:46.26	+53:40:43.5	15.61			2.91	1.26	0.50	1.11	k0.5 III
288	3:55:47.77	+53:09:38.1	12.11	2.93	2.40	1.66	0.73	0.27	0.69	g1.5 V
289	3:55:48.28	+53:27:14.6	15.19	3.44:	2.64	1.96	0.89	0.33	0.81	f9 IV
290	3:55:48.52	+53:42:19.2	13.23	3.53	2.70	1.92	0.89	0.32	0.80	f6 III
291	3:55:48.58	+53:31:43.3	14.99	3.79	2.87	2.08	0.98	0.36	0.88	f6 III
292	3:55:48.87	+53:30:14.8	15.30			2.94	1.22	0.57	0.87	k2.7 V:
293	3:55:49.13	+53:16:14.5	13.69	3.15	2.31	1.35	0.64	0.23	0.50	a5 IV
294	3:55:49.25	+53:13:24.5	12.82	3.03	2.18	1.26	0.58	0.21	0.50	a7 III-V
295	3:55:49.95	+53:25:26.1	14.46	3.60	2.91	2.09	0.91	0.37	0.83	g3 IV
296	3:55:50.50	+53:04:41.4	16.30			2.37	0.94	0.46	0.95	k2 V

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
297	3:55:50.69	+54:09:40.7	14.75	3.62:	2.76	1.99	0.95	0.37:	0.85	f **
298	3:55:51.20	+53:45:21.8	15.79			2.77	1.09	0.54	1.03	k2.7 V
299	3:55:51.34	+53:55:51.5	13.74	4.17	2.99	1.93	0.95	0.33	0.79	a2 III
300	3:55:51.98	+53:05:00.8	15.11	3.55	2.64	1.96	0.91	0.34	0.85	f7 IV
301	3:55:52.38	+53:06:43.6	14.57	3.20	2.39	1.73	0.81	0.32	0.72	f4 IV
302	3:55:52.51	+53:37:35.7	16.69			2.74	1.13	0.53:	1.11	k2.5 V
303	3:55:52.56	+53:37:51.2	13.87	3.67	2.75	2.00	0.95	0.35	0.82	f7 III
304	3:55:52.62	+53:29:18.8	14.58	4.26	3.36	2.45	1.10	0.41	1.01	g1.5 III
305	3:55:52.69	+53:38:05.8	14.30	4.41:	3.57	2.60	1.13	0.43	1.06	g5 III
306	3:55:53.09	+53:43:00.7	14.78	3.60:	2.76	2.02	0.95	0.35	0.82	f6 IV
307	3:55:53.15	+53:27:05.8	13.93	3.66	2.74	1.92	0.90	0.33	0.79	f5 III
308	3:55:53.46	+53:40:54.8	15.07	3.51:	2.79	2.10	0.95	0.37	0.87	g1 V
309	3:55:53.79	+53:18:04.9	14.09	3.24	2.43	1.70	0.80	0.30	0.74	f3 IV
310	3:55:54.90	+53:04:46.8	16.77			2.71:	1.03	0.54	1.00:	k **
311	3:55:55.16	+53:48:20.9	14.30	3.33	2.59	1.89	0.88	0.32	0.79	f8 IV
312	3:55:55.27	+54:06:59.6	14.23	3.49	2.64	1.88	0.90	0.34	0.79	f3 IV
313	3:55:55.48	+54:13:01.5	14.66	3.44	2.69	1.98	0.93	0.35	0.80	f7 V
314	3:55:55.66	+54:06:36.5	15.85			2.39	0.98	0.44	0.93	k **
315	3:55:55.81	+53:14:12.4	15.71			3.50	1.51	0.58	1.43	k2 III
316	3:55:55.88	+54:13:34.5	14.14		4.12	2.97	1.28	0.51	1.12	k0 III
317	3:55:57.53	+53:14:00.4	14.73	4.13	2.94	2.10	1.00	0.34	0.96	f3 III
318	3:55:57.58	+54:07:18.5	16.43			2.35	1.01	0.44	0.91	k0.7 V
319	3:55:59.82	+53:13:33.2	15.76			3.48	1.57	0.61	1.41	k **
320	3:56:00.94	+54:04:30.6	13.38	3.06	2.34	1.62	0.77	0.29	0.68	f4 IV
321	3:56:01.14	+54:08:39.2	15.01	3.38	2.61	1.84	0.87	0.30	0.77	f4 IV
322	3:56:01.18	+53:48:26.9	15.59			2.51	1.05	0.46	0.94	k **
323	3:56:01.42	+53:23:07.5	13.94	3.23	2.42	1.57	0.71	0.28	0.60	a9 IV
324	3:56:01.73	+53:06:07.8	13.44	3.20	2.45	1.74	0.81	0.31	0.75	f4 IV
325	3:56:05.77	+53:19:50.7	15.62	3.22	2.51	1.91	0.88	0.32	0.76	g0 V
326	3:56:05.96	+53:04:43.7	15.35			4.05:	1.86	0.71	1.67	k1.5 III
327	3:56:06.21	+54:15:29.0	13.95	3.40	2.49	1.65	0.79	0.29	0.65	f2 III
328	3:56:06.64	+54:01:44.7	15.07	3.28	2.52	1.89	0.87	0.33	0.79	f8 V
329	3:56:06.68	+53:16:17.3	14.57	3.45	2.40	1.60	0.84	0.31	0.67	b9 III
330	3:56:07.19	+53:26:07.1	13.36	3.44	2.61	1.86	0.88	0.32	0.79	f4 III
331	3:56:07.45	+53:21:21.5	12.11	2.90	2.28	1.57	0.71	0.26	0.67	f8 IV
332	3:56:08.14	+53:10:10.1	9.13	6.08	5.25	3.71	1.40	0.66	1.26	k8 III
333	3:56:08.45	+53:17:30.1	14.32	3.21	2.34	1.57	0.77	0.31	0.59	a3 III
334	3:56:08.55	+53:04:15.7	12.80	2.98	2.14	1.19	0.55	0.20	0.44	a3 V
335	3:56:08.74	+53:26:16.4	14.81	3.87	3.08	2.22	0.99	0.39	0.94	g1.5 III
336	3:56:09.17	+53:29:45.8	14.32	3.69	2.96	2.17	0.95	0.38	0.90	g **
337	3:56:11.11	+54:05:29.0	13.32	3.96	3.46	2.37	0.84	0.52	0.88	k3.7 V:
338	3:56:11.29	+53:11:47.3	14.75	3.10	2.37	1.90	1.03	0.39	0.84	b8 V:
339	3:56:11.87	+53:56:37.2	16.50			2.70	1.13	0.44	1.06	k0 III
340	3:56:12.02	+53:38:18.0	16.63			2.43	1.00	0.35	0.96	k
341	3:56:12.06	+53:45:22.1	14.84			3.12	1.13	0.67	0.95	k7 V
342	3:56:12.61	+53:13:53.1	15.57	3.16	2.50	1.82	0.83	0.31	0.72	f9 V
343	3:56:13.31	+53:18:43.3	14.12	3.10	2.27	1.54	0.71	0.26	0.66	f1 IV
344	3:56:14.67	+53:09:14.0	14.13	3.15	2.29	1.47	0.68	0.26	0.60	f2 III
345	3:56:14.71	+53:26:35.8	13.77	3.53	2.65	1.87	0.87	0.33	0.78	f6 III
346	3:56:15.48	+53:55:27.4	14.50	4.06:	3.11	2.28	1.04	0.37	0.95	f9 IV
347	3:56:16.34	+53:16:30.5	12.45	3.23	2.36	1.47	0.70	0.27	0.61	a **
348	3:56:18.15	+54:13:55.7	13.93	3.58	2.85	2.06	0.95	0.36	0.83	f9 IV
349	3:56:18.43	+53:28:00.7	14.15	3.74	2.98	2.15	0.97	0.36	0.90	g2.5 III
350	3:56:18.50	+53:59:08.1	14.69	3.45	2.59	1.89	0.89	0.33	0.80	f7 IV
351	3:56:18.82	+53:07:00.6	13.90	3.39	2.56	1.83	0.85	0.33	0.79	f4 III
352	3:56:20.04	+53:16:03.4	15.60			2.48	0.98	0.54	0.96	k3.5 V
353	3:56:20.19	+53:30:16.0	16.00			2.82	1.19	0.48	1.13	k0.5 IV
354	3:56:20.33	+54:13:15.3	15.18			3.38	1.53	0.61	1.34	k0.5 IV
355	3:56:20.66	+54:03:59.7	15.60			2.95	1.20	0.64	1.25	k4 V
356	3:56:21.68	+53:11:26.5	12.38	2.82	2.23	1.57	0.71	0.27	0.68	f6 V
357	3:56:22.76	+53:15:35.4	15.11	3.12	2.34	1.67	0.79	0.30	0.71	f4 IV
358	3:56:22.95	+53:42:47.0	16.46			2.85	1.07	0.56	1.02	k1 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
359	3:56:23.14	+53:47:56.6	16.00			3.03	1.11	0.65	0.95	k7 V
360	3:56:24.83	+53:45:21.8	14.07		3.02	2.15	0.88	0.39	0.84	k0 V
361	3:56:25.20	+53:47:36.7	14.83	3.47	2.69	1.98	0.89	0.32	0.80	f8 IV
362	3:56:25.28	+53:35:55.3	11.73	7.21:	6.00	4.34	1.84	0.71	1.64	k
363	3:56:26.15	+53:23:09.5	12.76	3.71	2.65	1.61	0.80	0.30	0.63	a2 III
364	3:56:26.21	+54:15:33.6	11.72	3.51	2.47	1.43	0.72	0.26	0.60	a1.5 III
365	3:56:28.04	+53:33:06.3	14.24	3.79	2.92	2.19	1.01	0.37	0.92	g **
366	3:56:28.12	+53:38:29.5	16.52			2.45	1.11	0.39	0.99	g
367	3:56:28.40	+53:41:08.1	12.78	3.39	2.46	1.53	0.72	0.27	0.63	a8 III
