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SEVEN-COLOR PHOTOMETRY AND CLASSIFICATION OF STARS IN THE DIRECTION OF OPEN CLUSTER M 29 (NGC 6913) IN CYGNUS

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Abstract. Magnitudes and color indices in the Vilnius seven-color system were determined for 1752 stars down to $V = 19.5$ mag in the direction of the open cluster M 29 (NGC 6913). The region is centered at $RA = 20:24$, $DEC = +38:30$ (J2000) and covers an area of 1.5 sq. deg. The photometric data are used to classify about 70 % of stars in spectral and luminosity classes and peculiarity types.

Key words: stars: photometry: Vilnius photometric system – stars: fundamental parameters, classification – Galaxy: open cluster (NGC 6913, M29)

1. INTRODUCTION

M 29 (NGC 6913) is a young open cluster located near the edge of the Great Cygnus Rift, a system of interstellar dust and molecular clouds splitting the Milky Way in two branches. Since in this direction our line of sight runs along the Local arm, dust clouds form a complicated pattern which can lead to differential extinction of stars in clusters located behind the Rift or close to it. In such a case, for plotting the intrinsic color-magnitude diagram of a cluster we must determine interstellar extinction and reddening for each star individually. This can be done by two-dimensional classification of stars in the cluster area either by spectroscopy (the MK system) or by multicolor photometry applying interstellar reddening-free photometric parameters with the calibration in MK types. For this aim, the seven-color Vilnius photometric system is most suitable since it allows stellar classification in two dimensions irrespective of their interstellar reddenings.

Photometric and spectroscopic studies of M 29 and its vicinity have been summarized recently by Reipurth & Schneider (2008). Very contradictory values of the cluster parameters have been found by various authors.

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The first deep photographic studies of the cluster were published by Becker & Stock (1948) and Tift (1958) down to ~ 14 mag in the *RGU* system and Hoag et al. (1961) down to ~ 15 mag in the *UBV* system. The last system was also applied using photoelectric (or CCD) photometry by Morgan & Harris (1956), Joshi et al. (1983) and Massey et al. (1995). Bright stars of the cluster were also measured by Crawford et al. (1977) in the *Strömgren* system and by Kazlauskas & Jasevičius (1986) in the *Vilnius* system.

MK spectral types and their peculiarities in the cluster area from slit spectra were determined by Roman (1951), Morgan et al. (1953, 1955), Morgan & Harris (1956), Hiltner (1956), Hoag & Applequist (1965), Walker & Hodge (1968), Raznik (1969, 1971), Forbes (1981), Massey et al. (1995), Wang & Hu (2000), Boeche et al. (2004), Negueruela (2004). Spectral classes from objective prism spectra were published in Nassau & Morgan (1951), Nassau & Harris (1952), Kharadze & Bartaya (1961), Barbier (1962), Voroshilov et al. (1969, 1976) and Kuznetsov (1991, 1990).

The membership probabilities of stars in the cluster area were investigated by Sanders (1973) and Herts (1980) using proper motions measured on photographic plates (see also Lazarenko & Lazarenko 1990), Kharchenko et al. (2004) using the catalog ASCC-2.5 and Dias et al. (2002, 2006, 2013) using the catalogs TYCHO2, UCAC2, UCAC4 and PPMXL. Boeche et al. (2004) estimated memberships of some bright stars by using radial velocities.

For a better understanding of the distribution of interstellar dust in the direction of M 29 and for more precise determination of the cluster parameters, we undertook CCD photometry of the area in the *Vilnius* system (Straizys 1992) with three telescopes of different diameters and field sizes.

2. OBSERVATIONS, DATA REDUCTION AND SPECTRAL TYPES

The observational material was obtained with CCD cameras on three different telescopes: the wide-field Maksutov-type 35/51 cm telescope of the Molėtai Observatory in Lithuania (2004), the 1 m Ritchey telescope at the Flagstaff Station of the US Naval Observatory in Arizona (2006–2008) and the 1.8 m VATT telescope of the Vatican Observatory on Mt. Graham, Arizona (2011–2012).

At Molėtai we used a CCD camera of Roper Scientific, Princeton Instruments, containing a 1340×1300 pixel chip with the Unichrome UV-enhancement coating. The pixel sizes are $20 \times 20 \mu\text{m}$, and the field of view is $1.26^\circ \times 1.22^\circ$. At Flagstaff a Tektronix CCD camera with a $2k \times 2k$ chip has been used. Its pixel sizes are $24 \times 24 \mu\text{m}$, the field-of-view is round with a diameter of $22'$. On the VATT a STA0500A CCD camera with a $4k \times 4k$ chip has been used. Its pixel sizes are $15 \times 15 \mu\text{m}$, the field of view is $13' \times 13'$. CCD chips in all the three cameras are back-illuminated, with the liquid nitrogen cooling. The positions of the three fields on the sky are shown in Figure 1. The center of the fields is at RA (J2000) = $20^{\text{h}} 24^{\text{m}}$, DEC (J2000) = $+38^\circ 30'$.

CCD exposures obtained on the three telescopes are listed in Table 1. Various exposure lengths were used trying to cover a wide range of magnitudes, without saturation of the brightest stars of $V \approx 9$. Short exposures were also essential for connection of the instrumental magnitude scales to photoelectric standards.

For reductions of CCD exposures we used the IRAF program package in the aperture mode. Preliminary transformation equations of magnitudes and color

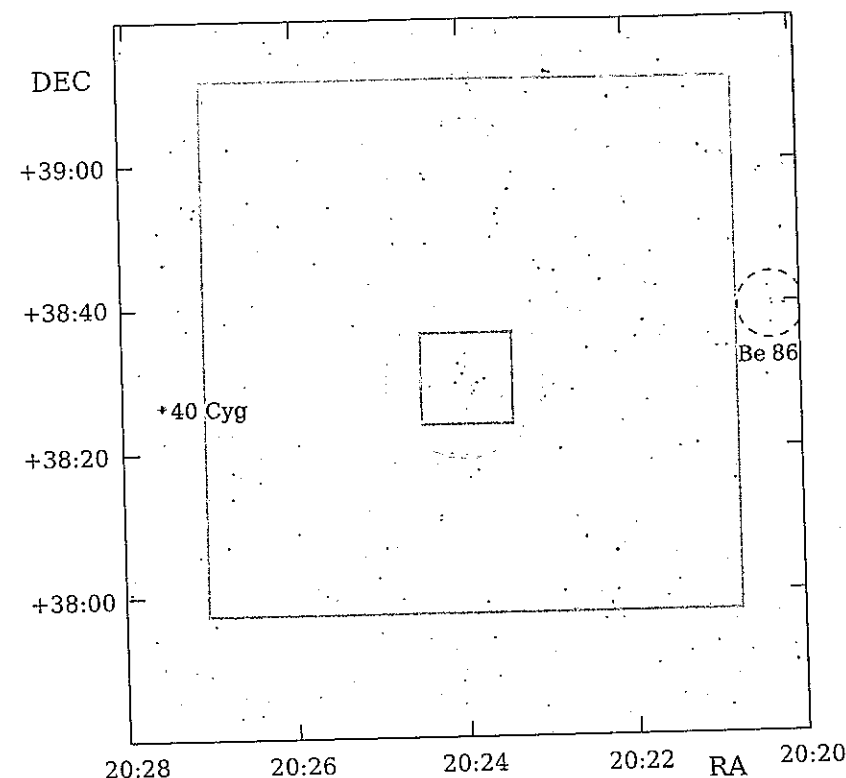


Fig. 1. Approximate positions of the three CCD fields used for stellar photometry around the cluster M29. The background image is the DSS2 Red image from SkyView. The Maksutov telescope field (the $\sim 1.25^\circ$ square) is shown in red, the Flagstaff telescope field (diameter $22'$) is shown in green and the VATT field ($13'$ square) is shown in violet. The star 40 Cyg and the cluster Berkeley 86 are designated.

indices from the instrumental to the standard *Vilnius* system were determined from observations of the M67 cluster, taking the photometric data of this cluster from Laugalys et al. (2004). Small non-linearities in color equations and their dependence on luminosity class were taken into account using the interstellar reddening-free *Q*-parameters. Preliminary zero-points of magnitudes and color indices were determined using the stars measured in the same areas photoelectrically by Kazlauskas & Jasevičius (1986). The final adjustment of photometric classification and zero-points has been done by optimizing the accuracy of photometric classification of a selected set of standard stars in the investigated areas. The limiting *V* magnitudes are: 20 mag for the VATT, 17 mag for the Flagstaff telescope and 15 mag for the Molėtai telescope.

Spectral types of stars from *Vilnius* photometry were determined by two codes. The first one is a version of the COMPAR code composed by A. Kazlauskas and described recently by Straizys et al. (2013). The second classification code named 'QCOKLAS' was composed by K. Zdanavičius and is described here. The results

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

Filter	λ_0 (nm)	Exposure lengths in s	Number of frames
Mt. Graham frames			
U	345	From 1800 s to 4 s	26
P	374	From 1800 s to 8 s	30
X	405	From 1800 s to 4 s	25
Y	466	From 600 s to 4 s	27
Z	516	From 600 s to 4 s	23
V	544	From 600 s to 2 s	27
S	656	From 600 s to 4 s	17
Flagstaff frames			
U	345	From 1200 s to 180 s	9
P	374	From 1200 s to 180 s	9
X	405	From 1200 s to 180 s	8
Y	466	From 480 s to 30 s	9
Z	516	From 240 s to 10 s	10
V	544	From 240 s to 30 s	9
S	656	From 240 s to 30 s	8
Molėtai frames			
U	345	From 1800 s to 60 s	7
P	374	From 900 s to 30 s	6
X	405	From 600 s to 5 s	10
Y	466	From 180 s to 5 s	10
Z	516	From 180 s to 5 s	7
V	544	From 180 s to 5 s	9
S	656	From 180 s to 5 s	9

of classification with the COMPAR and QC0KLAS codes were compared and averaged.

The classification by the QC0KLAS code is based on intrinsic color indices for 300 types of two-dimensional MK types (spectral and luminosity classes) taken from the Straižys (1992) monograph. The classification code includes the following three stages.

(1) 14 interstellar reddening-free Q -parameters are calculated from the intrinsic color indices for 300 MK types. In calculation of the Q -parameters, the ratios of color excesses corresponding to the normal interstellar reddening law are taken. The same Q -parameters are calculated for the program stars. Next, for each program star these 14 Q -parameters are matched up with the set of 300 standards to find the MK type which shows the least standard deviation.

(2) The next classification stage is based on six intrinsic color indices which include the passbands X, Y, Z and V (X-Y, X-Z, X-V, Y-Z, Y-V and Z-V). Differences of the observed color indices of a program star and the corresponding intrinsic color indices of the 300 MK standards are calculated giving the spurious 'color excesses' which for convenience are all transformed to the values of interstellar dust mass x (in the scale when $A_V = x = 1$). The values of $x < -0.15$ are

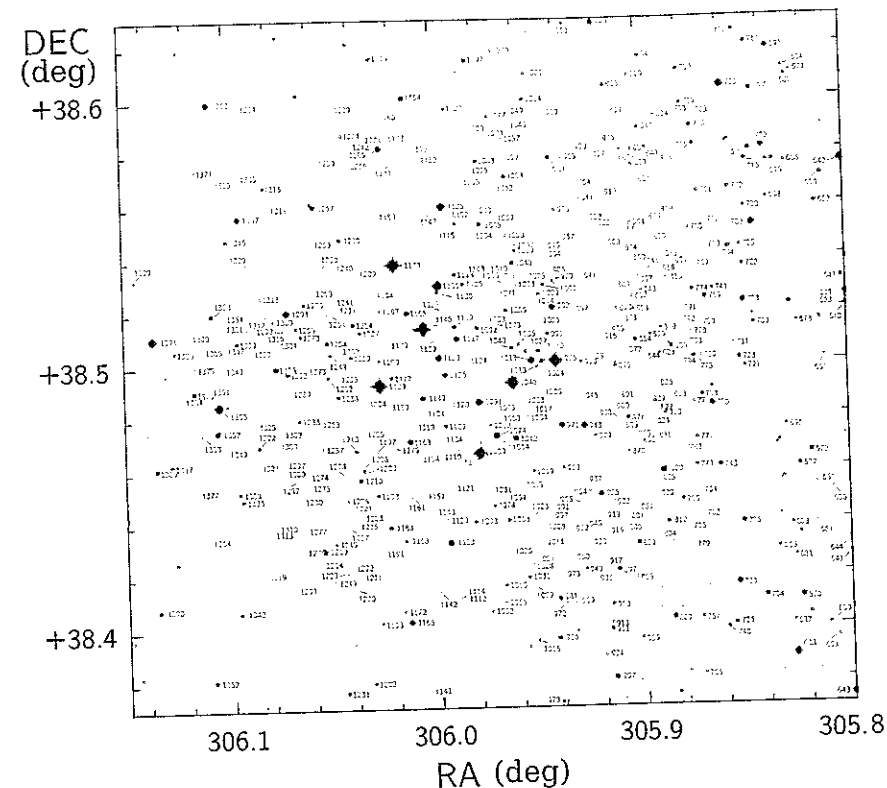


Fig. 2. Identification chart of Table 2 stars in the central area of $22' \times 22'$ size covered by the Flagstaff and VATT observations. Star numbers are written on the SkyView DSS2 Red chart.

rejected. The analysis of x values for each program star (corresponding to different color indices) allows finding the standard for which the dispersion of the six x values is at minimum. This value of x should be close to the real interstellar dust mass which affects this star, and the corresponding spectral type can be accepted for the program star.

(3) The accepted spectral type of a program star and its dust mass allows to deredden all color indices. We can compare the dereddened indices with the intrinsic color indices of a set of standard 300 MK types, find a minimum dispersion of six color indices and estimate again the spectral type of this program star.

Finally, the mean values of these three MK types are calculated. Their dispersion allows to estimate the classification reliability. Interstellar reddening and extinction for each of the classified stars is determined together with its spectral type.

Additionally, for the identification of stars with different peculiarities (emission-line stars, Am and Ap stars, subdwarfs, metal-deficient giants, binaries) a few Q_1 vs. Q_2 diagrams have been analyzed. The two- Q diagrams were selected to give the

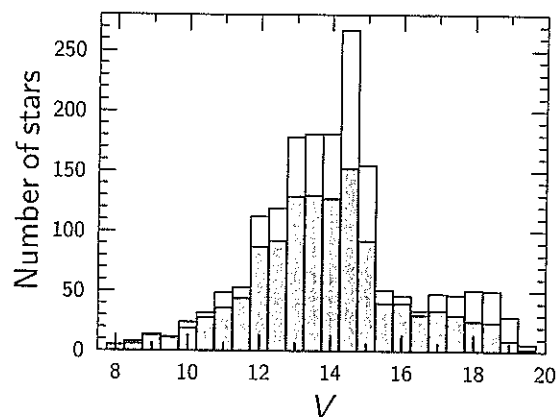


Fig. 3. Distribution of the measured stars in apparent magnitudes. The shaded parts of columns correspond to the stars for which two-dimensional spectral types (spectral and luminosity classes) are determined.

largest separation of peculiar stars from the sequences of normal stars of different luminosities. In the COMPAR code, peculiar stars are identified in the Q -matching process since the comparison catalog, together with normal stars of various spectral and luminosity classes, also contains stars with different peculiarities.

For the identification of YSOs among the stars measured in the *Vilnius* photometric system, we used several two-color plots of infrared surveys: the $J-H$ vs. $H-K_s$ diagram of the 2MASS survey, the diagrams $[3.6]-[4.5]$ vs. $[5.8]-[8.0]$ and $[3.6]-[4.5]$ vs. $[4.5]-[24.0]$ of the Spitzer survey, and the combined $K_s-[3.4]$ vs. $[3.4]-[4.6]$ diagram of the 2MASS and WISE surveys. Additionally, a few stars with the emission in $H\alpha$ were identified in the $r-H\alpha$ vs. $r-i$ diagram of the IPHAS survey (Drew et al. 2005). The details of application of the 2MASS, WISE and IPHAS diagrams are described in our investigation of the open cluster IC 1805 (Straizys et al. 2013).

3. THE CATALOG

Figure 1 shows that the largest part of the area is covered by photometry done from the Maksutov telescope exposures. Only the central part, which includes the cluster, is covered by photometry with two or three telescopes. The magnitudes and color indices of stars observed with more than one telescope were averaged taking into account their accuracy, and rounded to two decimal positions. The resulting catalog (Table 2) contains 1752 stars. Their limiting magnitude depends on the position in the area: in the cluster area it is close to $V = 20$ mag while in the outer parts of the area it is about 15 mag. Figure 2 gives the identification chart for stars in the central area covered by the VATT and Flagstaff observations ($22' \times 22'$).

Table 2 lists the following information: the running star number, equatorial coordinates J2000.0, magnitude V , color indices $U-V$, $P-V$, $X-V$, $Y-V$, $Z-V$ and $V-S$, photometric type in the MK system. Spectral classes are shown in the lower-case letters to indicate that these are determined from photometric data.

When available, spectroscopic MK types are given in Notes to the Table. Spectral types for the six brightest stars (Nos. 976, 1089, 1136, 1146, 1173 and 1189) are given in bold without luminosity classes. Their luminosity classes given in the literature are very different, see the notes at the end of Table 2. Moreover, four of these stars are spectroscopic binaries. The magnitudes and colors, for which standard errors are larger than 0.05 mag, are marked with colons. The coordinates are taken from the PPMXL catalog and rounded to two decimals of time second in RA and to one decimal of arcsecond in DEC.

The distribution of stars in magnitudes is shown in Figure 3. The shaded parts of columns correspond to stars for which two-dimensional spectral types are available. They constitute about 70 % of all stars in the catalog. For the stars fainter than $V = 19$ mag in the central part, and for the stars fainter than $V = 14.5$ mag in the remaining area the accuracy of photometry is too low for reliable two-dimensional classification. The other reason preventing two-dimensional classification of faint and heavily reddened early-type stars is the absence of U and P magnitudes. Also, some stars could not be classified due to duplicity.

Due to a short focus length of the Maksutov telescope, a number of stars in the catalog (not measured with the Flagstaff and VATT telescopes) appear as unresolved or partly resolved visual binaries. Therefore we have checked our stars by examining their images in the DSS2 Red atlas provided by the SkyView Virtual Observatory¹. The stars found to be binaries ($\text{sep} \leq 7''$) or having asymmetrical images are marked with two asterisks in the column of spectral types. For them we give either approximate spectral class or nothing.

Notes at the end of the table give HD or BD numbers, spectral types from the literature, as well as information on binarity, peculiarity or variability, taken from the SIMBAD database and other sources. The notes also list the identified YSOs, with a source of infrared photometry. Running numbers of stars having the notes are marked by asterisks.

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¹ <http://skyview.gsfc.nasa.gov/>

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Table 2. Results of photometry and classification of stars in the M 29 area. The stars with two asterisks in the last column were not classified since their images are asymmetrical, i.e., these stars are double or multiple.

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*	20:20:30.93	+38:42:20.9	11.05	2.56	1.93	1.34	0.74	0.25	0.60	b3 III
2	20:20:33.73	+38:58:16.2	12.76	2.27	1.74	1.20	0.51	0.15	0.50	f5: V
3	20:20:33.92	+38:54:55.7	13.70			1.39	0.47	0.12		
4	20:20:38.26	+38:52:31.7	12.12		4.66	3.38	1.43	0.56	1.24	k1 III
5	20:20:43.83	+38:57:14.2	13.34	2.79	2.00	1.40	0.70	0.21		
6	20:20:44.72	+38:22:53.6	10.58	3.06	2.45	1.75	0.79	0.26		g0 V
7*	20:20:45.31	+38:43:16.8	11.05	1.93	1.51	1.11	0.61	0.21	0.51	b2 V
8	20:20:45.93	+38:13:46.5	12.39	2.65		1.42	0.77	0.26	0.61	b5: V
9	20:20:46.70	+38:18:15.3	11.69	2.17	1.64	1.03	0.43	0.15	0.44	f3 V
10	20:20:47.09	+38:17:06.7	9.97	4.95	3.64	2.64	1.29	0.43	1.16	
11*	20:20:48.34	+38:15:23.2	7.61	1.40	0.93	0.32	0.12	0.03	0.13	b8 IV
12	20:20:48.99	+38:25:49.8	12.55	3.02		1.69	0.67	0.27	0.65	g3 IV
13	20:20:50.72	+38:35:17.5	12.47	2.37	1.84	1.25	0.59	0.19	0.56	f5 V
14*	20:20:51.60	+38:33:51.1	10.19	2.08	1.60	1.01	0.43	0.14	0.44	F5 V
15	20:20:53.64	+38:08:43.4	12.44	3.13		1.31	0.63	0.21	0.49	a3 V
16	20:20:53.86	+39:05:39.3	13.20	2.86	2.02	1.17	0.52	0.14	0.46	a6
17*	20:20:55.15	+38:28:48.9	11.07	2.33	1.78	0.94	0.40	0.16	0.39	a8 V, m:
18*	20:20:56.22	+38:04:07.3	10.83	1.85	1.28	0.69	0.31	0.13	0.33	b8 V
19	20:20:56.74	+38:37:02.2	12.16	3.25	2.45	1.76	0.98	0.35	0.79	b6 IV
20	20:20:57.47	+39:08:15.1	13.21	3.50	2.52	1.48	0.82	0.37	0.66	a0
21	20:20:57.63	+39:00:28.4	12.88	2.29	1.79	1.29	0.56	0.15	0.58	f-g
22	20:20:57.65	+39:02:06.4	12.93	2.62	1.91	1.28	0.67	0.19	0.59	b, **
23*	20:20:58.50	+38:33:49.4	8.78	2.13	1.60	0.93	0.38	0.12	0.38	f2 V
24	20:20:59.17	+38:17:06.3	12.27	5.02	4.20	2.91	1.32	0.48	1.15	g8 III
25	20:21:00.18	+38:44:47.7	13.36	2.92		1.53	0.80	0.29	0.72	
26	20:21:00.65	+38:47:53.5	14.64			2.66	1.41	0.50	1.25	a-f, **
27*	20:21:01.35	+39:00:52.0	9.63	1.64	1.31	1.03	0.57	0.17	0.53	b0.5 III
28	20:21:01.75	+38:53:18.2	12.42	2.33	1.85	1.28	0.55	0.20	0.56	f8 V
29	20:21:02.24	+38:33:38.6	13.07	5.07		2.93	1.43	0.49	1.26	g
30*	20:21:04.17	+38:27:39.7	11.58	2.12	1.63	1.00	0.44	0.15	0.43	f3 V
31	20:21:04.40	+38:28:39.1	12.54	3.17	2.40	1.74	0.98	0.35	0.83	b4 III
32	20:21:04.41	+38:48:05.4	13.31	2.77		1.58	0.64	0.24	0.64	g5 V
33*	20:21:04.50	+38:35:37.7	10.58	2.18	1.63	0.96	0.40	0.13	0.40	f2 V
34	20:21:04.62	+39:01:28.5	12.26		4.27	3.13	1.30	0.52	1.19	k1 III
35	20:21:05.93	+38:25:21.9	13.34	3.22		1.78	0.76	0.28	0.73	g3 IV-V
36	20:21:06.76	+38:10:55.1	12.62	2.40	1.83	1.24	0.54	0.18	0.54	f5 V
37	20:21:07.01	+38:40:36.4	12.32	2.66	1.91	1.22	0.53	0.19	0.51	f, **
38	20:21:07.43	+39:04:41.7	12.76	2.51	1.88	1.28	0.71	0.22	0.64	b4
39*	20:21:07.53	+39:01:53.7	7.71	1.46	1.11	0.82	0.42	0.13	0.40	b2 III
40*	20:21:07.62	+38:23:22.0	11.49	2.18	1.67	1.02	0.44	0.15	0.43	f2 V
41	20:21:08.09	+38:51:23.1	11.70			3.70	1.51	0.68	1.32	k
42	20:21:08.25	+38:50:35.9	13.07	3.28	2.41	1.64	0.89	0.33	0.71	b7 III
43	20:21:09.64	+38:06:56.6	12.95	3.17		1.68	0.94	0.33	0.77	b3 III
44	20:21:09.66	+39:05:20.9	12.13	2.34	1.95	1.33	0.57	0.20	0.63	g0 V
45	20:21:09.85	+38:03:25.3	12.69	5.07	4.14	2.97	1.34	0.50	1.16	g7 III
46	20:21:10.20	+39:02:38.1	12.09	2.31	1.66	0.85	0.34	0.08	0.34	a6 V:
47	20:21:10.89	+38:59:41.2	11.71	2.50	1.74	0.90	0.40	0.13	0.34	a0 IV
48	20:21:11.79	+38:30:24.0	11.64	2.60	2.07	1.56	0.89	0.31	0.73	b1.5 V
49	20:21:11.81	+38:53:11.6	13.36	2.99	2.22	1.44	0.76	0.28	0.68	b, **
50*	20:21:11.84	+38:35:14.4	10.86	2.61	2.09	1.58	0.91	0.32	0.74	b1.5 V
51	20:21:12.15	+39:09:05.3	12.32	2.35	1.85	1.31	0.59	0.17	0.61	f7 V
52	20:21:12.95	+38:28:01.6	12.04	2.80	2.10	1.36	0.76	0.26	0.59	b, **
53	20:21:13.22	+38:45:27.3	13.26	3.60		1.63	0.80	0.27	0.68	a4 IV
54*	20:21:13.80	+38:52:43.6	14.98			2.01	1.01	0.37	0.92	
55	20:21:14.10	+38:33:36.0	13.76	3.52		1.96	1.08	0.38	0.87	b5 IV
56*	20:21:14.43	+38:20:29.8	8.73	1.81	1.19	0.44	0.16	0.05	0.14	a0 V
57	20:21:14.70	+39:00:53.8	12.49	2.62	2.15	1.46	0.63	0.20	0.63	g0 V
58	20:21:14.75	+38:42:14.6	11.89	2.38	1.83	1.26	0.69	0.23	0.59	b4 V
59	20:21:14.87	+38:55:33.5	12.52	2.77	2.08	1.36	0.64	0.21	0.60	f2 IV
60	20:21:15.59	+39:04:37.6	12.18	2.49	1.77	1.12	0.53	0.24	0.46	a, **

Table 2. 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
61	20:21:16.49	+39:10:02.1	10.26	3.81	3.18	2.17	0.85	0.32		g, **
62	20:21:17.26	+38:10:22.6	11.61	2.46	1.76	0.86	0.36	0.13	0.31	a5 V
63	20:21:17.77	+38:05:18.9	12.55	2.59	1.99	1.36	0.62	0.23	0.58	f5 V
64	20:21:19.14	+38:31:55.6	12.57	2.61	2.07	1.49	0.85	0.31	0.69	b3 V
65	20:21:19.28	+38:50:13.3	13.73	3.58		2.02	0.88	0.36	0.84	g3 IV
66	20:21:20.15	+39:03:15.1	12.27	2.31	1.61	0.92	0.48	0.16	0.40	b8 IV
67	20:21:20.48	+38:35:43.8	13.36	2.55		1.40	0.61	0.21	0.61	f-g, **
68	20:21:20.50	+38:48:17.2	13.37	2.48	1.89	1.22	0.65	0.25	0.53	b6 IV
69	20:21:21.34	+37:58:23.5	11.49		1.76	1.15	0.48	0.19	0.50	f6 V
70	20:21:21.84	+39:03:56.6	12.89	2.29	1.77	1.20	0.53	0.18	0.53	f5 V
71	20:21:21.95	+38:33:18.8	12.92	3.56	3.00	2.09	0.89	0.38	0.85	k0 V
72	20:21:22.00	+38:34:17.8	13.64	3.24		1.37	0.68	0.24	0.51	a2 IV-V
73	20:21:22.08	+38:38:12.9	13.73	3.35		1.50	0.81	0.29	0.63	b7 V
74	20:21:24.78	+38:22:57.7	11.90	2.35	1.77	1.16	0.51	0.17	0.50	f, **
75	20:21:24.94	+38:31:17.5	13.19	3.40		1.52	0.73	0.27	0.61	a5 V
76*	20:21:25.59	+38:35:26.1	11.92	2.27	1.81	1.26	0.69	0.25	0.59	b3 V
77	20:21:25.70	+38:39:12.1	11.60	2.19	1.70	1.24	0.69	0.26	0.57	b2 IV
78	20:21:25.73	+38:36:47.7	13.64	2.84		1.42	0.69	0.25	0.68	f
79	20:21:26.05	+38:51:55.5	14.88			2.15	1.21	0.44	1.21	b1
80	20:21:26.20	+38:58:07.1	12.15	2.51	1.85	1.30	0.69	0.26	0.61	b, **
81*	20:21:26.59	+38:20:03.8	9.85	2.35	1.85	1.22	0.53	0.19	0.52	f6 V
82	20:21:26.74	+39:00:50.9	12.18	2.70	2.27	1.56	0.63	0.24	0.63	g, **
83	20:21:26.95	+38:04:56.1	13.05	2.92		1.60	0.73	0.31	0.72	f, **
84	20:21:26.96	+38:09:49.9	12.09	2.58	1.83	1.04	0.44	0.16	0.40	f0 IV
85	20:21:27.32	+38:36:47.1	12.78		4.55	3.15	1.47	0.56	1.28	
86	20:21:27.36	+39:02:12.1	13.50	3.54	2.44	1.53	0.77	0.29	0.66	a
87*	20:21:27.56	+38:06:28.3	12.60	3.03		1.68	0.96	0.32	0.75	b1 III
88*	20:21:27.99	+38:34:33.0	11.15	2.21	1.66	0.87	0.34	0.11	0.30	a8 V
89	20:21:28.89	+38:52:43.3	12.62	5.26	4.43	3.13	1.36	0.53	1.20	k0.7 III
90	20:21:29.12	+38:13:51.2	12.17	2.67	2.24	1.51	0.62	0.25	0.62	g5 V
91	20:21:29.40	+39:00:48.1	11.89	2.60	2.15	1.49	0.61	0.23	0.61	g3 V
92	20:21:29.77	+39:05:29.4	13.19	3.06	2.12	1.34	0.69	0.23	0.62	
93	20:21:29.86	+38:59:31.6	13.16	2.58		1.28	0.71	0.23	0.61	b, **
94*	20:21:29.97	+38:01:31.6	9.85	2.83	2.20	1.75	1.00	0.35	0.80	b2
95	20:21:30.06	+38:41:07.0	11.29	2.02	1.63	1.17	0.65	0.22	0.54	b2 V
96	20:21:30.15	+38:47:36.0	14.67			3.02	1.42	0.52	1.30	g5 III
97	20:21:30.28	+38:56:55.4	13.12	2.87	2.06	1.25	0.57	0.20	0.51	**
98	20:21:31.02	+38:01:04.1	12.81	2.50		1.17	0.53	0.16	0.51	
99	20:21:31.32	+38:16:16.7	11.82	2.57	2.01	1.49	0.82	0.29	0.71	b, **
100	20:21:31.32	+38:29:26.0	13.00	2.30	1.83	1.20	0.64	0.23	0.55	b5 V
101*	20:21:32.40	+38:05:20.0	9.69	3.45	2.87	1.96	0.77	0.29	0.73	g7 III
102	20:21:32.52	+38:48:43.6	13.55	3.00		1.61	0.76	0.28	0.72	f
103	20:21:32.69	+39:06:36.6	12.85	3.39	2.36	1.51	0.73	0.27	0.61	a-f
104	20:21:33.00	+38:21:55.0	13.08	3.38	2.54	1.61	0.76	0.28	0.65	a7 V
105	20:21:33.10	+39:07:08.2	10.34	1.62	1.29	1.00	0.55	0.18	0.49	b1 III
106	20:21:34.89	+38:37:56.1	14.88			1.79	1.02	0.36	0.94	b
107*	20:21:35.13	+38:36:47.8	9.86	1.76	1.41	1.02	0.57	0.21	0.48	b1.5 V
108	20:21:36.63	+38:28:12.2	13.31	2.44	1.87	1.22	0.66	0.28	0.58	b, **
109	20:21:36.74	+38:34:58.7	12.27	3.70	2.63	1.62	0.81	0.29	0.68	a
110	20:21:37.23	+39:05:59.6	12.78	2.50	1.82	1.08	0.46	0.15	0.43	f0 IV
111	20:21:37.67	+38:35:48.0	11.98	2.31	1.87	1.24	0.54	0.18	0.53	f8 V
112	20:21:38.04	+38:29:57.1	11.79	2.33	1.93	1.29	0.55	0.20	0.53	g0 V
113	20:21:38.08	+37:59:22.0	11.01	4.56	3.90	2.62	1.04	0.43	0.93	k1 III
114	20:21:38.32	+38:35:30.6	11.93	2.86	2.42	1.63	0.69	0.28	0.66	g, **
115	20:21:38.38	+39:03:24.5	11.10	2.81	1.88	1.02	0.50	0.17	0.42	a, **
116	20:21:38.62	+38:39:30.0	13.28	2.48	1.89	1.22	0.61	0.23	0.56	b6 IV
117	20:21:38.80	+38:07:43.5	13.16	2.58	2.03	1.40	0.62	0.23	0.62	f6 V
118	20:21:38.98	+38:46:55.5	13.68	2.56		1.42	0.63	0.23	0.60	f6 V
119	20:21:39.00	+38:07:28.7	11.95	2.41	1.81	1.19	0.52	0.20	0.53	f4 IV
120	20:21:39.75	+39:04:39.7	11.80	2.14	1.61	1.11	0.59	0.18	0.51	b3.5 IV
121	20:21:40.01	+38:35:38.1	12.70	4.86	4.11	2.81	1.28	0.46	1.14	g5: III
122	20:21:40.05	+38:16:29.2	12.95	2.62	2.21	1.46	0.61	0.24	0.66	g, **

