

The 83rd Name-List of Variable Stars. Variables in Globular Clusters and Novae

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We present a new Name-List of variable stars containing information on 1385 variable stars in globular star clusters (constellations Bootes – Lupus; 26 clusters in 16 constellations) that now get their names in the system of the General Catalogue of Variable Stars (GCVS). Also, GCVS names are assigned to four recent Novae in our Galaxy. A correction to Part II of the 82nd Name-list of variable stars is announced.

1 INTRODUCTION

This Name-list of variable stars is the second part of our list of variable stars in globular clusters (the first part appeared in Kazarovets et al., 2019a, and contained 406 stars in 10 clusters, belonging to four constellations: Apus, Ara, Aquila, Aquarius). Compilation of such lists in the format of the General Catalogue of Variable Stars (GCVS; Samus et al., 2017) became possible after determination of equatorial coordinates for a large number of variable stars in globular clusters (Samus et al., 2009) and introduction of equatorial coordinates into new versions of the electronic Catalogue of variable stars in galactic globular clusters (Clement et al., 2001). Initially, we planned to include the new list of globular-cluster variables into Part III of the 82nd Name-list, but the large volume of information justifies its publication as a separate, 83rd Name-list of variable stars, as announced by Kazarovets et al. (2020).

2 THE NAME-LIST

This publication, the 83rd Name-List of Variable Stars, contains information on 1385 variable stars in 26 galactic globular clusters, belonging to 16 constellations (Bootes – Lupus, selected in alphabet order) newly named in the system of the GCVS (Samus et al., 2017).

As mentioned in the Introduction, this work became possible only when equatorial coordinates had been determined by Samus et al. (2009) for all globular-cluster variable stars contained in the Clement et al. (2001) catalogue (Catalogue of Variable Stars in

Galactic Globular Clusters, CVSGGC) by that time. Since then, the CVSGGC was considerably appended. Fortunately, the authors of new discoveries and of new thorough investigations now use to present equatorial, rather than rectangular, coordinates in their publications. In common cases between new studies and our identifications, the coordinates from Samus et al. (2009) turn out to be generally correct in most cases. Naturally, now we are able to check these coordinates using the Gaia DR2 catalogue (Gaia Collaboration, 2018); even in the dense fields of globular clusters, Gaia DR2 coordinates are available for a vast majority of stars.

The current versions of the CVSGGC tend to use coordinates from new publications that appeared after 2009 rather than the coordinates from Samus et al. (2009). In most cases, coordinates from different sources agree well, and we do not encounter any problems. Unfortunately, there are exceptions. The most notable case is that of the globular cluster NGC 5286 in Centaurus. The current version of the CVSGGC for this cluster is that of June, 2016. For most stars in the cluster, all information, including the coordinates, was taken from Zorotovic et al. (2010). It was noticed in the CVSGGC that, while right ascensions in Zorotovic et al. (2010) and in Samus et al. (2009) agreed well, declinations in Zorotovic et al. were systematically to the south by different amounts, 6'' on average. Some stars in the cluster were studied by Figuera Jaimes et al. (2016). They report the same disagreement with Zorotovic et al. (2010) and agreement with Samus et al. (2009), which is mentioned in the CVSGGC. Nevertheless, coordinates from Zorotovic et al. (2010) were adopted in the CGSGGC. A detailed check with sky images and Gaia DR2 coordinates shows that all declinations in Zorotovic et al. (2010) are wrong.

Another problem case is the globular cluster NGC 2419 in Lynx. The cluster is very distant, many faint variables are strongly crowded; nevertheless, the Gaia DR2 catalogue is still effective in most cases. The main reference for this cluster is Di Criscienzo et al. (2011). Towards the end of the list of variables in Di Criscienzo et al. (2011), we encounter quite a number of problem cases, including situations when DSS images show really faint stars but away from positions reported in the cited paper; Gaia DR2 stars are near DSS images but not in the reported positions (at distances up to 10'' from them). Dr. M. Di Crescenzo did not answer our questions, and we had to leave a number of variable stars in NGC 2419 not included in the current Name-list.

Indeed, many variable stars in globular clusters are faint, some of them are in rather crowded fields. Nevertheless, in some cases, we were able to check photometric information and/or to derive new light elements. For this purpose, we used the ASAS-SN (Shappee et al., 2014; Kochanek et al., 2017) and Catalina (Drake et al., 2009) databases. In total, this was possible for 227 stars (16% of all stars in the current Name-list).

Note that some papers dealing with variable stars in globular clusters, especially in their central, high-density regions, present only uncalibrated photometry in arbitrary units. According to the standard GCVS format, only stars with known variability range (magnitudes at maximum and minimum) or with a known (for instance, mean) magnitude and known variability amplitude could be included into the GCVS through this Name-list.

Like in the 82nd Name-List, we separate the catalogue of newly designated variables (it will be presented at the GCVS web site) from the Name-list. Table 1 of the present Name-List contains the new GCVS names, CVSGGS names, equatorial coordinates (rounded to an accuracy sufficient for identification), and variability types for each of the 1385 stars included into the Name-list. The order of stars in Table 1 corresponds to the order of stars in the GCVS. Other data will be presented at

<http://www.sai.msu.su/gcvs/gcvs/nl83> and in the tables of the GCVS proper

(<http://www.sai.msu.su/gcvs/gcvs/index.htm>), where we will additionally give variabil-

ity ranges, light elements, spectral types, identifications with astronomical catalogues, detailed remarks, bibliographic references for the newly named variable stars, accurate coordinates and proper motions (with references to corresponding positional catalogs or sources in the literature).

Two stars in ω Cen (NGC 5139) included into Table 1, V1834 Cen and V1835 Cen (NV 457 and NV 458), are not in the CVSGGC, presumably because their discoverers, Navarrete et al. (2015), announced them as probable cluster non-members.

Table 2 announces GCVS names for four recent Novae in our Galaxy. Numbers in square brackets were introduced by us, in the order of discovery and spectroscopic confirmation within the year.

The total number of named variable stars, not counting designated non-existing stars or stars subsequently identified with earlier-named variables, is now 57 247.

3 CORRECTION

We use this possibility to correct a mistake in the 82nd Name-list (Part II, Kazarovets et al., 2019b). The variable star at $19^{\text{h}}53^{\text{m}}20^{\text{s}}.02 + 18^{\circ}59'33''.9$ got the name V6555 Sgr, while it is located in the constellation Sagitta. Thus, V6555 Sgr does not exist, and the Mira star at $19^{\text{h}}53^{\text{m}}20^{\text{s}}.02 + 18^{\circ}59'33''.9$ (J2000.0) gets the name V0443 Sge.

Acknowledgments: We gratefully acknowledge the use of the Catalina (Drake et al., 2009) and ASAS-SN (Shappee et al., 2014; Kochanek et al., 2017) databases. Thanks are due to P. Schmeer for supplying information on recent Novae.

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Table 1. Variable stars in globular clusters