368	3:56:30.81	+53:34:22.9	14.86	3.98	2.84	1.88	0.88	0.31	0.77	f
369	3:56:34.26	+53:33:45.6	14.62	3.87:	3.03	2.25	1.03	0.40	0.97	g1 IV
370	3:56:34.90	+53:57:38.7	14.59	3.87:	2.92	2.13	1.01	0.37	0.90	f4 III
371	3:56:35.54	+53:30:34.6	15.38			2.57	1.08	0.47	1.03	k1.2 V
372	3:56:35.56	+53:08:33.9	15.73			3.57:	1.62	0.63	1.49	k0.5 III
373	3:56:36.24	+54:10:26.9	14.01	3.55	2.64	1.89	0.91	0.33	0.79	f3 IV
374	3:56:36.50	+53:09:30.1	15.11	3.55	2.78	1.99	0.91	0.35	0.83	g1.5 III
375	3:56:36.80	+54:00:56.9	12.40	3.35	2.51	1.55	0.71	0.25	0.61	a8 IV
376	3:56:37.55	+54:00:41.3	16.07			2.45	1.07	0.37	1.03	g5
377	3:56:38.97	+53:23:20.3	13.98	3.31	2.38	1.55	0.72	0.27	0.61	f0 III
378	3:56:39.98	+53:23:54.0	12.24	2.68	1.95	1.16	0.59	0.21	0.49	b8 III
379	3:56:40.87	+54:07:14.2	15.58			2.86	1.24	0.50	1.12	k0 IV
380	3:56:40.97	+54:07:50.3	16.22			2.48	1.08	0.47	0.94	k0.5 V
381	3:56:41.47	+53:20:27.3	14.85			4.24	1.79	0.75	1.56	k4.2 III
382	3:56:41.52	+53:46:47.9	16.11			2.51	1.04	0.45	1.00	k0.5 V
383	3:56:41.96	+53:22:11.4	14.46			4.67	1.95	0.84	1.76	k-m
384	3:56:42.71	+53:15:06.4	14.55	3.11	2.29	1.56	0.73	0.28	0.65	f2 IV
385	3:56:43.65	+54:05:23.4	15.15	3.69	2.71	1.98	0.92	0.36	0.80	f5 III
386	3:56:43.74	+53:21:22.3	14.93	3.36:	2.41	1.60	0.81	0.35	0.73	a2 V
387	3:56:43.90	+53:22:41.9	12.36	3.36	2.48	1.59	0.76	0.25	0.74	a9 III
388	3:56:44.26	+53:45:35.5	13.44	3.40	2.54	1.71	0.82	0.30	0.69	f2 IV
389	3:56:44.91	+54:15:48.3	14.90			4.06:	1.81	0.74	1.53	k2 III
390	3:56:45.00	+54:15:19.4	13.10	3.28	2.47	1.74	0.84	0.29	0.74	f4 III
391*	3:56:47.41	+53:33:36.8	10.92	4.46	3.77	2.73	1.09	0.60	1.23	m-k
392	3:56:48.15	+53:10:17.4	15.08	3.40	2.65	1.93	0.87	0.33	0.80	g1.5 III
393	3:56:48.35	+53:42:03.2	15.14	3.58	2.70	2.02	0.94	0.34	0.85	f **
394	3:56:49.29	+53:59:18.3	14.54	4.22	3.28	2.43	1.10	0.40	1.00	g1.5 III
395	3:56:49.95	+53:19:51.4	13.51	3.21	2.43	1.71	0.81	0.30	0.72	f4 IV
396	3:56:50.40	+53:18:45.0	14.18	4.24:	3.39	2.45	1.10	0.43	1.00	g6 **
397	3:56:50.45	+53:54:31.9	12.91	3.55	2.50	1.55	0.78	0.27	0.66	a0 III
398	3:56:50.65	+53:25:48.1	14.40	3.78	2.95	2.13	0.96	0.35	0.88	g1.5 III
399	3:56:50.68	+53:16:48.5	15.21			2.66	1.05	0.56	1.02	k3.5 V
400	3:56:50.76	+54:13:34.1	16.31			3.05:	1.19	0.67	1.18	k5 V
401	3:56:51.12	+53:07:35.9	14.84	3.38	2.67	1.96	0.89	0.36	0.86	g **
402	3:56:51.25	+53:21:08.3	16.45			2.60	1.14	0.52	1.08	k1 V
403	3:56:52.35	+53:23:54.7	11.66	3.01	2.17	1.23	0.61	0.22	0.49	a0 IV
404*	3:56:52.79	+53:16:40.8	13.89	2.55	1.88	1.79	0.53	-0.11	0.84	a
405	3:56:54.05	+53:46:00.3	12.56	3.66	2.93	2.06	0.93	0.34	0.85	g2.5 III
406	3:56:54.40	+54:04:09.6	14.28	4.28:	2.90	1.93	1.03	0.38	0.83	a0 IV-V
407	3:56:55.30	+53:22:09.1	14.12	3.47	2.61	2.12	1.16	0.42	0.95	b6 IV-V:
408	3:56:56.25	+53:10:41.8	14.06	3.42	2.72	1.96	0.87	0.34	0.82	g1 IV
409	3:56:57.56	+53:16:18.4	14.62			3.19	1.32	0.57	1.21	k1.5 III
410	3:56:57.70	+53:04:57.0	14.97	3.98	3.32	2.33	0.89	0.45	0.89	k2.7 V:
411	3:56:58.14	+53:26:12.4	16.21			2.85	1.20	0.50	1.11	k0.7 IV
412	3:56:59.45	+54:14:33.1	15.31	3.50	2.70	1.92	0.94	0.34	0.78	f4 IV
413	3:56:59.66	+53:23:51.1	16.05			2.48	1.09	0.50	1.00	k0.5 V
414	3:57:00.56	+53:59:24.5	14.09	3.64	2.78	2.04	0.95	0.35	0.86	f8 IV
415	3:57:00.59	+54:11:10.9	14.31	3.38	2.48	1.81	0.97	0.36	0.78	b6 IV:
416	3:57:00.95	+53:48:18.5	12.85	3.33	2.44	1.43	0.69	0.24	0.54	a3 V
417	3:57:00.96	+53:18:29.8	13.22	3.14	2.42	1.72	0.80	0.29	0.73	f4 V
418	3:57:01.95	+53:23:27.7	12.28	2.80	2.00	1.12	0.57	0.21	0.45	b9 V
419	3:57:02.58	+53:19:24.7	13.42	4.05	2.77	1.92	1.03	0.38	0.88	b7 IV:
420	3:57:03.37	+53:16:34.7	14.45	3.42	2.49	1.79	0.86	0.33	0.79	f5 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
421	3:57:03.53	+53:57:00.5	12.55	5.01	4.15	2.95	1.27	0.48	1.13	g9.5 III
422	3:57:03.53	+53:52:57.5	14.03		4.49:	3.26	1.41	0.55	1.26	k0 III
423	3:57:03.57	+53:18:06.3	15.12	3.72	3.05	2.16	0.95	0.36	0.88	g5 IV
424	3:57:03.87	+53:42:03.5	16.81			2.46:	1.00	0.47	0.95	k2 V
425	3:57:05.35	+53:03:14.2	13.52	2.91	2.21	1.56	0.71	0.28	0.58	f4 IV
426	3:57:05.98	+53:03:55.8	16.66			2.14	0.93	0.44	0.78	g **
427	3:57:06.02	+53:47:34.3	15.06	3.45:	2.68	2.00	0.93	0.34	0.83	f8 V
428	3:57:06.19	+54:13:57.7	12.38	3.31	2.47	1.60	0.76	0.28	0.64	f0 IV
429	3:57:06.45	+53:45:26.3	12.72	3.22	2.57	1.84	0.84	0.31	0.79	f8 V
430	3:57:06.61	+53:25:56.0	12.06	3.93	2.97	2.04	0.94	0.34	0.86	f3 III
431	3:57:06.83	+53:55:35.4	14.53	3.91:	2.87	1.77	0.84	0.29	0.68	a3 III
432	3:57:07.07	+53:39:24.6	16.74			2.62	1.07	0.47	1.04	k0 IV
433	3:57:07.38	+53:45:06.5	14.85	4.03	3.39	2.41	1.01	0.43	0.97	g9.5 III
434	3:57:07.67	+53:51:51.3	14.12	3.90	3.12	2.26	1.00	0.37	0.92	g3 III
435	3:57:08.07	+53:40:13.4	15.01	3.75	2.98	2.15	0.95	0.36	0.87	g2 III
436	3:57:08.44	+54:03:52.7	13.93		4.40	3.16	1.37	0.53	1.22	k0 III
437	3:57:09.22	+54:03:25.7	14.91	3.72:	2.93	2.14	0.98	0.38	0.86	f9.5 IV
438	3:57:10.15	+53:14:09.1	15.44		3.28:	2.31	0.96	0.43	0.92	k1 V
439	3:57:10.80	+53:20:08.4	15.09	3.74	2.90	1.98	0.90	0.34	0.83	f6 III
440	3:57:11.21	+53:06:56.1	15.21	3.16:	2.35	1.69	0.82	0.31	0.75	a7 III
441	3:57:12.71	+53:27:13.3	13.43	3.87	2.80	1.70	0.81	0.26	0.66	f0 IV
442	3:57:12.86	+53:06:23.3	13.83	4.35	3.78	2.60	0.92	0.57	0.97	k5 V:
443	3:57:14.56	+53:14:54.7	14.92	3.85	2.97	2.14	0.94	0.40	0.85	g2 III
444	3:57:14.68	+53:11:22.4	15.30	3.42	2.57	2.03	1.03	0.37	0.91	a
445	3:57:15.85	+53:59:16.7	15.94			3.15	1.17	0.67	1.21:	k **
446	3:57:16.85	+53:26:32.2	16.21			2.97	1.33	0.60	1.28	k2 V
447	3:57:17.87	+53:14:23.5	14.90	3.59	2.59	1.79	0.94	0.35	0.76	b8 III
448	3:57:18.32	+53:23:24.5	13.54	3.91	2.75	1.69	0.85	0.31	0.69	a2 III