Table 2. 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
123	20:21:40.33	+39:02:27.9	14.71			2.93	1.35	0.49	1.30:	g5 III
124	20:21:40.66	+38:38:04.8	12.76	2.29	1.88	1.30	0.55	0.19	0.55	g0 V
125*	20:21:40.66	+38:42:30.3	10.15	3.96	3.38	2.30	0.89	0.35	0.83	k0 III
126	20:21:40.97	+38:50:39.7	14.40			1.88	0.90	0.34	0.82	f, **
127	20:21:41.87	+38:33:31.3	14.63			1.46	0.75	0.26	0.61	a, **
128	20:21:42.11	+38:23:31.0	13.38	2.59		1.35	0.74	0.27	0.61	b6 V
129	20:21:42.59	+38:35:25.7	13.03	2.82	2.13	1.42	0.77	0.28	0.65	b5 III
130	20:21:42.69	+38:55:24.6	12.15	2.72	2.21	1.53	0.65	0.23	0.65	g, **
131	20:21:42.83	+38:41:41.5	12.90	2.26	1.75	1.17	0.63	0.22	0.54	b5 V
132	20:21:43.03	+38:52:53.9	13.15	2.72	2.13	1.52	0.70	0.25	0.68	f, **
133	20:21:43.08	+38:46:36.2	14.76			1.60	0.81	0.32	0.68	a
134	20:21:43.29	+38:37:59.8	14.98			1.55	0.80	0.25	0.66	a
135	20:21:43.53	+38:53:38.6	13.59:	3.60:		1.64:	0.80:	0.29:	0.72:	a-f
136	20:21:43.70	+38:57:28.7	12.55	2.62	1.83	1.09	0.57	0.20	0.51	b8 III
137*	20:21:43.95	+38:58:14.5	13.46	2.86		1.18	0.57	0.20	0.53	a, **
138	20:21:43.98	+38:36:46.9	14.46			1.59	0.77	0.27	0.69:	a-f
139	20:21:44.10	+38:10:11.5	13.06	2.55	1.95	1.36	0.60	0.23	0.59	f5 V
140	20:21:44.12	+38:47:17.8	11.12	4.14:	3.45:	2.35	0.97	0.42	0.86	k0 III-IV
141	20:21:44.29	+38:34:04.9	13.29	3.52	2.57	1.68	0.82	0.30	0.71	f1 III
142	20:21:45.04	+38:37:14.4	12.26	2.25	1.77	1.21	0.65	0.23	0.58	b3 IV
143	20:21:45.58	+38:50:49.9	14.84			1.61	0.79	0.29	0.72	a-f
144	20:21:45.65	+38:44:18.7	14.84			1.51	0.78	0.29	0.61	a0 V
145	20:21:46.08	+38:44:48.8	14.18			2.88	1.35	0.50	1.16	g
146	20:21:46.82	+38:36:51.2	12.97	2.74	2.13	1.34	0.63	0.23	0.56	f1 V
147	20:21:46.85	+38:56:23.0	14.94			1.38	0.68	0.25	0.59	a-f
148	20:21:46.91	+39:07:45.6	13.64			1.39	0.60	0.22	0.57	f8 V
149	20:21:46.97	+38:47:55.4	12.54	2.73	2.24	1.52	0.62	0.24	0.61	g, **
150*	20:21:47.35	+38:18:18.6	9.04	1.80	1.24	0.47	0.17	0.05	0.13	a0 V
151	20:21:47.61	+38:24:43.6	13.32	3.12	2.27	1.31	0.66	0.23	0.51	a, **
152	20:21:47.96	+39:04:06.8	13.35	2.94	2.31	1.59	0.70	0.26	0.69	f8 IV
153	20:21:48.25	+38:42:51.6	11.66	2.60	1.83	0.95	0.44	0.16	0.37	a0 V
154	20:21:49.02	+38:01:12.7	12.23	3.56	3.05	2.07	0.75	0.42	0.79	k3 V
155	20:21:49.04	+38:14:11.3	13.41	3.45:	2.62:	1.84	0.87	0.32:	0.81:	f3 III
156	20:21:49.09	+38:48:11.8	12.39	2.30	1.72	1.03	0.46	0.16	0.44	f0 V
157*	20:21:49.21	+38:26:35.1	10.29	2.08	1.63	1.05	0.46	0.16	0.45	f5 V
158	20:21:49.91	+38:54:46.5	13.77	2.74		1.57	0.67	0.27	0.65	g, **
159	20:21:50.04	+38:03:18.9	11.50	2.32	1.87	1.26	0.54	0.21	0.53	f8 V
160	20:21:50.34	+38:57:27.5	13.72	2.81	2.05	1.31	0.61	0.24	0.55	f1 IV
161	20:21:50.66	+38:58:16.5	13.94			3.26	1.29	0.62	1.17	k4 III
162	20:21:50.67	+38:23:03.0	14.74			1.45	0.77	0.26	0.58	b
163	20:21:50.84	+38:28:55.4	11.78	2.42	1.86	1.14	0.49	0.18	0.47	f1 V
164	20:21:50.87	+38:52:22.4	14.31	2.99		1.54	0.78	0.31	0.68:	a
165*	20:21:50.92	+38:37:45.8	8.62	2.21	1.65	1.20	0.66	0.23	0.57	b
166	20:21:51.96	+38:43:28.8	14.61			1.43	0.74	0.26	0.64	b9:
167	20:21:52.89	+38:51:35.1	14.23	3.20		1.41	0.67	0.27	0.61	a-f, **
168	20:21:53.59	+38:53:38.2	13.54			3.57	1.46	0.67	1.32	k4: III
169	20:21:54.01	+38:50:27.5	11.43	2.04	1.61	1.13	0.61	0.22	0.53	b2.5 V
170	20:21:54.17	+38:40:59.0	14.73			1.65	0.81	0.30	0.72	a-f
171	20:21:54.28	+38:52:35.5	13.07		4.03:	2.93	1.33	0.50	1.19	g6 III
172	20:21:54.30	+38:02:50.4	12.39	2.46	1.93	1.30	0.55	0.21	0.55	f8 V
173	20:21:54.60	+38:14:27.7	11.86	2.45	2.00	1.35	0.57	0.23	0.58	g0 V
174*	20:21:55.06	+38:21:32.8	11.04	2.26	1.75	1.11	0.48	0.17	0.47	f5 V
175	20:21:55.13	+39:02:27.1	12.17	2.27:	1.81:	1.24:	0.51:	0.22:	0.51:	f9 V
176	20:21:55.51	+39:04:58.9	11.87	2.48	1.84	1.23	0.65	0.23	0.59	b6 IV
177	20:21:55.52	+38:55:08.3	14.29			2.06	1.05	0.39	0.91	a-f
178	20:21:55.59	+38:33:58.7	12.51	2.32	1.73	1.09	0.57	0.18	0.48	b, **
179	20:21:55.72	+38:26:13.4	13.42			3.12	1.40	0.51	1.22	g8 II-III
180	20:21:55.88	+38:31:30.3	12.62	2.50	1.83	1.15	0.59	0.21	0.52	b7 IV
181	20:21:56.06	+39:10:05.6	11.17	3.91	3.27	2.27	0.89	0.34	0.86	g, **
182	20:21:56.33	+38:20:34.1	14.58			1.67	0.97	0.52	0.71	**
183	20:21:56.33	+38:22:22.4	14.68			1.80	0.93	0.33	0.85	a, **
184	20:21:56.50	+38:52:40.5	14.12	3.37		1.52	0.77	0.30	0.63	a, **

Table 2. 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
185*	20:21:56.69	+38:35:29.1	10.22	2.31	1.67	0.80	0.32	0.11	0.24	a5 V
186	20:21:56.86	+38:01:16.4	12.82	3.48	2.73	2.04	1.17	0.45	0.95	b3
187	20:21:57.00	+38:45:01.0	14.85			1.63	0.87	0.29	0.69:	b, **
188	20:21:57.01	+38:44:19.0	14.26	3.50:		1.53	0.70	0.28	0.64	a0 V
189	20:21:57.13	+38:55:20.9	12.62	2.35	1.82	1.24	0.55	0.19	0.55	f6 V
190	20:21:57.44	+38:45:12.8	14.55			1.71	0.90	0.33	0.71	a
191	20:21:57.69	+38:55:58.9	14.10	3.26		1.64	0.83	0.32	0.69:	a2 IV
192	20:21:58.00	+38:35:03.8	13.15	2.29	1.70	1.05	0.55	0.18	0.47	b7 V
193	20:21:58.04	+38:41:53.0	13.15	3.19	2.60	1.73	0.78	0.30	0.74	g, **
194	20:21:58.09	+38:58:55.1	14.59	2.88		1.41	0.78	0.27	0.72	b2:
195	20:21:58.24	+38:45:31.1	13.53	3.29:	2.31:	1.39	0.68:	0.27:	0.57	a
196	20:21:59.33	+38:09:39.4	11.38	2.32	1.86	1.29	0.56	0.22	0.56	f, **
197	20:21:59.51	+39:06:14.9	13.43			3.16	1.30	0.56	1.18	K2 III
198	20:21:59.77	+38:40:45.0	12.54	2.28	1.80	1.21	0.56	0.20	0.53	f5 V
199	20:21:59.99	+38:24:49.7	13.14			3.13	1.33	0.55	1.15	k1.5 III
200	20:22:00.03	+38:42:08.0	14.16	3.07		1.34	0.69	0.26	0.59	b9
201	20:22:00.05	+38:48:38.6	14.34			3.26	1.45	0.59	1.29	k1 III
202	20:22:00.33	+38:35:31.4	13.25	2.56	2.11	1.41	0.60	0.23	0.61	g0 V
203	20:22:00.49	+38:31:43.5	14.77			1.45	0.71	0.27	0.57	a
204	20:22:00.56	+39:00:28.1	11.90	2.77	1.95	1.09	0.51	0.17	0.45	a0 IV
205	20:22:00.74	+38:57:51.0	14.74		2.59:	1.69	0.92:	0.34	0.83	b, **
206	20:22:00.82	+38:47:05.9	14.42			1.86	0.97	0.32	0.81	a
207	20:22:00.89	+38:53:03.0	14.73			1.77	0.84	0.34	0.79	f6 V
208	20:22:00.96	+38:59:15.5	14.21	3.34		1.65	0.77	0.28	0.78:	f3 IV
209	20:22:01.20	+39:02:52.3	14.41	3.08		1.33	0.67	0.21	0.60:	a1 V
210	20:22:01.26	+38:50:52.1	14.26			1.88	0.98	0.35	0.85	a, **
211	20:22:01.52	+38:54:07.9	10.31	1.95	1.53	1.16	0.64	0.24	0.56	b2 III
212	20:22:01.54	+38:55:57.3	12.89	2.39	1.94	1.32	0.57	0.20	0.57	f9 V
213	20:22:01.57	+38:32:06.9	14.15	3.23		1.38	0.56	0.23:	0.62	g, **
214	20:22:01.85	+39:08:35.1	13.75	2.71		1.29	0.68	0.27	0.68	b8:
215	20:22:02.05	+38:35:26.7	13.55:	2.89:	2.12:	1.22:	0.60:	0.22:	0.57:	a:
216	20:22:02.29	+38:45:25.1	11.63	2.36	1.77	1.07	0.47	0.16	0.44	f, **
217	20:22:02.56	+38:58:38.0	14.76			1.37	0.68	0.25	0.57:	a
218	20:22:02.60	+38:54:44.3	11.65	2.08	1.65	1.22	0.67	0.25	0.56:	b2 IV
219	20:22:02.67	+39:03:14.1	14.15			1.70	0.83	0.31	0.72	a9 V
220	20:22:02.90	+38:56:59.7	14.19	3.16		1.63	0.88	0.33	0.69	b7 V
221	20:22:02.94	+38:50:47.0	12.62	2.42	1.78	1.21	0.62	0.24	0.57	b, **
222*	20:22:02.98	+38:55:01.9	11.01	3.06	2.19:	1.33	0.63	0.23	0.58	f, **
223	20:22:03.52	+38:06:34.8	10.96	2.59	2.07	1.44	0.63	0.23	0.61	f3 V
224	20:22:03.52	+38:36:53.1	13.05	2.69	1.96	1.15	0.57	0.19	0.48	b9 V
225	20:22:03.85	+38:53:25.5	14.65	2.83:	2.38:	1.62	0.67	0.28	0.65	g7 V
226	20:22:03.90	+38:56:48.2	14.52	3.17:	2.24:	1.37	0.68	0.24	0.56	a0 IV-V
227	20:22:03.94	+38:29:01.9	14.95			1.75	0.99:	0.33	0.82:	b
228	20:22:03.97	+38:26:10.2	13.50			2.80	1.09	0.64	1.15	k-m V
229	20:22:04.20	+38:38:36.2	12.41	2.11:	1.71:	1.11:	0.59:	0.22:	0.60:	b5, p:
230	20:22:04.33	+38:07:15.7	11.12	3.25	2.73	1.88	0.75	0.31	0.74	g9 IV
231	20:22:05.10	+38:43:59.3	12.50	3.51	2.48	1.47	0.75	0.26	0.61	a, **
232	20:22:05.73	+38:36:11.3	14.57			1.50	0.74	0.28	0.60	a3 IV
233	20:22:05.75	+38:16:48.5	11.99	4.91	4.04	2.80	1.21	0.47	1.06	k0 III
234	20:22:05.90	+38:47:03.8	14.60		2.74:	1.72	0.88	0.30	0.69	a1 V
235	20:22:05.90	+38:56:27.9	10.89	2.54	2.14	1.45	0.60	0.23	0.61	g4 V
236	20:22:06.28	+38:40:16.3	13.68	2.50:		1.38	0.61	0.23:	0.61:	f7 V
237	20:22:06.68	+38:22:56.7	12.40	2.56	2.01	1.40	0.64	0.23	0.63	f5 V
238	20:22:06.96	+38:52:34.0	13.84	2.97		1.66	0.72	0.28	0.68	g1 V
239	20:22:07.00	+38:53:32.3	12.99	2.33	1.78	1.18	0.63	0.22	0.56	b5 IV
240	20:22:07.00	+38:54:28.9	14.37	3.29:	2.35:	1.44	0.76	0.30:	0.88	b, **
241*	20:22:07.60	+38:23:51.0	10.71	1.73	1.41	1.01	0.55	0.20	0.47	b2 IV
242	20:22:07.65	+38:56:30.2	13.68:			3.19:	1.41:	0.53:	1.24:	g:
243	20:22:08.05	+38:06:49.0	11.85	2.69	2.02	1.38	0.63	0.23	0.61	f5 IV
244	20:22:08.27	+38:27:21.4	13.27	2.63	2.18	1.61	0.91	0.30	1.05	b, **
245	20:22:08.40	+38:14:18.3	12.46	2.49	1.91	1.29	0.57	0.20	0.56	f5 V
246	20:22:08.43	+38:58:03.4	13.03	2.49	1.79	1.18	0.61	0.21	0.53	b6 IV

Table 2. 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
247	20:22:08.47	+38:59:23.9	11.79	1.91	1.50	1.06	0.56	0.19	0.50	b2.5 V
248	20:22:08.68	+38:28:47.6	14.59			1.87	0.91	0.30	0.85:	f-g
249	20:22:08.68	+38:57:01.6	12.72	2.80	2.05	1.32	0.68	0.24	0.58	b8:
250	20:22:08.90	+39:02:23.0	14.09	4.02:		2.34	0.84	0.51	0.90	k
251	20:22:09.24	+38:25:22.8	14.35			2.94	1.35	0.57	1.21	
252	20:22:09.24	+38:30:44.0	14.73			1.88	0.89	0.34	0.79	f7 IV
253	20:22:09.45	+38:56:08.2	14.31	2.52		1.41	0.69	0.27	0.64	f-g, **
254	20:22:09.69	+38:49:14.3	13.86:	2.72:	2.16:	1.31:	0.62:	0.69:	0.63:	
255	20:22:09.85	+38:51:04.3	14.04	2.70		1.22	0.63	0.27	0.54	a0:, **
256	20:22:09.99	+39:04:00.3	12.42	2.47	1.98	1.36	0.57	0.20	0.58	f9 V
257	20:22:10.09	+38:32:36.5	13.93	3.37		1.53	0.77	0.25	0.67	a
258	20:22:10.55	+38:25:41.7	13.63			2.77	1.25	0.48	1.13	g8 III-IV
259*	20:22:10.75	+38:33:23.3	10.11	2.17	1.62	0.93	0.38	0.13	0.37	f0 V
260	20:22:10.80	+38:51:57.2	13.42	3.38	2.54:	1.56	0.75	0.28	0.68	a7 V
261	20:22:10.91	+38:30:02.1	14.55	2.88		1.62	0.75	0.33	0.76:	f, **
262	20:22:10.98	+38:07:49.5	12.74	2.81	2.31	1.54	0.64	0.26	0.63	g2 IV-V
263	20:22:11.14	+38:49:06.9	13.79	3.25:	2.38:	1.54:	0.71:	0.23	0.68:	f2 III
264	20:22:11.20	+38:50:34.1	14.33			3.19	1.40	0.59	1.20	k1 IV
265	20:22:11.29	+38:34:49.3	13.97	3.22		1.31	0.65	0.23:	0.57:	a-f
266	20:22:11.73	+38:32:45.4	13.68	2.88:	2.19:	1.54	0.73	0.25	0.70:	f-g
267*	20:22:11.78	+39:01:53.4	9.91	1.62	1.28	0.96	0.52	0.19	0.45	b1 IV:
268	20:22:11.89	+38:18:21.1	14.71			1.79	1.00	0.33	0.80	b
269*	20:22:11.96	+39:08:55.8	8.46	3.84	3.23	2.19	0.82	0.35	0.80	k0.5 III
270	20:22:12.00	+38:53:15.4	11.70	2.45	1.79	1.03	0.44	0.17	0.43	f0 IV
271	20:22:12.28	+38:03:06.6	13.12	2.40	1.92	1.34	0.58	0.23	0.58	f8 V
272	20:22:12.74	+38:20:17.2	13.78	2.42	2.06	1.40	0.61	0.22	0.61	g1 V
273	20:22:12.77	+38:21:39.9	13.23			3.10	1.41	0.53	1.22	g8 III
274	20:22:13.47	+38:32:12.7	13.24	2.49:	1.91:	1.25	0.58	0.20:	0.53:	f
275*	20:22:13.57	+38:05:46.9	7.62	3.94	3.32	2.26	0.83	0.33	0.80	k0.5 III
276*	20:22:13.74	+38:00:19.5	9.44	4.30	3.64	2.48	0.91	0.37	0.83	k1.5 III
277	20:22:13.75	+38:25:09.5	14.85			2.79	1.28	0.48	1.17	g5 III
278	20:22:13.75	+38:58:57.2	14.10	3.10		1.36	0.72	0.25	0.64	b, **
279	20:22:13.84	+38:24:36.7	14.06	3.75:		1.79	0.86	0.37	0.70	f, **
280*	20:22:13.84	+38:36:02.9	11.08	1.88	1.50	1.01	0.53	0.19	0.46	b3 V
281	20:22:14.00	+39:02:53.8	14.77			1.38	0.73	0.33	0.59	b-a
282	20:22:14.04	+38:36:27.3	14.40	2.98		1.18	0.59	0.19	0.54	a
283*	20:22:14.04	+39:07:44.5	9.98	1.50	1.03	0.50	0.19	0.30	0.19	
284	20:22:14.07	+38:47:51.5	14.35			2.94	1.31	0.50	1.19	g8 III
285	20:22:14.21	+38:40:44.1	13.42	2.80	2.15	1.25	0.57	0.20	0.49	a7 V
286	20:22:14.39	+38:33:12.5	14.73	3.02:	2.39:	1.62	0.76	0.27	0.72	f3 V
287	20:22:14.91	+38:36:43.6	14.11	3.00		1.22	0.62	0.22	0.52:	a0 IV:
288	20:22:15.01	+39:04:40.7	12.23	4.97	4.13:	2.92	1.24	0.50	1.15	k0.5 III
289	20:22:15.16	+39:03:01.9	14.04			2.81	1.21	0.45	1.15	g-k, **
290	20:22:15.58	+38:58:43.3	13.06	2.75	1.97	1.21	0.56	0.19	0.53	
291	20:22:16.32	+38:37:54.6	12.93	3.09	2.33	1.58	0.74	0.26	0.69	f2 IV
292	20:22:16.68	+38:28:24.8	14.94			1.71	0.85	0.32	0.70	a, **
293*	20:22:17.08	+38:42:27.6	13.17	2.42	1.87	1.23	0.66	0.21	0.63	b, **
294	20:22:17.19	+38:20:14.0	13.47	3.09	2.69	1.79	0.70	0.32	0.69	k0 V
295	20:22:17.38	+38:35:53.8	13.93	2.81		1.19	0.62	0.22	0.54	b
296	20:22:17.94	+38:37:45.5	14.84			1.36	0.72	0.20	0.63:	b
297	20:22:18.20	+37:58:23.9	11.57	3.77:	3.04:	2.31	1.28	0.46	1.11	b2.5 IV-V
298	20:22:18.24	+39:07:30.8	12.60	2.25	1.71	1.14	0.51	0.17	0.52	f5 V:
299	20:22:18.40	+37:58:41.4	11.21	4.16:	3.34:	2.54	1.41	0.49	1.19	b3 V:
300	20:22:18.95	+38:36:42.8	14.77			1.60	0.75	0.26	0.71	f5 V
301*	20:22:19.04	+38:01:48.4	12.03	3.33	2.63	2.12	1.24	0.44	1.22	b
302	20:22:19.15	+38:31:11.2	14.02	2.73		1.16	0.59	0.21	0.48	b9 V:
303	20:22:19.34	+38:46:30.8	13.19	3.27:	2.86:	1.83	0.68	0.36	0.78	k, **
304	20:22:19.51	+38:49:59.4	14.31	3.04	2.60:	1.73	0.70	0.30	0.67	g9 V
305*	20:22:19.54	+38:27:31.0	13.32	3.33	2.42	1.44	0.68	0.25	0.59	a6 III
306	20:22:19.71	+38:38:13.1	14.61		2.66:	1.80	0.91	0.31	0.81	f0 V
307	20:22:19.91	+38:48:30.3	12.07	2.68	2.11	1.48	0.64	0.24	0.63	f7 V
308	20:22:20.00	+38:17:54.3	11.71	3.74	3.19	2.16	0.86	0.35	0.81	k, **

Table 2. 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
309	20:22:20.08	+38:41:20.3	14.01	2.48:		1.46	0.65	0.25	0.63	f8 V
310	20:22:20.35	+38:47:47.5	13.71	3.30:	2.38	1.50	0.71	0.28	0.64	f0 III
311*	20:22:20.36	+38:36:50.4	11.85	2.59:		1.16	0.61	0.20	0.53	b, **
312	20:22:20.46	+38:29:30.3	14.62			1.88	0.76	0.34	0.77	k0 V
313	20:22:20.61	+38:50:48.6	14.97		2.39:	1.47	0.75	0.27	0.59:	b-a, **
314	20:22:20.80	+38:21:44.2	14.80	3.10:	2.51:	1.68	0.82	0.28	0.75	f3 V
315*	20:22:20.88	+38:24:15.9	12.92	2.50	2.00	1.35	0.62	0.22	0.60	f6 V
316*	20:22:20.96	+38:43:29.5	9.00	1.87	1.51	1.17	0.67	0.24	0.56	b1 III
317	20:22:20.96	+38:52:28.1	14.44		2.73:	1.84	0.91	0.32	0.85	f0 V
318	20:22:21.09	+38:45:24.2	13.68			2.59	1.15	0.46	1.04	g9 IV
319	20:22:21.22	+38:42:54.9	14.79			2.60	1.01	0.63	1.08	m0 V
320	20:22:21.79	+38:54:26.3	13.70	2.49:	2.06	1.39	0.63	0.23	0.59	g0 V:
321	20:22:22.12	+38:49:51.1	13.26	3.26	2.36	1.42	0.69	0.25	0.61	a5 V
322	20:22:22.36	+38:33:49.8	13.57	2.75	2.35	1.54	0.66	0.25	0.64	g3 V:
323	20:22:22.43	+38:34:13.3	14.80		2.61:	1.52	0.73	0.23	0.61	a3 IV
324	20:22:22.72	+38:43:48.3	14.78			1.68:	0.89	0.36	0.74	b9.5 V
325*	20:22:22.78	+38:32:56.1	13.23	2.58	1.92	1.23	0.64	0.22	0.52	b7 IV
326	20:22:23.11	+38:30:23.8	13.95			3.54	1.49	0.64	1.33	k-m, **
327	20:22:23.16	+38:29:18.5	14.02	3.48	2.65:	1.91	0.93	0.33	0.85	f5 IV
328	20:22:23.20	+38:47:46.6	14.09	3.09	2.11:	1.28	0.66	0.22	0.56	b9 III:
329	20:22:23.48	+39:06:03.0	13.40	2.59	2.12	1.48	0.66	0.26	0.66	g0 V
330	20:22:23.50	+39:00:30.3	13.24	2.35	1.80	1.27	0.56	0.20	0.54	f6 V
331	20:22:23.95	+38:38:37.8	14.07	5.00:		2.82	1.27	0.50	1.13	k0 III-IV
332	20:22:24.18	+38:41:26.9	14.77	3.12:	2.30:	1.36	0.71	0.25	0.61	a0 V
333*	20:22:24.25	+38:54:19.8	10.03	1.75	1.38	1.05	0.59	0.20	0.50	b1 III
334	20:22:24.29	+38:37:11.1	14.22	2.63	2.17:	1.50	0.64	0.26	0.62	g2 V
335	20:22:24.31	+38:51:17.4	14.25	2.91	2.52:	1.65	0.69	0.28	0.69	g
336	20:22:24.42	+38:52:34.3	12.14	4.98	4.06:	2.94	1.39	0.46	1.13	g, **
337	20:22:24.60	+38:38:48.0	13.32	3.04:	2.22:	1.30	0.64	0.23	0.51	a0 V
338	20:22:25.15	+39:04:21.9	14.37		2.25:	1.60	0.76	0.29	0.69	f6 V
339	20:22:25.39	+38:56:24.5	14.87			1.77	0.93	0.36	0.80	a
340	20:22:25.78	+38:46:45.9	13.12			3.31	1.43	0.58	1.25	k2 III
341	20:22:26.02	+38:35:57.7	13.42	2.74	2.02	1.21	0.62	0.21	0.52	b9 V
342	20:22:26.04	+38:00:06.9	13.03	4.04:	3.12:	2.39	1.32	0.46	1.13	b, **
343	20:22:26.19	+37:59:04.2	12.89	3.47	2.67	2.03	1.13	0.43	0.96	b3 III
344	20:22:26.44	+38:31:23.0	14.21	2.63	2.10:	1.48	0.69	0.25	0.60	f7 V
345	20:22:26.50	+39:00:01.0	14.38	3.27	2.46:	1.74	0.98	0.35	0.80	b5 IV
346	20:22:26.61	+38:34:49.2	13.59			3.88	2.04	0.83	1.94	f-g
347	20:22:27.35	+38:45:00.9	12.29	2.48	2.05	1.40	0.59	0.23	0.58	g, **
348	20:22:27.37	+38:53:22.7	14.58		2.60:	1.74	0.90	0.34	0.79	b, **
349	20:22:27.40	+38:47:31.0	13.19	4.93:	3.93:	2.85	1.31	0.50	1.18:	g
350	20:22:27.45	+38:34:12.7	14.36	3.46:	2.52:	1.54	0.71	0.26	0.65	a6 III:
351	20:22:27.55	+39:00:19.4	14.81			1.97	1.08	0.36	0.86	b
352	20:22:27.71	+38:20:20.9	13.54	2.47	1.93	1.30	0.60	0.22	0.55	f5 V
353*	20:22:27.93	+38:46:51.6	10.39	1.80	1.41	0.96	0.53	0.18	0.46	b2.5 V
354	20:22:28.14	+38:21:43.7	14.86		2.50:	1.58	0.89	0.30	0.70	b9:
355	20:22:28.69	+38:08:05.9	13.52	2.92		1.59	0.70	0.28	0.69	f7 IV
356	20:22:29.25	+39:07:19.5	14.06	2.77	2.32:	1.55	0.64	0.26	0.62	g5 V
357*	20:22:29.34	+38:17:15.5	13.03	3.80	2.95	2.19	1.20	0.41	1.06	b4 IV
358	20:22:29.42	+38:24:25.9	14.52		2.59:	1.84	0.90	0.30	0.78	f6 V
359	20:22:29.44	+39:10:30.9	12.09	2.34	1.85	1.28	0.55	0.18	0.55	f7 V
360	20:22:29.64	+38:31:50.7	12.51	3.48	3.01	2.11	0.80	0.41	0.86	k2.5 V
361	20:22:29.76	+38:45:21.3	13.82:	2.67:	2.18:	1.51:	0.62:	0.20:	0.74:	
362	20:22:30.47	+38:56:13.1	14.56	3.72:	2.85:	1.78	0.91:	0.32:	0.78:	a
363	20:22:30.71	+38:34:55.8	14.48	3.14:	2.32:	1.30	0.67	0.23	0.56	a0 V
364	20:22:30.91	+39:03:13.3	12.62	2.25	1.72	1.15	0.50	0.17	0.49	f5 V
365	20:22:31.08	+38:44:20.4	12.46	2.45	1.87	1.26	0.68	0.24	0.60	b5 V
366	20:22:31.09	+38:48:53.7	12.00	2.26	1.85	1.25	0.53	0.19	0.54	f8 V
367*	20:22:31.22	+38:25:08.2	13.05			3.43	1.46	0.57	1.28	k2 III
368	20:22:31.46	+38:29:29.3	14.38	3.34:	2.56:	1.76	0.85	0.36	0.66	f2 IV
369*	20:22:31.73	+38:34:05.8	9.70	4.19	3.57	2.41	0.89	0.38	0.81	k2 III
370	20:22:31.75	+38:50:26.4	11.62		2.31:	1.39	0.68	0.24	0.54	a0 V