Name, GCVS	Name, CVSGGC		R.A., Decl., 2000.0				Type		
			h	m	s	o	'	"	
NGC 5466									
V0418	Boo NGC 5466	V020	14	05	11.28	+28	32	31.4	RRC
V0419	Boo NGC 5466	V007	14	05	12.31	+28	28	04.9	RRAB
V0420	Boo NGC 5466	V016	14	05	16.85	+28	28	55.2	RRC
V0421	Boo NGC 5466	V034	14	05	20.70	+28	31	53.3	SXPHE
V0422	Boo NGC 5466	V004	14	05	21.97	+28	32	00.8	RRAB
V0423	Boo NGC 5466	V005	14	05	23.10	+28	33	43.4	RRAB
V0424	Boo NGC 5466	V002	14	05	23.44	+28	30	01.8	RRAB
V0425	Boo NGC 5466	V017	14	05	23.55	+28	31	22.2	RRC
V0426	Boo NGC 5466	V031	14	05	23.59	+28	31	37.8	E:+SXPHE
V0427	Boo NGC 5466	V013	14	05	24.42	+28	30	39.0	RRC
V0428	Boo NGC 5466	V014	14	05	24.48	+28	32	44.7	RRAB
V0429	Boo NGC 5466	V028	14	05	24.56	+28	31	58.8	EB
V0430	Boo NGC 5466	V003	14	05	25.75	+28	31	44.6	RRAB
V0431	Boo NGC 5466	V032	14	05	25.85	+28	31	02.6	SXPHE
V0432	Boo NGC 5466	V033	14	05	28.03	+28	31	08.0	SXPHE
V0433	Boo NGC 5466	V036	14	05	28.08	+28	32	37.6	SXPHE
V0434	Boo NGC 5466	V041	14	05	28.09	+28	34	49.0	SXPHE
V0435	Boo NGC 5466	V040	14	05	29.04	+28	31	56.7	SXPHE
V0436	Boo NGC 5466	V029	14	05	29.09	+28	31	12.8	EW
V0437	Boo NGC 5466	V012	14	05	29.43	+28	30	24.7	RRC
V0438	Boo NGC 5466	V008	14	05	29.78	+28	31	47.3	RRAB
V0439	Boo NGC 5466	V009	14	05	30.41	+28	32	08.5	RRAB
V0440	Boo NGC 5466	V018	14	05	31.43	+28	32	33.9	RRC
V0441	Boo NGC 5466	V021	14	05	31.84	+28	31	42.8	RRAB
V0442	Boo NGC 5466	V010	14	05	34.47	+28	32	39.1	RRAB
V0443	Boo NGC 5466	V030	14	05	35.02	+28	31	19.4	EA
V0444	Boo NGC 5466	V035	14	05	35.04	+28	30	45.3	SXPHE
V0445	Boo NGC 5466	V011	14	05	36.89	+28	33	01.5	RRAB
V0446	Boo NGC 5466	V006	14	05	37.27	+28	31	29.8	RRAB
V0447	Boo NGC 5466	V039	14	05	39.22	+28	31	18.6	SXPHE
V0448	Boo NGC 5466	V015	14	05	45.05	+28	32	14.3	RRC
V0449	Boo NGC 5466	V023	14	05	53.01	+28	32	09.1	RRAB
V0450	Boo NGC 5466	V001	14	06	33.12	+28	30	25.5	RRAB
NGC 5272									
IK	CVn NGC 5272	V299	13	41	18.86	+28	01	56.3	RRC
IL	CVn NGC 5272	V116	13	41	34.05	+28	30	24.9	RRAB
IM	CVn NGC 5272	V094	13	41	34.54	+28	18	55.3	RRAB
IN	CVn NGC 5272	V083	13	41	38.00	+28	24	33.5	RRAB
IO	CVn NGC 5272	V202	13	41	42.83	+28	24	17.5	RRAB
IP	CVn NGC 5272	V296	13	41	42.97	+28	24	03.6	EA
IQ	CVn NGC 5272	V093	13	41	47.40	+28	16	04.2	RRAB
IR	CVn NGC 5272	V016	13	41	48.71	+28	21	08.1	RRAB
IS	CVn NGC 5272	V120	13	41	48.99	+28	26	32.1	RRAB
IT	CVn NGC 5272	V060	13	41	49.05	+28	17	25.6	RRAB
IU	CVn NGC 5272	V009	13	41	49.50	+28	19	13.4	RRAB
IV	CVn NGC 5272	V040	13	41	50.93	+28	24	33.0	RRAB
IW	CVn NGC 5272	V138	13	41	51.53	+28	23	22.5	SRD
IX	CVn NGC 5272	V123	13	41	52.31	+28	06	04.3	RRAB
IY	CVn NGC 5272	V039	13	41	52.97	+28	24	42.4	RRAB
IZ	CVn NGC 5272	V045	13	41	53.23	+28	20	31.2	RRAB
KK	CVn NGC 5272	V037	13	41	53.56	+28	25	25.6	RRC
KL	CVn NGC 5272	V108	13	41	54.78	+28	27	52.0	RRAB
KM	CVn NGC 5272	V055	13	41	55.91	+28	28	05.7	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., Decl., 2000.0						Type
		h	m	s	o	'	"	
KN	CVn NGC 5272 V038	13	41	56.04	+28	24	49.0	RRAB
KO	CVn NGC 5272 V026	13	41	58.04	+28	21	58.4	RRAB
KP	CVn NGC 5272 V096	13	41	59.12	+28	18	47.5	RRAB
KQ	CVn NGC 5272 V095	13	41	59.74	+28	22	56.8	SR
KR	CVn NGC 5272 V011	13	41	59.99	+28	19	11.8	RRAB
KS	CVn NGC 5272 V024	13	42	00.31	+28	22	51.9	RRAB
KT	CVn NGC 5272 V056	13	42	00.67	+28	28	39.8	RRC
KU	CVn NGC 5272 V067	13	42	01.51	+28	24	44.2	RRAB
KV	CVn NGC 5272 V097	13	42	01.70	+28	19	24.7	RRC
KW	CVn NGC 5272 V046	13	42	01.82	+28	21	50.5	RRAB
KX	CVn NGC 5272 V025	13	42	02.08	+28	22	10.1	RRAB
KY	CVn NGC 5272 V006	13	42	02.09	+28	23	41.5	RRAB
KZ	CVn NGC 5272 V047	13	42	02.61	+28	21	28.7	RRAB
LL	CVn NGC 5272 V023	13	42	02.84	+28	27	20.3	RRAB
LM	CVn NGC 5272 V027	13	42	03.17	+28	20	59.1	RRAB
LN	CVn NGC 5272 V059	13	42	03.24	+28	18	53.2	RRAB
LO	CVn NGC 5272 V035	13	42	03.44	+28	18	03.5	RRAB
LP	CVn NGC 5272 V066	13	42	03.78	+28	24	42.7	RRAB
LQ	CVn NGC 5272 V082	13	42	03.89	+28	12	40.6	RRAB
LR	CVn NGC 5272 V110	13	42	03.93	+28	22	26.0	RRAB
LS	CVn NGC 5272 V166	13	42	04.15	+28	22	34.5	RR(B)
LT	CVn NGC 5272 V077	13	42	04.29	+28	23	09.6	RRAB
LU	CVn NGC 5272 V041	13	42	04.38	+28	23	35.6	RRAB
LV	CVn NGC 5272 V111	13	42	04.46	+28	23	03.7	RRAB
LW	CVn NGC 5272 V015	13	42	04.67	+28	18	08.5	RRAB
LX	CVn NGC 5272 V109	13	42	04.74	+28	22	44.3	RRAB
LY	CVn NGC 5272 V058	13	42	04.94	+28	23	27.9	RRAB
LZ	CVn NGC 5272 V210	13	42	04.98	+28	22	32.1	RRC
MM	CVn NGC 5272 V008	13	42	05.29	+28	22	18.5	RRAB
MN	CVn NGC 5272 V042	13	42	05.52	+28	23	22.3	RRAB
MO	CVn NGC 5272 V167	13	42	05.59	+28	22	05.5	RRAB
MP	CVn NGC 5272 V052	13	42	05.62	+28	25	13.3	RRAB
MQ	CVn NGC 5272 V107	13	42	05.64	+28	28	16.7	RRC
MR	CVn NGC 5272 V131	13	42	05.90	+28	23	09.1	RRC
MS	CVn NGC 5272 V209	13	42	06.35	+28	21	02.6	RRC
MT	CVn NGC 5272 V124	13	42	06.52	+28	19	20.7	RRAB
MU	CVn NGC 5272 V029	13	42	06.59	+28	21	28.4	RRC
MV	CVn NGC 5272 V155	13	42	06.69	+28	21	27.0	RRAB
MW	CVn NGC 5272 V273	13	42	06.73	+28	20	56.8	SR:
MX	CVn NGC 5272 V133	13	42	07.01	+28	23	25.9	RRAB
MY	CVn NGC 5272 V219	13	42	07.05	+28	22	57.5	RRAB
MZ	CVn NGC 5272 V211	13	42	07.39	+28	22	49.0	RRAB
NN	CVn NGC 5272 V132	13	42	07.43	+28	22	19.9	RRC
NO	CVn NGC 5272 V106	13	42	07.80	+28	25	29.9	RRAB
NP	CVn NGC 5272 V014	13	42	07.81	+28	20	01.1	RRAB
NQ	CVn NGC 5272 V168	13	42	08.07	+28	22	49.4	RRC
NR	CVn NGC 5272 V121	13	42	08.17	+28	23	37.7	RRAB
NS	CVn NGC 5272 V004n	13	42	08.19	+28	22	33.2	RRAB
NT	CVn NGC 5272 V129	13	42	08.21	+28	23	59.3	RRC
NU	CVn NGC 5272 V004s	13	42	08.22	+28	22	32.9	RRAB
NV	CVn NGC 5272 V030	13	42	08.72	+28	23	40.0	RRAB
NW	CVn NGC 5272 V088	13	42	08.84	+28	21	32.2	RRC
NX	CVn NGC 5272 V143	13	42	08.90	+28	22	59.1	RRAB
NY	CVn NGC 5272 V054	13	42	08.98	+28	24	28.4	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., Decl., 2000.0						Type
		h	m	s	o	'	"	
NZ	CVn NGC 5272 V229	13	42	08.99	+28	21	56.7	RRAB
OO	CVn NGC 5272 V122	13	42	09.04	+28	21	55.1	RRAB
OP	CVn NGC 5272 V181	13	42	09.20	+28	22	28.8	RRAB
OQ	CVn NGC 5272 V142	13	42	09.25	+28	21	43.6	RRAB
OR	CVn NGC 5272 V170	13	42	09.33	+28	23	15.2	RRC
OS	CVn NGC 5272 V092	13	42	09.39	+28	15	53.5	RRAB
OT	CVn NGC 5272 V135	13	42	09.44	+28	23	20.5	RRAB
OU	CVn NGC 5272 V203	13	42	09.44	+28	17	30.3	RRC
OV	CVn NGC 5272 V240	13	42	09.45	+28	22	34.9	RRC
OW	CVn NGC 5272 V188	13	42	09.48	+28	23	06.5	RRC
OX	CVn NGC 5272 V104	13	42	09.50	+28	25	07.3	RRAB
OY	CVn NGC 5272 V171	13	42	09.50	+28	22	59.2	RRC
OZ	CVn NGC 5272 V266	13	42	09.54	+28	22	43.9	RRC
PP	CVn NGC 5272 V213	13	42	09.56	+28	22	12.4	RRC
PQ	CVn NGC 5272 V184	13	42	09.56	+28	22	27.4	RRAB
PR	CVn NGC 5272 V136	13	42	09.57	+28	23	16.2	RRAB
PS	CVn NGC 5272 V013	13	42	09.59	+28	20	24.5	RR(B)
PT	CVn NGC 5272 V189	13	42	09.59	+28	22	21.6	RRAB
PU	CVn NGC 5272 V244	13	42	09.61	+28	22	46.2	RRAB
PV	CVn NGC 5272 V028	13	42	09.63	+28	20	56.4	RRAB
PW	CVn NGC 5272 V187	13	42	09.64	+28	22	51.6	RRAB
PX	CVn NGC 5272 V248	13	42	09.66	+28	22	49.3	RRAB
PY	CVn NGC 5272 V134	13	42	09.78	+28	23	34.7	RRAB
PZ	CVn NGC 5272 V147	13	42	09.82	+28	23	29.4	RRC
QQ	CVn NGC 5272 V105	13	42	09.85	+28	25	53.2	RRC
QR	CVn NGC 5272 V212	13	42	09.86	+28	22	04.0	RRAB
QS	CVn NGC 5272 V239	13	42	09.87	+28	22	15.5	RRAB
QT	CVn NGC 5272 V245	13	42	09.89	+28	22	59.7	RRC
QU	CVn NGC 5272 V172	13	42	09.89	+28	23	08.4	RRAB
QV	CVn NGC 5272 V156	13	42	09.98	+28	22	01.4	RRAB
QW	CVn NGC 5272 V261	13	42	10.07	+28	22	40.0	RRC
QX	CVn NGC 5272 V180	13	42	10.09	+28	22	13.1	RRAB
QY	CVn NGC 5272 V157	13	42	10.18	+28	23	17.9	RRAB
QZ	CVn NGC 5272 V221	13	42	10.21	+28	22	28.5	RRC
V0335	CVn NGC 5272 V140	13	42	10.29	+28	24	30.7	RRC
V0336	CVn NGC 5272 V249	13	42	10.31	+28	22	47.8	RRAB
V0337	CVn NGC 5272 V159	13	42	10.34	+28	22	58.7	RRAB
V0338	CVn NGC 5272 V126	13	42	10.36	+28	20	15.7	RRC
V0339	CVn NGC 5272 V076	13	42	10.41	+28	21	13.9	RRAB
V0340	CVn NGC 5272 V215	13	42	10.43	+28	22	41.3	RRAB
V0341	CVn NGC 5272 V195	13	42	10.48	+28	22	14.4	RRAB
V0342	CVn NGC 5272 V250n	13	42	10.48	+28	22	52.6	RRAB
V0343	CVn NGC 5272 V173	13	42	10.50	+28	23	21.4	RRAB
V0344	CVn NGC 5272 V250s	13	42	10.54	+28	22	51.7	RRAB
V0345	CVn NGC 5272 V091	13	42	10.57	+28	13	32.1	RRAB
V0346	CVn NGC 5272 V241	13	42	10.76	+28	22	37.6	RRAB
V0347	CVn NGC 5272 V160	13	42	10.80	+28	21	59.0	RRAB
V0348	CVn NGC 5272 V262	13	42	10.81	+28	22	37.0	RRAB:
V0349	CVn NGC 5272 V174	13	42	10.84	+28	22	08.5	RRAB
V0350	CVn NGC 5272 V263	13	42	10.85	+28	22	24.4	SXPHE
V0351	CVn NGC 5272 V264	13	42	10.86	+28	22	29.5	RRC
V0352	CVn NGC 5272 V190	13	42	10.87	+28	23	11.0	RRAB
V0353	CVn NGC 5272 V053	13	42	10.93	+28	24	44.7	RRAB
V0354	CVn NGC 5272 V148	13	42	10.96	+28	23	20.0	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0355	CVn NGC 5272 V252	13 42 10.99	+28 22 43.6		RR(B)
V0356	CVn NGC 5272 V251	13 42 11.00	+28 22 33.5		RR(B)
V0357	CVn NGC 5272 V007	13 42 11.09	+28 24 10.2		RRAB
V0358	CVn NGC 5272 V001	13 42 11.12	+28 20 33.7		RRAB
V0359	CVn NGC 5272 V200	13 42 11.17	+28 23 03.8		RR(B)
V0360	CVn NGC 5272 V292	13 42 11.17	+28 21 53.6		RRC
V0361	CVn NGC 5272 V012	13 42 11.26	+28 20 17.1		RRC
V0362	CVn NGC 5272 V192	13 42 11.31	+28 22 46.6		RRAB
V0363	CVn NGC 5272 V217	13 42 11.46	+28 22 15.4		RRAB
V0364	CVn NGC 5272 V191	13 42 11.61	+28 23 05.6		RRAB
V0365	CVn NGC 5272 V154	13 42 11.64	+28 22 13.7		CWA
V0366	CVn NGC 5272 V208	13 42 11.70	+28 21 44.1		RRC
V0367	CVn NGC 5272 V130	13 42 11.77	+28 24 06.1		RRAB
V0368	CVn NGC 5272 V201	13 42 11.78	+28 22 33.6		RRAB
V0369	CVn NGC 5272 V270n	13 42 11.93	+28 23 32.3		RRAB
V0370	CVn NGC 5272 V270s	13 42 11.95	+28 23 31.4		RRAB
V0371	CVn NGC 5272 V151	13 42 11.99	+28 22 00.9		RRAB
V0372	CVn NGC 5272 V225	13 42 12.05	+28 26 26.5		SR
V0373	CVn NGC 5272 V253	13 42 12.14	+28 22 32.4		RRC
V0374	CVn NGC 5272 V289	13 42 12.18	+28 19 21.1		SXPHE
V0375	CVn NGC 5272 V271	13 42 12.18	+28 23 17.6		RRAB
V0376	CVn NGC 5272 V114	13 42 12.22	+28 33 03.6		RRAB
V0377	CVn NGC 5272 V050	13 42 12.24	+28 18 47.9		RRAB
V0378	CVn NGC 5272 V243	13 42 12.25	+28 22 15.2		RRAB
V0379	CVn NGC 5272 V032	13 42 12.39	+28 23 42.3		RRAB
V0380	CVn NGC 5272 V254	13 42 12.41	+28 22 53.2		RRAB
V0381	CVn NGC 5272 V298	13 42 12.41	+28 22 34.4		RRC
V0382	CVn NGC 5272 V186	13 42 12.50	+28 21 39.4		RRAB
V0383	CVn NGC 5272 V255	13 42 12.60	+28 22 43.6		RRAB
V0384	CVn NGC 5272 V193	13 42 12.60	+28 22 35.4		RRAB
V0385	CVn NGC 5272 V194	13 42 12.74	+28 22 29.8		RRAB
V0386	CVn NGC 5272 V246	13 42 12.76	+28 22 40.1		RRC
V0387	CVn NGC 5272 V269	13 42 12.79	+28 22 32.6		RRC
V0388	CVn NGC 5272 V161	13 42 12.80	+28 21 44.8		RRAB
V0389	CVn NGC 5272 V238	13 42 12.96	+28 19 41.6		EB:
V0390	CVn NGC 5272 V226	13 42 12.98	+28 22 23.7		RRAB
V0391	CVn NGC 5272 V257	13 42 13.03	+28 22 27.9		RRAB
V0392	CVn NGC 5272 V256	13 42 13.08	+28 22 58.3		RRC
V0393	CVn NGC 5272 V234	13 42 13.09	+28 22 02.5		RRAB
V0394	CVn NGC 5272 V068	13 42 13.10	+28 25 37.1		RR(B)
V0395	CVn NGC 5272 V242	13 42 13.20	+28 22 24.2		RRAB
V0396	CVn NGC 5272 V223	13 42 13.28	+28 22 36.3		RRC
V0397	CVn NGC 5272 V272	13 42 13.30	+28 19 50.9		LB:
V0398	CVn NGC 5272 V216	13 42 13.59	+28 22 31.2		RRC
V0399	CVn NGC 5272 V145	13 42 13.61	+28 22 50.9		RRAB
V0400	CVn NGC 5272 V218	13 42 13.61	+28 22 12.8		RRAB
V0401	CVn NGC 5272 V089	13 42 13.62	+28 20 51.5		RRAB
V0402	CVn NGC 5272 V294	13 42 13.69	+28 25 30.1		SXPHE
V0403	CVn NGC 5272 V235	13 42 13.76	+28 23 19.4		RRAB
V0404	CVn NGC 5272 V051	13 42 13.87	+28 18 55.9		RRAB
V0405	CVn NGC 5272 V214	13 42 13.92	+28 22 48.5		RRAB
V0406	CVn NGC 5272 V031	13 42 13.97	+28 23 47.4		RRAB
V0407	CVn NGC 5272 V220	13 42 14.00	+28 22 26.3		RRAB
V0408	CVn NGC 5272 V149	13 42 14.10	+28 23 35.2		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0409	CVn NGC 5272 V139	13 42 14.11	+28 23 10.4		RRAB