449	3:57:19.50	+54:13:21.1	14.73	3.74:	2.98	2.21	0.99	0.37	0.90	g1.5 IV
450	3:57:20.17	+54:10:12.8	14.85	3.31	2.49	1.98	1.08	0.41	0.88	b8 V:
451	3:57:21.37	+53:33:57.8	12.66	5.48	4.59	3.21	1.33	0.53	1.19	k2 III
452	3:57:21.89	+53:24:53.4	14.43			3.53	1.48	0.59	1.34	k3 III
453	3:57:22.30	+53:41:58.3	13.70	3.39	2.41	1.63	0.85	0.31	0.72	b8.5 III
454	3:57:22.30	+53:11:21.2	14.52	3.69	2.58	1.76	0.91	0.37	0.78	b9 III
455	3:57:22.45	+54:05:55.7	14.91	3.64:	2.63	1.93	0.93	0.34	0.79	f6 IV
456	3:57:22.69	+54:02:30.5	15.63			2.36	0.99	0.43	0.91	k0 IV
457	3:57:24.90	+54:10:03.4	11.70	3.39	2.49	1.49	0.69	0.25	0.57	a6 III
458	3:57:25.11	+53:27:55.1	16.23			2.40	1.00	0.44	0.97	k0.7 V
459	3:57:25.47	+53:23:24.0	14.55	3.79	2.93	2.11	0.97	0.36	0.86	f7 III
460	3:57:25.99	+53:19:02.3	16.56			2.65	1.02	0.53	1.01	k3.2 V
461	3:57:27.11	+53:20:52.8	14.16	3.33	2.53	1.79	0.85	0.32	0.74	f3 III
462	3:57:27.81	+53:04:47.5	14.95	3.29:	2.43	1.78	0.81	0.31	0.70	f7 III
463	3:57:27.94	+53:36:00.7	16.67			2.43	1.04	0.34	0.99	g-k
464	3:57:28.81	+54:09:23.3	13.48	3.66	2.69	1.79	0.84	0.31	0.72	f1 III
465	3:57:29.48	+53:55:06.2	12.82	4.66	3.89	2.77	1.21	0.46	1.06	g8.5 III
466	3:57:29.86	+53:37:24.7	13.55	3.19	2.44	1.72	0.80	0.29	0.72	f3 III
467	3:57:31.49	+53:42:04.7	12.98	3.58	2.83	2.04	0.94	0.35	0.86	f7 III
468	3:57:31.63	+53:32:43.3	13.90	3.97	3.16	2.29	1.03	0.39	0.95	g3 III
469	3:57:32.51	+53:28:52.6	14.95	3.74	2.95	2.14	0.99	0.39	0.88	f9 IV
470	3:57:32.61	+53:43:01.1	16.25			2.95	1.22	0.47	1.25	k-m
471	3:57:32.97	+53:20:51.1	16.44			2.29	0.95	0.43	0.90	k1 V
472	3:57:33.11	+53:19:09.0	15.19	3.46	2.60	1.88	0.86	0.32	0.78	f7 IV
473	3:57:33.62	+53:48:37.6	11.62	3.09	2.29	1.27	0.60	0.22	0.48	a3 V
474	3:57:33.97	+53:04:15.6	13.36	3.10	2.45	1.76	0.79	0.29	0.73	f8 V
475	3:57:34.09	+53:14:10.1	16.17			3.12	1.11	0.69	1.08	k7 V
476	3:57:34.19	+53:21:49.9	16.76			2.09	0.96	0.48	0.91	g
477	3:57:34.32	+53:46:55.0	14.59	3.80	2.90	2.02	0.95	0.34	0.82	f5 III
478	3:57:34.39	+53:24:41.2	13.41	3.99	3.42	2.31	0.90	0.45	0.89	k3 V:
479	3:57:34.53	+53:17:03.4	15.68			2.43	1.04	0.48	0.97	k1.5 V
480	3:57:34.93	+53:50:31.6	15.28	3.54	2.87	2.12	0.93	0.38	0.87	g5 IV
481	3:57:34.97	+53:13:02.2	15.75			3.72:	1.65	0.69	1.46	k1.5 III
482	3:57:35.18	+53:13:38.5	16.06			2.46	0.99	0.36	1.02	g-k

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
483	3:57:35.25	+53:41:20.0	14.02	3.95	3.15	2.30	1.03	0.40	0.93	g3 III
484	3:57:35.38	+54:00:46.3	14.09			3.35	1.37	0.60	1.21	k2.7 III
485	3:57:35.43	+53:22:54.0	14.93		3.21	2.27	0.95	0.42	0.89	k0.5 V
486	3:57:35.60	+54:05:44.4	13.74	3.41	2.55	1.71	0.80	0.28	0.71	f **
487	3:57:35.83	+53:45:52.7	15.26	3.59	2.85	2.05	0.92	0.34	0.85	g1 IV
488	3:57:36.04	+53:31:18.3	14.29			3.28	1.40	0.56	1.28	k1.2 III
489	3:57:36.72	+53:03:44.1	14.66	3.34	2.62	1.89	0.86	0.33	0.76	f7 III
490*	3:57:37.00	+53:40:27.0	10.72	2.52	1.87	1.07	0.55	0.20	0.45	b8
491	3:57:37.02	+53:56:54.8	13.63	3.42	2.50	1.52	0.69	0.27	0.56	f5 IV
492	3:57:37.76	+53:59:08.9	14.26	3.38	2.68	1.95	0.88	0.34	0.80	f8 IV
493	3:57:38.29	+54:06:49.6	15.62			3.50	1.57	0.61	1.34	k0 III
494	3:57:38.38	+53:08:20.6	13.20	3.73	3.11	2.15	0.85	0.41	0.85	k1.5 V
495	3:57:39.12	+53:52:13.1	15.17	3.56	2.84	2.08	0.92	0.36	0.85	g2 IV
496	3:57:39.20	+53:29:29.6	16.38			2.39	1.08	0.50	0.95	g **
497	3:57:40.20	+53:31:15.2	14.10	3.70	2.84	2.09	0.98	0.37	0.90	f7 IV
498	3:57:40.30	+54:05:36.6	15.41			3.82	1.64	0.63	1.42	k0.5 III
499	3:57:41.43	+53:11:37.9	16.06			2.35	1.00	0.45	0.97	k **
500	3:57:42.22	+54:01:44.2	13.54		4.75	3.40	1.45	0.58	1.29	k1.5 III
501	3:57:42.26	+53:40:08.6	15.22	3.66	2.68	1.97	0.94	0.34	0.83	f6 IV
502	3:57:42.40	+53:18:53.7	14.43			3.39	1.42	0.60	1.28	k2 III
503	3:57:42.44	+53:22:02.7	15.97			3.47	1.54	0.59	1.41	k0.7 III
504	3:57:43.07	+53:30:20.0	16.32			3.04:	1.32	0.53	1.19	k0.7 IV
505	3:57:44.58	+53:24:59.0	11.73	2.93	2.14	1.17	0.56	0.20	0.45	a2 IV
506	3:57:44.62	+53:47:10.1	16.56			2.51	1.12	0.50	0.93	k1 V
507	3:57:46.09	+53:22:06.3	14.81	3.25	2.48	1.83	0.84	0.33	0.79	f6 V
508	3:57:46.17	+53:11:56.3	14.96			3.24	1.46	0.59	1.28	k0 III
509	3:57:46.53	+53:43:14.1	14.90			2.71	1.10	0.50	1.05	k1 IV
510	3:57:47.37	+53:26:36.6	13.38			4.09	1.66	0.74	1.49	k6 III
511	3:57:47.45	+53:03:05.3	14.31	3.25	2.36	1.68	0.81	0.29	0.61	f1 IV
512	3:57:47.47	+53:40:24.5	12.87	5.63	4.60	3.34	1.45	0.57	1.33	k0.7 III
513	3:57:47.65	+53:21:28.0	14.09	3.23	2.44	1.74	0.80	0.31	0.74	f5 IV
514	3:57:47.92	+53:58:42.5	16.85			2.31:	1.00	0.46	0.89	k0.5 V
515	3:57:47.98	+53:56:35.6	12.31	2.90	2.10	1.14	0.56	0.19	0.42	a1 V
516	3:57:48.11	+53:40:45.2	15.29			2.45	1.03	0.43	0.95	k0 IV
517	3:57:49.28	+54:02:45.0	14.65	4.03	2.87	1.80	0.90	0.32	0.68	a3 III
518	3:57:50.36	+53:17:13.1	14.28	3.07	2.13	1.38	0.74	0.28	0.59	b7 IV
519	3:57:50.48	+54:11:07.1	12.80	3.26	2.46	1.68	0.83	0.30	0.65	a4 III
520	3:57:51.59	+53:18:58.9	15.71			3.62:	1.66	0.66	1.42	k0.5 III
521	3:57:52.97	+53:53:34.9	16.85			2.42:	0.96	0.42	0.90	k0.7 IV
522	3:57:53.49	+53:28:17.1	15.59			3.50	1.57	0.60	1.44	k0.5 III
523	3:57:53.52	+53:11:05.7	14.69	3.35	2.51	1.79	0.83	0.31	0.75	f5 III
524	3:57:54.72	+53:30:31.6	14.45	3.76	2.76	1.87	0.90	0.34	0.76	f2 III
525	3:57:56.60	+53:31:28.9	12.40	3.60	2.66	1.64	0.76	0.27	0.64	f7 IV
526	3:57:57.58	+53:55:17.1	13.65	3.29	2.41	1.47	0.69	0.26	0.58	a **
527	3:57:57.95	+53:45:52.6	12.95	3.70	2.89	2.11	0.96	0.34	0.88	g1.5 IV
528	3:57:58.17	+53:47:18.8	14.49	3.86	3.03	2.19	0.99	0.37	0.88	g2.5 III
529	3:57:58.57	+53:58:05.4	14.84	3.58:	2.61	1.80	0.86	0.34	0.77	f4 III
530	3:57:58.75	+53:16:11.9	16.83			2.61:	1.04	0.55	0.98	k3.2 V