Table 2. 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
371	20:22:32.13	+38:43:12.2	14.48		2.70:	1.94	0.98	0.35	0.86	f, **
372	20:22:32.23	+38:25:55.6	13.95	3.31		1.85	0.92	0.32	0.83:	f3 IV
373	20:22:32.29	+38:49:54.3	14.02	3.11:	2.31:	1.34:	0.61:	0.22:	0.59:	a6 V
374*	20:22:32.72	+38:42:15.4	12.16	2.36	1.82	1.19	0.63	0.30	0.54	b5 IV
375	20:22:32.87	+38:29:23.2	14.15	2.88	2.15:	1.25	0.67	0.24	0.55	b9 V
376	20:22:33.19	+38:42:27.8	14.73	3.36:		1.71:	0.88	0.35	0.75	b-a
377	20:22:33.43	+38:06:28.0	13.52	2.62	2.07	1.40	0.64	0.25	0.61	f5 V
378	20:22:33.58	+38:04:10.5	11.70	2.30	1.70	1.05	0.46	0.17	0.45	f2 IV
379	20:22:33.63	+38:15:23.1	14.95			1.95	0.83	0.39	0.78	g9 V
380	20:22:33.78	+38:43:08.4	14.41			3.02	1.40	0.53	1.25	g7 III
381	20:22:34.05	+38:45:29.4	14.14	2.42		1.41	0.63	0.22	0.62	f6 V
382	20:22:34.19	+38:16:09.0	13.01	2.35	1.92	1.35	0.57	0.22	0.58	g0 V
383	20:22:34.28	+38:30:59.0	14.26	3.37:	2.52:	1.62	0.81	0.28	0.65	f0 IV:
384	20:22:34.43	+38:55:47.6	14.02		3.02:	2.13	1.03	0.43	0.95	f8 V:
385	20:22:34.44	+38:53:31.1	13.96	3.25	2.33:	1.53	0.81	0.29	0.69	b8 III
386	20:22:34.49	+38:36:41.3	12.77	2.42	2.02	1.33	0.56	0.21	0.55	g1 V
387	20:22:34.81	+38:20:23.8	14.59	2.80	2.39:	1.61	0.71	0.27	0.66	g4 V
388*	20:22:34.91	+38:24:45.2	13.24	3.06	2.24	1.38	0.71	0.24	0.64	b, **
389	20:22:34.92	+38:32:34.9	13.03	3.31	2.86	1.93	0.81	0.32	0.78	g
390*	20:22:34.98	+39:04:21.4	10.18	2.38	1.94	1.32	0.56	0.20	0.55	f9 V
391	20:22:35.23	+38:50:13.6	13.61	2.64	1.91	1.12	0.59	0.21	0.51	b8 V
392	20:22:35.40	+38:52:45.2	14.10			2.85	1.32	0.55	1.16	g
393*	20:22:35.46	+38:39:15.4	10.67	5.10	4.34	3.03	1.17	0.50	1.04	k2.5 III
394*	20:22:35.57	+38:07:45.7	8.49	2.86	2.27	1.76	0.99	0.35	0.88	b1.5 Iab:
395	20:22:35.72	+38:52:06.7	14.30		2.85:	1.90	0.87	0.33	0.78	a-f
396	20:22:35.88	+38:44:55.6	13.07	2.97:	2.16:	1.34	0.63	0.24	0.56	f0 III
397	20:22:35.91	+37:59:37.6	10.96	3.43	2.64	2.11	1.21	0.42	1.00	b
398*	20:22:36.03	+38:25:22.5	13.43	3.29:	2.39:	1.44	0.70	0.23	0.60:	a
399	20:22:36.03	+38:31:53.1	14.16	3.14	2.37:	1.57	0.75	0.28	0.67	f1 IV
400	20:22:36.27	+38:31:12.4	14.82		2.30:	1.37	0.67	0.22	0.55	a
401	20:22:36.45	+38:45:19.0	14.74		2.69:	1.92	0.96	0.32	0.87:	f5 V
402	20:22:36.69	+39:00:11.8	14.66		2.61:	1.85	0.90	0.29	0.79	f5 V
403	20:22:36.91	+38:21:36.1	14.54			2.04	1.04	0.39	1.01	a-f
404	20:22:36.94	+39:05:21.8	12.84	3.90	3.37:	2.31	0.81	0.51	0.87	k4 V
405	20:22:37.04	+37:59:12.2	12.54	3.49	2.66	2.07	1.20	0.42	0.97	b5
406	20:22:37.08	+38:58:39.8	14.87			2.12	1.11	0.41	0.93	a-f
407	20:22:37.10	+38:32:16.2	14.41	2.74	2.13:	1.50	0.71	0.23:	0.69:	f5 V
408	20:22:37.15	+38:49:13.4	13.16	3.21:	2.79:	1.80	0.71	0.34	0.61	k
409	20:22:37.24	+38:49:27.0	10.30	5.83:	4.95:	3.44	1.29	0.65	1.14	k5 III
410	20:22:37.28	+38:53:41.7	14.93			1.73	0.89	0.31	0.77	a
411	20:22:37.55	+39:02:48.8	12.27	2.75	2.28	1.54	0.64	0.24	0.64	g, **
412	20:22:37.79	+38:38:06.2	14.88		2.52:	1.51	0.72	0.24	0.64:	a5 V:
413*	20:22:38.00	+38:47:26.5	12.96	4.65	3.78:	2.66	1.21	0.45	1.11	g
414	20:22:38.05	+38:36:59.5	13.56	2.69:	1.92:	1.22	0.64	0.23	0.53:	b7 III
415	20:22:38.12	+38:21:07.5	14.72			1.96	0.73	0.34	0.75	k1 V
416	20:22:38.12	+38:31:15.3	14.79		2.69:	1.86	0.89	0.30	0.80	f3 IV
417	20:22:38.43	+38:23:48.0	14.79			1.55	0.83	0.29	0.65	b
418	20:22:38.54	+38:17:36.3	14.52	3.01	2.42:	1.73	0.77	0.28	0.73:	g0 V
419*	20:22:38.69	+38:17:10.2	13.09	3.23	2.50	1.76	0.84	0.30	0.75	f5 IV
420	20:22:38.96	+39:07:08.1	13.68	3.74	2.77:	1.99	1.02	0.36	0.85	b7 III
421	20:22:39.21	+38:59:18.6	14.86			2.00	1.00	0.35	0.86	a7 IV
422	20:22:39.23	+38:56:32.3	13.46	2.62	2.02	1.38	0.73	0.28	0.65	b6 V
423	20:22:39.39	+39:02:02.3	14.21	3.30	2.38:	1.59	0.84	0.32	0.74	b8 III
424	20:22:39.48	+39:03:34.2	14.90			1.76	0.98	0.35	0.81	b4 IV
425	20:22:39.53	+38:55:44.2	14.38	3.00	2.42:	1.68	0.71	0.28	0.69	g, **
426	20:22:39.69	+38:41:12.3	14.58		2.49:	1.48	0.76	0.23	0.67	a
427	20:22:39.72	+38:30:29.4	13.91	2.68	2.29:	1.57	0.65	0.26	0.66	g, **
428	20:22:40.15	+38:52:37.9	11.90			4.14	1.74	0.74	1.57	k3 III
429	20:22:40.29	+38:22:28.3	14.60		2.57:	1.57	0.82	0.26	0.63	a
430	20:22:40.61	+37:58:49.8	13.27	3.20	2.33	1.43	0.67	0.24	0.55	a8 III
431	20:22:40.69	+38:42:45.8	14.97			1.85	0.88	0.35	0.75	f6 IV
432	20:22:41.41	+38:48:19.2	14.64	3.11:	2.27:	1.31	0.69	0.24	0.60	b9.5 V

Table 2. 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
433	20:22:41.55	+38:33:36.0	14.05	3.02	2.16:	1.27	0.64	0.23	0.54	b9.5 V
434	20:22:41.76	+38:14:03.0	13.00	2.51	2.07	1.45	0.61	0.25	0.62	g2 V
435*	20:22:41.84	+38:10:37.5	10.58	2.33	1.82	1.37	0.75	0.28	0.65	b2 III
436	20:22:41.84	+38:57:22.5	14.68	2.31	1.87:	1.36	0.65	0.23	0.59	
437	20:22:42.04	+38:27:49.2	14.40	3.02	2.18:	1.36	0.72	0.28	0.62:	b9 IV
438	20:22:42.07	+38:50:32.6	12.22	2.17	1.63	1.03	0.54	0.20	0.46	b6 V
439	20:22:42.28	+38:53:13.9	12.08	2.50	1.92	1.33	0.72	0.25	0.61	b4 IV
440	20:22:42.31	+38:35:24.1	13.05	2.34	1.88	1.25	0.56	0.20	0.54	f6 V
441	20:22:42.37	+38:42:07.3	14.72			1.89	0.72	0.37	0.75	k1 V
442	20:22:42.48	+38:52:53.8	14.47			1.88	0.96	0.37	0.82:	a-f
443	20:22:42.61	+38:20:36.3	12.46	2.24	1.78	1.18	0.51	0.18	0.51	f6 V
444*	20:22:43.04	+38:28:16.8	9.71	3.85	3.29	2.23	0.85	0.33	0.77	k0 III
445	20:22:43.75	+39:06:26.0	13.08	2.89	2.42	1.62	0.64	0.26	0.64	g6 IV
446	20:22:43.88	+38:38:11.4	11.22	2.22	1.72	0.96	0.41	0.14	0.39	f0 V
447	20:22:43.89	+38:41:10.5	14.04	3.74:		2.23	0.80	0.47	0.86	k4 V
448	20:22:43.93	+38:15:16.2	12.57	2.52	2.04	1.41	0.63	0.22	0.60	f, **
449	20:22:43.98	+38:13:11.2	13.21	2.53	2.03	1.41	0.64	0.23	0.61	f8 V
450	20:22:44.10	+38:10:01.3	13.47	2.53	2.10	1.44	0.62	0.23	0.61	g1 V
451	20:22:44.21	+38:55:40.2	13.17	2.70	2.03	1.39	0.75	0.26	0.65	b5 IV
452*	20:22:44.69	+38:39:40.8	10.94	2.40	1.78	1.10	0.47	0.17	0.46	f2 IV-V
453	20:22:45.35	+38:19:18.5	14.96		2.41:	1.68	0.81	0.29	0.69	f4 V
454	20:22:45.59	+38:55:11.0	13.80		3.21:	2.11	1.04	0.47	0.82	
455	20:22:45.78	+38:57:11.9	14.23			3.09	1.44	0.55	1.25	g5 III:
456	20:22:45.87	+37:58:28.4	14.96			1.75	0.77	0.31		g2 V
457	20:22:45.96	+38:27:15.4	12.29	3.14	2.73	1.82	0.69	0.33	0.72	k1 V
458	20:22:45.99	+38:38:05.1	14.67	2.69	2.38:	1.55	0.68	0.24	0.69	g
459	20:22:46.49	+38:25:59.9	14.40			1.91	1.03	0.35	0.87	a
460	20:22:46.60	+38:42:38.7	14.65		2.36:	1.68	0.82	0.30	0.74	f5 V
461	20:22:46.92	+38:32:12.0	14.91		2.32:	1.33	0.66	0.21	0.56	a1 V
462	20:22:47.01	+39:01:32.2	14.41	3.23	2.36:	1.54	0.87	0.31	0.73	b7 III
463	20:22:47.03	+39:04:57.7	14.39			2.24	0.82	0.47	0.89	k4 V
464	20:22:47.12	+38:50:16.6	13.99	3.71	2.69:	1.85	0.93	0.35	0.83	**
465*	20:22:47.52	+38:23:50.1	13.24	3.66	2.53	1.59	0.78	0.27	0.68	
466	20:22:47.54	+39:02:09.9	14.48		2.70:	1.88	0.94	0.37	0.88	f2 V
467	20:22:47.55	+38:36:00.4	14.48		2.86:	2.03	0.81	0.40	0.81:	k1 V
468*	20:22:47.87	+38:45:32.1	13.30	2.80	2.05	1.26	0.66	0.23	0.57	b8 V
469	20:22:48.25	+38:25:01.4	12.37	2.08	1.66	1.10	0.44	0.12	0.56	f8: V
470	20:22:48.55	+38:56:35.1	12.25	2.26	1.78	1.20	0.51	0.17	0.52	f6 V
471	20:22:48.70	+38:39:30.9	14.46	2.62	2.07:	1.45	0.69	0.23	0.65	f6 V
472	20:22:48.86	+38:38:03.8	14.38	3.07:	2.23:	1.29	0.64	0.21	0.54	a0 V
473	20:22:48.86	+38:49:56.5	14.36	2.68	2.02:	1.49	0.68	0.26	0.64	f-g
474*	20:22:48.90	+38:22:36.8	13.58	2.38	1.89	1.26	0.58	0.20	0.59	f5 V
475	20:22:49.00	+37:59:21.7	13.65	3.10	2.70:	1.77	0.68	0.32	0.70	k1 V
476	20:22:49.04	+38:11:58.8	13.25	3.35	2.53	1.87	1.02	0.34	0.86	b
477	20:22:49.12	+38:33:36.2	13.76:	2.78:	2.00:	1.16:	0.60:	0.19:	0.49:	b:
478	20:22:49.23	+38:50:27.5	12.50		4.80:	3.32	1.38	0.56	1.23	k2 III
479	20:22:49.45	+38:55:00.0	13.14	2.72	2.07	1.44	0.78	0.27	0.68	b5 IV
480	20:22:49.78	+39:02:32.9	13.73	3.11	2.22	1.42	0.76	0.26	0.64	b8 III
481	20:22:50.03	+38:21:08.6	13.72	3.29:		1.86	1.01	0.33	0.85	b5
482	20:22:50.73	+38:54:45.4	14.02	2.73	2.36:	1.60	0.68	0.27	0.71	g6 V
483	20:22:50.86	+39:02:46.4	13.11	2.69	1.99	1.27	0.59	0.23	0.55	f2 IV
484	20:22:50.87	+39:04:48.3	12.92	2.89:	2.11:	1.40:	0.72:	0.31:	0.61:	b8
485	20:22:51.01	+38:22:45.9	14.36	2.94:		1.68	0.72	0.30	0.58	g, **
486	20:22:51.23	+38:34:35.7	13.57	3.08	2.13	1.32	0.68	0.22	0.60	b
487	20:22:51.41	+38:20:51.2	14.84			1.89	0.72	0.37	0.75	k1 V
488	20:22:51.63	+38:28:53.6	14.61			2.59	1.14	0.62	1.00	k, **
489*	20:22:51.70	+38:29:39.0	13.21	3.34	2.52:	1.60	0.81	0.31	0.70	a
490	20:22:51.77	+38:42:47.5	14.44	2.86	2.44:	1.65	0.71	0.28	0.65	g5 V
491	20:22:51.87	+38:46:41.7	14.41	3.20	2.28:	1.36	0.72	0.25	0.60	b9.5 III
492*	20:22:51.91	+38:41:50.8	10.17	2.08	1.59	1.12	0.61	0.20	0.52	b3 IV
493	20:22:52.10	+38:36:22.5	14.99	3.37:	2.31:	1.38	0.91:	0.25		a-f
494*	20:22:52.11	+38:00:23.0	8.84	2.36	1.81	1.24	0.53	0.20	0.54	f5 V

Table 2. 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
495*	20:22:52.18	+39:04:29.0	10.61	2.30	1.63	1.06	0.57	0.22	0.51	b7 IV
496	20:22:52.33	+38:55:41.6	13.60			3.36	1.48	0.59	1.31	k0.5 III
497*	20:22:52.46	+38:56:09.6	11.15	2.53	2.10	1.40	0.57	0.22	0.58	g4 V
498	20:22:52.54	+38:36:13.4	14.30	2.98:	2.07:	1.29	0.60:	0.23:	0.57:	a-f
499*	20:22:52.63	+38:20:08.9	9.40	3.79	3.23	2.19	0.84	0.33	0.78	k0 III
500	20:22:52.71	+38:49:40.4	14.60		2.80:	1.93	0.99	0.37	0.88	b-a
501	20:22:52.81	+38:47:56.7	13.32	2.61	1.96	1.22	0.56	0.20	0.49	f2 IV-V
502	20:22:52.93	+38:10:19.5	14.90			1.82	0.95	0.36	0.79	a1 IV
503	20:22:52.95	+38:43:52.7	12.50	2.54	1.91	1.33	0.70	0.33	0.63	b, **
504	20:22:52.97	+38:28:20.9	14.70			2.78	1.25	0.46	1.16:	g8 III
505*	20:22:53.78	+38:39:57.4	13.08	2.39	1.87	1.12	0.56	0.18	0.55	b8 V
506*	20:22:54.31	+38:44:54.5	9.62	2.21	1.51	0.70	0.28	0.09	0.23	a1 IV
507	20:22:54.36	+38:44:22.7	14.12	3.30	2.57:	1.77	0.98	0.34	0.83	b6.5 V
508	20:22:54.43	+39:00:20.8	14.68			1.93	0.98	0.35	0.86	a-f
509	20:22:54.71	+38:16:14.3	11.44	2.32	1.80	1.19	0.51	0.18	0.51	f5 V
510	20:22:55.02	+39:01:11.5	13.52	2.95	2.40	1.67	0.76	0.28	0.71	f-g, **
511	20:22:55.08	+38:23:38.6	13.42:	2.91:	2.45:	1.68:	0.70:	0.28:	0.69:	g:
512	20:22:55.20	+38:22:45.2	14.87		2.55:	1.71	0.94	0.33	0.76	b7 V
513	20:22:55.21	+38:42:27.1	14.40	2.71:		1.48	0.71	0.28	0.62	f4 V
514	20:22:55.36	+38:26:19.2	14.94		2.32:	1.47	0.76	0.23	0.58	b9 IV
515	20:22:55.40	+38:33:26.4	14.43	3.15	2.33:	1.30	0.68	0.22	0.54	a0.5 V
516	20:22:55.77	+38:08:49.1	14.91			1.86	0.97	0.35	0.85	a2
517*	20:22:55.78	+38:07:59.7	10.92	2.22	1.54	0.74	0.29	0.11	0.26	a5 IV
518	20:22:55.95	+39:03:50.9	14.46			3.01	1.38	0.53	1.26	g9 IV
519	20:22:56.03	+38:51:51.9	14.68			1.80	0.92	0.30	0.77	a2 IV
520	20:22:56.13	+39:02:46.5	14.69			1.82	0.91	0.37	0.82	a-f
521	20:22:56.33	+38:54:15.6	14.58			1.84	1.01	0.38	0.85	b, **
522	20:22:56.36	+38:35:44.3	11.46	2.77	2.34	1.57	0.63	0.25	0.61	g7 V
523	20:22:56.59	+38:53:02.1	14.64			3.09	1.28	0.39	1.52	
524	20:22:56.62	+38:48:08.3	14.73			1.66	0.83	0.30	0.76	a-f
525	20:22:56.68	+38:57:40.1	13.70	2.48	2.00	1.39	0.59	0.22	0.63	f9 V
526*	20:22:56.70	+38:29:03.3	11.97	2.31:	1.83:	1.20	0.47	0.16:	0.52:	f, **
527	20:22:56.74	+38:50:56.4	13.63	2.75	2.38	1.27	0.85	0.32	0.60	
528	20:22:56.92	+38:36:17.6	11.26	2.08	1.65	1.10	0.58	0.20	0.51	b4 V
529	20:22:57.25	+38:18:24.6	12.48	3.18	2.41	1.77	0.99	0.38	0.79	b3
530	20:22:57.62	+38:53:20.9	13.72	2.76:		1.47	0.72	0.29	0.66	f, **
531	20:22:57.70	+38:00:20.9	13.68	2.68	2.25	1.50	0.58	0.23	0.64	g7 V
532	20:22:58.06	+38:04:52.2	13.07	2.43	1.94	1.32	0.57	0.22	0.56	f8 V
533	20:22:58.20	+38:35:17.7	14.61		2.66:	1.60	0.79	0.30	0.67	a3 IV
534	20:22:58.35	+38:58:37.3	13.15	3.24		1.88	0.69	0.36	0.78	k2 V
535	20:22:58.58	+39:04:05.1	14.54:			3.11:	1.57:	0.59:	1.22:	g:
536*	20:22:58.65	+38:44:24.2	13.23	2.53	1.95	1.31	0.62	0.20	0.57	f4 V
537	20:22:58.72	+38:54:31.2	14.90			2.62:	1.36	0.52	1.22	a, **
538	20:22:58.79	+39:04:27.1	13.92	3.92:	2.96:	2.06	1.02	0.36	0.91	f, **
539	20:22:58.82	+38:48:47.7	14.19	2.90	2.30:	1.61	0.73	0.28	0.68	f8 V
540	20:22:58.96	+39:07:40.1	13.93	3.05	2.27:	1.57	0.85	0.31	0.78	b7 IV
541	20:22:59.55	+38:30:00.2	12.14	2.38	1.94	1.29	0.55	0.21	0.55	g0 V
542	20:22:59.56	+38:17:08.6	14.76	3.00:	2.41:	1.62	0.82	0.26	0.74	f4 V
543	20:22:59.80	+38:30:59.0	14.09	5.20	4.36	3.03	1.33	0.54	1.20	k1 III-IV
544*	20:22:59.84	+38:25:42.3	12.59	3.71	2.68	1.63	0.79	0.27	0.67	a5 IV
545	20:23:00.29	+38:40:45.9	14.60	3.43:	2.48:	1.83	0.91	0.33	0.82	f-g
546	20:23:00.34	+38:37:26.4	12.05	2.21	1.75	1.19	0.51	0.18	0.51	f8 V
547	20:23:00.40	+38:32:50.4	15.74	3.40	2.57	1.62	0.83	0.31	0.65	a1 V
548	20:23:00.45	+38:18:34.1	14.79			1.91	0.99	0.32	0.91	a, **
549	20:23:00.67	+39:08:31.5	14.74			1.65	0.87	0.34	0.78	b9 IV
550	20:23:00.84	+38:29:21.7	13.28	2.66	2.25	1.48	0.62	0.23	0.60	g, **
551	20:23:00.91	+38:33:53.9	14.11	3.04	2.29	1.46	0.72	0.24	0.62	a-f
552	20:23:00.98	+38:34:17.7	14.87			1.79	0.83	0.32	0.78	f9 IV-V
553	20:23:01.33	+38:51:08.9	14.67			2.10	1.05	0.39	0.93	a-f, **
554	20:23:01.48	+38:58:55.0	15.00			1.77	0.80	0.32	0.73	g0 V
555	20:23:01.52	+38:19:08.5	14.58	3.03:	2.30:	1.63	0.81	0.28	0.76	f-g
556	20:23:02.01	+38:29:05.6	15.99	3.63	3.16	2.07	0.81	0.40	0.81	k2 V

Table 2. 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
557	20:23:02.25	+38:03:48.3	14.35	2.87	2.40:	1.63	0.67	0.28	0.68	g7 V
558	20:23:02.26	+38:29:29.5	15.17	3.04	2.46	1.68	0.76	0.29	0.70	f9 IV-V
559*	20:23:02.88	+38:27:20.9	9.33	1.84	1.45	1.08	0.61	0.20	0.54	b1 III
560	20:23:02.94	+38:20:16.4	14.38	3.13:	2.49:	1.76	0.81	0.28	0.83:	f, **
561	20:23:03.08	+38:29:44.2	14.25	2.59	2.06	1.42	0.65	0.23	0.61	f7 V
562	20:23:03.21	+38:33:14.1	14.48	3.51	2.59	1.59	0.78	0.27	0.66	a5 V
563	20:23:03.31	+38:35:02.4	14.64	5.43	4.65	3.21	1.41	0.56	1.26	k1 III
564	20:23:03.32	+38:42:51.7	12.47	2.47	1.95	1.34	0.60	0.22	0.55	f6 V
565*	20:23:03.47	+38:41:20.9	12.76	2.67	1.93	1.25	0.65	0.23	0.57	b7 III
566	20:23:03.49	+38:30:10.1	16.31	3.78	3.15	2.23	0.98	0.40	0.89	g8 V
567	20:23:03.60	+39:04:20.1	14.87			1.50	0.86	0.31	0.72	b0
568	20:23:03.72	+39:00:47.0	13.75	3.33	2.42:	1.66	0.87	0.32	0.78	
569	20:23:04.06	+39:08:05.3	13.41	2.46	1.88	1.25	0.56	0.20	0.54	f4 IV
570	20:23:04.17	+38:05:57.4	14.90			2.02	1.02	0.40	0.93	a-f
571	20:23:04.27	+38:09:26.6	13.95	3.06	2.36:	1.66	0.87	0.31:	0.93	b, **
572	20:23:04.41	+38:06:55.5	13.04	3.08	2.26	1.51	0.70	0.26	0.65	f3 III
573	20:23:04.48	+39:05:10.7	13.53	2.52:	2.00	1.37	0.62	0.22	0.60	f6 V
574	20:23:04.53	+38:24:00.0	13.95	3.80	2.73:	1.75	0.91	0.30	0.71	a0 V
575*	20:23:04.69	+38:32:36.5	12.02	2.18	1.69	1.10	0.57	0.20	0.48	b5 IV
576	20:23:04.70	+38:26:57.5	12.00	2.25	1.75	1.21	0.64	0.21	0.55	b3 V
577	20:23:04.75	+38:23:22.2	14.21	3.33:	2.50:	1.71	0.89	0.32	0.80	
578*	20:23:04.76	+38:45:15.7	9.05	1.77	1.21	0.46	0.17	0.04	0.14	b9.5 V
579	20:23:04.87	+39:04:22.4	14.97			1.64	0.86	0.28	0.68:	b9 V
580	20:23:05.23	+38:26:46.7	12.67		2.70:	1.60	0.78	0.27	0.67:	a5 IV
581	20:23:05.47	+38:26:33.3	15.88	3.48	2.77	1.98	0.96	0.35	0.81	f4 IV-V
582	20:23:05.48	+38:07:47.0	14.58	3.03	2.41:	1.74	0.83	0.32	0.77	f6 V
583	20:23:05.48	+38:43:49.1	13.05	4.59:	3.89:	2.70	1.23	0.47	1.12	g8 III-IV
584	20:23:05.63	+39:00:01.6	13.96	2.82	2.26:	1.53	0.68	0.25	0.64	f8 IV-V
585	20:23:05.68	+39:08:15.6	13.62	2.39	1.85	1.27	0.56	0.21	0.54	f5 V
586	20:23:05.78	+38:08:59.1	11.88	2.21	1.63	1.00	0.43	0.16	0.41	f2 IV-V
587*	20:23:05.86	+38:25:46.7	13.64	2.86	2.19	1.45	0.76	0.27	0.65	b7 IV
588	20:23:05.92	+38:18:45.7	14.54	2.82	2.49:	1.62	0.69	0.24:	0.70	
589	20:23:06.05	+38:30:12.1	16.04	3.59	2.90	2.03	0.93	0.35	0.83	g1 IV
590	20:23:06.69	+38:49:15.6	10.60	2.03	1.61	1.15	0.62	0.22	0.56	b2 IV-V
591	20:23:06.76	+38:32:01.6	13.15	2.73	2.27	1.58	0.65	0.26	0.65	g5 V
592	20:23:06.95	+39:03:49.9	14.61		2.52:	1.79	0.91	0.33	0.78	f5: V
593	20:23:06.99	+38:54:52.8	13.46	3.29	2.76:	1.95	0.88	0.34	0.82	g5 IV
594	20:23:07.02	+38:57:35.3	14.65	2.96	2.46:	1.61	0.75	0.26	0.71	f-g
595	20:23:07.06	+38:04:25.5	13.30	3.20:	2.35:	1.43:	0.64	0.22:	0.60:	a7 IV
596	20:23:07.09	+38:56:46.6	11.99	4.55	3.54	2.54	1.20	0.44	1.12	f8 I
597	20:23:07.20	+38:28:58.5	15.07	3.64	2.96	2.14	0.99	0.38	0.88	g0 IV
598	20:23:07.21	+38:53:53.4	13.22			3.64	1.63	0.68	1.49	k2 III-IV
599*	20:23:07.23	+39:05:33.2	10.14	1.82	1.18	0.53	0.23	0.09	0.15	b9 III
600	20:23:07.24	+38:02:30.8	13.51	2.52	1.98	1.32	0.60	0.23	0.57	f4 V
601	20:23:07.39	+39:09:34.4	14.18	2.38	1.85	1.27	0.55	0.15	0.65	f7 V
602	20:23:07.43	+38:56:22.2	14.28	3.40:	2.93:	1.94	0.76	0.35	0.75	k1 V
603	20:23:07.59	+38:36:20.6	13.45	2.65	2.25	1.50	0.62	0.24	0.61	g5 V
604	20:23:07.72	+38:32:20.7	16.51	3.70:	3.11	2.20	0.98	0.38	0.90	g8 V
605	20:23:07.94	+38:29:03.2	15.78	3.51	2.76	2.00	0.96	0.34	0.93	f6 V
606	20:23:08.01	+38:47:25.5	14.66		2.69:	2.00	1.02	0.36	0.91	f8, sd:
607	20:23:08.09	+39:01:08.5	14.14	3.51:	2.55:	1.65	0.85	0.31	0.72	b9 IV
608	20:23:08.22	+38:01:07.8	12.29	2.95	2.13	1.22	0.59	0.23	0.52	a0 V
609	20:23:08.23	+38:04:28.1	12.00	3.19	2.28:	1.32	0.60	0.24	0.56	a5 III
610*	20:23:08.47	+38:46:20.8	10.38	3.15	2.62	1.76	0.71	0.26	0.69	g6 III-IV
611	20:23:08.58	+38:30:14.4	16.27	3.93:	2.97	2.30	1.31	0.43	1.12	b
612	20:23:09.21	+38:37:11.0	15.11	3.25	2.78	1.82	0.77	0.34	0.75	g, **
613	20:23:09.32	+38:35:20.4	14.21	3.78	2.79	1.91	0.94	0.34	0.85	f3 III
614	20:23:09.33	+38:26:18.2	15.50	2.97	2.44	1.72	0.78	0.29	0.71	g0 V
615	20:23:09.41	+38:29:02.3	15.01	3.15	2.76	1.96	0.92	0.31	0.82	f9 IV
616	20:23:09.46	+39:01:23.2	14.79		2.55:	1.76	0.94	0.32	0.73	b7 IV-V
617	20:23:09.52	+39:02:31.9	14.78			3.04:	1.34	0.59	1.20:	k2 V:
618	20:23:09.55	+39:05:51.7	13.79			2.70	1.29	0.49	1.18	g3