V0410	CVn NGC 5272 V207	13 42 14.21	+28 22 11.2		RRC
V0411	CVn NGC 5272 V063	13 42 14.23	+28 28 24.0		RRAB
V0412	CVn NGC 5272 V258	13 42 14.30	+28 23 31.2		RRAB
V0413	CVn NGC 5272 V070	13 42 14.33	+28 25 14.4		RRC
V0414	CVn NGC 5272 V259	13 42 14.56	+28 22 54.5		RRC
V0415	CVn NGC 5272 V175	13 42 14.63	+28 23 09.0		RRAB
V0416	CVn NGC 5272 V079	13 42 14.71	+28 28 31.6		RR(B)
V0417	CVn NGC 5272 V247	13 42 14.79	+28 22 15.3		RRAB
V0418	CVn NGC 5272 V176	13 42 14.98	+28 23 15.8		RRAB
V0419	CVn NGC 5272 V101	13 42 14.98	+28 24 05.7		RRAB
V0420	CVn NGC 5272 V078	13 42 15.05	+28 23 48.5		RRAB
V0421	CVn NGC 5272 V075	13 42 15.15	+28 25 21.3		RRC
V0422	CVn NGC 5272 V137	13 42 15.47	+28 22 23.1		RRAB
V0423	CVn NGC 5272 V144	13 42 15.60	+28 21 02.8		RRAB
V0424	CVn NGC 5272 V003	13 42 15.71	+28 21 41.4		RRAB
V0425	CVn NGC 5272 V237	13 42 15.73	+28 18 16.9		SXPHE
V0426	CVn NGC 5272 V197	13 42 15.91	+28 22 51.8		RRAB
V0427	CVn NGC 5272 V177	13 42 16.26	+28 22 13.6		RRC
V0428	CVn NGC 5272 V084	13 42 16.31	+28 25 27.1		RRAB
V0429	CVn NGC 5272 V150	13 42 16.68	+28 23 20.4		RRAB
V0430	CVn NGC 5272 V100	13 42 16.75	+28 24 19.8		RRAB
V0431	CVn NGC 5272 V033	13 42 16.84	+28 21 13.3		RRAB
V0432	CVn NGC 5272 V165	13 42 17.04	+28 23 02.8		RRAB
V0433	CVn NGC 5272 V288	13 42 17.39	+28 13 34.7		SXPHE
V0434	CVn NGC 5272 V152	13 42 17.46	+28 23 33.5		RRC
V0435	CVn NGC 5272 V178	13 42 17.47	+28 23 29.5		RRC
V0436	CVn NGC 5272 V069	13 42 17.57	+28 25 03.2		RRAB
V0437	CVn NGC 5272 V291	13 42 18.07	+28 22 39.3		SXPHE
V0438	CVn NGC 5272 V074	13 42 18.14	+28 25 13.0		RRAB
V0439	CVn NGC 5272 V062	13 42 18.22	+28 29 39.1		RRAB
V0440	CVn NGC 5272 V117	13 42 18.40	+28 14 53.9		RRAB
V0441	CVn NGC 5272 V146	13 42 18.50	+28 21 43.9		RRAB
V0442	CVn NGC 5272 V222	13 42 18.77	+28 21 38.8		RRAB
V0443	CVn NGC 5272 V090	13 42 18.92	+28 19 34.1		RRAB
V0444	CVn NGC 5272 V018	13 42 18.95	+28 17 47.1		RRAB
V0445	CVn NGC 5272 V043	13 42 19.06	+28 23 06.9		RRAB
V0446	CVn NGC 5272 V087	13 42 19.85	+28 23 42.5		RR(B)
V0447	CVn NGC 5272 V064	13 42 20.11	+28 28 12.4		RRAB
V0448	CVn NGC 5272 V128	13 42 20.12	+28 24 53.5		RRC
V0449	CVn NGC 5272 V293	13 42 20.59	+28 28 32.5		SXPHE
V0450	CVn NGC 5272 V065	13 42 20.92	+28 28 10.0		RRAB
V0451	CVn NGC 5272 V048	13 42 21.16	+28 21 00.2		RRAB
V0452	CVn NGC 5272 V290	13 42 21.29	+28 23 44.9		RRC:
V0453	CVn NGC 5272 V034	13 42 21.72	+28 25 32.6		RRAB
V0454	CVn NGC 5272 V049	13 42 22.11	+28 21 02.6		RRAB
V0455	CVn NGC 5272 V017	13 42 22.41	+28 15 22.6		RRAB
V0456	CVn NGC 5272 V118	13 42 22.50	+28 17 50.4		RRAB
V0457	CVn NGC 5272 V010	13 42 23.10	+28 25 00.5		RRAB
V0458	CVn NGC 5272 V057	13 42 23.25	+28 22 42.1		RRAB
V0459	CVn NGC 5272 V071	13 42 23.65	+28 22 40.3		RRAB
V0460	CVn NGC 5272 V044	13 42 24.37	+28 24 22.0		RR(B)
V0461	CVn NGC 5272 V036	13 42 24.54	+28 22 07.4		RRAB
V0462	CVn NGC 5272 V125	13 42 25.65	+28 20 30.1		RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0463	CVn NGC 5272	V061	13 42 25.79	+28 28 45.7	RRAB
V0464	CVn NGC 5272	V022	13 42 25.91	+28 22 31.9	RRAB
V0465	CVn NGC 5272	V099	13 42 26.75	+28 21 47.8	RR(B)
V0466	CVn NGC 5272	V119	13 42 30.67	+28 24 28.8	RRAB
V0467	CVn NGC 5272	V005	13 42 31.29	+28 22 20.6	RRAB
V0468	CVn NGC 5272	V085	13 42 34.65	+28 26 29.0	RRC
V0469	CVn NGC 5272	V020	13 42 36.83	+28 18 11.7	RRAB
V0470	CVn NGC 5272	V081	13 42 37.37	+28 28 34.2	RRAB
V0471	CVn NGC 5272	V021	13 42 37.78	+28 23 01.5	RRAB
V0472	CVn NGC 5272	V019	13 42 38.12	+28 18 37.7	RRAB
V0473	CVn NGC 5272	V236	13 42 41.50	+28 19 08.1	SR
V0474	CVn NGC 5272	V080	13 42 43.02	+28 27 27.8	RRAB
V0475	CVn NGC 5272	V073	13 42 44.71	+28 23 45.7	RRAB
V0476	CVn NGC 5272	V115	13 42 45.11	+28 33 47.6	RRAB
V0477	CVn NGC 5272	V072	13 42 45.25	+28 22 41.3	RRAB
V0478	CVn NGC 5272	V086	13 42 50.40	+28 20 49.0	RRC
NGC 7099					
FI	Cap NGC 7099	V004	21 39 58.45	-23 11 43.6	UG
FK	Cap NGC 7099	V003	21 40 15.05	-23 11 28.3	RRAB
FL	Cap NGC 7099	V014	21 40 21.10	-23 11 31.3	RRC
FM	Cap NGC 7099	V015	21 40 21.80	-23 10 50.6	RRAB
FN	Cap NGC 7099	V018	21 40 21.88	-23 09 32.8	EW
FO	Cap NGC 7099	V022	21 40 22.02	-23 10 46.7	EW
FP	Cap NGC 7099	V019	21 40 22.13	-23 10 43.3	RRC
FQ	Cap NGC 7099	V023	21 40 22.21	-23 10 48.3	EW
FR	Cap NGC 7099	V024	21 40 22.51	-23 10 54.4	EW
FS	Cap NGC 7099	V026	21 40 22.51	-23 10 50.9	ELL
FT	Cap NGC 7099	V025	21 40 23.28	-23 10 40.6	EW
FU	Cap NGC 7099	V017	21 40 23.67	-23 11 01.5	SXPXE:
FV	Cap NGC 7099	V001	21 40 24.25	-23 11 46.9	RRAB
FW	Cap NGC 7099	V016	21 40 24.81	-23 11 49.2	RRC
FX	Cap NGC 7099	V002	21 40 26.45	-23 12 51.6	RRAB
FY	Cap NGC 7099	V020	21 40 29.83	-23 11 06.4	SXPHE
NGC 2808					
V0920	Car NGC 2808	V012	09 11 55.66	-64 50 10.1	RRC
V0921	Car NGC 2808	V010	09 11 56.86	-64 53 23.2	CWB
V0922	Car NGC 2808	V031	09 11 57.08	-64 51 29.7	SR
V0923	Car NGC 2808	V032	09 11 58.70	-64 51 28.6	SR
V0924	Car NGC 2808	V025	09 11 58.72	-64 51 28.5	RRAB
V0925	Car NGC 2808	V033	09 11 59.24	-64 52 59.3	SR
V0926	Car NGC 2808	V034	09 12 01.44	-64 51 37.7	SR
V0927	Car NGC 2808	V035	09 12 01.68	-64 50 33.3	SR
V0928	Car NGC 2808	V036	09 12 02.28	-64 51 18.5	SR:
V0929	Car NGC 2808	V037	09 12 02.66	-64 52 01.9	SR
V0930	Car NGC 2808	V045	09 12 04.01	-64 51 54.0	SR
V0931	Car NGC 2808	V038	09 12 04.34	-64 51 41.5	SR
V0932	Car NGC 2808	V018	09 12 06.58	-64 52 17.1	RRAB
V0933	Car NGC 2808	V039	09 12 06.66	-64 52 18.2	SR
V0934	Car NGC 2808	V011	09 12 06.73	-64 52 40.3	SR
V0935	Car NGC 2808	V040	09 12 08.51	-64 51 58.4	SR
V0936	Car NGC 2808	V016	09 12 09.11	-64 52 51.6	RRAB
V0937	Car NGC 2808	V015	09 12 10.67	-64 51 16.0	RRAB
V0938	Car NGC 2808	V041	09 12 11.31	-64 52 42.2	SR
V0939	Car NGC 2808	V014	09 12 13.40	-64 51 04.0	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0940	Car NGC 2808 V042	09 12 14.48	-64 53 26.7		SR
V0941	Car NGC 2808 V043	09 12 16.65	-64 52 02.9		SR
V0942	Car NGC 2808 V044	09 12 18.48	-64 51 30.7		SR
V0943	Car NGC 2808 V001	09 12 20.23	-64 52 20.5		SR
V0944	Car NGC 2808 V013	09 12 23.34	-64 57 10.6		SXPHE
V0945	Car NGC 2808 V006	09 12 30.08	-64 56 37.9		RRAB
Ruprecht 106					
V1431	Cen Rup 106 V017	12 38 15.88	-51 11 47.4		EW
V1432	Cen Rup 106 V001	12 38 24.32	-51 04 58.9		RRAB
V1433	Cen Rup 106 V015	12 38 27.75	-51 11 26.2		RRAB
V1434	Cen Rup 106 V007	12 38 28.77	-51 09 00.4		EW
V1435	Cen Rup 106 V004	12 38 30.56	-51 08 11.1		SXPHE
V1436	Cen Rup 106 V006	12 38 30.86	-51 08 36.1		RRAB
V1437	Cen Rup 106 V014	12 38 36.27	-51 10 10.3		RRAB
V1438	Cen Rup 106 V016	12 38 36.27	-51 11 27.0		RRAB
V1439	Cen Rup 106 V010	12 38 39.17	-51 09 32.0		RRAB
V1440	Cen Rup 106 V009	12 38 40.25	-51 09 25.3		RRAB
V1441	Cen Rup 106 V012	12 38 40.64	-51 09 39.3		RRAB
V1442	Cen Rup 106 V008	12 38 44.27	-51 09 20.9		RRAB
V1443	Cen Rup 106 V018	12 38 44.89	-51 11 46.8		RRAB
V1444	Cen Rup 106 V005	12 38 46.30	-51 08 34.4		RRAB
V1445	Cen Rup 106 V003	12 38 46.33	-51 07 51.5		SXPHE
V1446	Cen Rup 106 V011	12 38 48.49	-51 09 32.1		SXPHE
V1447	Cen Rup 106 V013	12 38 52.90	-51 09 48.6		RRAB
NGC 5139					
V1448	Cen NGC 5139 V456	13 22 14.48	-47 24 21.6		RRC
V1449	Cen NGC 5139 V175	13 22 22.87	-48 19 04.3		RRC
V1450	Cen NGC 5139 V171	13 22 58.76	-46 47 24.3		RRAB
V1451	Cen NGC 5139 V159	13 23 24.34	-47 43 32.9		RRC
V1452	Cen NGC 5139 V179	13 23 45.36	-48 17 52.6		EA
V1453	Cen NGC 5139 V180	13 24 15.22	-47 40 32.1		EW
V1454	Cen NGC 5139 V450	13 24 45.31	-47 09 17.7		EW
V1455	Cen NGC 5139 V084	13 24 47.49	-47 29 56.1		RRAB
V1456	Cen NGC 5139 V260	13 24 52.72	-47 25 21.9		SXPHE
V1457	Cen NGC 5139 V445	13 24 54.07	-47 41 03.4		SXPHE
V1458	Cen NGC 5139 V444	13 24 57.92	-47 43 36.8		EW
V1459	Cen NGC 5139 V284	13 24 58.54	-47 36 07.4		BY
V1460	Cen NGC 5139 V196	13 25 01.21	-47 25 29.6		SXPHE
V1461	Cen NGC 5139 V248	13 25 02.12	-47 24 15.3		EW
V1462	Cen NGC 5139 V443	13 25 03.82	-47 49 32.7		EW
V1463	Cen NGC 5139 V257	13 25 05.00	-47 28 22.2		EW
V1464	Cen NGC 5139 V085	13 25 06.60	-47 23 33.6		RRAB
V1465	Cen NGC 5139 V063	13 25 07.87	-47 36 53.8		RRAB
V1466	Cen NGC 5139 V234	13 25 08.99	-47 30 24.6		ELL
V1467	Cen NGC 5139 V069	13 25 10.94	-47 37 33.2		RRAB
V1468	Cen NGC 5139 V134	13 25 13.32	-47 12 28.4		RRAB
V1469	Cen NGC 5139 V449	13 25 15.77	-47 03 54.5		EW
V1470	Cen NGC 5139 V235	13 25 19.30	-47 22 30.9		EW
V1471	Cen NGC 5139 V127	13 25 19.43	-47 28 37.5		RRC
V1472	Cen NGC 5139 V170	13 25 21.32	-47 36 54.2		SR
V1473	Cen NGC 5139 V095	13 25 24.90	-47 28 52.9		RRC
V1474	Cen NGC 5139 V046	13 25 30.23	-47 25 51.6		RRAB
V1475	Cen NGC 5139 V045	13 25 30.85	-47 27 20.9		RRAB
V1476	Cen NGC 5139 V160	13 25 36.08	-47 12 32.2		RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1477	Cen NGC 5139 V258	13 25 38.19	-47 25 37.7		ELL
V1478	Cen NGC 5139 V285	13 25 40.10	-47 34 48.5		RRC
V1479	Cen NGC 5139 V055	13 25 45.38	-47 42 19.3		RRAB
V1480	Cen NGC 5139 V249	13 25 46.27	-47 26 28.8		SXPHE
V1481	Cen NGC 5139 V300	13 25 46.54	-47 24 00.6		SXPHE
V1482	Cen NGC 5139 V163	13 25 49.47	-47 20 21.7		RRC
V1483	Cen NGC 5139 V033	13 25 51.56	-47 29 06.1		RRAB
V1484	Cen NGC 5139 V336	13 25 51.96	-47 32 59.2		EW
V1485	Cen NGC 5139 V236	13 25 52.15	-47 24 08.4		EW
V1486	Cen NGC 5139 V168	13 25 52.72	-47 32 03.3		RRC
V1487	Cen NGC 5139 V376	13 25 52.79	-47 28 53.1		RS:
V1488	Cen NGC 5139 V237	13 25 52.88	-47 23 56.0		SXPHE
V1489	Cen NGC 5139 V073	13 25 53.65	-47 16 10.6		RRAB
V1490	Cen NGC 5139 V050	13 25 53.91	-47 27 36.1		RRC
V1491	Cen NGC 5139 V056	13 25 55.44	-47 37 44.4		RRAB
V1492	Cen NGC 5139 V003	13 25 56.14	-47 25 54.2		RRAB
V1493	Cen NGC 5139 V047	13 25 56.47	-47 24 12.3		RRC
V1494	Cen NGC 5139 V094	13 25 57.07	-47 22 46.4		RRC
V1495	Cen NGC 5139 V013	13 25 58.17	-47 25 22.0		RRAB
V1496	Cen NGC 5139 V053	13 25 58.72	-47 36 09.8		SRD
V1497	Cen NGC 5139 V009	13 25 59.57	-47 26 24.4		RRAB
V1498	Cen NGC 5139 V014	13 25 59.66	-47 39 09.9		RRC
V1499	Cen NGC 5139 V065	13 26 01.55	-47 36 36.0		SXPHE
V1500	Cen NGC 5139 V360	13 26 02.02	-47 32 24.2		ELL:
V1501	Cen NGC 5139 V064	13 26 02.15	-47 36 19.6		RRC
V1502	Cen NGC 5139 V259	13 26 03.58	-47 29 30.6		RS:
V1503	Cen NGC 5139 V185	13 26 04.06	-47 21 46.9		RRC
V1504	Cen NGC 5139 V001	13 26 05.17	-47 23 42.5		RVA
V1505	Cen NGC 5139 V186	13 26 05.36	-47 28 20.6		SRB
V1506	Cen NGC 5139 V446	13 26 05.63	-47 23 54.3		RS:
V1507	Cen NGC 5139 V010	13 26 06.99	-47 24 37.0		RRC
V1508	Cen NGC 5139 V034	13 26 07.17	-47 33 10.9		RRAB
V1509	Cen NGC 5139 V162	13 26 07.62	-47 32 54.1		SRD:
V1510	Cen NGC 5139 V049	13 26 07.72	-47 37 55.9		RRAB
V1511	Cen NGC 5139 V216	13 26 08.22	-47 30 32.7		RS:
V1512	Cen NGC 5139 V332	13 26 08.24	-47 31 26.5		EW
V1513	Cen NGC 5139 V219	13 26 08.43	-47 19 24.6		SXPHE
V1514	Cen NGC 5139 V130	13 26 10.00	-47 13 39.9		RRAB
V1515	Cen NGC 5139 V226	13 26 10.46	-47 29 57.3		SXPHE
V1516	Cen NGC 5139 V201	13 26 11.09	-47 15 54.1		SXPHE
V1517	Cen NGC 5139 V021	13 26 11.15	-47 25 59.3		RRC
V1518	Cen NGC 5139 V218	13 26 11.22	-47 17 54.0		SXPHE
V1519	Cen NGC 5139 V115	13 26 12.27	-47 34 18.0		RRAB
V1520	Cen NGC 5139 V068	13 26 12.79	-47 19 36.1		RR
V1521	Cen NGC 5139 V004	13 26 12.92	-47 24 19.2		RRAB
V1522	Cen NGC 5139 V058	13 26 13.03	-47 24 03.4		RRC
V1523	Cen NGC 5139 V263	13 26 13.11	-47 26 10.2		RRAB
V1524	Cen NGC 5139 V227	13 26 14.36	-47 23 54.2		SXPHE
V1525	Cen NGC 5139 V092	13 26 14.82	-47 21 14.8		CWB
V1526	Cen NGC 5139 V316	13 26 14.85	-47 31 10.8		SXPHE
V1527	Cen NGC 5139 V454	13 26 14.96	-47 33 06.2		RPHS
V1528	Cen NGC 5139 V030	13 26 15.91	-47 29 56.5		RRC
V1529	Cen NGC 5139 V217	13 26 16.91	-47 27 26.0		SXPHE
V1530	Cen NGC 5139 V209	13 26 17.26	-47 23 17.2		EA