531	3:57:59.38	+54:06:07.8	13.89	3.80	2.63	1.67	0.91	0.31	0.73	b9.5 III
532	3:57:59.54	+53:23:45.5	15.18	3.52	2.76	2.04	0.93	0.39	0.86	f9 IV
533	3:58:00.62	+53:09:15.8	16.35			2.21	0.99	0.47	0.90	k0:
534	3:58:01.16	+53:51:25.1	14.85			2.89	1.20	0.49	1.09	k1 III
535	3:58:02.00	+53:32:45.9	13.07	3.80	2.85	1.79	0.80	0.28	0.70	f
536	3:58:02.21	+54:05:59.3	11.86	2.84	2.27	1.60	0.73	0.27	0.69	f7 V
537	3:58:02.31	+53:42:33.5	11.19	3.45	2.64	1.80	0.84	0.31	0.76	f6 III
538	3:58:02.88	+53:09:11.3	16.69			2.61	1.14	0.49	1.08:	k1 V
539	3:58:02.90	+54:00:42.4	14.31	4.35:	3.65	2.58	1.07	0.45	0.99	k0 IV
540	3:58:02.93	+54:10:16.5	15.93			2.89	1.29	0.52	0.95	k1 IV:
541	3:58:03.32	+53:39:39.8	15.90			3.17	1.32	0.57	1.22	k **
542	3:58:03.60	+54:11:42.4	11.50	3.17	2.38	1.44	0.68	0.24	0.54	a5 IV
543	3:58:04.03	+54:07:59.6	15.46	3.38	2.61	1.89	0.90	0.35	0.79	f4 V
544	3:58:05.34	+54:06:54.5	13.49	3.17	2.56	1.85	0.82	0.33	0.75	g2.5 V

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
545	3:58:05.41	+53:56:03.0	12.86	3.10	2.25	1.27	0.62	0.22	0.52	a0.5 IV
546	3:58:05.69	+53:51:50.3	14.29	3.34	2.41	1.42	0.67	0.25	0.53	a4 IV
547	3:58:06.01	+53:54:56.4	14.78		3.64	2.51	0.94	0.56	0.94	k4 V:
548	3:58:06.64	+53:35:40.2	14.92	3.49:	2.69	1.99	0.90	0.35	0.84	f8 IV
549	3:58:06.66	+53:53:47.8	13.42	3.34	2.65	1.91	0.88	0.32	0.81	f8 IV
550	3:58:06.97	+54:14:27.0	16.32			2.71	1.12	0.55	1.01	k2.7 V
551	3:58:07.06	+53:55:28.3	14.45	3.24	2.45	1.73	0.82	0.31	0.73	f4 IV
552	3:58:07.07	+53:10:53.6	12.98	3.16	2.25	1.28	0.63	0.23	0.50	a0.5 IV
553	3:58:07.19	+54:08:37.8	14.93			2.76	1.18	0.52	1.03	k1 IV
554	3:58:07.59	+53:36:12.9	14.41	4.13:	3.52	2.44	0.92	0.56	0.95	k9 V:
555	3:58:08.09	+54:09:37.5	14.87	3.50:	2.52	1.55	0.77	0.30	0.61	a1.5 III
556	3:58:08.57	+53:58:01.4	13.80	3.96	3.16	2.28	1.03	0.40	0.95	g3 IV
557	3:58:08.61	+53:28:30.1	13.86	3.47	2.50	1.51	0.73	0.25	0.58	a1.5 IV
558	3:58:08.72	+53:47:19.8	16.47			2.59	1.08	0.49	1.00	k1.7 V
559	3:58:09.43	+53:24:03.6	14.61	3.64	2.74	1.96	0.91	0.34	0.82	f6 III
560	3:58:10.76	+53:40:21.1	14.59	3.78:	2.74	1.72	0.84	0.29	0.68	a4 III
561	3:58:10.84	+53:05:10.8	14.61	3.43	2.59	1.90	0.88	0.34	0.73	f6 IV
562	3:58:11.16	+53:20:42.8	14.78	3.68:	2.60	1.77	0.83	0.27	0.75	f3 III-IV
563	3:58:11.87	+53:28:50.6	15.97			2.69	1.09	0.49	1.07	k0.5 IV
564	3:58:12.01	+54:06:19.3	13.43	3.37	2.36	1.49	0.74	0.27	0.66	a4 III
565	3:58:12.07	+53:43:30.2	16.00			2.44	1.02	0.39	0.96	k0 IV
566	3:58:12.49	+53:54:28.1	13.20	3.29	2.33	1.39	0.69	0.24	0.56	a0 III
567	3:58:13.27	+54:04:50.6	16.11			2.91	1.21	0.63	0.93	m1 V
568	3:58:13.63	+54:01:30.5	14.61	4.14	2.94	1.91	0.98	0.36	0.80	a **
569	3:58:13.88	+53:04:16.6	14.68	3.86	2.69	1.82	0.83	0.31	0.72	f
570	3:58:14.99	+53:06:05.6	13.54	3.04	2.17	1.23	0.59	0.21	0.44	a1.5 IV
571	3:58:14.99	+54:12:12.8	15.15	3.52	2.66	1.93	0.92	0.37	0.76	f4 IV
572	3:58:15.39	+54:06:47.7	12.91	3.33	2.46	1.48	0.68	0.25	0.55	a8 III
573	3:58:15.71	+53:18:31.4	15.37			3.42	1.43	0.62	1.34	k2 III
574*	3:58:15.90	+54:09:25.6	10.36	2.37		1.07	0.61	0.22	0.47	b2.5 III:
575	3:58:16.20	+53:31:52.0	14.32	4.08	3.05	2.17	1.02	0.38	0.89	g **
576	3:58:17.12	+53:11:51.8	14.73			3.69	1.61	0.66	1.41	k2 III
577	3:58:17.77	+53:42:01.7	13.39	3.96	2.81	1.74	0.85	0.31	0.72	a3 III
578	3:58:20.04	+53:28:03.0	13.14	3.89	2.81	1.83	0.88	0.33	0.74	a7 III
579	3:58:20.31	+53:52:52.8	14.52	3.31	2.57	1.88	0.85	0.33	0.79	g **
580	3:58:20.52	+53:47:36.6	16.50			2.58	1.02	0.47	0.99	k0.7 IV
581	3:58:21.01	+53:04:02.9	14.19			4.51	1.90	0.84	1.65	k6 III
582	3:58:21.42	+54:14:17.3	14.14			4.02	1.83	0.75	1.51	k1.5 III
583	3:58:21.47	+53:56:28.8	11.02	2.92	2.37	1.62	0.73	0.28	0.67	f9 IV
584	3:58:21.60	+53:53:57.8	14.26	3.51	2.61	1.74	0.82	0.31	0.67	f **
585	3:58:22.13	+53:10:22.3	14.46	3.26	2.47	1.77	0.82	0.33	0.74	f3 IV
586	3:58:22.39	+53:33:56.4	14.49	3.93:	3.04	2.18	1.01	0.38	0.90	g2 IV
587	3:58:22.57	+53:38:42.2	14.13	3.40	2.60	1.86	0.88	0.32	0.78	f5 IV-V
588	3:58:22.65	+53:43:46.4	13.13	3.68	2.75	1.88	0.88	0.31	0.79	f3 III
589	3:58:25.05	+53:34:16.0	16.83			2.54	1.05	0.51	1.04	k2.5 V
590	3:58:25.13	+53:21:45.2	14.30	3.61	2.69	1.90	0.89	0.33	0.78	f3 III
591	3:58:25.18	+53:37:11.6	15.88			2.55	1.07	0.49	1.03	k1.7 V
592	3:58:25.78	+53:31:39.7	13.89			3.82	1.63	0.66	1.48	k3 III: **
593	3:58:25.80	+53:55:07.1	14.29	3.27	2.39	1.63	0.75	0.28	0.65	f4 III
594	3:58:26.16	+53:19:52.7	13.97			4.31	1.79	0.80	1.63	k5 III: **
595	3:58:26.24	+53:42:20.4	14.14	3.99	2.87	1.88	0.86	0.32	0.74	f
596	3:58:26.72	+54:06:19.9	13.99	4.70	3.89	2.84	1.17	0.60	1.23	k3
597	3:58:27.52	+53:56:00.4	14.28	3.27	2.43	1.63	0.78	0.29	0.67	f2 IV
598	3:58:28.26	+53:48:52.0	15.85			2.56	1.07	0.51	0.96	k1.7 V
599	3:58:28.87	+53:39:56.9	16.05			2.86	1.10	0.56	1.09	k3 V
600	3:58:28.88	+53:20:52.3	13.88	3.92	2.73	1.74	0.88	0.32	0.71	a **
601	3:58:29.39	+53:56:57.4	14.91	3.59	2.67	1.94	0.94	0.36	0.81	f6 IV
602	3:58:29.49	+54:07:34.3	14.79	3.65	2.62	1.68	0.81	0.30	0.64	a4 III-IV
603	3:58:29.64	+53:37:07.7	14.54	3.49	2.69	1.98	0.90	0.35	0.82	f8 IV
604	3:58:29.70	+53:40:36.9	14.50			3.37	1.41	0.59	1.30	k1.7 III
605	3:58:31.74	+53:22:29.0	16.87			2.28	1.02	0.52	0.98	g7 V
606	3:58:31.93	+53:21:06.9	11.86	4.93	4.14	2.88	1.20	0.48	1.09	k0.7 III

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
607	3:58:32.03	+53:28:24.5	11.21	2.67	1.99	1.37	0.74	0.27	0.62	b5 IV:
608	3:58:32.23	+53:14:46.9	14.93		3.47:	2.45	1.05	0.46	0.96	k0 IV
609	3:58:34.50	+53:50:50.2	11.65	2.89	2.09	1.13	0.56	0.20	0.44	a0 IV
610	3:58:35.37	+54:15:20.0	16.44			2.52:	1.21:	0.61:	1.01	g1 V