Table 2. 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
619	20:23:09.63	+38:53:12.8	14.73			1.97	1.07	0.37	0.88	b8
620	20:23:09.65	+38:33:29.4	15.44	3.46	2.61	1.61	0.79	0.28	0.68	a5 V
621	20:23:09.65	+38:41:38.4	14.16	2.60	2.23:	1.49	0.64	0.25	0.64	g4 V
622	20:23:09.80	+38:47:24.3	14.38			3.27:	1.44	0.55	1.24	k1 III
623	20:23:09.86	+39:00:07.1	11.06	2.76	2.17	1.66	0.91	0.32	0.81	b2 IV
624	20:23:10.33	+38:48:29.2	14.90			1.83	0.92	0.37	0.87	a-f
625	20:23:10.55	+38:51:18.2	12.49	2.93	2.27	1.64	0.90	0.33	0.77	b4 IV-V
626	20:23:10.68	+38:35:09.7	14.52	3.32	2.42	1.39	0.69	0.24	0.57	a1 V
627*	20:23:10.83	+39:09:44.4	9.93	2.89	2.25	1.78	0.97	0.36	0.78	b2 III
628	20:23:10.86	+38:36:07.2	13.15	3.71	2.91	2.04	0.99	0.37	0.95	f, **
629	20:23:11.13	+38:25:05.6	15.29	3.22	2.68	1.83	0.80	0.31	0.77	g4 IV-V
630	20:23:11.21	+38:32:08.2	16.53	3.75:	2.85	1.95	0.97	0.36	0.84	f1 IV
631	20:23:11.50	+38:30:21.6	13.80	2.56	2.14	1.45	0.64	0.24	0.62:	g, **
632	20:23:11.52	+38:49:54.5	14.82			1.83	0.96	0.31	0.80	a0 V
633*	20:23:11.65	+38:41:46.3	14.95		2.54:	1.55	0.79	0.27	0.70	a0 IV:
634	20:23:11.66	+38:50:53.8	13.34	2.35	1.95	1.34	0.57	0.21	0.57	g0 V
635*	20:23:11.78	+38:40:41.4	10.81	2.13	1.62	0.96	0.40	0.14	0.38	f, **
636	20:23:11.80	+38:32:15.9	13.38	3.01	2.61	1.75	0.66	0.30	0.69	k1 V
637	20:23:11.87	+38:13:00.1	14.57	2.81	2.40:	1.62	0.69	0.30	0.64	g6 V
638	20:23:11.93	+38:24:20.5	13.68	2.52	2.10	1.46	0.61	0.23	0.59	g2 V
639	20:23:12.07	+38:31:29.1	11.73	2.15	1.70	1.16	0.51	0.18	0.51	f5, sd:
640	20:23:12.17	+38:31:12.5	14.69	3.79	2.79:	2.00	1.00	0.35	0.86:	
641	20:23:12.18	+38:25:34.9	15.54	3.37	2.64	1.84	0.90	0.33	0.80	f2 IV-V
642	20:23:12.21	+38:34:29.8	10.46	2.36	1.95	1.34	0.55	0.20	0.55	g1 V
643	20:23:12.26	+38:22:23.0	11.90	3.57	3.00	2.01	0.89	0.32	0.77	g7
644	20:23:12.32	+38:25:54.9	16.40	3.58	2.72	1.93	0.96	0.35	0.84	f4 III-IV
645	20:23:12.41	+38:39:38.1	11.30	5.80	4.85:	3.45	1.46	0.55	1.28	k0 I-II
646	20:23:12.48	+38:47:27.9	13.43	2.48	1.91	1.26	0.67	0.25	0.55	b6 V
647	20:23:12.54	+38:31:51.1	14.48	2.60	2.13	1.48	0.65	0.23	0.62	g0 V
648	20:23:12.55	+38:09:17.6	14.53			3.08	1.45	0.56	1.31	g8 IV
649	20:23:12.81	+38:13:36.9	12.40	2.44	2.01	1.37	0.58	0.23	0.57	g, **
650	20:23:13.00	+38:58:06.5	14.32	2.70	2.34:	1.55	0.67	0.26	0.65	g4 V
651	20:23:13.35	+38:52:04.1	14.01	3.32	2.39:	1.62	0.84	0.33	0.76	b8 III
652	20:23:13.63	+38:54:51.7	14.04	3.90:	2.93:	2.12	1.10	0.41	0.94	
653	20:23:13.84	+38:23:41.2	15.98	3.86	3.06	2.38	1.35	0.50	1.14	b2 III-IV
654	20:23:13.87	+38:40:42.8	14.54		2.60:	1.67	0.85	0.29	0.75:	a
655	20:23:13.91	+38:17:37.8	14.66		3.52:	2.80:	1.52:	0.56:	1.34:	b
656	20:23:14.06	+38:27:03.2	16.53	3.60:	2.82	2.02	0.94	0.35	0.90	f8 IV-V
657	20:23:14.78	+38:30:02.7	16.82	3.47:	2.85	2.07	0.96	0.37	0.91	g2 V
658	20:23:14.78	+38:34:11.8	14.81:			2.76:	1.16:	0.57:	1.26:	k:
659	20:23:14.86	+38:23:58.5	15.73	3.30	2.84	1.93	0.78	0.36	0.79	k0 V
660	20:23:14.98	+38:17:34.8	13.42:	2.63:	2.14:	1.43:	0.62:	0.23:	0.59:	f:
661	20:23:14.98	+38:25:54.2	16.95	3.38:	2.81	2.02	0.90	0.35	0.82	g4 V
662	20:23:15.42	+38:33:32.8	14.87	4.63	3.94	2.75	1.17	0.47	1.06	k0 III
663	20:23:15.50	+38:31:15.5	16.70	3.46:	2.90	2.07	0.93	0.32	0.90	g6 V
664	20:23:15.68	+38:48:06.5	13.99	3.74	2.58:	1.62	0.77	0.28	0.72:	f, **
665	20:23:15.84	+38:06:25.5	12.97	3.88	3.17	2.22	0.98	0.39	0.92	g, **
666	20:23:15.84	+38:40:26.0	14.85:		2.63:	1.85:	0.88:	0.31:	0.80:	f:
667	20:23:15.91	+38:27:10.6	16.44	3.58	2.83	1.99	0.97	0.37	0.81	f3 V
668	20:23:15.91	+38:46:08.2	14.29			3.09	1.44	0.52	1.28	g, **
669	20:23:15.98	+38:18:45.8	14.37			2.48	1.42	0.44	1.39	b1
670	20:23:16.05	+38:50:42.1	14.17	3.69:		2.25	0.79	0.47	0.84	k4 V
671	20:23:16.25	+39:00:18.6	12.91	2.58	1.90	1.29	0.58	0.21	0.55	f1 IV
672	20:23:16.49	+38:27:53.9	13.95	2.83	2.11	1.31	0.68	0.25	0.58	b8 IV-V
673	20:23:16.49	+38:44:15.6	13.97	3.18	2.29:	1.52	0.81	0.27	0.74	b8 III-IV
674	20:23:17.54	+38:37:53.0	14.17	2.63	2.10	1.52	0.66	0.26	0.60	f9 V
675	20:23:17.62	+38:50:12.0	12.06	2.71	2.06	1.44	0.78	0.26	0.68	b5 III
676*	20:23:17.80	+38:24:36.5	13.69	5.17	4.29	3.01	1.33	0.51	1.18	k0 III
677	20:23:17.86	+38:27:35.9	14.12	2.96	2.13	1.28	0.66	0.23	0.54	b9 III-IV
678	20:23:17.89	+38:30:50.7	15.67	3.19	2.66	1.83	0.80	0.32	0.73	g5 V
679	20:23:17.93	+38:36:32.7	16.34	3.85:	2.89	1.94	0.97	0.34	0.85	f0 III-IV
680	20:23:17.94	+39:01:05.1	14.56	2.80	2.36:	1.58:	0.70	0.27		g

Table 2. 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
681	20:23:18.55	+38:25:31.9	16.14	3.64	2.77	1.97	0.94	0.35	0.84	f
682	20:23:18.55	+38:36:26.4	16.02	3.29	2.59	1.87	0.89	0.33	0.83	f, **
683*	20:23:18.70	+38:23:18.0	10.82	2.44	1.81	1.05	0.39	0.13	0.33	a pec
684	20:23:18.81	+38:36:38.3	15.41	3.54	2.61	1.54	0.77	0.28	0.62	a3 V
685	20:23:18.86	+38:07:11.2	14.67			2.27	1.22	0.42	1.06	b-a
686	20:23:18.88	+38:34:29.1	16.20	3.61	2.92	2.14	1.05	0.39	0.95	f8 V
687	20:23:18.90	+38:24:02.3	15.86	3.30	2.81	1.92	0.81	0.36	0.76	g9 V
688	20:23:18.90	+38:26:15.7	15.74	4.07	3.36	2.35	1.06	0.42	0.96	g7 IV
689	20:23:19.02	+38:41:49.2	13.28	2.48	2.02	1.36	0.61	0.20	0.57	f8 V
690	20:23:19.28	+38:52:16.2	14.93			1.90	0.97	0.36	0.88	a-f
691	20:23:19.35	+38:28:30.4	15.46	3.63	2.79	1.95	0.96	0.33	0.87	f2 IV
692	20:23:19.51	+38:38:02.5	14.31	3.15	2.31	1.49	0.80	0.27	0.65	b8 V
693	20:23:19.80	+39:04:04.7	14.02			3.20	1.59	0.63	1.59	g, **
694	20:23:19.83	+38:52:35.7	14.87	2.79	2.15	1.54	0.68	0.19	0.80	
695	20:23:20.21	+38:34:31.6	14.85	3.62	2.77	1.91	0.95	0.36	0.86	f2 IV-V
696	20:23:20.43	+38:25:44.2	15.20	3.53	2.62	1.59	0.78	0.27	0.66	a3 V
697	20:23:20.62	+38:37:04.9	13.21	3.02	2.25	1.46	0.78	0.27	0.66	b8 V
698	20:23:21.07	+38:33:40.2	16.16	3.54	2.69	1.90	0.93	0.30	0.87	f
699	20:23:21.13	+38:48:08.8	14.92			1.96	0.97	0.36	0.92	f
700	20:23:21.20	+38:51:48.1	13.88	2.43	1.88	1.41	0.61	0.21	0.37	f-g
701	20:23:21.39	+38:55:36.9	14.25	3.24	2.35	1.63	0.82	0.32	0.73	**
702*	20:23:21.40	+38:34:50.3	12.90	3.36	2.40	1.40	0.69	0.24	0.57	a2 IV
703	20:23:21.70	+38:00:06.7	11.78	3.41	2.96	2.09	0.83	0.40	0.85	k3 V
704	20:23:22.08	+38:24:38.2	13.63	2.42	1.90	1.32	0.60	0.22	0.58	f6, sd
705	20:23:22.23	+38:09:53.5	14.47		2.74	1.89	1.06	0.40	0.91	b7
706*	20:23:22.30	+39:01:56.9	10.46	2.20	1.74	1.36	0.74	0.28	0.62	b2 III
707	20:23:22.60	+38:36:08.1	13.76	2.73	2.29	1.58	0.64	0.26	0.63	g7 V
708*	20:23:22.76	+38:33:05.4	11.45	2.40	1.86	1.21	0.53	0.18	0.51	f5 V
709	20:23:22.87	+38:30:49.5	15.03	2.87	2.39	1.64	0.70	0.26	0.69	g5 V
710	20:23:22.89	+38:34:46.8	13.65	3.03	2.24	1.41	0.73	0.25	0.63	b8.5 V
711	20:23:22.93	+38:43:32.4	14.64			1.94	0.98	0.33	0.90	
712	20:23:23.14	+38:37:12.1	14.97	3.22	2.39	1.44	0.74	0.26	0.61	b9.5 V
713	20:23:23.14	+38:55:00.8	14.01	3.38	2.58	1.83	0.99	0.37	0.83	b6 IV
714*	20:23:23.29	+38:58:42.2	10.05	2.39	1.65	0.88	0.33	0.11	0.30	a, **
715	20:23:23.31	+39:04:00.9	12.97	2.84	2.09	1.76	0.79	0.28	0.66	
716	20:23:23.43	+38:34:32.8	15.05	5.14	4.24	3.04	1.36	0.52	1.24	g9 III
717	20:23:23.43	+38:53:50.1	14.80			1.82	0.95	0.32	0.85	
718	20:23:23.48	+38:10:48.8	13.98	2.96	2.52	1.66	0.70	0.29	0.72	g
719	20:23:23.63	+38:20:13.5	13.42	2.90	2.46	1.67	0.66	0.27	0.67	g8 V
720	20:23:23.70	+38:33:28.4	15.09	3.48	2.56	1.53	0.78	0.27	0.62	a1 V
721	20:23:23.98	+38:29:51.1	15.62	3.82	2.86	1.85	0.89	0.31	0.78	a, **
722	20:23:23.98	+38:32:09.7	15.04	3.22	2.84	1.89	0.70	0.34	0.76	k1 V
723*	20:23:23.99	+38:31:20.2	12.91	5.07	4.22	2.93	1.28	0.48	1.15	g9.5 III
724	20:23:24.17	+38:05:19.0	13.47	3.24	2.33	1.60	0.79	0.28	0.71	b-a
725	20:23:24.26	+38:32:36.0	15.32	3.88	2.89	1.90	0.93	0.32	0.84	a8 IV
726*	20:23:24.51	+38:26:19.2	13.48	2.87	2.22	1.51	0.70	0.26	0.65	f4 V
727	20:23:24.53	+38:37:29.1	15.89	4.42	3.68	2.63	1.24	0.46	1.13	g6 IV-V
728	20:23:24.58	+38:30:02.9	14.36	2.64	2.21	1.52	0.68	0.26	0.64	g2 V
729	20:23:24.64	+38:43:58.1	12.81	3.86	3.31	2.20	0.85	0.38	0.82	k1 IV
730*	20:23:25.20	+38:24:56.4	13.16	5.25	4.40	3.08	1.33	0.51	1.19	k0.5 III
731	20:23:25.27	+38:30:21.8	16.02	4.01	3.21	2.32	1.11	0.41	0.98	f9 IV-V
732	20:23:25.47	+38:33:54.4	14.68	3.44	2.51	1.52	0.78	0.28	0.65	a0 V
733	20:23:25.56	+38:15:41.7	13.69	2.70	2.30	1.52	0.66	0.26	0.64	g3
734	20:23:25.60	+38:32:33.9	14.34	5.03	4.20	2.88	1.27	0.52	1.16	k0 III-IV
735	20:23:25.67	+38:58:03.0	13.53	3.20	2.35	1.68	0.90	0.33	0.78	b, **
736	20:23:25.71	+38:24:00.5	14.80	3.77	2.74	1.67	0.83	0.28	0.70	a4 IV
737	20:23:26.02	+39:06:29.5	13.54	3.31	2.70	1.91	0.84	0.31	0.82	g5 IV
738*	20:23:26.05	+38:36:14.4	11.04	2.05	1.65	1.22	0.68	0.25	0.57	b1.5 IV
739*	20:23:26.31	+38:56:21.0	8.38	2.23	1.76	1.38	0.78	0.28	0.69	b2
740	20:23:26.61	+38:23:55.0	15.57	3.86	2.87	1.81	0.87	0.30	0.73	a5 IV-V
741	20:23:26.65	+38:08:12.5	14.46	2.88	2.48	1.66	0.68	0.27	0.71	g, **
742	20:23:26.71	+38:40:41.5	16.01	4.07	3.63	2.43	0.90	0.61	0.92	k7: V

Table 2. 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
743	20:23:27.08	+38:27:36.7	13.72	2.68	2.18	1.49	0.63	0.23	0.62	g2 V
744	20:23:27.12	+39:04:11.2	12.21	2.80	2.09	1.52	0.81	0.26	0.73	
745	20:23:27.26	+38:57:45.2	12.38	3.02	2.23	1.45	0.75	0.28	0.67	b8 IV
746	20:23:27.27	+38:44:09.4	14.12	2.45	1.99	1.40	0.61	0.21	0.59	f9 V
747*	20:23:27.51	+38:16:58.0	13.62	3.47	2.67	1.99	1.06	0.35	0.93	
748	20:23:27.62	+38:31:37.2	15.17	2.96	2.48	1.68	0.71	0.28	0.70	g6 V
749	20:23:27.77	+38:40:50.8	14.91	4.35	3.27	2.26	1.15	0.42	1.02	f2 III
750*	20:23:27.87	+38:29:00.6	12.61	2.47	1.84	1.07	0.45	0.16	0.39	a9 V
751	20:23:28.23	+38:05:02.4	13.90	3.34		1.90	0.73	0.33	0.75	k1 V
752	20:23:28.26	+38:33:26.6	17.32	4.33	3.59	2.52	1.23	0.45	1.07	g2
753	20:23:28.28	+38:32:35.8	17.22	4.57	3.98	2.87	1.09	0.62	1.12	k7 V
754	20:23:28.40	+38:47:14.8	12.29	2.29	1.81	1.27	0.55	0.20	0.54	f9 V
755	20:23:28.45	+38:31:26.1	13.80	3.54	2.57	1.60	0.80	0.27	0.68	a5:
756*	20:23:28.59	+38:19:56.4	11.61	2.43	1.75	0.88	0.37	0.13	0.32	a5 V
757	20:23:28.74	+39:05:25.7	13.73			3.67	1.57	0.61	1.39	k2 III
758	20:23:29.05	+38:29:12.8	14.73	3.30	2.40	1.40	0.70	0.24	0.57	a1 V
759	20:23:29.09	+38:30:50.6	17.90	4.73	3.88	2.76	1.34	0.48	1.20	g2 IV
760	20:23:29.10	+38:30:06.2	16.94	3.87	3.03	2.21	1.09	0.36	0.94	f, **
761	20:23:29.14	+38:33:49.8	15.45	4.83	3.63	2.63	1.45	0.48	1.29	b-a, **
762	20:23:29.17	+38:26:31.1	17.73	4.25	3.31	2.45	1.18	0.44	1.06	f-g
763	20:23:29.35	+38:35:38.3	17.98	4.34	4.29	2.89	1.37	0.48	1.25	g-k
764	20:23:29.42	+38:27:02.6	18.99			3.02	1.41	0.53	1.31	g8 IV
765	20:23:29.44	+38:34:55.0	14.18	3.15	2.32	1.50	0.80	0.27	0.66	b8 V
766	20:23:29.46	+38:22:53.7	15.64	3.98	2.98	1.87	0.97	0.36	0.72	a2 V
767	20:23:29.59	+38:24:09.6	15.89	3.86	2.89	1.95	0.95	0.34	0.86	f2 III
768	20:23:29.66	+38:38:43.2	15.32	3.87	2.91	1.84	0.92	0.35	0.78	a5 IV-V
769	20:23:29.70	+38:32:10.5	17.48	4.30	3.61	2.56	1.02	0.47	1.03	k1 IV
770	20:23:29.72	+38:35:19.7	14.41	3.48	2.52	1.58	0.83	0.29	0.69	b, **
771	20:23:29.76	+38:28:14.7	15.28	3.19	2.79	1.90	0.73	0.36	0.76	k1 V
772	20:23:29.81	+38:04:54.0	14.10	2.76	2.24	1.60	0.73	0.29	0.71	g0 V
773	20:23:29.86	+38:27:37.8	14.75	3.25	2.39	1.45	0.73	0.26	0.59	b9.5 V
774	20:23:29.92	+38:31:36.0	14.88	3.75	2.96	2.10	1.01	0.36	0.91	f5 IV-V
775	20:23:29.94	+38:30:05.0	14.12	3.03	2.23	1.42	0.76	0.26	0.65	b8 V
776	20:23:29.95	+38:40:46.0	14.82	4.27	3.35	2.40	1.22	0.46	1.10	f3 V
777	20:23:30.03	+38:29:03.5	17.42	6.00	4.79	3.45	1.72	0.62	1.63	
778	20:23:30.17	+38:30:38.4	17.29	4.57	3.66	2.68	1.31	0.47	1.18	f9 IV
779	20:23:30.21	+38:26:03.1	17.55	3.75		2.19	1.07	0.32	0.95	f
780	20:23:30.28	+38:33:00.0	15.99	3.89	2.98	2.00	1.00	0.35	0.87	a0 V
781	20:23:30.30	+38:59:44.9	14.68	3.11:		1.83	0.75	0.36	0.71	g, **
782	20:23:30.57	+38:54:56.7	14.00	2.72	2.10	1.46	0.67	0.23	0.60	f5 V
783	20:23:30.69	+38:30:24.9	17.43	4.45	3.98	2.77	1.03	0.58	1.06	k5 V
784	20:23:30.75	+39:03:24.0	14.62		2.41:	1.58	0.88	0.30	0.72	b8: V
785	20:23:30.85	+38:35:50.9	15.25	2.62	2.12	1.51	0.69	0.26	0.64	f8 V
786	20:23:30.95	+38:26:10.6	19.14	4.20:	3.10:	2.54	1.21	0.47	1.17	g
787	20:23:31.04	+38:55:27.3	12.23	2.33	1.88	1.30	0.55	0.20	0.56	f9 V
788	20:23:31.06	+38:28:01.0	18.29	4.08	3.52:	2.44	1.16	0.41	1.07	g5 V
789	20:23:31.13	+38:36:36.7	15.02	5.30	4.50	3.16	1.40	0.57	1.25	k1 III-IV
790	20:23:31.23	+38:05:23.8	12.90	3.46	2.66	1.98	1.10	0.41	0.93	b3 IV
791	20:23:31.26	+38:31:10.8	18.50	4.35:	3.82:	2.63	1.19	0.47	1.06	g-k
792	20:23:31.45	+38:30:55.2	17.98	4.55	3.83:	2.73	1.14	0.53	1.09	k2.5 V
793	20:23:31.49	+38:08:30.8	13.55	2.69	2.23	1.53	0.65	0.26	0.65	g3 V
794	20:23:31.50	+38:29:57.3	17.51	4.57	3.87:	2.68	1.36	0.52	1.22	g
795	20:23:31.56	+38:26:50.8	15.36	3.72	2.86	1.98	0.97	0.34	0.90	f1 V
796	20:23:31.70	+38:41:06.4	15.84	4.51:	3.75	2.67	1.28	0.49	1.14	g, **
797	20:23:31.71	+38:41:54.5	13.43	3.06	2.23	1.56	0.84	0.28	0.71	b6 IV
798	20:23:31.79	+38:35:40.7	16.69	4.40	3.13	2.27	1.13	0.38	1.00	f5 IV
799	20:23:31.81	+38:48:30.3	14.70	2.96:	2.30:	1.63	0.80	0.30	0.72	f5 V
800	20:23:31.97	+38:58:11.2	13.68	3.22	2.30	1.41	0.71	0.27	0.62	b9 III
801	20:23:32.16	+38:32:15.4	17.08	3.98	3.11	2.18	1.11	0.38	0.96	f0 V
802	20:23:32.18	+38:50:32.9	14.43		2.58:	1.71	0.93	0.31	0.79	b, **
803	20:23:32.19	+38:59:15.5	14.17		3.00:	2.10	1.08	0.37	0.97	f2 V
804	20:23:32.33	+38:25:46.1	18.60	4.72:	3.75:	2.98	1.38	0.51	1.29	g

Table 2. 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
805	20:23:32.46	+39:02:16.8	14.47	2.69	2.12	1.51	0.68	0.26	0.65	f, **
806	20:23:32.49	+38:30:19.2	14.55	3.40	2.50	1.62	0.84	0.30	0.70	b, **
807	20:23:32.71	+38:38:11.0	16.36	3.75	3.14	2.16	0.92	0.41	0.85	g9 V
808	20:23:32.72	+38:29:13.1	17.34	4.22	3.51	2.56	1.18	0.46	1.12	g8 V
809	20:23:32.88	+38:24:09.8	14.03	3.37	2.91	1.98	0.87	0.34	0.93	g, **
810	20:23:33.02	+38:52:16.9	14.75			1.70	0.95	0.31	0.86	b
811	20:23:33.26	+38:32:20.3	17.50	4.03	3.18	2.31	1.17	0.40	1.03	f5 V
812	20:23:33.33	+38:26:20.1	14.64	3.39	2.52	1.54	0.78	0.26	0.65	a1 V
813	20:23:33.38	+38:28:49.1	14.47	3.47	2.67	1.90	0.93	0.34	0.83	f5 IV
814	20:23:33.57	+38:34:33.6	17.39	4.19	3.33	2.48	1.22	0.45	1.06	f7 V
815	20:23:33.60	+38:31:55.2	17.49	4.03	3.18	2.28	1.14	0.29	1.05	
816	20:23:33.63	+38:32:05.1	18.23			2.95	1.58	0.56	1.33	a3 V
817*	20:23:33.64	+38:51:30.9	10.99	3.92	3.28	2.25	0.89	0.35	0.81	g9 III
818	20:23:33.65	+38:33:24.9	17.12	4.10	3.23	2.30	1.17	0.41	1.01	f2 V
819	20:23:33.71	+38:30:44.8	15.21	3.66	2.74	1.62	0.81	0.28	0.66	a3 V
820*	20:23:33.73	+38:27:30.5	11.96	2.54	1.94	1.30	0.68	0.23	0.59	b6 V
821	20:23:33.74	+38:43:10.9	14.27	2.61	2.20	1.51	0.65	0.23	0.62	g2 V
822*	20:23:33.76	+38:53:40.6	10.96	2.98	2.21	1.62	0.90	0.28	0.76	b8 I:
823	20:23:33.91	+38:30:10.3	16.02	3.59	2.77	1.95	0.94	0.33	0.86	f4 IV
824	20:23:33.92	+38:35:34.3	16.22	4.08	3.15	2.29	1.15	0.40	1.01	f4 IV
825	20:23:34.25	+38:27:20.5	18.01	3.88	3.18	2.05	1.04	0.32	1.02	
826	20:23:34.25	+38:29:29.3	18.13	3.73	3.08	2.08	1.16	0.31	1.05	
827	20:23:34.29	+38:28:55.7	18.31	4.34	3.57	2.56	1.21	0.47	1.09	g3 IV
828	20:23:34.41	+38:40:55.8	15.70	4.14	3.25	2.32	1.16	0.41	1.01	f3 V
829	20:23:34.49	+38:26:59.8	18.79	4.76		2.73	1.27	0.50	1.17	g9 V
830	20:23:34.58	+38:32:47.8	19.05	4.64		2.94	1.30	0.55	1.37	
831	20:23:34.59	+38:28:17.6	17.76	4.17	3.24	2.40	1.20	0.41	1.08	
832	20:23:34.59	+39:09:09.5	14.91			1.77	0.86	0.32	0.82	f
833	20:23:34.61	+38:58:06.4	14.56		2.72	1.78	0.92	0.30	0.80	b-a
834	20:23:34.73	+38:28:37.6	19.42	3.98		2.64	1.30	0.49	1.18	g0:
835*	20:23:34.82	+39:05:11.2	9.86	3.54	2.99	2.04	0.78	0.30	0.72	g8.5 III
836	20:23:34.98	+38:30:35.8	15.44	3.44	2.62	1.84	0.91	0.31	0.82	f3 III-IV
837	20:23:35.03	+38:20:54.8	14.50	3.25	2.43	1.70	0.93	0.31	0.83	b6 IV
838	20:23:35.12	+38:33:15.7	17.54	4.46	3.66	2.62	1.24	0.48	1.09	g5 IV
839	20:23:35.16	+38:29:07.6	18.84	4.64		3.05	1.17	0.50	1.25	k
840	20:23:35.26	+38:34:41.0	18.04	4.67	4.12	2.70	1.20	0.53	1.08	k
841	20:23:35.35	+38:32:03.0	19.02			2.99	1.40	0.52	1.42	g
842*	20:23:35.46	+38:52:56.6	8.75	2.37	1.88	1.48	0.82	0.29	0.73	b1 III
843	20:23:35.59	+38:36:56.6	15.07	3.71	2.92	2.08	1.03	0.38	0.90	f3 IV-V
844	20:23:35.66	+38:30:05.9	17.08	4.28	3.54	2.48	1.14	0.43	1.02	g5 III
845	20:23:35.66	+38:49:39.5	12.79	3.31	2.46	1.73	0.92	0.32	0.83	b7 IV:
846	20:23:35.81	+38:49:52.8	13.24	3.19	2.35	1.68	0.93	0.34	0.82	b
847	20:23:35.86	+38:35:18.6	14.49	3.38	2.45	1.58	0.85	0.29	0.67	b8 IV
848	20:23:35.90	+38:31:36.6	16.72	3.87	3.12	2.24	1.10	0.36	1.00	f6 IV-V
849	20:23:36.02	+38:57:55.1	13.10	3.57	2.94	2.04	0.88	0.34	0.84	g5 IV
850	20:23:36.08	+38:32:11.7	18.69	4.31	3.38	2.57	1.28	0.46	1.10	
851	20:23:36.23	+38:34:06.9	17.24	4.12	3.19	2.36	1.19	0.42	1.05	f-g
852	20:23:36.45	+38:28:12.4	16.52	3.97	2.99	2.01	0.99	0.33	0.85	a8 IV
853	20:23:36.66	+38:34:28.8	14.59	2.61	2.17	1.52	0.67	0.25	0.64	g1 V
854	20:23:36.69	+38:30:29.2	14.11	2.74	2.06	1.35	0.68	0.29	0.67	b8 IV, p:
855	20:23:36.71	+38:23:43.2	14.99	2.78	2.23	1.58	0.76	0.29	0.68	f6 V
856	20:23:36.72	+38:34:49.1	15.95	4.52	3.69	2.68	1.24	0.46	1.12	g5 III
857	20:23:36.78	+38:32:01.4	18.73	4.60	3.88	2.72	1.29	0.50	1.13	g8 V
858	20:23:36.84	+38:31:11.2	16.60	3.98	3.11	2.09	1.06	0.37	0.92	a7 V
859	20:23:36.87	+38:25:52.2	14.75	5.20	4.30	3.06	1.39	0.50	1.26	g8 III
860	20:23:36.91	+38:36:29.9	15.23	3.05	2.63	1.77	0.71	0.31	0.71	g-k, **
861	20:23:36.93	+38:26:41.6	18.18	4.31	3.61	2.65	1.08	0.56	1.06	k3 V
862	20:23:36.98	+38:31:28.4	15.94	3.19	2.65	1.87	0.81	0.32	0.78	g5 V
863	20:23:37.00	+38:43:03.0	14.06			3.21	1.49	0.55	1.33	g6 III
864	20:23:37.01	+38:33:08.3	15.96	4.00	3.26	2.31	1.10	0.40	0.99	g2 IV-V
865	20:23:37.09	+38:28:18.5	17.37	5.03	3.88	2.56	1.34	0.46	1.18	a5 V
866	20:23:37.19	+38:25:06.3	17.23	5.90	5.10	3.60	1.66	0.61	1.52	k0 III