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1531	Cen NGC 5139 V232	13 26 17.32	-47 11 49.8		SXPHE
V1532	Cen NGC 5139 V296	13 26 17.39	-47 18 16.2		SXPHE
V1533	Cen NGC 5139 V128	13 26 17.73	-47 30 13.6		RRAB
V1534	Cen NGC 5139 V357	13 26 17.75	-47 30 24.0		RRC
V1535	Cen NGC 5139 V324	13 26 18.14	-47 30 35.5		SXPHE
V1536	Cen NGC 5139 V005	13 26 18.31	-47 23 12.8		RRAB
V1537	Cen NGC 5139 V059	13 26 18.40	-47 29 47.3		RRAB
V1538	Cen NGC 5139 V222	13 26 18.52	-47 41 12.6		SXPHE
V1539	Cen NGC 5139 V304	13 26 19.58	-47 20 01.5		SXPHE
V1540	Cen NGC 5139 V117	13 26 19.88	-47 29 21.6		RRC
V1541	Cen NGC 5139 V309	13 26 20.14	-47 28 39.7		SXPHE
V1542	Cen NGC 5139 V197	13 26 20.45	-47 31 59.4		SXPHE
V1543	Cen NGC 5139 V448	13 26 20.56	-47 04 27.3		EA
V1544	Cen NGC 5139 V044	13 26 22.38	-47 34 35.7		RRAB
V1545	Cen NGC 5139 V363	13 26 22.73	-47 21 43.0		EA
V1546	Cen NGC 5139 V054	13 26 23.50	-47 18 48.1		RRAB
V1547	Cen NGC 5139 V026	13 26 23.60	-47 26 59.9		RRAB
V1548	Cen NGC 5139 V224	13 26 23.75	-47 19 13.2		RS:
V1549	Cen NGC 5139 V040	13 26 24.54	-47 30 46.6		RRAB
V1550	Cen NGC 5139 V453	13 26 24.74	-47 24 51.8		RPHS
V1551	Cen NGC 5139 V230	13 26 25.40	-47 46 40.7		SXPHE
V1552	Cen NGC 5139 V025	13 26 25.49	-47 28 23.8		RRAB
V1553	Cen NGC 5139 V120	13 26 25.51	-47 32 49.0		RRAB
V1554	Cen NGC 5139 V027	13 26 26.01	-47 28 17.0		RRAB
V1555	Cen NGC 5139 V062	13 26 26.57	-47 27 55.8		RRAB
V1556	Cen NGC 5139 V015	13 26 27.08	-47 24 38.4		RRAB
V1557	Cen NGC 5139 V012	13 26 27.17	-47 24 06.6		RRC
V1558	Cen NGC 5139 V029	13 26 27.22	-47 28 47.6		CWA
V1559	Cen NGC 5139 V355	13 26 28.04	-47 28 33.2		EB
V1560	Cen NGC 5139 V135	13 26 28.14	-47 29 17.6		RRAB
V1561	Cen NGC 5139 V121	13 26 28.16	-47 31 51.0		RRC
V1562	Cen NGC 5139 V319	13 26 28.52	-47 31 03.0		SXPHE
V1563	Cen NGC 5139 V067	13 26 28.56	-47 18 47.2		RRAB
V1564	Cen NGC 5139 V199	13 26 28.63	-47 28 38.4		SXPHE
V1565	Cen NGC 5139 V318	13 26 28.65	-47 26 00.3		SXPHE
V1566	Cen NGC 5139 V399	13 26 29.51	-47 30 03.1		RRC
V1567	Cen NGC 5139 V339	13 26 29.65	-47 29 52.4		RRC
V1568	Cen NGC 5139 V131	13 26 30.03	-47 29 41.0		RRC
V1569	Cen NGC 5139 V215	13 26 30.14	-47 41 44.3		EW
V1570	Cen NGC 5139 V265	13 26 30.19	-47 28 45.7		RRC
V1571	Cen NGC 5139 V006	13 26 30.20	-47 24 27.8		SRB
V1572	Cen NGC 5139 V122	13 26 30.30	-47 33 02.6		RRAB
V1573	Cen NGC 5139 V011	13 26 30.54	-47 23 01.9		RRAB
V1574	Cen NGC 5139 V136	13 26 31.06	-47 27 40.9		RRC
V1575	Cen NGC 5139 V303	13 26 31.33	-47 31 01.9		SXPHE
V1576	Cen NGC 5139 V441	13 26 31.45	-47 53 59.5		RS:
V1577	Cen NGC 5139 V137	13 26 31.53	-47 27 04.6		RRC
V1578	Cen NGC 5139 V310	13 26 31.76	-47 31 57.4		SXPHE
V1579	Cen NGC 5139 V066	13 26 33.02	-47 22 25.5		RRC
V1580	Cen NGC 5139 V205	13 26 33.30	-47 23 00.3		EB
V1581	Cen NGC 5139 V043	13 26 34.51	-47 26 57.7		CWB
V1582	Cen NGC 5139 V198	13 26 34.56	-47 31 03.5		SXPHE
V1583	Cen NGC 5139 V293	13 26 34.84	-47 34 11.1		SRB
V1584	Cen NGC 5139 V325	13 26 35.05	-47 30 09.1		SXPHE