611	3:58:35.46	+53:37:25.8	16.60			2.76:	1.15	0.53	1.12	k2.2 V
612	3:58:35.70	+53:24:13.6	16.22			2.43	1.01	0.45	1.00	k1.5 V
613	3:58:35.73	+53:06:26.7	13.64	4.87	3.91	2.81	1.21	0.46	1.07	g7 III
614	3:58:35.95	+53:21:19.9	16.50			2.37	0.96	0.44	1.00	k1.7 V
615	3:58:36.06	+54:07:14.1	15.35			2.55	1.08	0.46	1.00	k0 IV
616	3:58:37.01	+54:11:53.0	14.48	3.92	3.18	2.25	1.07	0.42	0.88	g0 IV
617	3:58:37.60	+53:03:57.3	12.09	2.46	1.78	1.09	0.57	0.21	0.44	b7 IV
618	3:58:38.11	+53:50:37.3	14.04	4.79	3.91	2.87	1.28	0.49	1.16	g5 III
619	3:58:38.83	+53:04:26.5	12.53	3.29	2.76	1.87	0.77	0.33	0.62	g8 III
620	3:58:40.06	+53:34:46.5	15.06	3.87	2.86	1.92	0.91	0.35	0.78	a8 IV
621	3:58:40.18	+53:58:30.1	14.88	3.90	2.79	1.44	0.87:	0.35:	0.83	be:
622	3:58:40.31	+53:37:46.5	14.34	3.76	2.82	2.33	1.27	0.43	1.04	b9 III-IV:
623	3:58:41.12	+54:09:08.6	14.68	3.73:	2.74	1.88	0.90	0.34	0.76	f1 III
624	3:58:41.36	+53:03:19.4	11.77	2.84	2.19	1.54	0.71	0.26		f5 V
625	3:58:42.06	+53:25:27.4	14.33	3.30	2.45	1.94	1.09	0.39	0.88	b1 V:
626	3:58:42.30	+53:39:21.9	14.17	4.32:	3.72	2.53	0.98	0.48	0.96	k1 IV:
627	3:58:43.22	+54:01:50.3	14.91	3.44:	2.61	1.91	0.89	0.36	0.79	f5 IV
628	3:58:44.26	+54:07:05.5	14.33	3.83	3.06	2.24	1.00	0.39	0.92	g **
629	3:58:44.74	+53:03:19.9	14.88	3.28	2.35	1.92	1.07	0.42		b3
630	3:58:45.36	+54:03:49.1	16.46			2.79	1.27	0.58	1.10	k0 V:
631	3:58:45.40	+53:37:52.7	13.76	3.36	2.48	1.70	0.81	0.29	0.73	f1 IV
632	3:58:46.74	+53:27:54.5	12.40	3.51	2.58	1.57	0.73	0.26	0.62	a7 III
633	3:58:48.30	+53:59:37.5	14.82	3.51	2.69	1.84	0.92	0.34	0.81	f1 V
634	3:58:48.59	+53:58:06.5	14.22	4.33	3.64	2.52	1.06	0.43	0.97	k0 III
635	3:58:49.48	+53:27:09.0	13.25	3.77	2.73	1.73	0.80	0.30	0.67	a-f
636	3:58:50.03	+53:04:39.2	11.76	2.79	1.99	1.06	0.51	0.18	0.38	a0.5 V
637	3:58:50.10	+53:37:59.5	13.57			3.61	1.50	0.61	1.35	k3 III
638	3:58:50.64	+53:51:22.0	12.31	3.88	3.20	2.30	1.01	0.40	0.94	g6 IV
639	3:58:51.22	+53:31:18.3	13.42	3.71	2.64	1.60	0.77	0.27	0.61	a3 III
640	3:58:51.23	+54:06:29.4	14.53	4.29	3.06	2.02	0.96	0.35	0.80	f1 IV
641	3:58:51.34	+53:23:15.4	14.95			3.56	1.46	0.67	0.88	k2.5 III:
642	3:58:51.49	+53:33:13.0	16.22			2.82	1.19	0.48	1.12	k0.5 IV
643	3:58:52.33	+53:13:49.8	10.31	5.26	4.46	3.10	1.27	0.50	1.16	k1.7 III
644	3:58:52.68	+53:48:28.1	11.86	3.31	2.40	1.38	0.66	0.24	0.55	a3 IV
645	3:58:54.34	+53:25:56.3	13.41	3.73	2.81	2.23	1.22	0.44	0.98	b9 IV-V:
646	3:58:55.15	+54:02:57.5	13.23	5.23:	4.37	3.01	1.23	0.52	1.09	k1.5 III
647	3:58:55.36	+54:15:34.0	11.89	3.61	2.71	1.70	0.80	0.28		a8 IV:
648	3:58:57.26	+53:40:39.7	15.04			3.01	1.10	0.69	1.12	k7 V
649	3:58:57.37	+53:28:22.5	14.44	4.53	3.55	2.62	1.20	0.47	1.11	g1.5 III
650	3:58:57.97	+54:13:20.1	13.73	3.85	2.99	2.20	1.11:	0.41		f5 V:
651	3:58:58.65	+53:49:01.2	10.99	4.34	3.63	2.54	1.09	0.42	0.99	g8 III
652	3:58:59.33	+53:54:10.1	13.72	3.91	3.21	2.30	1.00	0.40	0.92	g6 III
653	3:59:01.13	+53:47:26.8	14.62	3.34	2.52	1.82	0.85	0.32	0.75	f6 IV
654	3:59:03.60	+53:39:06.8	16.26			2.60	1.06	0.53	1.03	k **
655	3:59:03.87	+53:26:03.3	13.38	3.41	2.47	1.48	0.68	0.24	0.55	a5 III
656	3:59:04.11	+53:10:39.2	12.25	3.39	2.49	1.47	0.68	0.24	0.57	a6 III
657	3:59:04.46	+53:19:18.4	14.44	3.54	2.59	1.67	0.78	0.28	0.66	f0 III
658	3:59:04.68	+54:07:53.8	13.76	4.22	3.65	2.51	0.96	0.53	0.88	k **
659	3:59:04.96	+53:11:19.4	14.28	3.24	2.36	1.71	0.90	0.31	0.73	b5 V:
660	3:59:05.02	+53:56:49.3	15.49			2.91	1.24	0.50	1.16	k0 IV
661	3:59:05.66	+53:16:33.1	14.03	3.59	2.58	1.74	0.81	0.30	0.70	f2 III
662	3:59:05.90	+54:05:19.6	14.74	4.11	2.89	2.02	0.97	0.36	0.83	f8 IV
663	3:59:05.97	+53:36:16.3	13.60	3.32	2.55	1.81	0.85	0.33	0.75	f **
664	3:59:06.09	+53:43:55.6	14.50	3.68	2.70	1.66	0.78	0.26	0.64	a7 III
665	3:59:06.95	+53:26:25.7	14.36			3.42	1.46	0.58	1.30	k1.5 III
666	3:59:07.01	+54:03:33.8	14.37	3.50	2.54	1.55	0.76	0.25:	0.61	a2 IV
667	3:59:07.28	+53:54:22.4	14.53	4.18	3.00	1.93	0.96	0.35	0.81	a5 III
668	3:59:07.38	+53:57:23.9	16.96			2.31	0.99	0.42	0.91	k0 V

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
669	3:59:07.51	+53:38:35.7	14.61	3.46	2.76	2.00	0.89	0.35	0.83	g1 IV
670	3:59:07.53	+54:09:40.4	14.42	3.85	3.22	2.26	0.94	0.41	0.81	g9 IV
671	3:59:08.15	+54:00:13.7	14.64	3.40	2.50	1.58	0.73	0.28	0.58	a9 III
672	3:59:09.09	+54:12:56.9	16.22			2.91	1.27	0.67	0.95	k2 V:
673	3:59:09.27	+53:05:15.7	15.84			2.30	0.96	0.43	0.84	k0 IV
674	3:59:09.77	+53:52:01.7	15.20		3.15	2.22	0.93	0.42	0.87	k0 V
675	3:59:09.86	+53:58:46.2	14.94	3.56:	2.77	2.01	0.90	0.36	0.84	g1.5 III
676	3:59:10.39	+54:09:35.9	14.20	3.45	2.61	1.86	0.95	0.33	0.71	a3 IV:
677	3:59:11.65	+53:12:51.2	14.33	3.31	2.50	1.81	0.85	0.32	0.75	f4 IV
678	3:59:12.23	+53:59:00.5	11.44	3.30	2.55	2.06	1.19	0.43	0.98	b **
679	3:59:12.34	+53:54:59.8	16.27			2.58	1.01	0.50	0.96	k2.5 V
680	3:59:15.47	+53:57:47.2	15.11	3.36:	2.40	1.44	0.74	0.27:	0.64	a0 III
681	3:59:15.95	+53:56:27.2	14.40	3.27	2.42	1.65	0.78	0.30	0.70	f **
682	3:59:16.67	+53:38:09.2	12.91	2.99	2.40	1.72	0.77	0.30	0.73	f9 V
683	3:59:16.68	+53:47:49.6	12.57	3.25	2.49	1.73	0.81	0.30	0.74	f4 IV
684	3:59:16.72	+53:36:13.1	14.58	3.44	2.58	1.82	0.85	0.33	0.74	f3 III
685	3:59:17.08	+53:41:49.6	16.37			2.58	1.07	0.51	0.99	k2 V
686	3:59:18.57	+53:38:10.4	15.10			2.52	1.01:	0.45	1.00	k1 IV
687	3:59:19.09	+53:53:37.6	15.24	3.38	2.55	1.86	0.87	0.35	0.78	f3 IV
688	3:59:19.12	+53:13:11.2	16.49			2.47	1.08	0.50	0.92	k1 V
689	3:59:19.19	+53:58:19.7	13.05	3.12	2.32	1.51	0.74	0.28	0.61	a6 III
690	3:59:19.34	+54:09:10.5	14.19	3.38	2.56	1.82	0.88	0.35	0.72	f4 IV
691	3:59:20.22	+53:25:31.2	16.63			2.80:	1.15	0.55	1.07	k2.5 V