Table 2. 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
867	20:23:37.39	+38:03:26.4	14.88		2.44	1.70	0.77	0.27	0.70	f8 IV-V
868	20:23:37.49	+39:03:00.0	14.96			1.99	0.99	0.36	0.90	a, **
869	20:23:37.52	+38:44:49.5	14.44	2.80	2.08	1.53	0.72	0.23	0.67	
870	20:23:37.72	+38:27:57.3	16.33	4.00	3.14	2.32	1.14	0.41	1.05	f5 V
871	20:23:37.74	+38:28:43.1	13.96	3.12	2.34	1.56	0.83	0.28	0.69	b8 IV
872	20:23:37.75	+38:30:15.4	18.96			2.83	1.25	0.50	1.14	k0
873*	20:23:37.78	+38:18:53.7	13.87	2.46	2.02	1.40	0.62	0.23	0.58	g0 V
874	20:23:37.94	+38:32:33.8	18.46	4.20	3.56	2.54	1.24	0.44	1.11	g5 V
875	20:23:38.01	+38:34:36.2	16.84	4.60	3.86	2.83	1.19	0.58	1.24	k3 V
876	20:23:38.01	+38:34:49.9	15.30	3.28	2.78	1.88	0.80	0.34	0.72	g8 V
877	20:23:38.20	+38:13:00.6	14.44	3.01	2.38	1.65	0.79	0.28	0.75	f5 V
878	20:23:38.24	+38:30:57.9	17.37	3.90	3.10	2.31	1.12	0.41	1.01	f8 V
879	20:23:38.24	+38:33:01.9	18.25	5.40	4.09	2.69	1.43	0.50	1.22	a2 IV
880	20:23:38.24	+38:40:50.7	14.61	5.76	4.84	3.40	1.50	0.59	1.31	k1 III
881	20:23:38.25	+38:26:27.9	16.49	4.38	3.91	2.71	0.97	0.58	1.00	k5 V
882	20:23:38.27	+39:06:59.8	13.37	2.67	2.18	1.52	0.64	0.25	0.63	g1 V
883	20:23:38.30	+38:31:53.0	18.29	3.88	3.19	2.32	1.18	0.40	1.05	f8 V
884	20:23:38.31	+38:55:38.2	13.91	3.06	2.45	1.73	0.76	0.30	0.73	g0 IV-V
885	20:23:38.44	+38:28:32.7	17.63	4.24	3.29	2.39	1.22	0.41	1.08	f3 IV
886	20:23:38.65	+38:26:24.2	18.18	4.59	4.03	2.84	1.20	0.50	1.13	k
887	20:23:38.69	+38:49:58.3	12.70	2.50	2.02	1.41	0.64	0.23	0.55	f8 V
888	20:23:38.70	+38:28:41.1	18.67	4.54	3.61	2.66	1.20	0.50	1.17	
889	20:23:38.80	+39:03:43.1	11.96	2.33	1.69	0.93	0.37	0.16	0.28	a8 V
890	20:23:38.81	+38:31:12.2	16.88	4.12	3.28	2.36	1.17	0.41	1.07	f4 IV
891	20:23:38.84	+38:29:14.3	18.33	4.09	3.30	2.37	1.15	0.43	1.04	g0 IV
892*	20:23:38.85	+38:17:03.7	12.23	2.82	2.33	1.60	0.66	0.25	0.64	g5 V:
893	20:23:38.91	+38:55:24.3	13.54		2.97	1.42	0.54	0.26	1.26	g:
894	20:23:39.04	+38:20:32.6	12.99	2.58	2.19	1.50	0.61	0.24	0.61	g6 V
895	20:23:39.10	+38:09:25.9	11.91	2.59	2.00	1.33	0.59	0.21	0.58	f4 V
896	20:23:39.13	+38:29:54.4	15.41	3.82	2.83	1.82	0.92	0.28	0.79	a, **
897*	20:23:39.25	+38:25:16.4	13.12	2.67	2.06	1.42	0.76	0.26	0.65	b5 IV
898*	20:23:39.32	+38:49:40.8	9.47	2.08	1.42	0.61	0.23	0.08	0.19	a4 IV-V
899	20:23:39.37	+38:35:40.7	16.45	4.09	3.60	2.48	0.89	0.50	0.91	k4 V
900	20:23:39.40	+38:28:59.1	19.02			3.09	1.45	0.65	1.30	k1 V
901	20:23:39.52	+38:03:57.9	14.05	2.54	2.09	1.42	0.66	0.24	0.66	f, **
902	20:23:39.64	+38:26:49.6	16.99	3.63	2.85	2.13	1.05	0.37	0.97	f-g, md:
903	20:23:39.64	+38:53:24.7	14.41		2.83	1.78	0.95	0.29	0.87	a
904*	20:23:39.66	+38:21:31.3	13.71	2.59	2.13	1.49	0.65	0.27	0.62	g1 V
905	20:23:39.72	+38:30:44.0	18.84	5.44	3.86	2.66	1.14	0.49	1.17	k
906	20:23:39.75	+38:36:16.8	14.76	3.50	2.59	1.69	0.91	0.30	0.72	b8.5 V
907	20:23:39.90	+38:22:49.8	12.79	2.69	2.21	1.50	0.65	0.25	0.62	g, **
908	20:23:39.91	+38:32:41.8	17.48	4.10	3.24	2.37	1.19	0.42	1.05	f5

Table 2. 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
929	20:23:41.62	+38:28:19.7	15.83	3.60	2.75	1.89	0.94	0.33	0.82	f2 IV
930	20:23:41.69	+38:21:28.4	15.11	3.18	2.76	1.87	0.73	0.34	0.72	k1 V
931	20:23:41.90	+38:25:06.1	17.80	4.15	3.42	2.45	1.22	0.45	1.10	g0 V
932	20:23:41.97	+38:33:16.6	17.70	4.12	3.16	2.35	1.20	0.42	1.05	
933	20:23:41.97	+38:34:40.0	19.01	4.47	3.55	2.65	1.25	0.48	1.36	g
934*	20:23:41.99	+38:38:06.4	13.63	2.53	1.98	1.33	0.62	0.22	0.55	f4 V
935	20:23:42.24	+38:30:07.7	17.09	3.82	3.02	2.25	1.09	0.38	0.96	f8 V
936	20:23:42.35	+38:00:05.2	14.64			2.17	1.12	0.45	1.00	**
937	20:23:42.48	+38:27:04.4	15.58	3.27	2.73	1.88	0.82	0.32	0.78	g6 V
938	20:23:42.50	+38:25:55.4	19.18			2.77	1.31	0.48	1.17	g4
939	20:23:42.55	+38:53:16.5	13.79	2.78	2.19	1.46	0.70	0.25	0.64	f3 V
940	20:23:42.79	+38:02:53.7	13.40	2.45	1.97	1.33	0.59	0.23	0.58	f8 V
941	20:23:42.79	+38:31:57.4	17.48	4.12	3.31	2.42	1.19	0.42	1.09	f8 V
942	20:23:42.82	+38:50:57.8	13.47	3.53	2.69	1.90	1.05	0.36	0.92	b, **
943*	20:23:42.85	+38:28:33.5	11.77	2.45	1.92	1.42	0.78	0.27	0.67	b2.5 IV
944	20:23:42.88	+38:33:42.8	17.57	4.37	3.39	2.44	1.23	0.43	1.07	f3 IV
945	20:23:42.97	+38:26:20.3	17.89	3.81	3.02	2.23	1.11	0.38	1.01	f5 V
946	20:23:42.99	+38:29:14.4	17.66	5.06	4.14	3.00	1.49	0.54	1.29	g2 V
947*	20:23:43.02	+38:44:53.9	13.55	3.34	2.62	1.77	0.86	0.30	0.75	f1 V
948*	20:23:43.05	+38:20:20.9	13.41	3.64	2.85	2.04	1.13	0.39	0.94	b:
949	20:23:43.07	+38:25:18.4	15.74	3.62	3.20	2.13	0.80	0.40	0.82	k3 V
950	20:23:43.09	+38:30:00.8	15.63	4.16	3.09	2.01	1.01	0.35	0.85	a6 V
951	20:23:43.09	+39:03:27.2	13.95	3.12	2.28	1.44	0.76	0.25	0.69	b3 IV
952	20:23:43.12	+38:37:59.8	16.57	3.83	3.43	2.30	0.80	0.47	0.90	k4 V
953	20:23:43.14	+39:06:31.5	13.63	3.86	2.72	1.74	0.88	0.31	0.76	a, **
954	20:23:43.15	+38:34:04.6	13.68	4.81		3.08	1.38	0.56	1.26	k2 IV
955	20:23:43.27	+38:26:46.8	17.31	3.75	2.93	2.20	1.11	0.39	1.01	f-g
956	20:23:43.48	+38:11:30.3	11.97	2.21	1.74	1.13	0.49	0.18	0.49	f5 V
957	20:23:44.02	+38:31:11.9	17.82	4.34	3.51	2.54	1.25	0.46	1.14	f9 IV
958	20:23:44.31	+38:37:42.6	15.79	4.38	3.22	2.18	1.10	0.38	0.95	a
959	20:23:44.33	+38:24:33.1	16.92	4.48	3.71	2.58	1.24	0.40	1.13	**
960	20:23:44.51	+38:25:35.7	18.73	4.44	3.39	2.63	1.36	0.49	1.26	
961	20:23:44.55	+38:53:19.8	11.78	3.43	2.90	1.94	0.76	0.30	0.74	k0 III-IV
962	20:23:44.56	+38:26:14.8	16.81	3.75	3.13	2.22	1.09	0.40	0.98	g2: V
963	20:23:44.61	+38:10:42.9	12.71	3.92	2.99	2.30	1.29	0.46	1.10	b7 I
964	20:23:44.62	+38:27:03.9	17.69	4.38	3.58	2.57	1.29	0.45	1.14	f6 IV
965	20:23:44.84	+38:34:39.9	16.57	4.00	3.06	2.21	1.12	0.38	0.95	f, **
966	20:23:44.95	+38:41:01.3	14.14		3.02	2.08	0.98	0.35	0.82	f
967	20:23:45.19	+38:32:51.1	17.78	4.66	3.70	2.71	1.35	0.48	1.20	f6 IV
968	20:23:45.39	+38:27:36.9	16.39	4.00	3.24	2.31	1.15	0.39	1.04	f5 V
969	20:23:45.41	+38:59:14.8	12.36	2.40	1.94	1.31	0.55	0.20	0.55	f9 V
970	20:23:45.43	+38:39:52.6	14.52	2.93	2.48	1.67	0.69	0.28	0.64	g8 V
971*	20:23:45.44	+38:28:35.0	12.21	2.40	1.86	1.35	0.73	0.25	0.62	b3 IV
972	20:23:45.59	+38:24:31.4	16.25	4.07	3.03	2.23	1.23	0.43	1.08	b-a
973	20:23:45.68	+38:25:12.7	18.58	4.92	3.87	2.58	1.41	0.49	1.16	a0 V
974	20:23:45.72	+39:07:22.4	14.10	2.67	2.18	1.51	0.64	0.26	0.63	g, **
975	20:23:45.83	+38:33:28.3	15.95	3.36	2.88	1.97	0.83	0.36	0.79	k0 V
976*	20:23:45.96	+38:30:03.1	9.22	2.32	1.94	1.55	0.89	0.31	0.94	B0e
977	20:23:46.04	+38:10:09.1	12.24	2.27	1.77	1.19	0.51	0.18	0.52	f6 V
978	20:23:46.18	+38:22:18.2	14.84	2.75	2.21	1.58	0.72	0.26	0.65	f9 V
979	20:23:46.22	+38:31:51.7	15.45	3.83	2.88	1.76	0.90	0.31	0.73	a, **
980	20:23:46.22	+38:38:51.7	14.58	2.68	2.14	1.50	0.68	0.25	0.64	f8 V
981	20:23:46.24	+38:24:38.4	14.28	3.57	2.63	1.68	0.88	0.31	0.74	b, **
982*	20:23:46.25	+38:31:16.2	12.17	2.65	2.04	1.44	0.79	0.27	0.67	b4 IV
983	20:23:46.32	+38:34:39.8	13.66	2.46	2.05	1.40	0.60	0.22	0.61	g1 V
984	20:23:46.37	+38:50:40.4	13.07	2.40	1.98	1.36	0.57	0.21	0.57	g0 V
985	20:23:46.38	+38:32:06.5	18.06	4.29	3.41	2.54	1.23	0.44	1.11	g
986	20:23:46.39	+38:23:44.3	14.05	3.18	2.76	1.84	0.71	0.33	0.71	k1 V
987	20:23:46.42	+38:10:43.2	13.14	3.14	2.36	1.63	0.79	0.30	0.73	f2 IV
988	20:23:46.46	+38:39:19.9	14.18	3.19	2.61	1.75	0.95	0.32	0.78	b8 V
989	20:23:46.72	+38:35:41.0	18.30			3.40	1.53	0.57	1.55	k0 III
990	20:23:46.79	+38:21:13.9	16.41	3.60	3.20	2.17	0.81	0.44	0.82	k3 V

Table 2. 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
991	20:23:46.79	+38:26:43.3	17.79	3.90	3.10	2.30	1.15	0.43	1.04	f5 V
992	20:23:46.83	+38:09:22.2	13.76	2.83	2.38	1.56	0.64	0.26	0.62	g5 IV
993	20:23:46.86	+38:18:41.4	14.52			2.24	0.82	0.48	0.88	k3.5 V
994	20:23:46.86	+38:32:27.6	17.48	4.15	3.32	2.34	1.20	0.41	1.06	f2 V
995	20:23:46.90	+38:30:39.5	15.33	3.63	2.70	1.63	0.84	0.29	0.68	a1 V
996	20:23:46.92	+38:32:40.0	18.99	4.49	3.51	2.69	1.29	0.45	1.19	
997	20:23:47.03	+38:26:31.2	16.96	4.03	3.67	2.50	0.93	0.53	0.94	k4 V
998*	20:23:47.10	+37:58:57.9	8.59	1.98	1.30	0.50	0.18	0.09	0.17	a1 IV
999	20:23:47.17	+38:43:33.1	13.35	3.28	2.48	1.75	0.95	0.31	0.78	b5 IV
1000	20:23:47.34	+38:31:46.4	15.07	3.65	2.68	1.71	0.91	0.31	0.78	b9 IV
1001	20:23:47.38	+38:21:57.8	12.97	2.48	1.97	1.38	0.60	0.21	0.57	f8 V
1002	20:23:47.46	+39:06:12.7	11.07	2.34	1.85	1.42	0.76	0.27	0.68	b2 III
1003	20:23:47.56	+38:39:01.3	14.55	2.66	2.54	1.30	0.94	0.55	0.79	b, **
1004	20:23:47.65	+38:30:02.1	14.53	3.62	2.72	1.80	0.93	0.34	0.85	b0 V
1005	20:23:47.67	+38:29:20.6	18.29	4.52		2.60	1.29	0.46	1.16	f8 V
1006	20:23:47.69	+38:30:57.8	18.10	4.37	3.67	2.62	1.27	0.48	1.15	g5 V
1007	20:23:47.71	+38:59:52.8	14.89			2.30	1.13	0.42	1.05	f7 V:
1008	20:23:47.76	+38:26:28.3	18.04	4.38	3.61	2.63	1.26	0.50	1.13	g5 V
1009	20:23:47.91	+38:31:34.3	15.43	3.81	2.83	1.72	0.89	0.30	0.72	a1 V
1010	20:23:48.06	+38:30:16.6	14.29	3.71	2.70	1.72	0.91	0.32	0.78	b9.5 III
1011	20:23:48.12	+38:25:55.1	19.18			2.89	1.58	0.45	1.36	
1012*	20:23:48.15	+38:03:16.1	14.89	2.98	2.27	1.62	0.80	0.30	0.76	f5 V, md:
1013	20:23:48.27	+38:29:55.8	15.79	4.08	3.10	1.88	0.99	0.30	0.79	a1 V
1014	20:23:48.35	+38:31:23.5	17.67	4.38	3.86	2.68	1.01	0.58	1.05	k4 V
1015	20:23:48.51	+38:23:41.2	15.93	4.36	3.94	2.74	0.99	0.64	1.11	k6 V
1016	20:23:48.55	+38:48:56.9	14.66	2.66	2.20	1.48	0.67	0.22	0.63	f8 V
1017	20:23:48.57	+38:28:57.4	17.93	5.09	3.74	2.85	1.41	0.41	1.32	
1018*	20:23:48.89	+38:30:03.8	12.11	2.72	2.14	1.57	0.83	0.28	0.74	b3:
1019	20:23:48.90	+38:27:32.9	16.19	4.38	3.56	2.58	1.23	0.44	1.12	g2 V
1020	20:23:48.98	+38:36:35.1	15.84	3.51	3.06	2.09	0.85	0.41	0.84	k1 V
1021	20:23:49.14	+38:25:32.6	18.06	5.05	4.30	3.06	1.39	0.50	1.33	g8 III
1022	20:23:49.16	+38:24:56.2	18.74	4.59		2.74	1.33	0.50	1.17	g4 V
1023	20:23:49.17	+38:26:30.0	18.96	4.47		2.76	1.33	0.50	1.20	g6 V
1024	20:23:49.17	+38:35:59.8	14.45	2.96	2.50	1.70	0.74	0.29	0.69	g5 V
1025	20:23:49.23	+38:31:58.4	16.95	4.32	3.38	2.51	1.26	0.45	1.13	f5 IV-V
1026	20:23:49.52	+38:25:58.9	19.10	4.33		2.69	1.26	0.46	1.18	
1027	20:23:49.53	+38:30:16.3	14.49	3.40	2.51	1.62	0.89	0.30	0.75	b8 IV
1028	20:23:49.56	+38:25:32.0	18.14	4.82	4.11	2.97	1.38	0.51	1.33	g9 IV
1029*	20:23:49.63	+38:21:29.6	13.13	2.40	1.90	1.28	0.57	0.22	0.55	f6 V
1030	20:23:49.64	+38:14:20.9	12.36	2.54	1.86	1.01	0.42	0.15	0.35	a7 V
1031	20:23:49.77	+38:25:08.4	15.66	4.75	3.92	2.77	1.30	0.49	1.15	g8 II-III
1032	20:23:49.86	+39:01:31.9	14.69			3.06	1.41	0.53	1.32	g8 III-IV
1033	20:23:49.91	+38:29:08.4	17.98	4.09		2.30	0.94	0.33	1.14	g
1034	20:23:49.97	+38:28:16.2	18.52			2.88	1.23	0.54	1.24	k3 V
1035	20:23:50.18	+38:27:14.6	17.46	4.05	3.22	2.31	1.15	0.41	1.05	f4 V
1036	20:23:50.29	+38:30:25.8	15.62	4.03	2.97	1.83	0.94	0.31	0.77	a2 V
1037	20:23:50.45	+38:32:40.8	17.45	3.90	3.05	2.29	1.14	0.34	1.03	f3 V
1038	20:23:50.50	+38:31:47.6	17.34	4.42	3.91	2.73	1.06	0.56	1.05	k4 V
1039	20:23:50.55	+38:32:33.5	15.19	3.71	2.74	1.67	0.87	0.29	0.70	a1 IV
1040	20:23:50.62	+38:31:57.8	16.20	3.98	3.03	2.12	1.09	0.38	0.93	f1 IV
1041	20:23:50.69	+39:02:28.8	14.11	3.66	2.69	1.72	0.90	0.32	0.76	b9 IV
1042*	20:23:50.83	+38:28:17.6	12.86	2.70	2.09	1.45	0.77	0.27	0.68	b, **
1043	20:23:50.83	+38:32:16.9	13.88	3.65	2.69	1.76	0.93	0.32	0.77	b9 V
1044	20:23:50.85	+38:43:07.5	14.47			2.11	0.76	0.38	0.78	k2 V:
1045	20:23:50.96	+38:35:24.6	17.84	4.36	3.48	2.49	1.24	0.46	1.10	f5 V
1046*	20:23:51.00	+38:29:34.3	8.57	2.28	1.71	1.06	0.45	0.17	0.33	f3 IV
1047*	20:23:51.12	+38:17:20.7	10.26	4.04	3.47	2.37	0.91	0.37	0.83	k0.5 III
1048	20:23:51.18	+38:30:21.5	14.65	3.28	2.49	1.60	0.86	0.29	0.71	b8 IV-V
1049	20:23:51.26	+38:35:43.9	18.99	3.85	3.39	2.61	1.27	0.43	1.16	
1050	20:23:51.39	+38:06:41.0	13.90	2.52	2.08	1.41	0.62	0.25	0.60	f8 V
1051	20:23:51.42	+38:56:39.9	14.33	2.51	2.03	1.42	0.64	0.23	0.60	f8 V
1052	20:23:51.48	+38:02:51.0	13.87	3.26	2.53	1.79	0.84	0.32	0.76	f6 IV

Table 2. 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
1053	20:23:51.55	+38:32:54.9	16.99	4.21	3.13	2.19	1.13	0.25	0.99	f2 V
1054	20:23:51.58	+38:34:15.1	14.66	3.65	2.83	1.98	1.00	0.35	0.87	f1 **
1055	20:23:51.71	+38:31:12.5	15.62	4.18	3.15	2.19	1.04	0.40	0.93	f1 **
1056	20:23:51.73	+38:31:49.3	17.76	4.70	4.08:	2.81	1.29	0.49	1.16	g
1057	20:23:51.74	+38:35:06.5	16.92	4.91	4.07:	2.88	1.35	0.52	1.18	g0 II:
1058	20:23:51.96	+38:26:26.7	15.63	3.99	3.09	2.15	1.06	0.37	0.93	f2 IV
1059	20:23:51.96	+38:34:40.9	18.75	4.73:		3.19	1.25	0.66	1.24	k5 V:
1060*	20:23:52.19	+38:44:39.0	12.20	2.63	1.87	1.03	0.45	0.15	0.38	a6 IV
1061	20:23:52.25	+38:26:56.5	18.95			3.11	1.63	0.54	1.50	f
1062	20:23:52.28	+38:34:14.8	17.28	4.04	3.21	2.32	1.16	0.31	1.06	
1063	20:23:52.32	+38:51:55.2	12.77	2.75	2.12	1.45	0.67	0.24	0.61	f, **
1064	20:23:52.36	+38:28:12.5	17.21	4.18	3.22:	2.36	1.18	0.40	1.13	f-g
1065	20:23:52.46	+38:24:57.4	15.48	4.99	3.58	2.44	1.33	0.47	1.16	a1 III
1066	20:23:52.58	+38:24:34.4	16.70	4.12	3.34	2.41	1.17	0.43	1.07	g0 IV-V
1067	20:23:52.60	+37:58:58.0	11.58	3.08	2.37	1.85	1.01	0.37	0.89	b2 III:
1068	20:23:52.60	+38:28:46.2	17.89	4.37	3.54:	2.55	1.27	0.44	1.11	f7 IV-V
1069	20:23:52.69	+38:33:18.6	18.66	4.37:	3.56:	2.59	1.29	0.41	1.14	f
1070	20:23:52.79	+38:37:05.8	15.79	3.07	2.53	1.80	0.84	0.33	0.73	g0 V
1071	20:23:52.88	+38:31:35.6	16.35	3.87	3.01	2.14	1.08	0.39	0.96	f2 V
1072	20:23:53.08	+38:40:22.4	15.33	4.09	3.01	2.03	1.05	0.40	0.85	a
1073	20:23:53.09	+38:30:53.8	19.16	4.28:		2.90:	1.28	0.51	1.43	g-k
1074	20:23:53.12	+38:28:21.9	12.98	7.22	6.38	4.53	1.93	0.77	1.78	k-m III
1075	20:23:53.15	+38:29:00.5	16.58	4.17	3.18	2.06	1.04	0.37	0.88	a5 V
1076	20:23:53.26	+38:01:25.7	14.35	2.53	2.02:	1.43	0.69	0.26	0.65:	f7 V
1077	20:23:53.39	+38:35:37.6	15.86	3.99	3.15	2.27	1.11	0.40	0.98	f7 IV-V
1078	20:23:53.58	+38:26:46.5	15.51	4.15	3.07	1.96	1.04	0.35	0.85	a2 V
1079	20:23:53.71	+38:35:13.5	16.84	3.86	3.11	2.26	1.12	0.40	0.98	f7 V
1080	20:23:53.81	+38:28:36.7	16.15	4.04	3.13	2.05	1.04	0.35	0.88	a6 V
1081	20:23:53.94	+38:27:08.5	18.53	4.92:	3.79:	2.97	1.42	0.50	1.26	
1082	20:23:54.16	+38:24:22.0	15.97	4.06	3.17	2.15	1.09	0.38	0.91	a9 V
1083	20:23:54.16	+38:30:59.9	17.74	4.15	3.25	2.37	1.19	0.42	1.05	f4 IV-V
1084	20:23:54.27	+38:04:17.8	13.88	2.53	2.10	1.43	0.62	0.24	0.61	g1 V
1085	20:23:54.57	+38:33:11.0	13.54	3.86	2.77	1.67	0.86	0.30	0.69	a1 III
1086	20:23:54.77	+38:54:16.7	14.95			1.72	0.73	0.30	0.64	g3 V:
1087	20:23:54.85	+39:05:36.6	14.37		2.65:	1.69	0.85	0.29	0.78	f2 II:
1088	20:23:54.88	+38:34:36.7	14.52	3.24	2.40	1.59	0.86	0.29	0.71	b8 IV-V
1089*	20:23:55.02	+38:27:58.9	9.34	2.23	1.83	1.42	0.80	0.27	0.68	B0
1090	20:23:55.04	+39:09:02.2	14.67	2.94	2.44:	1.62	0.71	0.26	0.70	g1 V
1091*	20:23:55.08	+38:29:08.1	11.41	2.67	2.09	1.54	0.85	0.29	0.72	b3 IV
1092	20:23:55.21	+38:30:49.5	15.40	3.11	2.56	1.80	0.80	0.31	0.77	g, **
1093	20:23:55.30	+38:33:29.5	18.24	4.67:	3.92:	2.78	1.33	0.48	1.20	g5 IV:
1094	20:23:55.32	+38:32:55.0	17.06	3.81	3.32	2.27	0.92	0.47	0.89	k2 V
1095	20:23:55.61	+38:34:24.0	16.60	3.77	3.28	2.22	0.93	0.39	0.86	k1 V
1096	20:23:55.84	+38:17:35.8	14.24		2.91:	1.91	1.04	0.38	0.90	b, **
1097*	20:23:55.84	+38:36:54.1	13.58	3.79	2.75	1.85	0.97	0.37	0.84	b9 IV:
1098	20:23:55.89	+38:26:25.2	14.70	4.25	3.22	2.21	1.16	0.38	0.94	a
1099	20:23:55.93	+38:35:20.8	17.42	4.28	3.40:	2.44	1.22	0.44	1.06	f3 V
1100	20:23:56.00	+39:04:09.7	14.99	2.64	2.17:	1.48	0.72	0.24	0.66	f7, sd:
1101	20:23:56.11	+38:21:00.5	15.35	4.83:	3.65	2.44	1.25	0.44	1.02	a, **
1102	20:23:56.24	+38:33:09.0	18.09	4.26	3.32:	2.44	1.30	0.49	1.05	
1103	20:23:56.27	+38:32:10.0	16.93	3.71	3.01	2.20	1.05	0.38	0.97	f9 V
1104	20:23:56.30	+38:30:05.6	18.73	4.46:		2.34	1.45	0.31	1.33	m:
1105	20:23:56.55	+38:34:08.5	18.93	4.30:	3.56:	2.74	1.31	0.51	1.16	g
1106	20:23:56.65	+38:31:49.6	14.57	3.29	2.84:	1.89	0.79	0.32	0.76	g9 V
1107*	20:23:56.96	+38:16:22.8	10.77	4.71	4.02	2.77	1.07	0.46	0.98	k2 III
1108	20:23:57.00	+38:52:52.0	13.35			3.58	1.55	0.63	1.35	k1.5 III
1109	20:23:57.15	+38:57:38.8	14.53	2.68	2.24:	1.54	0.63	0.25	0.65	g5 V
1110	20:23:57.19	+38:28:07.1	18.93	4.01:	2.45:	2.00	1.14	0.23	1.19	
1111	20:23:57.27	+38:55:36.7	12.54	3.19:	2.61:	1.78	0.70	0.26	0.69	g
1112	20:23:57.33	+38:21:42.9	17.49	5.29:	4.04:	2.78	1.40	0.47	1.25	a
1113	20:23:57.35	+38:27:48.1	18.28	4.40:	3.06:	2.61	1.25	0.48	1.07	
1114	20:23:57.46	+38:24:48.9	17.82	4.55	3.92:	2.81	1.14	0.57	1.22	k3.5 V