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1585	Cen NGC 5139 V268	13 26 35.10	-47 26 11.2		RRAB
V1586	Cen NGC 5139 V052	13 26 35.15	-47 28 04.5		RRAB
V1587	Cen NGC 5139 V331	13 26 35.15	-47 26 06.3		EW
V1588	Cen NGC 5139 V138	13 26 35.41	-47 31 48.5		SR
V1589	Cen NGC 5139 V116	13 26 35.45	-47 28 07.5		RRAB
V1590	Cen NGC 5139 V060	13 26 35.68	-47 32 48.5		CWB
V1591	Cen NGC 5139 V161	13 26 36.81	-47 30 50.0		SR:
V1592	Cen NGC 5139 V345	13 26 36.90	-47 29 38.8		EB
V1593	Cen NGC 5139 V139	13 26 37.71	-47 27 35.5		RRAB
V1594	Cen NGC 5139 V048	13 26 37.80	-47 30 25.4		CWB
V1595	Cen NGC 5139 V344	13 26 38.03	-47 24 45.0		RRC
V1596	Cen NGC 5139 V119	13 26 38.27	-47 31 18.4		RRC
V1597	Cen NGC 5139 V313	13 26 38.30	-47 31 36.9		SXPHE
V1598	Cen NGC 5139 V378	13 26 38.44	-47 19 59.7		EA
V1599	Cen NGC 5139 V291	13 26 38.52	-47 33 26.3		RRC
V1600	Cen NGC 5139 V354	13 26 38.58	-47 25 10.3		RRC
V1601	Cen NGC 5139 V409	13 26 38.71	-47 21 40.0		EA
V1602	Cen NGC 5139 V322	13 26 38.88	-47 27 38.6		SXPHE
V1603	Cen NGC 5139 V340	13 26 38.90	-47 27 32.9		RRC
V1604	Cen NGC 5139 V202	13 26 38.97	-47 11 51.2		SXPHE
V1605	Cen NGC 5139 V132	13 26 39.18	-47 29 10.1		RRAB
V1606	Cen NGC 5139 V096	13 26 39.31	-47 27 03.0		RRAB
V1607	Cen NGC 5139 V165	13 26 39.44	-47 26 56.1		RRAB
V1608	Cen NGC 5139 V266	13 26 39.65	-47 28 01.7		RRC
V1609	Cen NGC 5139 V264	13 26 39.66	-47 30 28.2		RRC
V1610	Cen NGC 5139 V326	13 26 40.17	-47 24 55.8		SXPHE
V1611	Cen NGC 5139 V267	13 26 40.18	-47 26 36.1		RRC
V1612	Cen NGC 5139 V312	13 26 40.40	-47 29 11.2		SXPHE
V1613	Cen NGC 5139 V228	13 26 40.48	-47 33 46.7		SXPHE
V1614	Cen NGC 5139 V118	13 26 40.53	-47 30 19.5		RRAB
V1615	Cen NGC 5139 V411	13 26 40.77	-47 28 17.0		RRAB
V1616	Cen NGC 5139 V141	13 26 40.86	-47 29 28.3		RRAB
V1617	Cen NGC 5139 V366	13 26 41.54	-47 31 42.4		RRAB
V1618	Cen NGC 5139 V338	13 26 41.59	-47 31 30.3		EB
V1619	Cen NGC 5139 V051	13 26 42.58	-47 24 21.6		RRAB
V1620	Cen NGC 5139 V143	13 26 42.59	-47 27 29.1		RRAB
V1621	Cen NGC 5139 V142	13 26 42.63	-47 28 43.0		RRC:
V1622	Cen NGC 5139 V272	13 26 42.95	-47 25 56.6		RRC
V1623	Cen NGC 5139 V144	13 26 43.03	-47 28 18.1		RRAB
V1624	Cen NGC 5139 V323	13 26 43.30	-47 25 05.1		SXPHE
V1625	Cen NGC 5139 V274	13 26 43.72	-47 22 48.3		RRC
V1626	Cen NGC 5139 V297	13 26 43.78	-47 25 49.9		SXPHE
V1627	Cen NGC 5139 V353	13 26 43.79	-47 27 56.6		RRC
V1628	Cen NGC 5139 V348	13 26 44.17	-47 27 39.1		EB
V1629	Cen NGC 5139 V392	13 26 44.19	-47 35 18.9		SR
V1630	Cen NGC 5139 V321	13 26 44.55	-47 27 54.1		SXPHE
V1631	Cen NGC 5139 V440	13 26 44.65	-47 51 12.5		EW
V1632	Cen NGC 5139 V327	13 26 45.21	-47 26 34.0		SXPHE
V1633	Cen NGC 5139 V158	13 26 45.34	-47 30 40.2		RRC
V1634	Cen NGC 5139 V090	13 26 45.76	-47 26 23.4		RRAB
V1635	Cen NGC 5139 V089	13 26 45.95	-47 26 01.2		RRC
V1636	Cen NGC 5139 V166	13 26 45.98	-47 26 15.4		RRC
V1637	Cen NGC 5139 V315	13 26 46.03	-47 24 57.9		SXPHE
V1638	Cen NGC 5139 V458	13 26 46.11	-47 28 57.1		LB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1639	Cen NGC 5139 V459	13 26 46.32	-47 28 40.4		LB
V1640	Cen NGC 5139 V042	13 26 46.36	-47 29 30.6		SRA
V1641	Cen NGC 5139 V023	13 26 46.48	-47 24 39.7		RRAB
V1642	Cen NGC 5139 V157	13 26 46.49	-47 27 17.5		RRC
V1643	Cen NGC 5139 V346	13 26 46.93	-47 28 14.1		RRC
V1644	Cen NGC 5139 V302	13 26 47.04	-47 25 44.4		SXPHE
V1645	Cen NGC 5139 V271	13 26 47.10	-47 30 04.3		RRC
V1646	Cen NGC 5139 V140	13 26 47.10	-47 30 07.3		RRAB
V1647	Cen NGC 5139 V233	13 26 47.28	-47 20 32.0		SXPHE
V1648	Cen NGC 5139 V210	13 26 47.32	-47 36 00.2		EA
V1649	Cen NGC 5139 V211	13 26 47.38	-47 23 16.2		EA
V1650	Cen NGC 5139 V152	13 26 47.73	-47 29 29.1		SRD:
V1651	Cen NGC 5139 V343	13 26 47.79	-47 29 37.6		RRC
V1652	Cen NGC 5139 V156	13 26 47.87	-47 31 52.7		RRC
V1653	Cen NGC 5139 V220	13 26 48.62	-47 21 42.4		SXPHE
V1654	Cen NGC 5139 V393	13 26 48.86	-47 38 00.5		RS:
V1655	Cen NGC 5139 V125	13 26 48.98	-47 41 03.7		RRAB
V1656	Cen NGC 5139 V111	13 26 48.99	-47 28 40.6		RRAB
V1657	Cen NGC 5139 V320	13 26 49.43	-47 34 29.3		SXPHE
V1658	Cen NGC 5139 V153	13 26 49.65	-47 26 24.0		RRC
V1659	Cen NGC 5139 V275	13 26 49.75	-47 27 37.3		RRC
V1660	Cen NGC 5139 V114	13 26 50.10	-47 30 21.6		RRAB
V1661	Cen NGC 5139 V298	13 26 50.23	-47 34 03.6		SXPHE
V1662	Cen NGC 5139 V091	13 26 50.61	-47 26 15.6		RRAB
V1663	Cen NGC 5139 V347	13 26 50.82	-47 27 46.3		RRC
V1664	Cen NGC 5139 V123	13 26 51.07	-47 37 13.4		RRC
V1665	Cen NGC 5139 V145	13 26 51.21	-47 31 08.9		RRC
V1666	Cen NGC 5139 V349	13 26 51.80	-47 27 43.9		RRC
V1667	Cen NGC 5139 V330	13 26 52.06	-47 24 46.4		EW
V1668	Cen NGC 5139 V146	13 26 52.84	-47 29 28.3		RRAB
V1669	Cen NGC 5139 V035	13 26 53.24	-47 22 34.9		RRC
V1670	Cen NGC 5139 V155	13 26 53.64	-47 24 42.8		RRC
V1671	Cen NGC 5139 V112	13 26 54.24	-47 30 23.8		RRAB
V1672	Cen NGC 5139 V273	13 26 54.34	-47 27 09.0		RRC
V1673	Cen NGC 5139 V352	13 26 54.35	-47 29 11.3		RRC
V1674	Cen NGC 5139 V124	13 26 54.38	-47 39 07.7		RRC
V1675	Cen NGC 5139 V341	13 26 54.63	-47 28 48.5		RRC
V1676	Cen NGC 5139 V394	13 26 55.55	-47 34 23.4		LB
V1677	Cen NGC 5139 V088	13 26 55.89	-47 25 16.7		RRAB
V1678	Cen NGC 5139 V207	13 26 56.07	-47 23 17.9		EW
V1679	Cen NGC 5139 V364	13 26 56.22	-47 26 10.8		EA
V1680	Cen NGC 5139 V113	13 26 56.29	-47 31 48.0		RRAB
V1681	Cen NGC 5139 V350	13 26 56.35	-47 30 50.6		RRC
V1682	Cen NGC 5139 V270	13 26 56.53	-47 30 06.2		RRC
V1683	Cen NGC 5139 V076	13 26 57.27	-47 20 07.9		RRC
V1684	Cen NGC 5139 V087	13 26 57.47	-47 25 35.8		RRC
V1685	Cen NGC 5139 V106	13 26 59.17	-47 28 12.9		RRAB
V1686	Cen NGC 5139 V277	13 26 59.95	-47 27 29.7		RRC
V1687	Cen NGC 5139 V299	13 27 00.30	-47 22 30.1		SXPHE
V1688	Cen NGC 5139 V007	13 27 01.02	-47 14 00.1		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1689	Cen NGC 5139 V164	13 27 01.18	-47 20 41.0		SRD:
V1690	Cen NGC 5139 V328	13 27 01.29	-47 31 49.3		SXPHE
V1691	Cen NGC 5139 V041	13 27 01.38	-47 31 02.0		RRAB
V1692	Cen NGC 5139 V109	13 27 01.53	-47 29 37.1		RRAB
V1693	Cen NGC 5139 V110	13 27 02.05	-47 30 07.0		RRC
V1694	Cen NGC 5139 V099	13 27 02.14	-47 27 49.3		RRAB
V1695	Cen NGC 5139 V225	13 27 02.29	-47 24 36.8		SXPHE
V1696	Cen NGC 5139 V213	13 27 02.85	-47 08 49.0		EW
V1697	Cen NGC 5139 V307	13 27 03.01	-47 27 46.0		SXPHE
V1698	Cen NGC 5139 V154	13 27 03.12	-47 30 33.1		RRC
V1699	Cen NGC 5139 V038	13 27 03.24	-47 36 30.5		RRAB
V1700	Cen NGC 5139 V032	13 27 03.34	-47 21 39.2		RRAB
V1701	Cen NGC 5139 V100	13 27 04.02	-47 27 33.8		RRAB
V1702	Cen NGC 5139 V108	13 27 04.67	-47 29 26.2		RRAB
V1703	Cen NGC 5139 V452	13 27 04.84	-47 32 32.3		RPHS
V1704	Cen NGC 5139 V129	13 27 05.30	-47 29 05.2		SR:
V1705	Cen NGC 5139 V098	13 27 05.83	-47 26 57.1		RRC
V1706	Cen NGC 5139 V281	13 27 06.38	-47 47 23.1		RRC
V1707	Cen NGC 5139 V206	13 27 06.84	-47 36 03.3		EW
V1708	Cen NGC 5139 V200	13 27 06.91	-47 26 10.4		SXPHE
V1709	Cen NGC 5139 V074	13 27 07.25	-47 17 34.4		RRAB
V1710	Cen NGC 5139 V204	13 27 07.90	-47 37 05.5		SXPHE
V1711	Cen NGC 5139 V431	13 27 08.05	-47 31 39.8		BY:
V1712	Cen NGC 5139 V071	13 27 08.06	-47 27 52.1		RRC
V1713	Cen NGC 5139 V430	13 27 08.25	-47 31 42.0		EA
V1714	Cen NGC 5139 V292	13 27 08.41	-47 31 49.3		SR
V1715	Cen NGC 5139 V083	13 27 08.43	-47 21 34.4		RRC
V1716	Cen NGC 5139 V097	13 27 08.48	-47 25 31.4		RRAB
V1717	Cen NGC 5139 V314	13 27 08.90	-47 30 08.9		SXPHE
V1718	Cen NGC 5139 V280	13 27 09.34	-47 23 06.1		RRC
V1719	Cen NGC 5139 V377	13 27 10.10	-47 21 27.8		RS:
V1720	Cen NGC 5139 V036	13 27 10.19	-47 15 29.5		RRC
V1721	Cen NGC 5139 V208	13 27 10.52	-47 26 07.5		EW
V1722	Cen NGC 5139 V391	13 27 10.55	-47 37 00.2		SRB
V1723	Cen NGC 5139 V306	13 27 10.99	-47 28 24.8		SXPHE
V1724	Cen NGC 5139 V365	13 27 11.59	-47 35 02.5		EB
V1725	Cen NGC 5139 V451	13 27 11.77	-47 32 29.0		RPHS
V1726	Cen NGC 5139 V229	13 27 12.60	-47 23 58.8		SXPHE
V1727	Cen NGC 5139 V335	13 27 13.60	-47 17 21.0		EW
V1728	Cen NGC 5139 V337	13 27 13.78	-47 32 25.1		EW:
V1729	Cen NGC 5139 V061	13 27 13.97	-47 27 31.0		CWB
V1730	Cen NGC 5139 V107	13 27 14.03	-47 30 58.4		RRAB
V1731	Cen NGC 5139 V020	13 27 14.04	-47 28 06.9		RRAB
V1732	Cen NGC 5139 V103	13 27 14.27	-47 28 36.8		RRC
V1733	Cen NGC 5139 V460	13 27 15.00	-47 30 51.0		RPHS
V1734	Cen NGC 5139 V086	13 27 15.18	-47 26 11.6		RRAB
V1735	Cen NGC 5139 V261	13 27 15.40	-47 21 29.9		RRC
V1736	Cen NGC 5139 V195	13 27 15.64	-47 24 34.8		SXPHE
V1737	Cen NGC 5139 V418	13 27 15.76	-47 13 10.0		RS:
V1738	Cen NGC 5139 V148	13 27 15.83	-47 27 54.6		SR
V1739	Cen NGC 5139 V147	13 27 15.89	-47 31 10.2		RRC
V1740	Cen NGC 5139 V221	13 27 15.95	-47 21 48.8		SXPHE
V1741	Cen NGC 5139 V276	13 27 16.49	-47 33 18.1		RRC
V1742	Cen NGC 5139 V361	13 27 17.81	-47 26 34.1		EA