692	3:59:20.24	+53:51:53.4	14.99	3.52:	2.67	1.96	0.91	0.34	0.82	f7 IV
693	3:59:20.49	+53:17:18.0	15.26	3.71	2.75	2.05	0.96	0.38	0.87	f5 III
694	3:59:20.55	+53:18:08.8	15.29			3.67	1.64	0.69	1.41	k2 III: **
695	3:59:20.57	+53:38:50.7	16.58			2.82:	1.17	0.64	1.10	k3 V
696	3:59:23.26	+53:45:54.6	12.94	3.32	2.44	1.57	0.71	0.26	0.62	f1 III
697	3:59:24.49	+53:57:53.5	14.90			4.15	1.77	0.75	1.53	k3.7 III
698	3:59:25.10	+53:49:08.0	14.60		3.90:	2.92	1.24	0.52	1.13	k0 III
699	3:59:25.15	+53:27:44.0	14.08	3.36	2.51	1.79	0.83	0.31	0.75	f5 III
700	3:59:25.50	+53:11:44.8	13.78	3.56	2.73	1.96	0.90	0.34	0.79	f7 III
701	3:59:25.50	+53:17:08.0	16.73			2.64	1.17	0.57	1.07	k0 V
702	3:59:25.64	+53:44:08.2	13.23	3.68	3.10	2.11	0.85	0.38	0.84	k0.7 V
703	3:59:25.78	+53:53:17.6	16.06			2.89	1.10	0.62	1.09	k4.5 V
704	3:59:26.50	+53:29:11.0	13.00	3.28	2.33	1.36	0.66	0.24	0.52	a1 III
705	3:59:27.00	+53:30:30.7	14.02	3.32	2.58	1.88	0.86	0.32	0.78	f8 IV
706	3:59:27.70	+53:50:26.3	16.86			2.48:	1.07	0.53	0.96	k1 V
707	3:59:27.88	+53:13:41.4	13.64	3.38	2.54	1.76	0.84	0.32	0.74	f2 IV
708	3:59:28.01	+53:54:17.6	14.91	3.86	2.72	1.72	0.89	0.32:	0.74	a0.5 III
709	3:59:28.14	+53:21:16.6	14.67	4.10	2.84	2.04	1.12	0.45	0.88	b5
710	3:59:28.23	+53:30:03.5	15.23	3.40	2.59	1.90	0.87	0.33	0.79	f7 III
711	3:59:28.37	+53:31:35.0	15.08	3.57	2.83	2.08	0.95	0.37	0.84	f9 IV
712	3:59:28.52	+54:08:59.3	14.98			3.08	1.17	0.75	0.87	k5.5 V:
713	3:59:29.52	+54:04:54.8	16.20			2.98	1.34	0.60	1.16	k1 IV
714	3:59:29.56	+53:56:46.1	15.27			2.91	1.06	0.70	1.08	k5.5 V
715	3:59:29.73	+53:51:38.7	16.18			2.85	1.27	0.62	0.99	k1.5 V:
716	3:59:29.80	+53:22:49.0	14.78	3.75	2.65	1.71	0.84	0.31	0.69	a4 III
717	3:59:30.15	+53:29:46.5	13.79	3.46	2.73	1.96	0.88	0.33	0.81	g0 IV
718	3:59:30.26	+53:08:11.0	16.63			2.55:	1.19	0.61	0.94	**
719	3:59:30.29	+53:56:21.8	15.02	3.48:	2.58	1.66	0.76	0.29	0.67	f0 III
720	3:59:30.45	+53:05:26.0	13.70	3.01	2.29	1.60	0.74	0.28	0.82	f4 IV:
721	3:59:31.30	+53:40:47.9	13.62	3.65	2.58	1.59	0.78	0.29	0.66	a3 III
722	3:59:32.62	+54:12:29.6	14.07	3.85	2.88	2.03	1.01	0.41	0.84	f1 IV
723	3:59:33.24	+53:25:38.4	14.55	3.65	2.79	2.07	0.93	0.35	0.84	f9.5 IV
724	3:59:33.35	+53:49:08.4	13.32	3.43	2.54	1.79	0.86	0.31	0.77	f2 IV
725	3:59:34.05	+53:32:22.5	14.58	3.36	2.51	1.80	0.86	0.31	0.75	f5 IV-V **
726	3:59:34.94	+53:15:19.6	14.48	4.24	2.96	1.98	1.04	0.39	0.84	b **
727	3:59:36.48	+54:02:21.1	14.74	3.56	2.66	1.84	0.88	0.32	0.75	f2 III
728	3:59:36.73	+54:10:56.4	15.26			2.04	1.24:	0.46		
729	3:59:37.06	+53:30:08.8	13.85	3.42	2.58	1.85	0.87	0.31	0.81	f7 III
730	3:59:37.21	+53:06:06.3	12.57	3.05	2.35	1.65	0.77	0.29		f4 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
731	3:59:37.24	+53:55:34.5	16.06			3.33:	1.52	0.65	1.35	k1 IV
732	3:59:37.81	+53:50:33.6	14.65	3.32	2.46	1.80	0.85	0.31	0.74	f6 IV
733	3:59:37.82	+54:08:35.6	15.12			2.82	1.08	0.62	1.01	k4 V
734	3:59:37.87	+53:42:34.8	14.99	3.74	2.80	2.24	1.23	0.45	0.99	b8
735	3:59:38.51	+53:30:41.3	14.40	3.35	2.50	1.79	0.85	0.31	0.75	f7 IV
736	3:59:39.05	+53:13:30.2	15.58			2.84	1.15	0.64	1.18	k3.5 V
737	3:59:39.59	+53:35:54.8	16.57			2.87:	1.25	0.67	0.96	k1.5 V
738	3:59:39.88	+53:26:36.6	13.30		5.18:	3.66	1.44	0.64	1.29	k4.2 III
739	3:59:43.03	+53:15:06.0	13.02	3.85	2.68	1.64	0.80	0.30	0.66	a-f **
740	3:59:45.02	+53:54:30.1	15.91			2.28	1.00	0.49	0.88	g8 V
741	3:59:45.72	+53:22:21.5	16.83			2.41	1.04	0.53	1.01	k1 V
742	3:59:45.75	+53:15:25.7	14.74	3.91	2.82	1.92	0.91	0.36	0.74	f **
743	3:59:46.78	+53:07:16.5	13.06	3.25	2.39	1.52	0.69	0.27	0.72	f1 III
744	3:59:47.11	+53:49:16.3	12.54	3.40	2.49	1.65	0.78	0.28	0.71	f2 III
745	3:59:47.70	+53:55:44.7	13.96	3.88	3.25	2.19	1.05	0.55	1.31	f7
746	3:59:47.77	+54:03:40.6	14.58	3.76:	3.00	2.13	1.02	0.38	0.87	f8 IV
747	3:59:48.01	+53:30:47.8	14.99	3.48	2.68	1.97	0.91	0.36	0.84	f9 IV
748	3:59:48.08	+54:09:44.9	11.98	4.70	4.02	2.73	1.18:	0.51	0.75	k0.5 III:
749	3:59:49.16	+53:04:25.1	15.59			2.61	0.97	0.57		k5 V
750	3:59:50.00	+53:13:53.2	14.56	3.26	2.44	1.77	0.84	0.31	0.71	f6 IV
751	3:59:50.24	+53:06:24.4	14.55	3.80	3.15	2.17	0.90	0.39	0.76:	g9.5 IV
752	3:59:50.35	+53:26:49.5	11.36	4.91	4.14	2.87	1.19	0.48	1.12	k1 III
753	3:59:52.35	+53:27:22.7	14.42	3.66	2.84	2.06	0.94	0.36	0.87	f7 III
754	3:59:52.47	+53:52:29.0	15.43	3.43	2.66	1.96	0.87	0.31	0.83	f8 IV
755	3:59:53.18	+54:11:24.0	14.41	3.79	2.72	1.67	0.94:	0.35	0.84	b9.5 IV
756	3:59:53.21	+53:50:42.3	14.90	3.57:	2.63	1.80	0.86	0.32	0.75	f **
757	3:59:53.52	+53:42:48.9	16.53			2.53	1.13	0.51	0.98	g **
758	3:59:54.27	+53:11:52.5	13.52	3.27	2.45	1.67	0.79	0.30	0.84	f2 III:
759	3:59:54.50	+53:42:25.6	10.68	5.16	4.36	3.12	1.28	0.55	1.18	k1.5 III
760	3:59:54.72	+53:52:24.5	16.37			2.40	1.10	0.51	1.01	g8 **
761	3:59:56.18	+53:53:13.6	10.61	2.71	1.93	1.04	0.54	0.19	0.46	b9.5 IV
762	3:59:57.89	+53:32:43.9	13.92	4.87	4.07	2.89	1.26	0.49	1.14	g9 III
763	3:59:58.01	+53:35:48.3	13.54	3.59	2.74	1.99	0.93	0.34	0.85	f6 III
764	3:59:58.14	+53:39:29.9	15.07			3.35	1.43	0.58	1.28	k1.5 III: **
765	4:00:00.25	+53:45:47.5	16.07			2.22	0.97	0.45	0.91	g8 V
766	4:00:00.66	+53:55:16.5	13.34	4.89	3.73	2.80	1.35	0.48	1.18	f8 IV
767	4:00:00.88	+53:49:39.5	12.24	5.38	4.51	3.20	1.34	0.52	1.20	k0 III
768	4:00:01.07	+53:41:01.4	14.31	3.47	2.62	1.87	0.89	0.34	0.80	f4 IV
769	4:00:01.62	+53:48:14.7	12.41	3.02	2.17	1.24	0.60	0.21	0.50	a **
770	4:00:02.12	+53:35:16.9	13.84	4.84	4.02	2.77	1.14	0.49	1.06	k1 IV
771	4:00:02.16	+53:15:25.7	13.46	2.91	2.20	1.54	0.72	0.27	0.64	f3 V
772	4:00:02.82	+53:43:35.3	12.72	4.13	3.63	2.49	0.85	0.58	0.93	k6 V:
773	4:00:03.03	+53:58:43.2	14.04	4.08	2.80	1.88	1.00	0.37	0.82	a4 III