Table 2. 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
1115	20:23:57.46	+38:33:12.2	15.46	3.89	2.88	1.78	0.93	0.31	0.76	a1 V
1116	20:23:57.48	+39:05:43.8	11.73	3.40	2.29	1.35	0.65	0.22	0.59	
1117*	20:23:57.51	+38:30:34.7	12.90	2.78	2.15	1.50	0.81	0.27	0.68	b5 IV-V
1118	20:23:57.62	+38:32:02.7	14.69	3.99	2.97	1.80	0.91	0.29	0.77	a3 IV-V
1119	20:23:57.71	+38:30:51.7	14.18	3.24	2.41	1.62	0.87	0.29	0.73	b7 IV
1120	20:23:57.95	+38:28:51.9	18.20	4.47	3.58:	2.65	1.25	0.57	1.15	g
1121	20:23:58.36	+38:27:11.6	17.35	4.55	3.59	2.67	1.33	0.46	1.18	f-g
1122	20:23:58.45	+38:35:48.5	15.26	3.89	2.87	1.77	0.92	0.32	0.74	a1 V
1123*	20:23:58.73	+38:25:57.2	11.91	3.13	2.44	1.88	1.03	0.35	0.88	b2
1124	20:23:58.75	+38:28:54.6	16.64	3.56	3.10	2.14	0.86	0.43	0.85	k1.5 V
1125*	20:23:58.95	+38:33:36.1	10.56	2.13	1.60	0.92	0.38	0.13	0.35	f0 V
1126*	20:23:58.98	+38:29:46.4	13.49	3.05	2.46	1.73	0.78	0.28	0.73	g0 V
1127	20:23:58.98	+38:31:13.1	18.44	4.86:	3.99:	2.97	1.29	0.51	1.31	k0
1128	20:23:59.02	+38:26:27.9	17.15	5.43	4.18:	2.83	1.41	0.47	1.23	
1129	20:23:59.02	+38:28:36.7	14.84	5.73	4.79	3.39	1.55	0.57	1.41	g9.5 III
1130	20:23:59.06	+38:31:30.0	18.27	4.13	3.57:	2.30	1.13	0.24	1.17	m
1131	20:23:59.06	+39:00:43.7	14.98			2.06	1.08	0.39	0.97	a-f, **
1132	20:23:59.15	+38:01:33.5	14.34	2.60	2.08:	1.48	0.64	0.25	0.63	g0 V
1133*	20:23:59.19	+39:06:15.3	9.51	2.34	1.85	1.46	0.79	0.28	0.75	b2
1134	20:23:59.44	+38:28:18.4	16.77	4.10	3.18	2.31	1.18	0.40	1.03	f4 IV
1135*	20:23:59.55	+38:19:30.6	10.98	2.19	1.69	1.05	0.43	0.16	0.43	f3 V
1136*	20:23:59.55	+38:31:48.0	10.20	2.29	1.83	1.40	0.79	0.27	0.66	B0
1137	20:23:59.63	+38:48:21.4	14.54			2.30	0.81	0.49	0.87	k4 V
1138*	20:23:59.66	+38:30:09.5	11.87	2.17	1.72	1.10	0.48	0.17	0.46	f5 V
1139	20:23:59.66	+38:30:36.4	17.88	3.98	2.81:	2.32	1.15	0.39	0.98	
1140	20:23:59.70	+37:57:40.0	14.16	2.69		1.59:	0.60	0.26	0.66:	g, **
1141	20:24:00.17	+38:22:24.8	14.55	2.79	2.16	1.51	0.71	0.25	0.64	f5 V
1142	20:24:00.21	+38:24:49.6	17.24	4.64	4.12:	2.91	1.09	0.63	1.16	k5 V
1143	20:24:00.62	+38:26:39.9	18.55	5.00:		3.11	1.59	0.57	1.44	f9 V
1144	20:24:00.71	+38:14:08.0	11.57	2.17	1.69	1.12	0.47	0.17	0.46	f6 V
1145	20:24:00.86	+38:52:34.1	14.19	2.49	1.94	1.38	0.60	0.21	0.60	f, **
1146*	20:24:01.30	+38:30:49.6	8.91	2.23	1.80	1.40	0.79	0.27	0.68	O9
1147	20:24:01.30	+38:33:29.0	17.30	4.12		2.48	1.02	0.48	0.95	k2 V
1148	20:24:01.61	+38:22:11.5	15.00	3.97	3.01	2.12	1.19	0.42	0.99	b7 III
1149	20:24:01.61	+38:29:14.8	13.14	2.92	2.25	1.57	0.86	0.29	0.71	b7 IV-V
1150	20:24:01.61	+39:06:54.4	13.79	3.00	2.24	1.52	0.80	0.31	0.72	b7 III-IV
1151	20:24:01.67	+38:27:01.1	19.48			2.48	1.41	0.46	1.35	b
1152	20:24:01.70	+38:34:39.6	17.70	5.53:	4.53:	3.29	1.53	0.60	1.36	g8 III
1153	20:24:01.76	+39:09:23.7	14.40		2.88:	1.88	0.92	0.31	0.76	a7 IV-V
1154	20:24:02.14	+38:27:53.8	18.55	4.25:	3.22:	2.54	1.20	0.48	1.08	
1155*	20:24:02.26	+38:39:38.1	12.19	3.57	2.68	2.07	1.14	0.39	1.17	b
1156	20:24:02.51	+38:34:54.4	18.54	4.85:	4.09:	3.03	1.38	0.56	1.21	k0
1157	20:24:02.54	+39:08:39.6	12.62	2.42	1.98	1.34	0.57	0.21	0.56	f9 V
1158	20:24:02.58	+38:28:37.0	17.59	4.31	3.53:	2.56	1.24	0.45	1.12	g2 IV-V
1159	20:24:02.80	+39:03:21.7	13.81	2.92	2.43:	1.66	0.67	0.29	0.67	g6 V
1160	20:24:02.85	+38:55:58.3	11.81	3.35	2.57	1.89	1.06	0.38	0.93	b, **
1161	20:24:03.18	+38:27:00.2	16.92	4.42	4.17:	2.71	1.00	0.59	1.10	k7 V
1162	20:24:03.19	+37:58:38.8	13.52	2.41	1.84	1.30	0.59	0.24	0.56	f-g
1163*	20:24:03.21	+38:28:16.2	12.56	2.59	1.99	1.44	0.79	0.26	0.67	b3 IV
1164*	20:24:03.27	+38:36:04.3	13.18	3.38	2.50	1.72	0.93	0.32	0.77	b7 V
1165	20:24:03.28	+38:31:11.1	13.26	3.17	2.38	1.58	0.86	0.29	0.71	b7 V
1166*	20:24:03.58	+38:24:10.0	12.90	3.57	2.77	2.10	1.15	0.39	0.98	b3 III
1167	20:24:03.76	+38:21:15.6	14.04	2.76	2.12	1.45	0.66	0.23	0.62	f5 IV
1168	20:24:03.97	+38:26:01.0	14.81	2.63	2.19	1.55	0.68	0.26	0.65	g1 V
1169	20:24:04.09	+38:40:42.2	11.50	3.62	3.03	2.10	0.86	0.36	0.79	g8 IV
1170	20:24:04.17	+38:08:30.0	14.40	3.40:	2.88:	1.95	0.71	0.42	0.78	k2 V
1171	20:24:04.17	+38:34:36.0	17.46	4.66	3.51	2.58	1.30	0.38	1.15	
1172	20:24:04.35	+38:24:21.3	15.71	3.91	3.35	2.22	0.84	0.41	0.89	k3 V
1173*	20:24:04.66	+38:32:17.3	8.86	2.55	2.03	1.57	0.88	0.30	0.75	B0
1174	20:24:04.83	+38:56:46.8	11.87	3.91	3.37	2.25	0.82	0.38	0.79	k1 III-IV
1175	20:24:04.96	+38:51:41.6	13.14	4.12	3.13:	2.40	1.34	0.47	1.17	bs5 I
1176	20:24:05.08	+38:28:07.1	17.63	4.27	3.37	2.41	1.24	0.31	1.14	

Table 2. 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
1177	20:24:05.19	+38:29:43.2	15.42	4.23	3.45	2.09	1.08	0.35	0.93	
1178	20:24:05.35	+38:35:10.2	18.27	4.75	3.87	2.79	1.34	0.46	1.19	g2
1179	20:24:05.43	+38:30:28.8	18.32	4.37	3.56	2.60	1.28	0.46	1.09	g0 V
1180	20:24:05.51	+38:29:04.8	18.73	4.48		2.60	1.45	0.65	1.11	
1181	20:24:05.52	+38:05:18.7	14.81			2.14	1.16	0.41	0.97	b9 V
1182	20:24:05.57	+38:07:33.8	14.81	3.03		1.77	0.72	0.31	0.75	k0 V
1183	20:24:05.69	+38:26:19.2	14.15	3.10	2.71	1.78	0.70	0.30	0.70	k0 V
1184	20:24:06.04	+38:08:27.8	14.13			2.85	1.44	0.51	1.28	f6 V:
1185	20:24:06.13	+38:34:56.0	12.49	3.67	3.15	2.09	0.81	0.35	0.79	k1 IV
1186	20:24:06.16	+38:35:38.4	18.64	4.80		2.84	1.45	0.52	1.31	f6 IV
1187	20:24:06.41	+38:31:14.9	16.21	4.14	3.23	2.37	1.18	0.41	1.02	f5 IV
1188	20:24:06.49	+38:33:23.5	17.20	4.75	3.98	2.80	1.38	0.48	1.23	
1189*	20:24:06.55	+38:29:33.2	8.90	2.39	1.92	1.51	0.85	0.29	0.70	B0
1190	20:24:06.58	+38:30:06.4	15.69	3.96	3.07	1.98	0.99	0.36	0.81	a7 V
1191	20:24:06.76	+38:25:44.2	18.39	4.34	3.91	2.81	1.46	0.50	1.27	
1192	20:24:06.78	+38:52:26.0	12.27	2.44	1.79	0.89	0.38	0.12	0.30	a5 V
1193	20:24:06.93	+38:24:09.2	15.69	3.72	3.29	2.17	0.82	0.42	0.82	k3 V
1194	20:24:06.95	+38:31:37.0	18.36	5.11	4.26	3.35	1.49	0.65	1.40	k
1195	20:24:06.99	+38:36:57.7	14.39	3.04	2.45	1.69	0.80	0.29	0.72	f, **
1196	20:24:07.00	+38:59:03.3	14.36	3.55	2.60	1.76	0.98	0.34	0.84	b, **
1197	20:24:07.01	+38:28:03.2	17.16	4.58	3.89	2.81	1.09	0.60	1.17	m2 V
1198	20:24:07.04	+38:27:03.8	14.94	3.40	2.99	2.00	0.75	0.39	0.79	k2 V
1199	20:24:07.21	+38:01:22.1	11.40	3.69	2.84	2.23	1.22	0.42	1.05	b7 I
1200	20:24:07.55	+39:00:05.4	14.54		2.89	1.91	0.83	0.33	0.78	g
1201	20:24:07.86	+38:35:07.9	17.80	5.21	4.26	3.05	1.45	0.55	1.31	g
1202	20:24:07.94	+38:22:47.6	15.19	3.17	2.73	1.84	0.73	0.31	0.74	k0 V
1203	20:24:08.01	+38:27:36.3	17.47	4.09	3.24	2.28	1.14	0.32	1.02	
1204	20:24:08.14	+38:29:09.8	18.10	4.50	3.36	2.59	1.28	0.51	1.28	f-g
1205	20:24:08.44	+38:28:28.9	18.65	4.46	3.64	2.65	1.33	0.50	1.14	g0 IV-V
1206	20:24:08.57	+38:27:38.0	15.19	4.04	3.09	2.13	1.07	0.37	0.95	f, **
1207	20:24:08.75	+38:30:45.2	15.73	4.02	2.99	1.86	0.95	0.33	0.75	a2 V
1208	20:24:08.87	+38:26:34.7	17.65	5.01	3.99	2.90	1.45	0.51	1.29	f-g
1209	20:24:08.94	+38:32:06.8	17.00	4.37	3.47	2.54	1.24	0.44	1.11	f8 IV
1210	20:24:09.05	+38:27:24.2	14.65	3.43	2.51	1.61	0.85	0.29	0.70	b, **
1211	20:24:09.32	+38:25:13.2	17.71	5.00	3.97	2.90	1.51	0.55	1.33	f2 V
1212	20:24:09.39	+38:35:00.1	17.14	5.81	4.82	3.45	1.65	0.59	1.50	g7 III
1213	20:24:09.43	+38:28:04.5	14.84	2.73	2.27	1.58	0.71	0.25	0.66	g0 V
1214	20:24:09.53	+38:30:56.7	14.11	2.87	2.36	1.63	0.73	0.25	0.68	f8 IV-V
1215	20:24:09.63	+38:26:22.2	17.92	4.61	3.76	2.68	1.35	0.47	1.20	f
1216	20:24:09.63	+38:34:32.7	18.13	5.18	4.39	3.13	1.58	0.59	1.51	g5
1217	20:24:09.72	+38:15:51.7	14.32	2.67	2.18	1.51	0.65	0.23	0.64	g0 V
1218*	20:24:09.87	+38:19:40.0	9.92	2.33	1.66	0.90	0.34	0.13	0.34	a, **
1219	20:24:09.87	+38:30:12.1	14.90	3.65	2.75	1.79	0.90	0.29	0.78	a7 IV-V
1220	20:24:10.00	+38:24:56.3	17.03	4.07	3.50	2.39	1.05	0.42	0.98	g9
1221	20:24:10.21	+38:26:47.3	18.99	2.86		2.86	1.55	0.55	1.31	a
1222	20:24:10.24	+38:25:26.2	18.13	4.58	3.60	2.67	1.36	0.48	1.20	f5 IV-V
1223	20:24:10.33	+38:17:08.7	14.22	3.53	3.08	1.98	0.73	0.35	0.72	k2 V:
1224	20:24:10.45	+38:35:13.6	15.69	5.89	4.87	3.51	1.65	0.59	1.49	g8 III
1225	20:24:10.55	+38:26:56.5	17.05	4.37	3.46	2.50	1.28	0.45	1.11	f2 V
1226*	20:24:10.71	+38:19:11.4	9.13	2.33	1.64	0.79	0.29	0.11	0.26	a5 V
1227	20:24:10.72	+38:26:20.4	17.61	4.56	3.67	2.64	1.34	0.46	1.19	f4 V
1228	20:24:10.74	+38:27:29.1	18.04	4.18	3.38	2.44	1.25	0.44	1.08	f5 V
1229	20:24:10.81	+38:25:18.0	16.95	5.14	3.90	2.71	1.40	0.50	1.23	f0 III-IV
1230	20:24:10.92	+38:32:52.3	14.16	4.11	3.01	1.98	1.07	0.36	0.89	b9 III-IV
1231	20:24:11.06	+38:22:34.8	14.35	2.86	2.31	1.60	0.68	0.26	0.65	g2 IV-V
1232	20:24:11.06	+38:30:21.7	18.53	4.75		3.02	1.21	0.70	1.23	k7 V
1233	20:24:11.07	+38:01:35.7	12.20	2.82	2.38	1.55	0.62	0.26	0.62	g8 V
1234	20:24:11.22	+39:05:51.5	10.53	2.72	2.02	1.45	0.76	0.26	0.68	b5: III
1235	20:24:11.27	+39:08:04.6	11.97			1.81	0.97	0.31	0.81	b5:
1236	20:24:11.30	+38:29:44.1	17.97	4.88	3.87	2.85	1.41	0.51	1.29	f8 IV
1237	20:24:11.36	+38:31:17.4	17.07	4.14	3.23	2.15	1.08	0.40	0.89	a7 V
1238	20:24:11.38	+38:29:18.3	14.40	3.11	2.71	1.77	0.71	0.29	0.71	g

Table 2. 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
1239	20:24:11.38	+38:35:49.3	17.90	5.15:	3.87:	2.85	1.46	0.49	1.31	
1240	20:24:11.56	+38:32:15.0	17.81	4.76	3.46:	2.87	1.43	0.40	1.36	
1241	20:24:11.58	+38:31:28.6	17.97	4.13	3.28:	2.47	1.21	0.45	1.07	f8 IV-V
1242	20:24:11.67	+38:55:24.9	14.76		2.69:	1.77	0.94	0.31	0.86	b-a
1243	20:24:11.89	+38:16:52.5	13.95	3.21	2.55:	1.77	0.80	0.27	0.76	f8 IV-V
1244	20:24:11.98	+39:05:20.9	11.12	2.71	2.11	1.62	0.87	0.30	0.77	b2 III-IV
1245	20:24:12.07	+38:25:57.8	17.18	5.12	4.14:	2.97	1.52	0.54	1.32	f3 IV-V
1246*	20:24:12.23	+38:44:53.3	11.73	2.25	1.72:	1.07	0.45	0.17	0.42	f3 V
1247	20:24:12.24	+38:51:13.5	12.46	2.21	1.80	1.20	0.52	0.18	0.50	f8 V
1248	20:24:12.25	+38:30:15.7	15.39	3.84	2.88	1.77	0.91	0.30	0.75	a, **
1249	20:24:12.31	+38:25:05.5	17.19	4.78	3.71:	2.42	1.25	0.44	1.04	a5 V
1250	20:24:12.43	+38:05:25.9	13.01	2.63	1.92	1.14	0.50	0.19	0.46	a9 IV
1251	20:24:12.51	+38:31:12.3	18.43			3.56	2.10	0.74	1.77	b0:
1252	20:24:12.52	+38:29:44.9	16.38	3.77	2.98	2.11	1.05	0.36	0.95	f, **
1253	20:24:12.52	+39:07:30.8	14.74	2.63	2.16:	1.48	0.68	0.25	0.69	f9 V
1254	20:24:12.57	+38:30:32.5	13.95	3.40	2.56	1.64	0.87	0.29	0.70	b9 V
1255	20:24:12.70	+38:42:25.5	14.66			2.01	0.76	0.39	0.69	k, **
1256	20:24:12.77	+38:49:39.4	13.27	2.28	1.81	1.28	0.56	0.19	0.55	f9, sd:
1257	20:24:13.22	+38:28:08.3	16.42	3.81	3.00	2.17	1.06	0.38	0.99	f5 V
1258	20:24:13.27	+38:32:13.0	17.89	4.74	4.11:	2.87	1.26	0.48	1.12	k0 III:
1259	20:24:13.31	+38:34:37.5	18.50	4.69:	3.96:	2.98	1.15	0.63	1.17	m2 V
1260	20:24:13.34	+38:25:48.3	12.60	2.50	2.06	1.42	0.59	0.22	0.57	g2 V
1261	20:24:13.34	+38:58:39.6	12.43	2.51	1.81	1.02	0.42	0.14	0.37	a8 IV-V
1262	20:24:13.44	+39:07:44.7	13.90	3.15	2.29:	1.62	0.88	0.28	0.79	
1263	20:24:13.57	+38:28:43.2	18.06	4.04	3.34:	2.41	1.18	0.44	1.06	g0 V
1264	20:24:13.64	+38:25:32.2	18.66			3.14	1.64	0.56	1.49	f-g
1265	20:24:13.71	+38:02:05.8	13.18	3.94:	2.92:	2.09	1.14	0.37	0.96	b, **
1266	20:24:13.81	+38:59:58.8	14.55			1.89	1.00	0.34	0.89	a:
1267	20:24:13.90	+38:33:38.0	13.31	2.55:	2.07:	1.41	0.61	0.21	0.63:	f, **
1268	20:24:14.01	+38:31:41.0	17.15	4.58	3.60	2.67	1.30	0.46	1.14	f-g
1269	20:24:14.01	+38:32:47.2	19.39			2.74	1.40	0.33	1.36	k-m
1270	20:24:14.09	+38:09:23.7	14.30	3.07	2.71:	1.74	0.69	0.30	0.69	k0 V
1271	20:24:14.15	+38:17:05.7	14.89			2.60	1.39	0.48	1.13	a-f
1272	20:24:14.42	+39:05:21.8	13.53	2.97	2.24	1.62	0.85	0.30	0.80	
1273	20:24:14.95	+38:29:55.6	19.15	4.37:		2.73	1.30	0.47	1.19	g
1274	20:24:15.11	+38:27:30.1	18.92	4.63:	3.80:	2.81	1.35	0.51	1.25	g5
1275	20:24:15.12	+38:27:14.4	16.90	4.18	3.15	2.11	1.06	0.36	0.91	a7 IV
1276*	20:24:15.17	+38:31:25.5	15.24	3.64:	2.73	1.70	0.88	0.30	0.73	a0 V
1277	20:24:15.40	+38:26:18.7	19.32			2.77	1.42	0.51	1.27	f7
1278	20:24:15.64	+38:30:41.5	15.82	3.08	2.51	1.79	0.83	0.31	0.76	f9 V
1279	20:24:15.65	+38:25:50.3	17.23	4.36	3.90:	2.66	1.04	0.55	1.05	k4 V
1280	20:24:15.79	+38:26:58.5	17.97	4.19	3.25:	2.41	1.23	0.44	1.07	f4 IV
1281	20:24:15.82	+38:15:02.9	14.41		3.08:	2.09	0.78	0.40	0.78	k2.5 V
1282	20:24:15.92	+38:12:49.6	11.47	3.29	2.51	1.79	0.85	0.30	0.78	f5 IV
1283	20:24:16.00	+38:28:46.7	15.94	3.85	3.06	2.21	1.09	0.39	0.99	f6 V
1284	20:24:16.11	+39:03:34.3	14.28	3.15	2.46:	1.82	0.84	0.33	0.76	f8 IV-V
1285	20:24:16.14	+38:30:52.2	15.88	4.17	3.18	2.04	1.03	0.34	0.85	a5 V
1286	20:24:16.24	+38:05:15.6	12.34	2.51	2.08	1.40	0.60	0.23	0.61	g1 V
1287	20:24:16.35	+38:27:23.8	18.26	4.29	3.52:	2.55	1.23	0.45	1.12	g2 IV-V
1288	20:24:16.41	+38:55:23.3	13.80	3.91	3.05:	2.21	1.18	0.42	1.15	b, **
1289	20:24:16.79	+38:29:25.6	17.53	4.47	4.07:	3.16	1.27	0.68	1.29	k-m
1290	20:24:16.87	+38:49:28.8	12.69	2.63	2.19	1.45	0.59	0.21	0.58	g5 V
1291	20:24:17.02	+38:24:56.0	18.28	4.90:	3.92:	2.75	1.48	0.52	1.29	
1292*	20:24:17.22	+38:29:51.1	13.73	3.36	2.42	1.54	0.83	0.27	0.72	b9 III
1293	20:24:17.23	+38:02:21.2	14.92			2.08	1.14	0.39	0.98	b5:
1291*	20:24:17.24	+38:31:13.7	11.82	3.67	3.12	2.10	0.83	0.33	0.79	g9 III
1295	20:24:17.31	+39:06:14.5	14.59		2.82:	1.75	0.88	0.28	0.70	a5:
1296	20:24:17.45	+39:06:15.4	14.99			1.87	0.73	0.32	0.71	g9:
1297	20:24:17.65	+38:27:48.9	18.49	4.61:	3.99:	2.88	1.37	0.45	1.25	
1298	20:24:17.65	+38:30:49.4	16.88	4.11	3.25	2.44	1.24	0.43	1.10	f5 V
1299	20:24:17.67	+39:09:12.8	14.64			2.10	1.01	0.38	0.97	f8 V:
1300	20:24:17.70	+38:27:37.6	16.89	4.10	3.25	2.32	1.18	0.40	1.05	f, **

Table 2. 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
1301	20:24:17.76	+38:12:13.3	14.53	2.72	2.27	1.55	0.71	0.21	0.71	k3 V
1302	20:24:18.10	+38:28:29.3	18.63			3.44	1.54	0.65	1.50	k3 V
1303	20:24:18.13	+38:00:32.1	14.03	2.71	2.26	1.53	0.65	0.27	0.63	g2 V
1304*	20:24:18.22	+38:30:31.9	19.24	3.88	2.90	2.40	1.34	0.47	1.91	
1305*	20:24:18.48	+38:11:06.2	8.81	1.79	1.24	0.64	0.33	0.14	0.26	b8 V
1306*	20:24:18.52	+38:29:58.4	13.26	5.24	4.34	3.08	1.37	0.52	1.23	k0 III
1307*	20:24:18.59	+38:10:31.5	10.35	3.91	3.31	2.25	0.89	0.36	0.81	k, **
1308	20:24:18.70	+38:28:13.4	18.10	4.63	4.11	2.96	1.13	0.63	1.14	k-m V
1309	20:24:18.81	+38:31:03.4	16.28	4.02	3.15	2.27	1.13	0.40	0.99	f5 V
1310	20:24:18.89	+38:26:20.3	17.12	4.72	3.61	2.40	1.25	0.43	1.07	a3 V
1311	20:24:19.01	+38:33:35.1	19.27			2.64	1.28	0.63	1.27	
1312	20:24:19.09	+38:31:14.3	17.44	5.04	4.31	3.12	1.18	0.63	1.29	k5 V
1313*	20:24:19.36	+38:26:13.3	18.76			3.13	1.33	0.80	1.26	k-m V
1314	20:24:19.65	+39:06:31.9	13.42	3.71	2.57	1.63	0.83	0.26	0.71	b-a, **
1315	20:24:19.67	+38:34:04.0	15.15	3.15	2.71	1.84	0.73	0.31	0.73	k0 V
1316	20:24:19.73	+38:30:41.6	18.49	4.52	4.08	2.79	1.32	0.55	1.20	k
1317*	20:24:20.13	+38:18:18.6	10.77	2.28	1.75	1.15	0.49	0.17	0.49	f5 V
1318	20:24:20.23	+38:31:34.8	16.81	4.35	3.43	2.52	1.27	0.44	1.14	f4 V
1319	20:24:20.47	+38:25:15.0	17.76	4.96	3.98	2.90	1.52	0.53	1.36	f3 V
1320	20:24:20.70	+37:56:41.3	14.40			2.33	0.86	0.52		k4 V
1321	20:24:20.70	+38:27:46.0	17.12	4.00	3.07	2.15	1.10	0.39	0.96	f2 IV
1322	20:24:20.71	+38:28:10.4	14.85	2.74	2.20	1.55	0.72	0.25	0.67	f7 V
1323	20:24:20.74	+38:39:46.4	13.44	2.49	2.06	1.44	0.59	0.23	0.57	g2 V
1324	20:24:20.93	+38:06:19.9	14.39	3.13		1.72	0.81	0.29	0.76	f5 IV-V
1325	20:24:21.07	+38:28:40.1	17.59	4.61	4.13	2.90	1.15	0.60	1.21	k4 V
1326	20:24:21.10	+38:10:01.1	13.26	2.76	2.27	1.54	0.61	0.24	0.69	g
1327	20:24:21.20	+38:18:51.9	14.73	2.67	2.18	1.52	0.71	0.23	0.65	f8 V
1328	20:24:21.22	+39:01:46.0	14.39	2.94	2.37	1.62	0.74	0.26	0.71	f8 V
1329	20:24:21.24	+38:32:15.9	19.36	4.33		2.70	1.13	0.26	1.35	
1330	20:24:21.30	+38:30:20.6	19.02	4.31	3.25	2.54	1.29	0.44	1.13	
1331	20:24:21.40	+38:30:47.6	18.57	4.04	3.17	2.48	1.23	0.41	1.10	f6 V
1332	20:24:21.50	+38:57:36.3	14.38			2.08	0.78	0.43	0.89	k3 V
1333	20:24:21.77	+38:47:09.4	14.99			1.70	0.72	0.30	0.69	g5 V
1334	20:24:22.36	+38:35:52.9	16.03	3.05	2.55	1.77	0.76	0.27	0.75	g5 V
1335	20:24:22.47	+38:34:18.6	18.42			3.42	1.83	0.61	1.66	
1336	20:24:22.73	+38:26:57.8	14.74	3.75	2.81	1.82	0.97	0.34	0.82	b9.5 V
1337*	20:24:22.73	+38:33:22.7	12.41	2.34	1.79	1.15	0.51	0.17	0.49	f4 V
1338	20:24:23.04	+38:27:07.5	15.73	3.26	2.86	1.97	0.80	0.34	0.81	k0 V
1339	20:24:23.05	+38:30:33.5	14.73	3.33	2.55	1.73	0.94	0.31	0.77	b7 V
1340	20:24:23.19	+38:22:07.1	15.64	3.08	2.58	1.78	0.76	0.29	0.74	g0 V
1341	20:24:23.21	+38:40:55.9	13.03	2.42	2.05	1.40	0.59	0.20	0.59	g0 V
1342	20:24:23.24	+38:24:24.8	15.46	4.21	3.23	2.32	1.17	0.42	1.01	f3 IV
1343	20:24:23.74	+38:05:18.7	14.44	2.67	2.13	1.48	0.69	0.25	0.70	f6 V
1344	20:24:23.93	+38:17:07.4	13.88	2.97	2.52	1.69	0.66	0.29	0.66	g9 V
1345	20:24:24.10	+38:50:23.6	14.79	2.55	2.39	1.59	0.68	0.24	0.65	g5 V
1346	20:24:24.15	+38:32:52.8	14.56	2.63	2.12	1.48	0.67	0.24	0.62	f8 V
1347	20:24:24.37	+38:30:25.6	18.71	4.70	3.63	2.86	1.43	0.49	1.25	f
1348	20:24:24.57	+38:29:58.0	18.23	4.37	3.39	2.66	1.29	0.46	1.19	f
1349	20:24:24.60	+38:28:04.4	18.31	4.69	3.98	2.88	1.44	0.52	1.28	g
1350	20:24:24.61	+38:01:01.7	14.72	2.97	2.61	1.70	0.76	0.28	0.74	g0 V
1351	20:24:24.61	+38:31:08.8	17.85			3.66	1.69	0.61	1.52	
1352*	20:24:24.83	+38:40:25.4	13.71	2.84	2.36	1.61	0.66	0.27	0.61	g5 V
1353	20:24:25.05	+39:05:23.8	14.16	2.71	2.16	1.43	0.66	0.23	0.60	f5 V
1354	20:24:25.14	+38:56:03.5	13.14	2.46	1.99	1.36	0.58	0.22	0.61	f9 V
1355*	20:24:25.23	+38:29:06.9	10.12	1.53	1.18	0.66	0.34	0.11	0.27	b5 V
1356	20:24:25.46	+38:34:11.4	18.00	5.61	4.35	2.92	1.56	0.53	1.38	a
1357*	20:24:25.49	+38:28:31.0	12.85	2.36	1.83	1.17	0.53	0.18	0.49	f, **
1358	20:24:25.95	+38:31:11.7	13.63	3.30	2.56	1.86	1.01	0.34	0.85	b5
1359*	20:24:26.00	+38:57:51.1	7.96	0.87	0.62	0.33	0.13	0.05	0.13	b3 IV
1360*	20:24:26.02	+38:35:58.9	11.73	2.54	1.80	0.96	0.40	0.14	0.33	a7 IV
1361	20:24:26.15	+38:29:31.2	17.55	4.77	3.75	3.00	1.39	0.68	1.42	
1362	20:24:26.30	+38:22:51.7	14.76	4.00	3.06	2.11	1.15	0.40	0.97	b8 V