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1743	Cen NGC 5139 V342	13 27 18.68	-47 28 23.4		RRC
V1744	Cen NGC 5139 V231	13 27 19.04	-47 35 54.3		SXPHE
V1745	Cen NGC 5139 V192	13 27 19.33	-47 21 52.6		EA
V1746	Cen NGC 5139 V425	13 27 19.49	-47 21 48.9		EA
V1747	Cen NGC 5139 V075	13 27 19.69	-47 18 47.0		RRC
V1748	Cen NGC 5139 V203	13 27 19.99	-47 15 20.7		SXPHE
V1749	Cen NGC 5139 V358	13 27 20.18	-47 31 48.8		EA
V1750	Cen NGC 5139 V169	13 27 20.46	-47 23 59.5		RRC
V1751	Cen NGC 5139 V077	13 27 20.87	-47 22 06.0		RRC
V1752	Cen NGC 5139 V369	13 27 21.56	-47 32 06.6		BY:
V1753	Cen NGC 5139 V212	13 27 21.72	-47 23 33.0		EA
V1754	Cen NGC 5139 V214	13 27 21.80	-47 37 19.4		EW
V1755	Cen NGC 5139 V102	13 27 22.09	-47 30 12.9		RRAB
V1756	Cen NGC 5139 V253	13 27 22.13	-47 27 52.3		SXPHE
V1757	Cen NGC 5139 V334	13 27 23.39	-47 29 11.9		EW
V1758	Cen NGC 5139 V301	13 27 25.18	-47 29 49.9		SXPHE
V1759	Cen NGC 5139 V367	13 27 27.66	-47 19 07.6		RS:
V1760	Cen NGC 5139 V295	13 27 27.66	-47 20 07.8		SXPHE
V1761	Cen NGC 5139 V070	13 27 27.75	-47 33 43.2		RRC
V1762	Cen NGC 5139 V251	13 27 27.87	-47 26 45.0		EW
V1763	Cen NGC 5139 V239	13 27 28.48	-47 29 22.2		EA
V1764	Cen NGC 5139 V184	13 27 28.49	-47 31 36.0		RRC
V1765	Cen NGC 5139 V254	13 27 28.59	-47 27 39.5		EW
V1766	Cen NGC 5139 V240	13 27 28.66	-47 26 20.0		EW
V1767	Cen NGC 5139 V362	13 27 29.43	-47 21 03.8		EA
V1768	Cen NGC 5139 V416	13 27 29.64	-47 13 09.6		EW
V1769	Cen NGC 5139 V252	13 27 29.71	-47 29 00.5		SXPHE
V1770	Cen NGC 5139 V407	13 27 30.02	-47 22 31.9		EA
V1771	Cen NGC 5139 V019	13 27 30.13	-47 28 05.7		RRC
V1772	Cen NGC 5139 V101	13 27 30.23	-47 29 51.6		RRC
V1773	Cen NGC 5139 V250	13 27 31.75	-47 35 42.1		SXPHE
V1774	Cen NGC 5139 V294	13 27 31.99	-47 25 03.8		SXPHE
V1775	Cen NGC 5139 V149	13 27 32.85	-47 13 43.3		RRAB
V1776	Cen NGC 5139 V072	13 27 33.02	-47 16 22.7		RRC
V1777	Cen NGC 5139 V238	13 27 33.96	-47 29 23.4		SXPHE
V1778	Cen NGC 5139 V439	13 27 35.07	-47 49 46.4		BY:
V1779	Cen NGC 5139 V082	13 27 35.59	-47 26 30.8		RRC
V1780	Cen NGC 5139 V241	13 27 36.18	-47 23 47.9		EB
V1781	Cen NGC 5139 V081	13 27 36.64	-47 24 48.7		RRC
V1782	Cen NGC 5139 V016	13 27 37.71	-47 37 35.1		RRC
V1783	Cen NGC 5139 V017	13 27 37.74	-47 25 17.4		SRB
V1784	Cen NGC 5139 V024	13 27 38.33	-47 34 15.0		RRC
V1785	Cen NGC 5139 V438	13 27 38.66	-47 42 51.2		BY:
V1786	Cen NGC 5139 V150	13 27 40.24	-47 36 00.4		RRAB
V1787	Cen NGC 5139 V022	13 27 41.05	-47 34 08.0		RRC
V1788	Cen NGC 5139 V406	13 27 42.11	-47 23 34.9		EA
V1789	Cen NGC 5139 V078	13 27 44.03	-47 26 09.7		EA
V1790	Cen NGC 5139 V018	13 27 45.07	-47 24 56.9		RRAB
V1791	Cen NGC 5139 V242	13 27 45.11	-47 29 47.5		EA
V1792	Cen NGC 5139 V105	13 27 46.04	-47 32 44.3		RRC
V1793	Cen NGC 5139 V008	13 27 48.43	-47 28 20.7		RRAB
V1794	Cen NGC 5139 V057	13 27 49.42	-47 36 50.6		RRAB
V1795	Cen NGC 5139 V308	13 27 50.03	-47 21 16.1		SXPHE
V1796	Cen NGC 5139 V305	13 27 51.41	-47 19 51.5		SXPHE