774	4:00:03.72	+54:01:06.7	13.20	5.05	4.20	3.00	1.30	0.51	1.15	g9.5 III
775	4:00:03.79	+53:36:58.9	14.44	3.81	3.01	2.17	0.96	0.37	0.91	g2 III
776	4:00:04.17	+53:09:30.4	16.62			2.95:	1.13	0.73	1.03	k6 V
777	4:00:04.61	+53:43:54.7	11.52	3.15	2.78	1.83	0.68	0.34	0.71	k1.7 V:
778	4:00:04.94	+54:09:39.4	14.81	3.60	2.80	2.06	1.13:	0.41	0.88	b4 IV:
779	4:00:04.95	+53:53:26.2	13.26	4.95	4.07	2.88	1.25	0.48	1.10	g9.5 III
780	4:00:05.45	+53:38:43.2	13.87	3.69	2.65	1.64	0.79	0.28	0.64	a3 III
781	4:00:06.31	+53:17:28.9	14.98	3.22	2.40	1.75	0.84	0.31	0.69	f5 IV
782	4:00:08.17	+53:58:49.9	13.91	3.48	2.48	1.56	0.75	0.27	0.63	a **
783	4:00:08.31	+53:51:45.7	14.67	3.26	2.43	1.76	0.82	0.31	0.72	f6 IV
784	4:00:08.73	+53:09:37.2	14.10			5.13	2.26	0.89	0.88	k5 III
785	4:00:08.76	+53:31:10.0	14.31	3.44	2.53	1.76	0.83	0.31	0.76	f4 III
786	4:00:09.47	+53:38:09.7	15.93			3.62	1.65	0.64	1.46	k0.5 III
787	4:00:09.53	+54:11:37.2	14.80	3.42	2.61	2.01	1.26:	0.51	0.83	k1 III:
788	4:00:09.78	+53:22:25.5	12.57			4.65	1.93	0.85	1.73	k1 III
789	4:00:09.81	+53:44:00.8	13.52	3.50	2.78	1.96	0.90	0.34	0.82	g1.5 III
790	4:00:10.87	+53:06:53.6	14.53	3.46	2.48	1.54	0.72	0.29	0.89	a7 III:
791	4:00:11.13	+53:55:13.8	16.81			2.36	1.03	0.50	0.90	k
792	4:00:11.40	+53:19:31.8	13.97			3.41	1.42	0.62	1.22	k2 III

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
793	4:00:11.85	+54:00:29.9	16.20			2.59:	1.06	0.54	0.96	k3 V
794	4:00:12.24	+53:37:18.1	13.62	3.73	2.73	1.85	0.85	0.30	0.77	f2 III
795	4:00:12.72	+53:51:24.3	13.84	3.13	2.28	1.60	0.86	0.30	0.72	b7 V:
796	4:00:13.15	+53:08:34.1	14.01	3.00	2.30	1.62	0.77	0.28	0.88:	f5 IV:
797	4:00:13.40	+53:24:57.5	14.43	3.45	2.63	1.93	0.89	0.35	0.80	f6 IV
798	4:00:13.79	+54:14:17.2	12.60	5.20	4.37	3.00	1.55	0.62:	0.75:	g5 III:
799	4:00:14.06	+53:10:38.8	14.92	3.33	2.53	1.82	0.83	0.34	0.69	f7 III
800	4:00:14.11	+53:30:26.5	13.97			3.79	1.63	0.68	1.42	k2.5 III
801	4:00:14.26	+53:32:54.0	13.23	3.50	2.67	1.90	0.88	0.32	0.81	f4 III
802	4:00:14.59	+53:14:03.8	15.59			2.34	0.96	0.40	0.82	k0 IV
803	4:00:14.91	+53:46:27.6	14.25	3.25	2.43	1.74	0.83	0.31	0.75	f6 IV
804	4:00:14.93	+53:33:13.0	15.18	3.71	2.82	1.97	0.95	0.36:	0.82	f **
805	4:00:15.16	+53:14:40.0	13.58	3.12	2.43	1.73	0.81	0.31	0.63	f5 IV
806	4:00:15.77	+53:38:19.9	16.25			2.84	1.17	0.53	1.10	k1.7 V
807	4:00:15.79	+53:17:50.7	11.92	2.79	2.04	1.10	0.53	0.19	0.38	a0 V
808	4:00:16.44	+54:01:20.2	10.59	2.85	2.31	1.60	0.74	0.28	0.65	f6 V
809	4:00:16.48	+53:09:30.6	13.44	3.15	2.33	1.43	0.66	0.25	0.82:	a8 IV:
810	4:00:16.88	+53:38:06.7	14.13			4.40	1.88	0.80	1.65	k4.2 III
811	4:00:17.59	+53:19:21.1	16.62			2.31	0.99	0.44	1.00	k0.5 V
812	4:00:17.78	+53:05:00.5	13.63	3.19	2.49	1.74	0.82	0.33	0.81	f5 IV
813	4:00:17.89	+53:28:14.7	14.77			3.00	1.07	0.68	0.88	k7 V
814	4:00:18.20	+53:53:23.9	14.02	3.45	2.69	1.95	0.90	0.33	0.80	f9 IV
815	4:00:18.78	+54:02:07.3	15.87			2.76	1.16	0.63	0.91	k3 V
816	4:00:19.06	+53:16:26.2	12.62	2.87	2.03	1.09	0.54	0.19	0.73	a1 IV:
817	4:00:19.37	+54:06:19.2	14.92	3.67	2.93	2.06	1.12:	0.40:	0.89:	b5 IV:
818	4:00:19.85	+53:08:57.7	13.54	3.63	2.84	2.03	0.93	0.38	0.80	f9.5 IV
819	4:00:19.94	+54:08:34.2	12.98	4.10	3.47	2.31	1.07:	0.46		g9.5 IV:
820	4:00:20.76	+53:04:51.3	12.45	3.48	2.61	1.78	0.85	0.30	0.73	f1 IV
821	4:00:20.95	+53:58:58.2	13.26	5.19	4.35	3.01	1.27	0.52	1.11	k1 III
822	4:00:21.17	+53:37:28.0	12.02	3.25	2.30	1.29	0.64	0.22	0.52	a2 III
823	4:00:21.52	+53:46:35.7	16.05			2.42	1.01	0.41	0.97	k0 IV
824	4:00:21.57	+53:08:39.8	14.43	3.94	2.64	1.71	0.94	0.35	0.86	b8
825	4:00:21.59	+53:27:47.9	14.77	3.61:	2.71	1.92	0.93	0.35	0.79	f3 IV
826	4:00:22.15	+53:43:57.7	13.11	3.12	2.60	1.81	0.76	0.31	0.73	g6 V
827	4:00:22.98	+53:45:26.7	12.31	3.14	2.47	1.73	0.80	0.29	0.73	f7 IV
828	4:00:23.82	+54:05:05.4	14.48	3.54	2.63	1.92	0.96:	0.37:	0.85:	a8 III
829	4:00:23.94	+53:22:03.5	13.98	3.45	2.66	1.91	0.90	0.33	0.81	f5 IV
830	4:00:24.40	+53:39:42.9	14.98			2.70	0.99	0.58	1.01	k4.5 V
831	4:00:24.53	+53:14:32.3	13.40	3.07	2.27	1.46	0.69	0.26	0.55	f0 IV
832	4:00:24.59	+53:12:28.5	11.54	2.95	2.40	1.65	0.77	0.30	1.10	f7 IV:
833	4:00:24.91	+53:20:30.0	16.48			2.99	1.31	0.59	1.19	k1.7 V
834	4:00:25.17	+54:11:39.9	13.91	3.76	2.77	1.79	1.08:	0.46:	0.83	
835	4:00:25.33	+53:25:53.0	13.23	3.64	2.70	1.87	0.88	0.32	0.79	f5 III
836	4:00:25.74	+53:07:41.9	14.33	3.76	3.03	2.09	0.92	0.37	0.82	g5 III
837	4:00:26.84	+53:15:44.5	13.06	2.88	2.12:	1.24:	0.62:	0.24:	0.44:	b **
838	4:00:27.65	+53:38:02.6	12.51	3.37	2.59	1.82	0.85	0.32	0.77	f4 III
839	4:00:27.90	+54:03:42.5	11.66	3.13	2.32	1.30	0.63	0.22	0.69	a2 V
840	4:00:28.24	+53:06:37.4	14.26	3.22	2.48	1.76	0.82	0.37	0.85	f **
841	4:00:28.55	+53:47:44.2	13.87	3.22	2.43	1.72	0.82	0.30	0.72	f4 III
842*	4:00:30.03	+53:04:29.2	9.57	2.66	1.98	1.04	0.47	0.18		a5 IV:
843	4:00:30.20	+53:20:03.5	14.96	3.72	3.00	2.07	0.92	0.37	0.77:	g4 IV
844	4:00:31.10	+53:44:07.1	15.42			2.58	1.13	0.52	0.96	k **
845	4:00:31.23	+53:38:05.5	11.23	3.13	2.22	1.22	0.62	0.22	0.51	a1.5 III
846	4:00:33.31	+53:07:53.5	16.63			2.49	1.05	0.55	0.97	k1 V
847	4:00:33.45	+53:15:07.2	15.86			3.42	1.59	0.62	1.02	k0 III:
848	4:00:34.49	+53:43:26.7	14.45	3.49	2.76	1.96	0.86	0.35	0.79	g0 IV
849	4:00:35.07	+54:07:40.1	14.26	3.79	2.76	1.64	0.95:	0.40:	0.87	b pec
850	4:00:35.43	+53:07:10.4	11.74	2.72	2.10	1.41	0.67	0.24	0.63:	a8 V:
851	4:00:35.63	+53:35:32.8	16.51			2.55	1.11	0.52	0.96	k1 V
852	4:00:36.29	+53:33:16.9	15.65			2.68	1.15	0.50	1.05	k1 IV
853	4:00:37.99	+53:07:44.7	16.70			2.30	1.07	0.56	0.00	g3 V
854	4:00:38.36	+53:59:40.6	13.87	3.65	2.75	1.75	0.82	0.31	0.69	f4 IV