Table 2. 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
1363*	20:24:26.42	+38:48:59.0	8.74	4.56	3.90	2.71	0.96	0.46	0.89	k3 III
1364	20:24:26.71	+38:26:03.6	17.77	4.80	3.37	2.67	1.40	0.50	1.22	a-f
1365	20:24:26.93	+38:30:24.2	17.78	5.01	3.92	2.97	1.51	0.52	1.33	f5
1366	20:24:27.09	+38:11:51.2	13.10	2.92	2.30	1.56	0.71	0.26	0.67	f6 IV
1367	20:24:27.11	+38:01:28.8	12.76	2.25	1.73	1.20	0.52	0.20	0.53	f5 V
1368	20:24:27.21	+38:28:27.9	16.32	3.42	2.99	2.07	0.80	0.37	0.80	k1.5 V
1369	20:24:27.51	+38:48:13.8	13.10	2.66	2.21	1.50	0.62	0.23	0.61	g1 V
1370	20:24:27.55	+38:09:02.4	14.23	2.71	2.15	1.54	0.65	0.23	0.66	g0 V
1371	20:24:27.55	+38:34:26.9	17.06	5.22	4.06	3.03	1.65	0.56	1.53	
1372	20:24:27.57	+38:05:31.6	14.45			2.31	0.92	0.50	0.95	k3 V
1373*	20:24:27.59	+38:58:41.4	9.44	1.46	1.02	0.43	0.18	0.07	0.17	b8 V
1374	20:24:27.68	+38:59:32.0	13.76	2.63	2.23	1.47	0.60	0.22	0.61	g4 V
1375	20:24:27.89	+38:29:59.9	15.94	3.10	2.62	1.83	0.78	0.30	0.75	g7 V
1376	20:24:27.96	+38:13:31.3	14.88			2.16	1.19	0.41	1.00	b6
1377	20:24:27.97	+38:27:09.5	17.98	4.41	3.41	2.60	1.33	0.47	1.20	
1378*	20:24:28.10	+38:29:26.3	13.88	3.47	3.04	2.06	0.75	0.39	0.79	k3 V
1379	20:24:28.36	+38:17:00.5	14.88			2.17	1.22	0.39	1.01	b
1380*	20:24:28.64	+38:30:42.7	17.21	2.11	1.47	1.66	1.00	0.34	1.98	
1381	20:24:28.67	+39:01:36.4	12.51	2.61	2.05	1.41	0.61	0.22	0.60	f8 V
1382	20:24:28.87	+38:21:35.3	16.03	4.41	3.55	2.61	1.23	0.49	1.11	g
1383	20:24:29.11	+38:19:50.9	14.80			2.02	0.91	0.34	0.78	g2 V
1384	20:24:29.32	+38:29:17.7	18.51	4.64	3.74	2.68	1.46	0.47	1.23	b
1385	20:24:29.71	+39:02:37.3	13.25	3.48	2.88	1.96	0.80	0.33	0.76	g
1386	20:24:30.27	+38:30:21.4	15.47	4.55	3.51	2.41	1.31	0.44	1.12	b8.5 V
1387*	20:24:30.76	+38:27:46.9	13.73	2.51	1.98	1.34	0.61	0.21	0.56	f5 V
1388	20:24:31.65	+37:59:26.8	13.53	2.60	2.13	1.40	0.61	0.25	0.61	f8 V
1389	20:24:32.55	+38:27:41.4	14.09	3.48	2.93	2.01	0.88	0.34	0.82	g5 V
1390	20:24:32.56	+38:24:28.7	14.24	3.15	2.82	1.85	0.70	0.33	0.71	k1 V
1391*	20:24:32.77	+38:30:38.9	10.57	1.59	1.22	0.70	0.36	0.13	0.29	b6 V
1392	20:24:32.79	+39:05:17.5	12.32	2.40	1.89	1.28	0.55	0.20	0.55	f6 V
1393	20:24:32.85	+38:18:53.8	14.47	3.04	2.47	1.74	0.77	0.27	0.74	g1 V
1394	20:24:33.16	+39:00:09.7	13.34	2.37	1.93	1.22	0.54	0.18	0.54	f6 V
1395	20:24:33.69	+38:01:32.0	14.23	2.90	2.30	1.63	0.76	0.27	0.79	f6 V
1396	20:24:34.13	+37:58:12.0	12.81	3.92	2.78	1.72	0.84	0.33	0.72	ap:
1397	20:24:34.50	+39:00:04.3	14.98			2.61	1.45	0.49	1.24	b
1398	20:24:34.77	+37:59:53.6	14.72			2.16	1.09	0.43	0.93	a, **
1399	20:24:34.85	+38:31:59.2	16.13	4.38	3.80	2.63	1.07	0.54	1.10	k3 V
1400	20:24:34.90	+38:50:30.2	14.53	2.75	2.30	1.58	0.64	0.24	0.64	g6 V
1401	20:24:35.09	+38:01:01.3	13.39	3.01	2.29	1.60	0.74	0.29	0.70	f5 IV
1402	20:24:35.48	+38:54:16.6	11.99	2.51	1.98	1.36	0.59	0.21	0.58	f7 V
1403	20:24:35.61	+38:15:18.7	12.61	2.45	1.89	1.29	0.57	0.20	0.55	f5 V
1404	20:24:35.82	+38:05:12.1	12.57	2.26	1.77	1.18	0.50	0.17	0.52	f6 V
1405	20:24:36.07	+38:59:05.4	13.97	2.58	2.04	1.36	0.62	0.21	0.58	f5 V
1406	20:24:36.15	+38:52:17.8	13.28	2.31	1.79	1.21	0.54	0.19	0.52	f5 V
1407*	20:24:36.19	+38:26:35.1	11.91	2.37	1.74	1.01	0.44	0.15	0.41	f0 V
1408*	20:24:36.47	+38:19:42.0	12.65	3.16	2.42	1.79	0.99	0.33	0.82	b4 III-IV
1409	20:24:36.64	+38:58:02.1	14.49	2.54	2.03	1.43	0.63	0.20	0.65	f, **
1410	20:24:37.39	+38:04:50.7	13.74			3.93	1.75		1.51	k2 III
1411	20:24:37.63	+38:47:35.9	14.70	3.05	2.62	1.84	0.76	0.35	0.70	g9 V
1412	20:24:37.72	+38:25:53.3	14.10	2.51	2.04	1.44	0.61	0.24	0.60	g0 V
1413	20:24:37.92	+38:19:23.0	14.58	2.58	2.14	1.47	0.66	0.23	0.65	g0 V
1414	20:24:38.31	+37:59:44.6	13.55	4.05	2.85	2.00	0.99	0.37	0.90	f
1415	20:24:38.46	+37:58:11.4	13.42	2.80	2.17	1.45	0.65	0.26	0.65	f4 V
1416	20:24:38.64	+39:03:38.5	12.56	3.24	2.31	1.49	0.67	0.24	0.61	f5 I-II:
1417	20:24:39.01	+38:45:01.1	14.39			2.70	1.44	0.49	1.29	
1418	20:24:39.34	+38:02:11.2	14.71		2.72	1.65	0.55	0.30	0.84	a:
1419*	20:24:39.90	+38:21:46.5	12.46	2.53	1.82	0.99	0.42	0.13	0.34	a5 V
1420	20:24:39.96	+38:36:46.6	12.61	2.35	1.85	1.31	0.56	0.21	0.52	f8 V
1421	20:24:40.01	+38:35:59.9	16.14	4.10	3.48	2.46	0.91	0.58	0.98	k5 V
1422	20:24:40.14	+38:47:49.2	13.95	2.61	2.10	1.43	0.64	0.22	0.60	f8 V
1423	20:24:40.19	+38:34:14.5	16.16	4.13	3.67	2.49	0.89	0.59	0.92	k5 V
1424	20:24:40.43	+38:53:53.4	14.02	2.76	2.26	1.53	0.67	0.23	0.66	g0 V

Table 2. 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
1425	20:24:40.52	+37:56:43.9	13.75			1.75	0.89	0.30		a, **
1426	20:24:40.73	+38:34:22.0	16.47	3.51	3.13	2.12	0.81	0.41	0.84	k2 V
1427*	20:24:41.47	+38:17:19.4	11.37	2.33	1.75	1.09	0.47	0.16	0.47	f2 IV
1428	20:24:41.71	+39:02:43.9	14.52	3.00	2.35	1.63	0.76	0.27	0.71	f5 V
1429	20:24:42.09	+39:09:19.3	12.87	2.39	1.96	1.32	0.54	0.19	0.55	g1 V
1430	20:24:42.54	+38:13:45.0	13.23	3.29	2.52	1.83	1.03	0.34	0.84	b, **
1431	20:24:43.08	+38:00:00.8	14.32	3.46	2.55	1.59	0.85	0.32	0.74	b9 V
1432	20:24:43.45	+38:06:00.4	14.87			1.88	0.97	0.34	0.87	
1433	20:24:43.55	+38:58:46.4	14.97			2.02	0.78	0.37	0.73	k1.5 V
1434	20:24:44.05	+38:08:12.9	14.62			2.02	1.06	0.37	0.87	b-a
1435	20:24:44.25	+39:02:04.2	12.85	2.54	2.04	1.41	0.58	0.21	0.58	g1 V
1436	20:24:44.29	+38:11:24.8	14.23	2.88	2.43	1.62	0.66	0.26	0.64	g6 V
1437	20:24:44.93	+38:16:59.0	11.98	3.43	2.90	1.96	0.76	0.33	0.75	k0 IV
1438	20:24:45.23	+39:02:18.4	13.59	3.04	2.38	1.67	0.75	0.26	0.71	f8 IV
1439*	20:24:46.20	+37:59:34.3	10.61	1.76	1.29	0.68	0.34	0.15	0.32	b7 V
1440	20:24:46.51	+38:25:27.7	12.71	2.25	1.75	1.16	0.53	0.19	0.50	f5 V
1441	20:24:46.55	+38:23:02.9	12.88	2.50	2.02	1.40	0.61	0.23	0.58	g0 V
1442	20:24:46.62	+37:56:25.8	14.06			1.48	0.70	0.27	a-f	
1443	20:24:46.66	+38:23:32.8	14.95	2.75		1.58	0.76	0.25	0.68	f
1444*	20:24:47.47	+38:18:45.6	13.27	2.55	2.00	1.31	0.62	0.21	0.56	f5 V
1445	20:24:47.50	+38:10:58.5	13.77	3.58	2.80	1.96	1.11	0.38	0.89	b5 V
1446	20:24:48.20	+38:08:26.3	12.52	2.70	2.07	1.38	0.64	0.25	0.61	f3 IV-V
1447*	20:24:48.63	+38:49:00.9	10.26	2.20	1.61	0.92	0.38	0.15	0.30	f0 IV
1448	20:24:48.75	+39:05:11.7	14.30	2.83	2.23	1.57	0.71	0.26	0.68	f7 V
1449	20:24:49.08	+38:15:53.5	14.25	3.33	2.75	1.83	0.70	0.31	0.74	k0 IV
1450	20:24:49.37	+38:52:29.9	10.72	4.21	3.53	2.45	1.00	0.38	0.91	g8 III
1451	20:24:49.88	+39:07:40.7	12.38	2.49	1.88	1.27	0.56	0.21	0.55	f5 IV
1452*	20:24:49.95	+38:06:48.9	10.60	2.46	1.84	1.17	0.51	0.20	0.50	f3 IV
1453	20:24:49.96	+38:02:50.3	14.72	2.86	2.31	1.59	0.78	0.28	0.74	f, **
1454	20:24:50.01	+38:37:32.6	13.92	3.34	2.71	1.80	0.80	0.29	0.74	g1
1455*	20:24:50.37	+38:18:34.6	11.75	3.31	2.59	1.96	1.08	0.38	0.91	b3 III-IV
1456	20:24:52.07	+38:27:14.3	13.02	2.46	1.98	1.31	0.59	0.20	0.54	f6 V
1457	20:24:52.08	+38:21:45.2	14.85			1.95	1.07	0.39	0.90	b, **
1458*	20:24:52.14	+38:58:00.6	10.44	2.64	2.04	1.47	0.76	0.27	0.67	b3 or f7sd
1459	20:24:52.31	+38:10:09.1	14.82			2.02	1.11	0.37	0.91	b
1460	20:24:52.38	+38:04:38.7	13.18	2.48	1.99	1.36	0.57	0.21	0.59	f9 V
1461	20:24:52.46	+38:40:19.0	12.25	2.39	1.83	1.19	0.54	0.19	0.51	f3 V
1462	20:24:52.73	+38:58:19.7	13.63	3.14	2.32	1.56	0.74	0.25	0.71	f
1463	20:24:52.79	+38:41:56.6	14.17			2.69	1.80	0.80	0.34	g, **
1464	20:24:52.90	+38:01:09.1	14.49	3.39	2.36	1.61	0.89	0.32	0.75	
1465	20:24:53.77	+38:04:28.1	13.71	2.87	2.49	1.67	0.70	0.30	0.69	g8 V
1466	20:24:54.11	+38:04:54.9	14.60	2.93	2.35	1.58	0.75	0.27	0.77	f5 V
1467	20:24:54.35	+39:09:10.8	13.47	2.79	2.30	1.52	0.65	0.23	0.64	g2 V
1468	20:24:54.57	+38:11:17.7	14.41	3.06	2.63	1.75	0.72	0.30	0.73	g8 V
1469	20:24:55.03	+37:56:14.8	13.49			2.35	1.42	0.69	0.26	a, **
1470*	20:24:55.19	+38:33:27.2	11.33	2.30	1.76	1.09	0.46	0.16	0.45	f2 V
1471	20:24:55.32	+38:46:52.8	13.98	3.04	2.54	1.72	0.69	0.28	0.73	g8 V
1472	20:24:56.34	+38:14:24.8	14.55			2.90	1.96	0.86	0.34	g, **
1473	20:24:56.37	+38:48:05.9	14.73	2.86	2.42	1.69	0.66	0.25	0.61	g
1474*	20:24:57.24	+38:06:40.5	8.96	3.00	2.31	1.49	0.62	0.26	0.63	g0 III
1475	20:24:57.44	+38:37:37.7	14.84	2.89	2.47	1.63	0.72	0.25	0.65	g
1476	20:24:57.66	+38:08:08.0	14.79			2.11	1.06	0.33	0.94	a-f
1477	20:24:57.68	+38:49:50.6	11.62	3.36	2.85	1.95	0.76	0.31	0.74	g8 IV
1478	20:24:57.79	+38:07:34.3	13.10	2.79	2.12	1.38	0.64	0.24	0.61	f, **
1479	20:24:57.81	+38:40:18.6	14.27	2.90	2.19	1.54	0.71	0.23	0.67	f-g
1480	20:24:58.08	+38:25:04.8	12.76	2.46	1.96	1.29	0.58	0.20	0.56	f5 V
1481	20:24:58.34	+39:00:25.5	14.42	2.81	2.39	1.55	0.66	0.27	0.65	g
1482*	20:24:58.36	+38:25:39.6	11.01	2.24	1.68	0.98	0.40	0.09	0.54	
1483	20:24:58.66	+38:44:04.5	14.08	3.24	2.75	1.88	0.73	0.34	0.71	k0.5 V
1484	20:24:59.85	+38:11:58.8	14.96			2.07	1.08	0.42	0.95	
1485*	20:24:59.94	+38:26:05.1	12.76	2.63	2.12	1.43	0.63	0.23	0.58	f8 V
1486	20:25:00.11	+38:17:58.0	13.72	3.16	2.77	1.84	0.70	0.35	0.71	k1.5 V

Table 2. 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
1487	20:25:00.40	+38:09:53.3	11.46	2.60	2.04	1.39	0.59	0.22	0.59	f8 IV
1488*	20:25:00.51	+38:14:41.1	11.91	2.86	2.36	1.78	1.02	0.36	1.10	b1 IV
1489	20:25:00.64	+39:02:52.5	14.97	2.56	1.97	1.46	0.65	0.22	0.63	f-g
1490	20:25:00.81	+38:04:29.1	14.11	3.00	2.32	1.59	0.77	0.29	0.69	f3 V
1491	20:25:00.82	+38:06:37.0	13.77	4.20	3.18	1.90	1.02	0.37	0.83	a, **
1492	20:25:01.20	+38:10:09.5	14.58			3.15	1.54	0.58	1.37	g5
1493	20:25:01.21	+38:03:31.0	14.67	3.13	2.69	1.76	0.75	0.31	0.71	g, **
1494	20:25:02.24	+38:49:07.5	13.59	3.41	3.00	1.96	0.75	0.38	0.77	k
1495	20:25:02.53	+38:04:19.4	12.03	2.22	1.73	1.14	0.50	0.19	0.51	f, **
1496	20:25:02.68	+38:27:59.5	13.09	2.49	2.09	1.38	0.59	0.21	0.56	g0 V
1497	20:25:02.84	+37:59:00.6	13.43	2.53	2.00	1.37	0.58	0.22	0.58	f8 V
1498	20:25:02.90	+38:02:34.8	10.16	4.05	3.42	2.36	0.90	0.38	0.83	k0.5 III
1499	20:25:03.20	+38:49:19.9	12.86	2.48	2.08	1.43	0.58	0.24	0.60	g3 V
1500	20:25:04.43	+37:59:23.9	13.57	2.57	2.02	1.35	0.61	0.25	0.60	f
1501	20:25:05.97	+38:23:33.7	12.88	3.90	3.31	2.22	0.94	0.36	0.85	g8 III
1502*	20:25:06.33	+38:48:43.1	12.34	2.62	2.08	1.39	0.59	0.22	0.57	f9 IV-V
1503	20:25:06.34	+39:02:23.9	12.30	3.61	3.04	2.06	0.81	0.32	0.78	g8 III-IV
1504	20:25:06.56	+38:43:31.0	12.54	2.97	2.59	1.71	0.67	0.30	0.70	k0 V
1505	20:25:06.86	+38:14:51.7	12.20	3.19	2.40	1.72	0.94	0.32	0.80	b5 IV
1506	20:25:06.99	+38:04:35.6	14.83			2.35	0.83	0.51	0.85	k4 V
1507	20:25:07.03	+38:45:01.8	12.95	2.30	1.85	1.27	0.56	0.20	0.54	f8 V
1508	20:25:07.08	+38:12:53.5	14.31			2.13	1.10	0.37	0.93	a2 IV
1509*	20:25:07.55	+38:19:28.5	12.36	2.37	1.75	1.02	0.45	0.14	0.42	f0 V
1510	20:25:07.63	+38:56:05.8	13.65	2.42	1.95	1.34	0.60	0.21	0.59	f8 V
1511	20:25:07.92	+38:32:34.2	14.56	2.88	2.32	1.61	0.71	0.24	0.66	f9 V
1512	20:25:08.40	+38:26:47.6	13.74	2.72	2.11	1.36	0.70	0.22	0.57	b6 IV-V
1513*	20:25:08.44	+38:36:27.0	12.04	2.51	1.82	0.92	0.39	0.13	0.33	a3 V
1514	20:25:08.45	+38:20:01.9	13.25	2.40	1.98	1.34	0.56	0.18	0.65	g
1515	20:25:08.60	+38:21:20.3	13.75	2.66	2.26	1.53	0.66	0.23	0.63	g3 IV-V
1516*	20:25:08.66	+38:29:23.1	12.14	2.34	1.77	1.04	0.44	0.14	0.41	f0 V
1517	20:25:08.80	+39:02:57.4	11.23	3.59	2.75	2.15	1.16	0.41	1.01	b, **
1518	20:25:08.91	+38:11:58.3	12.10	2.90	2.17	1.47	0.67	0.25	0.64	f3 IV
1519*	20:25:09.13	+38:42:43.1	10.78	2.11	1.68	1.10	0.46	0.16	0.46	f6 V
1520	20:25:09.21	+38:03:20.9	13.57	2.42	1.95	1.36	0.61	0.23	0.59	f8 V
1521	20:25:09.78	+38:33:58.7	14.82	2.87	2.46	1.66	0.76	0.27	0.67	
1522	20:25:10.28	+38:26:50.5	13.59	2.51	2.09	1.42	0.60	0.22	0.59	g1 V
1523	20:25:10.46	+38:13:34.8	14.73	2.88	2.46	1.70	0.72	0.27	0.67	g5 V
1524	20:25:10.66	+37:56:13.2	14.23			1.40	0.63	0.23		f2 V
1525	20:25:11.22	+38:27:40.0	12.82	2.52	2.10	1.41	0.60	0.21	0.57	g1 V
1526	20:25:11.22	+38:43:40.8	13.54	2.51	2.08	1.38	0.59	0.20	0.58	f9 V
1527	20:25:11.46	+38:12:13.6	13.84	3.28	2.72	1.78	0.80	0.34	0.63	g, **
1528	20:25:11.46	+38:19:30.4	14.77	2.71	2.29	1.51	0.66	0.24	0.64	g0 V
1529	20:25:12.08	+38:18:33.0	14.61		2.94	1.84	0.96	0.31	0.79	a1 IV
1530*	20:25:12.41	+38:45:56.5	11.11	2.26	1.67	0.90	0.34	0.12	0.34	a7 V
1531*	20:25:12.63	+38:43:09.2	13.31	3.65	3.07	2.05	0.93	0.39	0.83	g, **
1532	20:25:12.93	+38:05:32.7	10.90	2.34	1.85	1.20	0.51	0.21	0.51	f, **
1533	20:25:13.50	+39:04:49.8	14.74			1.83	0.75	0.34	0.77	g9 V
1534*	20:25:13.95	+38:38:02.1	12.26	2.63	2.17	1.45	0.60	0.22	0.58	g, **
1535	20:25:13.99	+38:20:07.0	14.60	2.85	2.37	1.63	0.69	0.25	0.63	g4 V
1536	20:25:14.37	+38:06:09.5	13.03	2.61	2.20	1.41	0.59	0.23	0.59	g1 V
1537	20:25:15.69	+38:26:08.9	14.45	2.89	2.38	1.59	0.67	0.25	0.64	g3 IV-V
1538	20:25:15.76	+38:19:13.3	14.68	2.59	2.13	1.42	0.66	0.22	0.63	f5 V
1539	20:25:15.99	+38:58:16.7	13.55	2.77	2.33	1.50	0.65	0.24	0.61	g1: IV-V
1540	20:25:16.37	+38:05:32.0	12.96	2.63	2.11	1.36	0.59	0.23	0.57	f7 V
1541	20:25:16.60	+38:15:30.4	13.54	2.87	2.37	1.61	0.72	0.25	0.67	f9 V
1542*	20:25:17.32	+38:39:36.1	12.92	2.62	2.07	1.39	0.64	0.21	0.59	f5 V
1543	20:25:17.50	+38:26:25.3	14.09	2.22	1.87	1.27	0.59	0.20	0.58	f8 V, sd:
1544	20:25:17.85	+38:02:18.5	10.49	2.07	1.41	0.59	0.22	0.10	0.19	A1 V
1545	20:25:18.18	+38:09:31.2	13.14	3.75	2.97	2.12	0.98	0.37	0.90	g
1546*	20:25:18.31	+38:37:44.5	10.89	2.40	1.97	1.31	0.55	0.19	0.54	g0 V
1547	20:25:18.51	+39:03:12.9	11.20	2.38	1.86	1.21	0.50	0.20	0.52	f6 V
1548	20:25:18.65	+38:10:35.9	13.02			3.12	1.37	0.52	1.19	k0 III

Table 2. 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
1549	20:25:18.87	+38:54:41.8	14.66	2.66	2.13	1.48	0.65	0.24	0.61	f8 V
1550	20:25:20.38	+38:04:49.0	14.21	3.13	2.46	1.75	0.77	0.29	0.75	f9 IV
1551	20:25:20.49	+38:32:46.9	14.55			2.15	1.22	0.38	1.04	b2
1552	20:25:20.56	+37:56:45.9	14.72			1.74	0.98	0.31		b3
1553	20:25:20.71	+38:12:19.9	14.61	2.68	2.18	1.52	0.66	0.24	0.60	g0 V
1554	20:25:21.05	+38:25:27.8	13.85	2.55	2.16	1.43	0.64	0.23	0.57	g1 V
1555	20:25:21.19	+38:37:28.2	14.79			2.13	0.77	0.41	0.80	k3 V
1556	20:25:21.93	+39:05:23.8	12.83	2.37	1.85	1.24	0.54	0.20	0.52	f5 V
1557	20:25:21.94	+38:32:18.0	14.26	3.69	2.93	2.06	1.14	0.37	0.93	b, **
1558	20:25:22.03	+37:59:20.8	13.60	2.56	2.16	1.45	0.59	0.24	0.60	g5 V
1559*	20:25:22.38	+38:47:25.7	11.92	4.24	3.26	2.50	1.37	0.47	1.21	b
1560	20:25:22.42	+38:52:07.8	13.34	2.37	1.89	1.32	0.56	0.20	0.57	f8 V
1561	20:25:22.59	+38:10:49.3	14.16	3.67	2.80	1.88	0.95	0.33	0.84	f0 V
1562	20:25:22.84	+38:55:05.8	14.28	2.93	2.46	1.66	0.68	0.30	0.69	g8 V
1563	20:25:23.06	+37:57:49.0	14.19	2.53	2.04	1.42	0.63	0.23	0.60	g0 V
1564	20:25:23.21	+39:07:09.1	14.13	2.69	2.12	1.43	0.65	0.26	0.60	f6 V
1565	20:25:23.33	+38:43:58.9	13.88	2.99	2.32	1.66	0.81	0.27	0.72	f6 V
1566	20:25:23.70	+39:05:28.1	14.97			1.75	0.82	0.29	0.69	f5 V
1567	20:25:24.28	+38:39:20.9	14.99			1.81	0.73	0.31	0.71	g9 V
1568	20:25:24.32	+38:53:55.7	14.93	2.79		1.61	0.67	0.23	0.67	g5 V
1569	20:25:24.72	+38:26:40.1	14.39	3.26	2.78	1.80	0.71	0.26	0.68	g, **
1570	20:25:24.79	+39:06:36.1	14.07	2.67	2.09	1.44	0.64	0.24	0.58	f6 V
1571	20:25:24.95	+38:34:44.6	13.39	2.40	1.95	1.28	0.57	0.18	0.55	f6 V
1572*	20:25:25.37	+38:29:38.7	12.37	2.76	2.08	1.28	0.56	0.20	0.50	f0 V
1573	20:25:25.86	+38:49:07.8	14.24	2.62	2.21	1.48	0.62	0.25	0.59	g5 V
1574	20:25:26.49	+38:00:37.0	13.20	2.87	2.25	1.53	0.67	0.26	0.65	f9 IV
1575	20:25:26.72	+39:08:54.9	14.12	2.63	1.99	1.40	0.63	0.21	0.58	f-g
1576*	20:25:26.87	+38:47:22.7	12.76	2.43	1.88	1.19	0.52	0.17	0.50	f2 V
1577	20:25:26.90	+38:55:17.1	13.84	2.58	2.13	1.45	0.66	0.26	0.60	f9 V
1578	20:25:26.93	+38:59:04.3	13.99	3.28	2.82	1.88	0.71	0.34	0.72	k1 V
1579	20:25:26.98	+38:49:19.5	14.82	3.05	2.53	1.64	0.81	0.28	0.74	f, **
1580	20:25:28.27	+38:49:24.6	13.77	3.70	2.80	2.07	1.15	0.37	1.02	b:
1581	20:25:28.27	+38:59:26.4	13.47	2.90	2.44	1.64	0.73	0.32	0.69	g, **
1582	20:25:28.52	+38:12:56.5	14.25	2.52	2.13	1.46	0.64	0.24	0.63	g, **
1583	20:25:28.72	+38:17:36.3	12.18	2.52	1.85	1.03	0.41	0.16	0.36	a7 V
1584	20:25:30.16	+38:10:19.5	11.69	4.03	3.36	2.33	0.96	0.37	0.90	g8 III
1585	20:25:30.20	+38:35:59.7	13.86	2.59	2.17	1.46	0.61	0.22	0.59	g4 V
1586	20:25:31.52	+38:10:52.0	14.24	2.81	2.34	1.56	0.63	0.24	0.66	g5 V
1587	20:25:31.56	+38:42:24.5	12.44	2.41	1.99	1.33	0.57	0.19	0.55	f8 V
1588	20:25:31.61	+38:47:23.2	14.17	3.50		2.04	0.72	0.38	0.75	k3 V
1589	20:25:31.63	+38:04:01.7	14.62	3.00	2.39	1.60	0.72	0.25	0.74	f8 V
1590	20:25:32.06	+38:37:10.8	14.60	3.10		1.74	0.69	0.29	0.67	g8 V
1591	20:25:32.12	+38:01:55.2	13.73	2.44	1.94	1.30	0.55	0.22	0.55	f8 V
1592	20:25:32.33	+38:11:35.4	12.10	2.99	2.09	1.30	0.68	0.23	0.57	b9 III
1593	20:25:32.52	+37:59:42.3	13.26	2.51	2.02	1.36	0.59	0.22	0.56	f, **
1594	20:25:32.62	+38:22:43.2	13.64	2.31	1.80	1.22	0.57	0.18	0.53	f5 V
1595	20:25:32.79	+38:19:39.2	13.62	2.69	2.29	1.50	0.64	0.22	0.62	g4 V
1596	20:25:33.25	+37:59:29.5	11.94	3.14	2.41	1.73	0.94	0.34	0.77	b6 IV
1597	20:25:33.92	+38:07:47.1	14.10			3.32	1.55	0.56	1.36	g8 III
1598	20:25:34.03	+37:57:44.1	13.24	2.74	2.05	1.20	0.52	0.20	0.48	a7 V
1599	20:25:34.14	+38:46:00.4	14.54	2.16	1.72	1.20	0.60	0.18	0.61	f, sd:
1600	20:25:34.17	+37:58:40.0	13.39			2.69	1.36	0.50	1.26	f, **
1601	20:25:34.34	+38:54:11.3	9.96	4.84	4.07	2.82	1.07	0.48	0.99	k3 III
1602	20:25:35.00	+38:58:20.6	14.59			2.83	1.86	0.83	0.33	0.75
1603	20:25:35.06	+38:44:43.8	14.00			2.97	1.86	0.97	0.34	0.77
1604	20:25:35.09	+38:25:09.3	12.40	2.67	1.87	1.00	0.52	0.17	0.37	b9.5 V
1605	20:25:35.19	+38:01:54.4	14.42			2.92	1.81	0.99	0.35	0.80
1606	20:25:35.26	+38:44:16.5	12.21	2.55	2.12	1.46	0.62	0.23	0.61	g2 V
1607	20:25:35.64	+38:02:39.7	13.35	2.38	1.96	1.29	0.58	0.21	0.58	f, **
1608	20:25:35.65	+38:29:39.3	11.08	3.44	2.96	2.00	0.75	0.36	0.77	k2 V
1609	20:25:35.74	+39:08:21.8	12.79	3.25	2.77	1.81	0.68	0.31	0.71	k1 V
1610	20:25:36.18	+38:46:33.8	12.67	2.41	1.95	1.33	0.56	0.21	0.54	f9 V