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1797	Cen NGC 5139 V414	13 27 53.77	-47 13 18.4		SXPHE
V1798	Cen NGC 5139 V455	13 27 53.94	-46 55 43.8		RRAB
V1799	Cen NGC 5139 V194	13 27 53.95	-47 31 54.3		SXPHE
V1800	Cen NGC 5139 V172	13 27 55.04	-47 04 38.4		RRAB
V1801	Cen NGC 5139 V039	13 27 59.82	-47 34 42.3		RRC
V1802	Cen NGC 5139 V417	13 27 59.84	-47 13 12.6		EW
V1803	Cen NGC 5139 V289	13 28 03.56	-47 21 28.0		RRC
V1804	Cen NGC 5139 V317	13 28 06.01	-47 17 30.7		SXPHE
V1805	Cen NGC 5139 V437	13 28 06.41	-47 46 55.3		EB
V1806	Cen NGC 5139 V246	13 28 06.84	-47 45 33.7		EW
V1807	Cen NGC 5139 V104	13 28 07.80	-47 33 44.7		RRAB
V1808	Cen NGC 5139 V126	13 28 08.14	-47 40 46.5		RRC
V1809	Cen NGC 5139 V247	13 28 08.42	-47 40 44.9		EW
V1810	Cen NGC 5139 V174	13 28 10.06	-48 02 29.4		EA
V1811	Cen NGC 5139 V288	13 28 10.40	-47 23 47.6		RRC
V1812	Cen NGC 5139 V422	13 28 18.82	-47 18 34.1		EW
V1813	Cen NGC 5139 V243	13 28 23.36	-47 28 36.7		EB
V1814	Cen NGC 5139 V423	13 28 23.61	-47 21 16.3		RS:
V1815	Cen NGC 5139 V079	13 28 25.07	-47 29 24.8		RRAB
V1816	Cen NGC 5139 V151	13 28 25.30	-47 16 00.0		RRC
V1817	Cen NGC 5139 V421	13 28 26.04	-47 23 52.1		EW
V1818	Cen NGC 5139 V245	13 28 32.90	-47 26 24.1		EB
V1819	Cen NGC 5139 V255	13 28 35.37	-47 23 56.7		EW
V1820	Cen NGC 5139 V244	13 28 37.29	-47 34 28.7		EW
V1821	Cen NGC 5139 V420	13 28 44.68	-47 24 50.7		SXPHE
V1822	Cen NGC 5139 V434	13 28 51.79	-47 48 19.1		EB
V1823	Cen NGC 5139 V428	13 28 52.05	-47 38 06.8		BY:
V1824	Cen NGC 5139 V419	13 28 53.68	-47 19 29.4		SXPHE
V1825	Cen NGC 5139 V427	13 28 53.81	-47 37 34.7		EA
V1826	Cen NGC 5139 V080	13 28 54.96	-47 30 16.4		RRC:
V1827	Cen NGC 5139 V426	13 28 59.92	-47 36 11.8		BY:
V1828	Cen NGC 5139 V412	13 29 02.33	-47 04 25.7		EW
V1829	Cen NGC 5139 V177	13 29 04.15	-47 36 21.4		RRC
V1830	Cen NGC 5139 V432	13 29 04.67	-47 50 31.1		EW
V1831	Cen NGC 5139 V429	13 29 05.45	-47 39 49.5		EW
V1832	Cen NGC 5139 V183	13 29 39.49	-47 30 18.4		RRC
V1833	Cen NGC 5139 V173	13 29 43.13	-47 16 57.8		RRC
V1834	Cen NGC 5139NV457	13 29 54.55	-47 50 46.0		RRAB
V1835	Cen NGC 5139NV458	13 30 00.09	-47 13 05.7		RRAB
V1836	Cen NGC 5139 V181	13 30 00.34	-47 48 45.0		RRAB
	NGC 5286				
V1837	Cen NGC 5286 V012	13 46 09.00	-51 22 34.2		RRC
V1838	Cen NGC 5286 V028	13 46 15.85	-51 23 25.2		RRAB
V1839	Cen NGC 5286 V029	13 46 17.39	-51 20 31.4		RRC
V1840	Cen NGC 5286 V026	13 46 17.62	-51 23 49.5		RRC
V1841	Cen NGC 5286 V004	13 46 19.19	-51 23 40.0		RRC
V1842	Cen NGC 5286 V001	13 46 21.23	-51 20 02.5		RRAB
V1843	Cen NGC 5286 V044	13 46 22.47	-51 22 37.5		RRC
V1844	Cen NGC 5286 V014	13 46 23.19	-51 23 31.5		RRC
V1845	Cen NGC 5286 V010	13 46 23.89	-51 22 40.4		RRAB
V1846	Cen NGC 5286 V015	13 46 24.05	-51 22 50.5		RRAB
V1847	Cen NGC 5286 V049	13 46 24.09	-51 22 12.6		RRAB
V1848	Cen NGC 5286 V070	13 46 24.34	-51 22 47.2		LB
V1849	Cen NGC 5286 V033	13 46 24.52	-51 23 05.0		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1850	Cen NGC 5286 V059	13 46 24.86	-51 22 56.9		LB:
V1851	Cen NGC 5286 V034	13 46 25.03	-51 22 55.8		RRC
V1852	Cen NGC 5286 V056	13 46 25.11	-51 22 24.4		RRC
V1853	Cen NGC 5286 V055	13 46 25.40	-51 22 25.9		RRC
V1854	Cen NGC 5286 V063	13 46 25.41	-51 22 42.9		SXPHE
V1855	Cen NGC 5286 V039	13 46 25.50	-51 22 46.9		RRAB
V1856	Cen NGC 5286 V020	13 46 25.67	-51 21 30.6		RRC
V1857	Cen NGC 5286 V031	13 46 25.77	-51 21 28.3		RRC
V1858	Cen NGC 5286 V021	13 46 25.82	-51 23 54.4		RRAB
V1859	Cen NGC 5286 V069	13 46 25.87	-51 22 16.3		LB
V1860	Cen NGC 5286 V035	13 46 25.97	-51 22 56.1		RRAB
V1861	Cen NGC 5286 V050	13 46 25.98	-51 22 30.4		RRC
V1862	Cen NGC 5286 V011	13 46 26.12	-51 23 28.2		RRAB
V1863	Cen NGC 5286 V067	13 46 26.12	-51 22 23.8		SR
V1864	Cen NGC 5286 V032	13 46 26.16	-51 23 05.7		RRAB
V1865	Cen NGC 5286 V068	13 46 26.19	-51 22 26.6		SR
V1866	Cen NGC 5286 V030	13 46 26.34	-51 23 20.2		RRAB
V1867	Cen NGC 5286 V036	13 46 26.51	-51 22 57.1		RRAB
V1868	Cen NGC 5286 V047	13 46 26.52	-51 22 11.6		RRAB
V1869	Cen NGC 5286 V041	13 46 26.58	-51 22 42.9		RRC
V1870	Cen NGC 5286 V058	13 46 26.63	-51 22 19.4		RRC
V1871	Cen NGC 5286 V043	13 46 26.71	-51 22 38.1		RRAB
V1872	Cen NGC 5286 V065	13 46 26.76	-51 22 28.9		RRAB
V1873	Cen NGC 5286 V064	13 46 26.78	-51 22 26.5		RRC
V1874	Cen NGC 5286 V025	13 46 26.79	-51 25 50.3		RRC
V1875	Cen NGC 5286 V040	13 46 26.91	-51 22 44.3		RRC
V1876	Cen NGC 5286 V073	13 46 27.01	-51 22 30.0		LB
V1877	Cen NGC 5286 V066	13 46 27.17	-51 22 40.2		SR
V1878	Cen NGC 5286 V037	13 46 27.27	-51 22 51.7		RRAB
V1879	Cen NGC 5286 V072	13 46 27.36	-51 22 16.3		LB
V1880	Cen NGC 5286 V046	13 46 27.47	-51 22 33.9		RRAB
V1881	Cen NGC 5286 V071	13 46 27.66	-51 22 35.3		LB
V1882	Cen NGC 5286 V057	13 46 27.79	-51 22 20.7		RRC
V1883	Cen NGC 5286 V008	13 46 28.40	-51 23 03.4		CWB
V1884	Cen NGC 5286 V053	13 46 28.68	-51 22 27.6		RRC
V1885	Cen NGC 5286 V042	13 46 28.96	-51 22 40.5		RRC
V1886	Cen NGC 5286 V060	13 46 29.00	-51 22 51.7		LB:
V1887	Cen NGC 5286 V048	13 46 29.00	-51 22 33.4		RRAB
V1888	Cen NGC 5286 V054	13 46 29.03	-51 22 18.4		RRAB
V1889	Cen NGC 5286 V038	13 46 29.11	-51 22 02.6		RRC
V1890	Cen NGC 5286 V045	13 46 29.32	-51 22 34.6		RRAB
V1891	Cen NGC 5286 V007	13 46 29.36	-51 23 30.4		RRAB
V1892	Cen NGC 5286 V052	13 46 29.96	-51 22 29.6		RRAB
V1893	Cen NGC 5286 V051	13 46 29.99	-51 22 16.2		RRAB
V1894	Cen NGC 5286 V061	13 46 30.42	-51 22 08.7		LB:
V1895	Cen NGC 5286 V027	13 46 30.48	-51 23 24.7		RRAB
V1896	Cen NGC 5286 V006	13 46 32.88	-51 22 57.2		RRAB
V1897	Cen NGC 5286 V005	13 46 33.30	-51 21 57.6		RRAB
V1898	Cen NGC 5286 V013	13 46 33.36	-51 23 25.8		RRC
V1899	Cen NGC 5286 V018	13 46 33.77	-51 23 07.9		RRAB:
V1900	Cen NGC 5286 V017	13 46 34.58	-51 23 21.0		RRAB
V1901	Cen NGC 5286 V002	13 46 35.01	-51 23 07.1		RRAB
V1902	Cen NGC 5286 V009	13 46 38.65	-51 21 55.5		RRC
V1903	Cen NGC 5286 V003	13 46 54.07	-51 22 59.9		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC		R.A., h m s	Decl., o ' "	2000.0	Type
		E3				
IW	Cha E3		V002	09 20 31.57	-77 18 19.4	EW
IX	Cha E3		V001	09 20 47.68	-77 15 37.4	SXPHE
			NGC 1851			
BV	Col NGC 1851		V026	05 13 55.35	-40 01 11.1	RRC
BW	Col NGC 1851		V025	05 13 55.80	-40 07 32.0	EC
BX	Col NGC 1851		V012	05 13 59.85	-40 03 41.9	RRAB
BY	Col NGC 1851		V006	05 14 00.02	-40 03 04.3	RRAB
BZ	Col NGC 1851		V021	05 14 01.15	-40 01 53.9	RRC
CC	Col NGC 1851		V009	05 14 01.34	-40 02 06.0	SR
CD	Col NGC 1851		V003	05 14 02.46	-40 01 20.7	RRC
CE	Col NGC 1851		V017	05 14 02.92	-40 03 50.4	RRAB
CF	Col NGC 1851		V027	05 14 03.71	-40 03 05.6	RRAB
CG	Col NGC 1851		V032	05 14 04.67	-40 02 16.2	RRAB
CH	Col NGC 1851		V029	05 14 05.54	-40 02 21.1	RRAB
CI	Col NGC 1851		V020	05 14 05.58	-40 03 17.0	RRAB
CK	Col NGC 1851		V013	05 14 06.76	-40 02 07.6	RRC
CL	Col NGC 1851		V007	05 14 07.04	-40 04 43.4	RRAB
CM	Col NGC 1851		V030	05 14 07.56	-40 02 59.4	RRAB
CN	Col NGC 1851		V033	05 14 07.93	-40 03 14.2	RRC
CO	Col NGC 1851		V004	05 14 08.56	-40 02 17.2	RRAB
CP	Col NGC 1851		V031	05 14 08.75	-40 03 08.0	RRC
CQ	Col NGC 1851		V019	05 14 08.79	-40 03 25.3	RRC
CR	Col NGC 1851		V008	05 14 08.93	-40 02 27.2	RRAB
CS	Col NGC 1851		V015	05 14 09.11	-40 02 01.4	RRAB
CT	Col NGC 1851		V054	05 14 09.12	-40 02 54.8	SR:
CU	Col NGC 1851		V055	05 14 09.70	-40 03 14.9	SRB:
CV	Col NGC 1851		V028	05 14 09.75	-40 03 10.7	RRAB
CW	Col NGC 1851		V005	05 14 09.90	-40 02 12.1	RRAB
CX	Col NGC 1851		V018	05 14 09.93	-40 00 13.6	RRC
CY	Col NGC 1851		V010	05 14 10.96	-40 06 09.1	RRAB:
CZ	Col NGC 1851		V016	05 14 12.28	-40 02 52.0	RRAB
DD	Col NGC 1851		V011	05 14 12.65	-40 05 07.8	RRAB
DE	Col NGC 1851		V014	05 14 12.85	-40 02 34.8	RRAB
DF	Col NGC 1851		V023	05 14 16.16	-40 03 47.4	RRC
DG	Col NGC 1851		V022	05 14 17.51	-40 01 00.6	RRAB
DH	Col NGC 1851		V024	05 14 19.35	-40 04 23.8	SR
			NGC 4147			
V0344	Com NGC 4147		V001	12 09 59.37	+18 31 48.1	RRAB
V0345	Com NGC 4147		V010	12 10 03.72	+18 31 48.1	RRC
V0346	Com NGC 4147		V003	12 10 04.45	+18 31 58.5	RRC
V0347	Com NGC 4147		V002	12 10 04.94	+18 32 04.3	RRAB
V0348	Com NGC 4147		V011	12 10 05.51	+18 31 51.5	RRC
V0349	Com NGC 4147		V018	12 10 05.61	+18 32 11.6	SR
V0350	Com NGC 4147		V020	12 10 06.14	+18 32 32.6	SR:
V0351	Com NGC 4147		V013	12 10 06.35	+18 32 13.8	RRC
V0352	Com NGC 4147		V004	12 10 06.37	+18 32 49.8	RRC
V0353	Com NGC 4147		V007	12 10 06.64	+18 32 39.5	RRAB