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
855	4:00:38.83	+53:08:15.9	14.82	3.33	2.56	1.85	0.86	0.35	1.00	f5 IV:
856	4:00:39.07	+53:22:34.5	13.72	4.36	3.37	2.38	1.11	0.43	0.95	g1.5 III
857	4:00:39.76	+54:07:17.7	16.03			2.74	1.30	0.65:	1.00	g6 V:
858	4:00:40.32	+53:39:12.9	13.03		4.82	3.46	1.43	0.62	1.32	k2.2 III
859	4:00:41.17	+53:54:59.9	15.08			2.89	1.10	0.69	0.86	m1 V
860	4:00:41.17	+53:17:35.6	15.54			2.34	1.02	0.46	0.91	k0.7 V
861	4:00:41.88	+53:11:51.9	14.07	3.22	2.49	1.76	0.81	0.32	0.00	f6 IV
862	4:00:43.62	+53:25:43.0	14.26	3.72	2.59	1.71	0.93	0.33	0.71	b9 III
863	4:00:43.83	+53:17:21.1	12.54	3.63	2.98	2.01	0.86	0.37	0.74	g5.5 III
864	4:00:44.35	+53:40:02.3	10.78	3.18	2.45	1.67	0.78	0.28	0.74	f3 IV
865	4:00:45.05	+53:18:52.9	15.78			3.39	1.47	0.63	0.98:	k1.5 III:
866	4:00:46.10	+53:46:50.0	15.08	3.44	2.55	1.68	0.81	0.30	0.70	f1 IV
867	4:00:46.81	+53:32:22.6	14.91	3.66	2.84	2.06	0.95	0.37	0.85	f7 III
868	4:00:46.91	+53:44:13.6	13.25	3.28	2.36	1.38	0.68	0.26	0.48	a1.5 IV
869	4:00:47.08	+53:07:46.1	12.81	4.86	3.98	2.78	1.17	0.48	0.99	k0 III
870	4:00:47.50	+53:45:55.5	14.62	3.06	2.29	1.61	0.76	0.28	0.66	f4 III
871	4:00:47.94	+53:36:07.8	16.68			2.62	1.11	0.54	0.99	k2 V
872	4:00:48.40	+53:33:19.4	13.82		4.10	2.94	1.26	0.50	1.09	k0 III
873	4:00:48.59	+53:41:26.2	12.02	3.41	2.46	1.44	0.69	0.25	0.57	a4 III
874	4:00:48.84	+53:27:37.5	15.45			3.22	1.12	0.78		k7 V
875	4:00:49.63	+54:03:25.6	14.80	3.68:	2.86	2.07	1.05	0.47:	0.98	a-f
876*	4:00:49.68	+53:22:37.3	9.93	1.88	1.45	1.02	0.49	0.20	0.45	a1.5 IV:
877	4:00:49.88	+53:04:55.9	15.51			3.41	1.49	0.67	0.97	k1.2 III:
878	4:00:51.07	+54:04:14.3	15.94			3.37	1.56	0.66		k1.5 V
879	4:00:51.66	+53:54:28.3	15.69			3.49	1.60	0.64	0.99	k0.5 III:
880	4:00:51.77	+53:48:53.3	13.68	3.12	2.30	1.35	0.63	0.23	0.52	a6 IV
881*	4:00:52.03	+53:22:45.8	10.22	1.96	1.50	0.98	0.50	0.21	0.32	b5 IV:
882	4:00:52.12	+53:12:26.5	14.51	3.69	2.91	2.09	0.93	0.41	0.79	g2 IV
883	4:00:52.52	+53:18:22.0	11.38	2.61	2.08	1.41	0.64	0.23	0.57	f6 V:
884	4:00:53.66	+54:07:03.7	16.67			2.49:	1.33:	0.75:	1.04	a
885	4:00:55.27	+53:45:29.1	12.82	3.21	2.36	1.51	0.71	0.28	0.62	f0 III
886	4:00:56.48	+53:10:19.4	16.75			2.23	0.94	0.44	1.05	k1 V
887	4:00:57.79	+53:29:26.1	14.51	3.75	2.79	2.00	0.94	0.35:	0.90	f6 III
888	4:00:57.96	+53:29:09.8	14.67	3.73	2.80	2.04	0.92	0.37:	0.76	f9 IV
889	4:00:58.24	+53:31:26.9	15.33			2.43	1.02	0.47	0.93	k1.5 V
890	4:00:58.27	+53:48:33.0	15.44	3.42	2.65	1.93	0.88	0.34	0.75	f7 III
891	4:00:59.26	+53:47:41.3	15.34	3.36	2.58	1.90	0.88	0.35	0.74	f5 IV
892	4:00:59.52	+53:37:38.9	13.85	3.32	2.64	1.87	0.84	0.32	0.77	g1.5 III
893	4:01:00.05	+53:21:37.4	13.63	3.14	2.47	1.75	0.81	0.32	0.62:	f7 IV
894	4:01:00.82	+53:09:00.8	12.49	3.00	2.16	1.17	0.58	0.20	0.42	a1 IV
895	4:01:01.37	+53:50:46.5	12.96	3.56	2.77	1.99	0.95	0.37	0.75	f6 IV
896	4:01:02.16	+53:07:52.0	13.40	3.35	2.74	1.87:	0.87:	0.33	0.76	g0 IV
897	4:01:02.67	+53:46:24.4	14.61	3.28	2.53	1.83	0.85	0.34	0.76	f5 IV
898	4:01:02.77	+53:38:55.1	13.54	4.91	4.13	2.86	1.23	0.47	1.04	k0 III
899	4:01:02.84	+53:08:29.4	13.12	3.97	3.26	2.27	1.00	0.37	0.88	g5 III
900	4:01:03.11	+53:40:20.0	13.69	3.26	2.38	1.38	0.65	0.25	0.48	a **
901	4:01:03.40	+53:32:44.1	13.27	3.13	2.39	1.68	0.79	0.29	0.64	f4 IV
902	4:01:03.77	+53:40:57.7	16.34			2.32	1.00	0.45		k1 V
903	4:01:03.77	+53:58:25.9	16.64			2.32	1.03	0.49		k0 V
904	4:01:03.85	+54:00:04.7	14.26	3.55	2.81	1.99	1.05:	0.43:	0.90:	a
905	4:01:04.05	+53:52:09.1	12.58	2.99	2.42	1.72	0.76	0.30	0.61	g1 V
906	4:01:05.06	+53:49:02.5	14.66			2.84	1.19	0.51	1.06	k1 IV
907	4:01:05.63	+53:43:51.8	14.77	3.38	2.62	1.86	0.85	0.32	0.74	f8 IV
908	4:01:05.86	+53:29:46.5	12.01	3.22	2.49	1.75	0.82	0.29	0.67	f5 IV
909	4:01:06.94	+53:07:44.3	13.26	3.10	2.44	1.66	0.86	0.42	0.85	a0 V:
910	4:01:07.17	+53:34:30.1	12.61	3.17	2.36	1.55	0.74	0.26	0.61	f1 III
911	4:01:07.65	+54:00:13.5	16.40			2.46	1.17	0.57:	1.03	g2 V:
912	4:01:08.31	+53:41:04.3	14.98	3.86	2.69	1.69	0.77	0.30	0.60	a4 III
913	4:01:08.48	+53:12:28.6	11.54	2.55	2.00	1.32	0.62	0.27:	0.93	f4 IV:
914	4:01:09.00	+53:09:43.3	13.27	4.25	3.59	2.43	1.07	0.52	0.89	k0 V:
915	4:01:10.41	+53:16:49.5	14.81			2.92	0.99	0.74	0.84	k7 V:
916	4:01:10.57	+53:27:08.7	14.53	3.45	2.57	1.81	0.87	0.33	0.97	f3 IV:

Table 3. Continued

No.	RA (J2000) h m s	DEC (J2000) ° ' "	V mag	U-V mag	P-V mag	X-V mag	Y-V mag	Z-V mag	V-S mag	Photom. sp. type
917	4:01:11.89	+53:36:26.3	12.30		5.20	3.61	1.42	0.63	1.28	k3.7 III
918	4:01:12.76	+54:05:57.8	13.50	3.50	2.70	1.83	1.12	0.48	0.81	b
919	4:01:13.92	+53:47:00.2	14.77	3.23	2.43	1.79	0.97	0.38	0.70	b6 V:
920	4:01:14.06	+53:49:31.0	15.21			2.54	1.08	0.45	0.98	k0 III
921	4:01:14.60	+53:59:37.5	13.56	3.37	2.55	1.74	0.96	0.40	0.78	b **
922	4:01:15.97	+53:50:54.5	13.84	3.33	2.63	1.85	0.86	0.33	0.86	f7 IV:

Notes:

3. HD 24094 (B8), BD+53 708, CY Cam, B2 (Rydström 1978), B1 III (Bouigue 1959); **72.** HD 24203 (G0), BD+52 722, dG0 (Rydström 1978); WDS J03537+5316AB, sep. 0.2'' (Hartkopf et al. 2008); **94.** ALS 7793, B1 V (Hiltner 1956); **111.** BD+53 710, ALS 7795, B5 (Rydström 1978); **235.** HD 24386 (F8), BD+53 712, F8 V (Boulon et al. 1958); **279.** HD 232856 (G5), BD+53 713, G0 III; **391.** WDS J03568+5335A, sep. 9.7'', 11.0/13.8 mag, M1.5; **404.** NSVS 1985024, EB: (Wozniak et al. 2004; Hoffman et al. 2009); **490.** BD+53 715; **574.** BD+53 716, B5 (Rydström 1978); **842.** HD 232867 (A2), BD+52 732; **876.** BD+52 736A, WDS J04008+5323A, A0 (AGK3), B5 (Rydström 1978); **881.** BD+52 736B, WDS J04008+5323B.