Table 2. 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
1611	20:25:36.63	+38:27:22.5	14.64		2.55:	1.73	0.71	0.27	0.69	g
1612*	20:25:36.94	+38:44:31.1	12.22	3.08	2.41	1.85	1.01	0.34	0.88	b2 III-IV
1613	20:25:37.72	+38:57:40.0	14.40	2.91		1.55	0.72	0.26	0.66	f5 V
1614	20:25:37.74	+39:08:58.8	12.02	2.20	1.66	1.07	0.47	0.16	0.47	f5 V
1615	20:25:38.00	+38:01:21.7	12.79	3.51	3.07	2.03	0.74	0.41	0.78	k3 V
1616	20:25:38.33	+37:57:38.2	13.99	2.76	2.23	1.54	0.69	0.27	0.68	f9 V
1617	20:25:38.53	+39:00:29.2	14.49			2.64	1.41	0.46	1.24	a-f
1618	20:25:39.05	+38:00:25.6	14.43			1.97	1.09	0.38:	0.89:	b
1619	20:25:39.38	+38:54:30.1	14.94	2.88:		1.66	0.72	0.25	0.67	g2 V
1620	20:25:39.58	+38:40:49.1	14.31			3.39	1.56	0.59	1.38	g9 III
1621	20:25:39.67	+38:00:07.0	11.08	4.39	3.38	2.50	1.31	0.50	1.24	
1622	20:25:39.87	+38:50:09.3	14.04	2.52		1.40	0.58	0.20	0.59	f9 IV-V
1623	20:25:40.08	+38:47:49.4	13.06	2.79	2.30	1.53	0.62	0.26	0.61	g, **
1624	20:25:41.44	+39:07:17.0	11.82	2.24	1.72	1.11	0.47	0.18	0.48	f5 V
1625	20:25:42.01	+38:30:33.4	13.93	2.95	2.55:	1.68	0.66	0.26	0.65	g9 V:
1626	20:25:42.28	+37:57:32.0	14.01	2.85	2.39:	1.62	0.67	0.28	0.67	g6 V
1627	20:25:42.45	+37:55:55.3	12.77		2.93:	1.85	0.91	0.31	0.69	a5: IV
1628	20:25:44.03	+37:56:50.4	13.14			4.35	2.14	0.67	1.96	m4 III
1629	20:25:44.25	+38:09:52.0	14.95	3.02:		1.77	0.71	0.32	0.77	k0 V
1630*	20:25:44.60	+38:46:25.6	10.61	2.32	1.70	0.87	0.33	0.12	0.29	a6 V
1631	20:25:45.29	+38:28:02.2	13.42	2.98	2.55	1.68	0.67	0.28	0.67	g8 V
1632	20:25:45.34	+39:02:08.8	14.60			1.81	0.74	0.30	0.77	g7 V
1633	20:25:45.44	+38:51:48.1	10.90	4.45	3.80	2.57	0.95	0.42	0.89	k2 III
1634	20:25:45.78	+39:00:09.5	14.97			2.55	1.37	0.48	1.15	al
1635	20:25:46.17	+38:01:06.2	12.46			4.05	1.69	0.71	1.48	k3 III
1636*	20:25:46.99	+38:07:00.4	14.78			1.81	0.98	0.33	0.86	b
1637	20:25:47.49	+38:10:44.4	14.30	2.79	2.28:	1.58	0.66	0.24	0.65	g, **
1638	20:25:48.43	+38:02:11.8	13.06	2.33	1.91	1.30	0.54	0.20	0.56	g1 V
1639	20:25:48.81	+37:56:12.5	14.10	2.85		1.57	0.72	0.23		f7 V
1640	20:25:48.87	+38:58:16.1	12.90	3.54	2.74	1.98	1.06	0.37	0.91	b5 IV
1641	20:25:49.04	+38:47:29.3	12.39	2.42	1.94	1.32	0.55	0.19	0.55	f9 V
1642	20:25:50.29	+38:27:58.9	12.68	2.33	1.91	1.29	0.56	0.20	0.55	f9 V
1643	20:25:51.15	+39:03:02.1	11.84	2.80	2.27	1.55	0.66	0.26	0.65	g1 IV-V
1644	20:25:51.24	+38:00:50.8	13.02	2.94	2.09	1.24	0.53	0.20	0.47	a, **
1645	20:25:51.27	+38:53:05.7	13.06	2.65	2.04	1.38	0.64	0.22	0.58	f4 IV-V
1646	20:25:51.67	+38:57:42.5	13.57	2.99:		1.65	0.69	0.28:	0.65	g3 IV
1647	20:25:52.43	+39:04:22.3	14.46			2.08	1.12	0.37	0.95	b5:
1648	20:25:52.48	+38:27:44.0	12.39	2.40	1.98	1.32	0.55	0.21	0.54	g2 V
1649	20:25:52.74	+38:57:35.1	13.99	3.37		1.85	0.70	0.33	0.75	k1 V:
1650	20:25:54.92	+38:15:21.5	14.49			1.85	0.70	0.29	0.71	k0 IV
1651	20:25:55.10	+39:00:03.3	12.06	2.49	2.02	1.34	0.55	0.22	0.54	g1 V
1652	20:25:55.60	+39:00:50.0	10.90	2.13	1.65	0.92	0.37	0.14	0.35	a9 V
1653	20:25:55.66	+38:37:24.8	11.77	3.98	3.50	2.41	0.82	0.53	0.89	k4 V
1654	20:25:56.19	+38:20:38.5	12.48	2.30	1.83	1.19	0.52	0.19	0.54	f5 V
1655	20:25:56.39	+38:44:29.6	14.91			1.90	0.90	0.29	0.74	f7 V:
1656	20:25:56.58	+38:43:56.7	13.35	3.07	2.59	1.71	0.71	0.28	0.68	g5 IV
1657	20:25:56.80	+37:57:27.6	11.71	2.48	2.01	1.34	0.53	0.22	0.55	g, **
1658	20:25:57.68	+39:04:39.5	13.52	3.67		2.02	1.06	0.37	0.92	b-a
1659	20:25:58.00	+38:58:55.5	11.94	2.70	2.23	1.49	0.61	0.28	0.62	g4 V
1660*	20:25:58.04	+38:21:07.7	11.23			5.38	3.01	0.93	2.85	
1661	20:25:58.36	+37:57:10.0	12.10	2.34	1.78	1.09	0.44	0.19		f5:
1662	20:25:58.73	+37:58:18.4	13.78	2.94		1.72	0.66	0.32	0.69	k0 V:
1663	20:25:58.84	+38:08:45.9	10.77	2.58	2.00	1.39	0.77	0.29	0.64	b3 V
1664	20:25:59.16	+38:26:29.3	12.34	2.38	1.82	1.13	0.49	0.17	0.46	f2 V
1665	20:25:59.65	+38:04:28.3	11.62	2.35	1.81	1.13	0.47	0.19	0.47	f3 IV
1666*	20:25:59.98	+38:52:14.0	12.38	3.56	2.76	1.99	1.06	0.37	0.93	b, **
1667	20:26:00.32	+39:01:33.9	11.45	2.46	1.91	1.25	0.52	0.19	0.52	f, **
1668	20:26:01.16	+38:33:52.1	14.66			1.61	0.78	0.25	0.70	a7:
1669	20:26:01.86	+37:58:57.1	14.91			2.88	1.12	0.60	1.24	m2 V
1670	20:26:02.03	+39:03:57.5	12.82	2.46	2.03	1.43	0.59	0.24	0.62	g3 V
1671	20:26:02.45	+39:00:20.8	12.55	2.41	1.93	1.31	0.56	0.22	0.55	f8 V
1672	20:26:03.76	+38:40:01.3	12.95	3.28	2.53	1.81	0.97	0.33	0.82	b5 IV-V

Table 2. 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
1673	20:26:04.42	+38:17:16.2	14.47			1.72	0.70	0.28	0.70	g6 IV
1674	20:26:04.71	+38:43:29.7	11.11	2.32	1.83	1.20	0.51	0.19	0.52	f ₁ **
1675	20:26:04.78	+38:52:01.8	13.29	2.90	2.37	1.55	0.65	0.23	0.66	g2 IV-V
1676	20:26:06.96	+38:33:32.2	12.65	2.34	1.79	1.12	0.52	0.17	0.48	f ₁ **
1677	20:26:08.28	+38:59:03.1	11.52	3.62	3.04	2.08	0.83	0.34	0.80	g9 IV
1678	20:26:08.48	+38:55:06.5	13.01	2.58	2.18	1.43	0.59	0.22	0.58	g5 V
1679	20:26:08.91	+38:17:48.1	12.96	2.79	2.03	1.12	0.49	0.16	0.41	a6 IV-V
1680	20:26:08.98	+38:43:49.4	12.73	3.97	2.85	1.83	0.90	0.31	0.80	a-f
1681*	20:26:10.12	+38:51:41.1	7.97	2.40	1.57	0.75	0.31	0.12	0.34	a1 IV
1682	20:26:14.92	+37:59:01.3	12.69	2.41	1.79	1.16	0.50	0.22	0.44	f ₁ **
1683	20:26:15.08	+39:04:11.9	12.15	2.51	1.94	1.32	0.55	0.20	0.55	f8 IV
1684*	20:26:17.11	+38:46:03.8	11.38	2.31	1.83	1.19	0.49	0.17	0.49	f8 IV
1685	20:26:18.85	+38:18:50.0	11.51	5.00	4.26	2.91	1.13	0.48	1.02	k2.5 III
1686	20:26:19.02	+38:15:46.6	11.30	2.16	1.69	1.05	0.42	0.14	0.48	f5 V
1687	20:26:21.74	+38:20:28.6	12.07	2.40	1.88	1.18	0.50	0.18	0.49	f5 V
1688	20:26:24.01	+37:56:35.5	12.15	2.47		1.41	0.56	0.21	0.55	g4 IV:
1689	20:26:24.22	+39:00:07.8	12.15	2.36:	1.83:	1.15	0.48	0.19	0.47	f4 IV-V
1690	20:26:24.89	+38:48:20.3	11.71	3.97	3.33	2.26	0.85	0.40	0.83	k1 III-IV
1691	20:26:25.36	+38:19:28.9	12.10	2.89	2.44	1.58	0.63	0.25	0.63	g7 IV
1692	20:26:25.62	+38:16:03.0	10.26	3.99	3.39	2.31	0.88	0.36	0.83	k0.5 III
1693	20:26:27.76	+38:01:44.2	12.88	3.58	2.57	1.64	0.86	0.31	0.73	a0 III
1694	20:26:29.15	+37:58:54.1	14.20			1.59	0.63	0.21		
1695*	20:26:29.38	+38:40:35.3	10.22	2.40	1.70	0.81	0.32	0.12	0.29	a5 V
1696	20:26:29.42	+38:24:52.7	13.09	2.65	2.03	1.20	0.54	0.19	0.48	a8 V
1697	20:26:30.34	+38:34:19.9	13.23			1.59	0.65	0.24	0.64	f-g
1698	20:26:30.65	+38:46:45.9	13.48	3.66:		1.67	0.83	0.26	0.72	a3
1699	20:26:31.86	+38:54:58.9	10.94	5.84	4.74	3.48	1.58	0.60	1.39	k
1700	20:26:32.27	+38:55:58.1	11.90	3.59	3.11	2.01	0.72	0.37	0.73	k1 IV:
1701	20:26:32.85	+38:47:29.9	12.95	2.62	2.20	1.48	0.60	0.23	0.59	g5 V
1702	20:26:33.12	+38:43:32.9	13.30	2.49		1.34	0.60	0.21	0.58	f ₁ **
1703	20:26:33.94	+38:01:20.7	12.46	3.36:	2.56	1.87	0.97	0.35	0.85:	
1704	20:26:34.38	+39:05:02.6	13.07	4.30	2.97:	1.89	0.94	0.32	0.82	
1705	20:26:34.73	+39:02:19.7	13.48	2.70		1.50	0.61	0.24	0.59	g5 IV-V
1706	20:26:35.37	+38:01:22.3	12.90	2.91:	2.29:	1.55	0.68	0.27	0.63	f7 IV-V
1707	20:26:35.55	+38:29:22.3	11.42	4.93	4.20	2.87	1.10	0.51	0.99	k2.5 III
1708	20:26:36.77	+38:26:40.3	11.03	3.57	3.03	2.05	0.80	0.33	0.76	k0 IV
1709	20:26:36.98	+38:42:30.1	12.95	2.40	1.86	1.15	0.51	0.17	0.49	f2 V
1710	20:26:37.10	+38:15:39.9	12.31	2.96	2.30	1.60	0.88	0.31	0.72	b5 IV-V
1711	20:26:37.82	+38:53:25.1	12.93	2.71	2.30	1.51	0.60	0.23	0.61	g7 IV-V
1712	20:26:38.29	+38:37:14.1	13.24	2.60:		1.46	0.60	0.23:	0.61:	g0 V:
1713	20:26:39.20	+38:16:51.4	12.09			4.13	1.76	0.71	1.55	k3 III
1714	20:26:39.51	+37:57:50.1	12.57	2.94:		1.69	0.63	0.25	0.65	g8 IV
1715	20:26:39.96	+38:44:37.2	13.03	2.28	1.80	1.14	0.51	0.17	0.48	f5 V
1716	20:26:40.13	+38:12:07.7	12.66	2.81	2.29	1.56	0.64	0.24	0.62	g2 IV
1717	20:26:40.27	+39:01:09.2	10.79	3.28	2.67	1.81	0.74	0.28	0.71	g6 III
1718	20:26:40.83	+38:37:30.2	12.78	3.23	2.53	1.90	1.03	0.35	0.88	b3 IV:
1719*	20:26:41.59	+38:25:11.0	9.19	2.09	1.51	0.62	0.23	0.09	0.21	a3 V
1720	20:26:41.83	+38:47:06.9	13.15			4.33	1.81	0.74	1.60	k4 III:
1721	20:26:42.15	+38:03:05.6	13.00	3.11		1.43	0.76	0.27	0.65	b8 IV
1722	20:26:42.15	+38:52:01.9	10.72	2.16	1.68	1.04	0.44	0.16	0.44	f4 V
1723	20:26:43.21	+38:46:41.2	13.11			2.95	1.31	0.47	1.15	g8 III
1724	20:26:44.74	+38:22:36.6	11.30	2.29	1.72	0.94	0.37	0.13	0.39	f0 IV
1725	20:26:45.34	+37:57:40.5	12.69			1.78	0.89	0.30	0.78	a-f
1726	20:26:48.82	+38:29:39.7	12.95	2.64	2.11	1.35	0.62	0.21	0.56	f3 V
1727	20:26:49.37	+38:48:44.0	13.03	2.95		1.54	0.67	0.22	0.64	f-g
1728	20:26:49.65	+38:38:11.8	10.46	3.76	3.19	2.13	0.83	0.33	0.78	k0 III
1729	20:26:50.42	+38:57:28.6	13.26	2.73	2.24	1.46	0.60	0.21	0.58	g2 V
1730	20:26:50.51	+38:35:38.3	12.51	3.06	2.47	1.67	0.91	0.30	0.78	b6 V
1731	20:26:51.04	+38:52:10.1	11.65	2.43	1.80	1.10	0.46	0.17	0.46	f1 V
1732	20:26:53.03	+38:37:19.5	12.47	3.44		1.86	1.00	0.33	0.86	b
1733	20:26:54.58	+38:22:35.9	13.08			4.22	1.80	0.75	1.60	k3 III
1734	20:26:55.40	+38:55:56.2	10.06	2.08	1.50	0.71	0.23	0.05	0.29	a7 V

Table 2. 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
1735*	20:26:55.72	+38:12:52.6	11.72	2.53	2.11	1.51	0.85	0.26	1.02	b
1736	20:26:55.75	+39:02:44.7	11.85	3.12	2.41	1.69	0.90	0.39	0.79	b5:
1737	20:26:56.45	+38:15:47.7	11.96	2.36		1.11	0.48	0.15	0.45	f0 IV
1738	20:26:56.74	+38:31:34.6	12.78	2.97		1.64	0.65	0.26	0.62	g5 IV:
1739	20:26:58.03	+38:13:04.9	12.30			1.09	0.45	0.14	0.40	f5 V
1740	20:26:58.05	+39:02:37.8	13.17			3.22	1.32	0.54:	1.27	k2 III
1741	20:26:59.21	+38:27:56.3	13.14	3.50		1.98	0.80	0.32	0.76	g8 III-IV
1742	20:27:00.14	+38:25:05.6	12.67			3.19	1.53	0.55	1.37	g
1743	20:27:00.57	+38:46:42.0	12.14	2.36	1.98	1.25	0.52	0.18	0.51	f8 V
1744	20:27:01.14	+38:05:55.3	11.76			1.35	0.56	0.18	0.54	g
1745	20:27:01.82	+39:02:21.8	12.12	2.92:	2.31	1.60	0.87	0.31	0.75	b5 V
1746	20:27:02.15	+38:36:55.5	11.94	2.23		1.07	0.46	0.14	0.45	a-f
1747	20:27:03.79	+38:29:15.7	12.93		2.38:	1.38	0.64	0.20	0.54	a5 V
1748	20:27:04.22	+38:58:01.2	11.78	2.21		1.75	1.12	0.48	0.17	f5 V
1749	20:27:04.98	+38:39:28.3	12.06			1.76:	1.11	0.44	0.11	0.54:
1750	20:27:05.12	+38:47:27.7	12.53	2.83	2.21:	1.09	0.53	0.18	0.39	a
1751	20:27:07.72	+38:21:45.7	12.22			1.88	1.16	0.50	0.15	0.47
1752*	20:27:10.21	+38:54:01.6	10.70		2.23	1.71	0.96	0.31	1.05	b

Notes:

1. B5 III [13];
7. B1.5 V [15];
11. HD 193814, B8 V [6];
14. HD 229030 (F2);
17. HD 229031 (F5), F2 [5];
18. HD 229032 (A);
23. HD 229041 (F0), A9 III [6];
27. HD 229049 (B2), B2 III:p [2];
30. F [5];
33. HD 229050 (F0), A7 [5];
39. HD 193855 (B8), B2 III [1,2], B2 IV [6];
40. F0 [5];
50. B [5];
54. YSO [Spitzer + WISE];
56. HD 193890 (A0), B9 [5], B9.5 V [6];
76. B0 [5];
81. HD 229075 (G0), G2 [5];
87. em. [11], OB:e [12];
88. HD 229074 (A5), A7 [5];
94. HD 229077 (B);
101. HD 229076 (G5);
107. HD 229085 (B3), B0 V [5];
125. HD 229089 (K), K2 III [5];
137. YSO [WISE];
150. HD 193984 (A), B9 [5], A0 V [6];
157. HD 229098 (F5), F2 [5];
165. HD 194009 (B), B3 II [1,2], B3 Ib-4f [4], B2 III [5];
174. F8 [5];
185. HD 229109 (A3), WDS 20219+3835 (sep = 0.5''), A3 [5];
222. BD+38 -4039;

- 241. B5 III [5];
- 259. HD 229121 (F0), A7 [5], A0 IV [16];
- 267. HD 229120 (A);
- 269. HD 194070 (K2), G8 IV [6];
- 275. HD 194095 (K0), K0 III [5], K1 III [6];
- 276. HD 229122 (K7);
- 280. B5: [5];
- 283. HD 229126 (A2);
- 293. B0 III [16];
- 301. em. [11];
- 305. A2 IV [16];
- 311. WDS 20223+3837 (sep = 5'');
- 315. F2 II [16];
- 316. HD 194094 (B), O9.5 IV [1], B0 V [2], O9 III [4];
- 325. A3 IV [16];
- 333. HD 229134 (B5), B1 V [4];
- 353. B2 V [5,16];
- 357. B2 III [16];
- 367. K2 III [16];
- 369. HD 229140 (K3), K2 II [5];
- 374. F5 III [16];
- 388. A0 IVe [16];
- 390. HD 229147 (G0);
- 393. K3: [5], K0 III [16];
- 394. HD 194153 (B), B1 Iab [1,2], B1 Ia [6];
- 398. A2 IV [16];
- 413. F9 III [16];
- 419. A8 III [16];
- 435. B3 III [5];
- 444. HD 229152 (K0), K2 III [5];
- 452. F0 [5], B8 III [16];
- 465. A2 IV [16];
- 468. A0 IV [16];
- 474. F8 III [16];
- 489. A6 IV [16];
- 492. B5 III [5], B3 III [16];
- 494. HD 229164 (G0), F8 V [6];
- 495. HD 229160 (A);
- 497. WDS 20229+3856 (sep = 3.8'');
- 499. HD 229162 (K0), K2 III [5];
- 505. B0 II [16];
- 506. HD 229161 (A2), A2 [5], A0 IV [6];
- 517. HD 229163 (A), A1 [5];
- 526. WDS 20229+3829 (sep = 2.5''), A8 IV [16];
- 536. B5 IV [16];
- 544. A2 V [16];
- 559. HD 229171 (B), B0.5 III:n [2], B0.5 V [15];
- 565. B7 IV [16];
- 575. B4 III [16];
- 578. HD 194207 (A0), B9 [5], B9 V [6];
- 587. B9 IV [16];

- 599. HD 229180 (A0);
- 610. G5 [5];
- 627. HD 229179 (B8), V498 Cyg (EA/DM), B1: III: [4];
- 633. YSO [Spitzer + WISE];
- 635. A6 III [16];
- 676. G0 [16];
- 683. A0 [5];
- 702. A2 IV [16];
- 706. BD+38 4055;
- 708. F6 [5], F0 III [16];
- 714. HD 229197 (A0);
- 723. G7 II [16];
- 726. F0 III [16];
- 730. K0 III [16];
- 738. B3 [5], b1 V [15], B0 V, SB [17];
- 739. HD 194280 (B), B0 Ib [1,2], O9.7 Iab [11];
- 747. B4 IV [16];
- 750. A2 V [16];
- 756. A2 [5], A2 V [16];
- 817. WDS 20236+3852 (sep = 2.4'');
- 820. B6 IV [16];
- 822. WDS 20236+3854 (sep = 1.5'');
- 835. HD 229206 (K2);
- 842. HD 194334 (B), O7.5 V [2], O7 II: [18];
- 873. F4 III [16];
- 892. WDS 20236+3817 (sep = 1.9'');
- 897. B4 V [16];
- 898. HD 229212 (A3), A1 V [6];
- 904. F4 II [16];
- 920. A7 III [16];
- 934. A8 III [16];
- 943. B2 V, SB [17];
- 947. A8 IV [16];
- 948. B4 V [16];
- 971. B3 V [16];
- 976. HD 229221 (B), B0 IIe [1], B0 Iep [2,3], B0e [8], B0 IIIe [16,17], B0.2 IIIe [18], V1322 Cyg (GCAS type);
- 982. B4 V [16];
- 998. HD 194356 (A0), B9.5 V [6];
- 1012. V1323 Cyg (IS type);
- 1018. BD+38 4063B, B4 IV [16];
- 1029. F3 IV [16];
- 1042. B4 IV [16];
- 1046. HD 194378 (F), V2031 Cyg (EA binary), F0 III [6,16,17];
- 1047. K0 [5];
- 1060. B4 II [16];
- 1089. HD 229227 (B), B0 III [1], B0 II [2,16], B0.2 III [15], B0 V, SB [17], O9.7 III [18];
- 1091. B2 IV [16];
- 1097. A0 II [16];
- 1107. K2 [5];

1117. B4 IV [16];
 1123. B1 II [16], B1 III [17];
 1125. HD 229233 (F0), A4 V [17];
 1126. F8 III [16];
 1133. HD 229232 (B), O5f [2], O4 Vn(f) [10];
 1135. F5 [5];
 1136. BD+38 4067, B0.5 III [7], B2 [8], B0.2 III [15], B0 III [16], B0 Ib-II [17];
 1138. A8 II [16], A7 IV [17];
 1146. HD 229234 (B), O9 II [1,18], O9.5 III [2,9], O9 [8], O9 If [15], O7 II [16], O9 Ib, SB [17];
 1155. em [11], B5e [16];
 1163. B3 IV [16];
 1164. B6 II [16];
 1166. B6 III [16];
 1173. HD 229238 (B), B0.5 III [1], B0.5 Ib [2,3], B0 I [9,15,16], B0 I/II, SB [17], B0.2 II [18];
 1189. HD 229239 (B), B0.5 IIe [1], B1 Iab [2,3], B0 II [2], B0.5 I [9], B0 IV [15], B0 I [16,17], B0.2 III [18], SB [17];
 1218. A7 [5];
 1226. HD 194447 (A2), A5 [5], A0 V [6];
 1246. F6: [5];
 1276. YSO: [IPHAS];
 1292. B7 III [16];
 1294. G6 III [16], G5 III [17];
 1304. YSO [WISE, IPHAS];
 1305. HD 194466 (A), B5 V [5], B8 III [6];
 1306. G5 III [5];
 1307. WDS 20243+3811 (sep = 1.9");
 1313. YSO [2MASS, Spitzer];
 1317. A6 III [16];
 1337. F6 [5], A6 III [16];
 1352. A3 V [16];
 1355. HD 229253 (A2), B8 [5,8], B4 II [16], B5 IV, SB [17];
 1357. A5 IV [16];
 1359. HD 194480 (A2), B5 V [14];
 1360. A5 II-III, SB [17];
 1363. HD 229260 (K5), K5 II [5];
 1373. HD 229259 (A);
 1378. K3 III [16];
 1380. V1384 Cyg, YSO (2MASS, IPHAS);
 1387. F1 III [16];
 1391. HD 229261 (B9), B8 [5,8], B6 II [16], B5 IV-V [17];
 1407. F2 [5];
 1408. B3 V [16];
 1419. A2 IV [16];
 1427. F0 [5], A6 III [16];
 1439. HD 229271 (B9);
 1444. A8 IV [16];
 1447. HD 229276 (F0), F2 [5];
 1452. HD 229277 (F8), WDS 20248+3807 (sep = 0.5");
 1455. B2 IV [16];

1458. BD+38 4078, WDS 20249+3858 (sep = 2.0"), YSO: [WISE];
 1470. F5 [5];
 1474. HD 229278 (F8), F5 V: [6];
 1482. HD 229281 (F2), F2 [5];
 1485. F5 IV [16];
 1488. em. [11,12];
 1502. F3 III [16];
 1509. A5 IV [16];
 1513. A2 IV [16];
 1516. A6 IV [16];
 1519. HD 229284 (G0), F5 [5];
 1530. HD 229283 (A7), WDS 20252+3846 (sep = 0.9"), A5 [5], A4 IV [16];
 1531. G3 III [16];
 1534. F5 III [16];
 1542. A8 III [16];
 1546. G0 V [5];
 1559. B2 V [16];
 1572. A1 IV [16];
 1576. B8 V [16];
 1612. B4 IV [16];
 1630. A5 [5];
 1636. YSO [Spitzer + WISE];
 1660. KY Cyg (LC type), M3 Ia;
 1666. WDS 20261+3852 (sep = 3");
 1681. HD 194790 (A2), A5 [5], A3 IV [6];
 1684. F6 [5];
 1695. BD+38 4086, K0 III [5];
 1719. HD 194887 (A2);
 1735. em. [11];
 1752. BD+38 4093.

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