V0354	Com NGC 4147		V012	12 10 06.68	+18 32 28.1	RRAB
V0355	Com NGC 4147		V014	12 10 06.92	+18 32 32.1	RRC
V0356	Com NGC 4147		V008	12 10 06.93	+18 32 34.5	RRC
V0357	Com NGC 4147		V016	12 10 07.33	+18 32 39.8	RRC
V0358	Com NGC 4147		V006	12 10 08.48	+18 32 59.8	RRAB
V0359	Com NGC 4147		V017	12 10 10.65	+18 34 50.9	RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0360	Com NGC 4147	V019	12 10 21.95	+18 35 01.7	RRC
		NGC 5024			
V0361	Com NGC 5024	V026	13 12 35.75	+18 05 20.2	RRC
V0362	Com NGC 5024	V084	13 12 36.17	+18 07 32.0	SR:
V0363	Com NGC 5024	V005	13 12 39.08	+18 05 42.3	RRAB
V0364	Com NGC 5024	V093	13 12 40.04	+18 08 38.7	SXPHE
V0365	Com NGC 5024	V017	13 12 40.34	+18 11 53.9	RRC
V0366	Com NGC 5024	V027	13 12 41.42	+18 07 23.6	RRAB
V0367	Com NGC 5024	V094	13 12 42.11	+18 07 39.5	SXPHE
V0368	Com NGC 5024	V028	13 12 42.11	+18 16 37.7	RRAB
V0369	Com NGC 5024	V033	13 12 43.86	+18 10 12.9	RRAB
V0370	Com NGC 5024	V004	13 12 43.89	+18 07 26.2	RRC
V0371	Com NGC 5024	V011	13 12 45.39	+18 09 01.9	RRAB
V0372	Com NGC 5024	V050	13 12 45.52	+18 11 28.9	SR
V0373	Com NGC 5024	V034	13 12 45.70	+18 06 26.0	RRC
V0374	Com NGC 5024	V010	13 12 45.72	+18 10 55.4	RRAB
V0375	Com NGC 5024	V016	13 12 46.20	+18 06 39.1	RRC
V0376	Com NGC 5024	V024	13 12 47.29	+18 09 32.3	RRAB
V0377	Com NGC 5024	V032	13 12 47.74	+18 08 35.8	RRC
V0378	Com NGC 5024	V095	13 12 47.95	+18 09 55.0	SXPHE
V0379	Com NGC 5024	V097	13 12 48.28	+18 14 34.4	SXPHE
V0380	Com NGC 5024	V096	13 12 48.30	+18 13 18.6	SXPHE
V0381	Com NGC 5024	V098	13 12 48.67	+18 09 35.8	SXPHE
V0382	Com NGC 5024	V018	13 12 48.68	+18 10 13.1	RRC
V0383	Com NGC 5024	V106	13 12 48.69	+18 10 10.2	SXPHE
V0384	Com NGC 5024	V074	13 12 49.69	+18 07 25.9	SXPHE
V0385	Com NGC 5024	V078	13 12 49.91	+18 08 56.5	SXPHE
V0386	Com NGC 5024	V002	13 12 50.28	+18 07 00.7	RRC
V0387	Com NGC 5024	V047	13 12 50.42	+18 12 24.5	RRC
V0388	Com NGC 5024	V042	13 12 50.56	+18 10 19.9	RRAB
V0389	Com NGC 5024	V085	13 12 50.70	+18 10 39.6	SR:
V0390	Com NGC 5024	V003	13 12 51.38	+18 07 45.3	RRAB
V0391	Com NGC 5024	V044	13 12 51.67	+18 10 00.5	RRC
V0392	Com NGC 5024	V037	13 12 52.28	+18 11 05.3	RRAB
V0393	Com NGC 5024	V064	13 12 52.52	+18 10 12.4	RRC
V0394	Com NGC 5024	V090	13 12 52.75	+18 04 58.1	SXPHE
V0395	Com NGC 5024	V099	13 12 52.94	+18 10 35.8	SXPHE
V0396	Com NGC 5024	V043	13 12 53.09	+18 10 55.4	RRAB
V0397	Com NGC 5024	V100	13 12 53.44	+18 14 45.9	SXPHE
V0398	Com NGC 5024	V109	13 12 53.55	+18 09 55.3	SR
V0399	Com NGC 5024	V091	13 12 53.62	+18 10 13.4	RRC
V0400	Com NGC 5024	V101	13 12 53.67	+18 08 57.6	SXPHE
V0401	Com NGC 5024	V056	13 12 53.70	+18 09 25.9	RRC
V0402	Com NGC 5024	V062	13 12 54.00	+18 10 29.8	RRC
V0403	Com NGC 5024	V054	13 12 54.29	+18 10 31.4	RRC
V0404	Com NGC 5024	V071	13 12 54.39	+18 09 53.9	RRC
V0405	Com NGC 5024	V046	13 12 54.54	+18 10 37.0	RRAB
V0406	Com NGC 5024	V102	13 12 54.79	+18 09 37.5	SXPHE
V0407	Com NGC 5024	V092	13 12 54.91	+18 10 50.2	RRC
V0408	Com NGC 5024	V061	13 12 55.13	+18 10 11.3	RRC
V0409	Com NGC 5024	V045	13 12 55.16	+18 09 27.4	RRAB
V0410	Com NGC 5024	V057	13 12 55.56	+18 09 58.3	RRAB
V0411	Com NGC 5024	V058	13 12 55.60	+18 09 30.9	RRC
V0412	Com NGC 5024	V053	13 12 55.78	+18 10 35.9	RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0413	Com NGC 5024 V040	13 12 55.86	+18 11 54.7		RRC
V0414	Com NGC 5024 V052	13 12 55.92	+18 10 37.0		RRC
V0415	Com NGC 5024 V072	13 12 55.94	+18 09 52.2		RRC
V0416	Com NGC 5024 V063	13 12 56.30	+18 10 00.7		RRC
V0417	Com NGC 5024 V001	13 12 56.34	+18 07 13.8		RRAB
V0418	Com NGC 5024 V107	13 12 56.37	+18 11 05.6		SXPHE:
V0419	Com NGC 5024 V068	13 12 56.57	+18 08 23.1		SRB:
V0420	Com NGC 5024 V059	13 12 56.67	+18 09 20.8		RRC
V0421	Com NGC 5024 V041	13 12 56.76	+18 11 08.4		RRAB
V0422	Com NGC 5024 V060	13 12 57.00	+18 09 36.5		RRAB
V0423	Com NGC 5024 V038	13 12 57.14	+18 07 40.5		RRAB
V0424	Com NGC 5024 V051	13 12 57.59	+18 10 49.5		RRC
V0425	Com NGC 5024 V103	13 12 58.31	+18 08 41.0		SXPHE
V0426	Com NGC 5024 V104	13 12 58.99	+18 10 22.1		SXPHE
V0427	Com NGC 5024 V049	13 12 59.15	+18 14 35.5		SR
V0428	Com NGC 5024 V108	13 12 59.52	+18 11 17.4		SXPHE
V0429	Com NGC 5024 V031	13 12 59.57	+18 10 04.8		RRAB
V0430	Com NGC 5024 V009	13 13 00.08	+18 09 25.1		RRAB
V0431	Com NGC 5024 V030	13 13 00.16	+18 02 03.9		RRAB
V0432	Com NGC 5024 V008	13 13 00.42	+18 11 05.0		RRAB
V0433	Com NGC 5024 V007	13 13 00.86	+18 11 29.9		RRAB
V0434	Com NGC 5024 V067	13 13 01.02	+18 10 09.6		SR
V0435	Com NGC 5024 V066	13 13 01.58	+18 10 03.9		SRB
V0436	Com NGC 5024 V105	13 13 01.93	+18 12 30.3		SXPHE
V0437	Com NGC 5024 V087	13 13 01.93	+18 10 13.0		SXPHE
V0438	Com NGC 5024 V023	13 13 02.34	+18 08 36.0		RRC
V0439	Com NGC 5024 V035	13 13 02.42	+18 12 37.7		RRC
V0440	Com NGC 5024 V036	13 13 03.29	+18 15 10.3		RRC
V0441	Com NGC 5024 V073	13 13 03.34	+18 09 24.9		SXPHE
V0442	Com NGC 5024 V006	13 13 03.90	+18 10 19.9		RRAB
V0443	Com NGC 5024 V029	13 13 04.26	+18 08 47.0		RRAB
V0444	Com NGC 5024 V025	13 13 04.41	+18 10 37.3		RRAB
V0445	Com NGC 5024 V065	13 13 04.67	+18 10 59.4		SRB:
V0446	Com NGC 5024 V076	13 13 04.97	+18 08 35.7		SXPHE
V0447	Com NGC 5024 V019	13 13 07.01	+18 09 26.3		RRC
V0448	Com NGC 5024 V089	13 13 08.16	+18 07 38.3		SXPHE
V0449	Com NGC 5024 V020	13 13 09.07	+18 04 16.4		RRC
V0450	Com NGC 5024 V075	13 13 09.41	+18 09 39.7		SXPHE
V0451	Com NGC 5024 V015	13 13 12.39	+18 13 55.4		RRC
V0452	Com NGC 5024 V048	13 13 14.35	+18 22 04.0		RRC
V0453	Com NGC 5024 V088	13 13 19.01	+18 06 40.1		SXPHE
V0454	Com NGC 5024 V014	13 13 20.54	+18 06 43.1		RRAB
V0455	Com NGC 5024 V077	13 13 20.78	+18 15 35.3		SXPHE
V0456	Com NGC 5024 V012	13 13 23.83	+18 13 16.6		RRAB
V0457	Com NGC 5024 V021	13 13 26.07	+18 09 43.5		RRC
V0458	Com NGC 5024 V013	13 13 28.23	+18 05 13.0		RRAB
V0459	Com NGC 5024 V055	13 13 53.46	+18 10 36.5		RRC
	NGC 5053				
V0460	Com NGC 5053 V001	13 15 59.34	+17 44 27.7		RRAB
V0461	Com NGC 5053 V009	13 16 11.91	+17 48 10.8		RRAB
V0462	Com NGC 5053 V002	13 16 12.38	+17 41 46.8		RRC
V0463	Com NGC 5053 V015	13 16 17.29	+17 40 28.9		SXPHE
V0464	Com NGC 5053 V014	13 16 17.84	+17 40 52.0		SXPHE
V0465	Com NGC 5053 V007	13 16 19.74	+17 44 38.4		RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0466	Com NGC 5053	V013	13 16 23.83	+17 42 01.1	SXPHE
V0467	Com NGC 5053	V012	13 16 25.31	+17 43 48.4	SXPHE
V0468	Com NGC 5053	V004	13 16 28.03	+17 39 56.3	RRAB
V0469	Com NGC 5053	V011	13 16 32.24	+17 42 09.4	SXPHE
V0470	Com NGC 5053	V010	13 16 32.55	+17 42 46.4	RRAB
V0471	Com NGC 5053	V008	13 16 34.05	+17 42 40.1	RRC
V0472	Com NGC 5053	V006	13 16 34.64	+17 43 07.2	RRC
V0473	Com NGC 5053	V003	13 16 35.64	+17 44 15.7	RRAB
V0474	Com NGC 5053	V005	13 16 41.23	+17 38 10.5	RRAB
NGC 6541					
V0818	CrA NGC 6541	V008	18 07 01.36	-44 00 45.3	RRC
V0819	CrA NGC 6541	V006	18 07 19.33	-43 27 47.3	RRAB
V0820	CrA NGC 6541	V005	18 07 46.04	-44 02 25.1	RRAB
V0821	CrA NGC 6541	V020	18 07 53.12	-43 43 04.8	SXPHE
V0822	CrA NGC 6541	V003	18 07 56.31	-43 52 47.6	RRAB
V0823	CrA NGC 6541	V010	18 07 59.68	-43 43 55.5	EW
V0824	CrA NGC 6541	V011	18 08 01.20	-43 42 00.0	EW
V0825	CrA NGC 6541	V014	18 08 01.67	-43 42 52.3	SXPHE
V0826	CrA NGC 6541	V016	18 08 01.68	-43 43 12.0	SXPHE
V0827	CrA NGC 6541	V019	18 08 01.92	-43 42 07.2	SXPHE
V0828	CrA NGC 6541	V021	18 08 02.18	-43 42 52.9	RRAB
V0829	CrA NGC 6541	V018	18 08 03.12	-43 43 12.0	SXPHE
V0830	CrA NGC 6541	V013	18 08 03.18	-43 42 03.3	SXPHE
V0831	CrA NGC 6541	V009	18 08 03.36	-43 42 07.2	EW
V0832	CrA NGC 6541	V022	18 08 03.75	-43 42 34.6	LB
V0833	CrA NGC 6541	V002	18 08 10.68	-43 43 05.1	RRAB
V0834	CrA NGC 6541	V004	18 08 34.80	-43 54 42.7	RRAB
V0835	CrA NGC 6541	V007	18 09 08.46	-43 30 21.0	RRAB
NGC 6934					
V0376	Del NGC 6934	V022	20 33 55.30	+07 21 23.7	RRAB
V0377	Del NGC 6934	V028	20 33 55.57	+07 25 55.8	RRAB
V0378	Del NGC 6934	V027	20 34 01.36	+07 27 38.3	RRAB
V0379	Del NGC 6934	V010	20 34 02.20	+07 25 27.8	RRAB
V0380	Del NGC 6934	V029	20 34 05.67	+07 21 13.5	RRAB
V0381	Del NGC 6934	V017	20 34 06.43	+07 22 29.6	RRAB
V0382	Del NGC 6934	V013	20 34 08.11	+07 24 42.0	RRAB
V0383	Del NGC 6934	V001	20 34 08.36	+07 23 39.0	RRAB
V0384	Del NGC 6934	V044	20 34 08.44	+07 23 47.9	RRAB
V0385	Del NGC 6934	V002	20 34 08.62	+07 24 01.9	RRAB
V0386	Del NGC 6934	V021	20 34 08.93	+07 24 14.5	RRAB
V0387	Del NGC 6934	V023	20 34 09.29	+07 24 00.1	RRC
V0388	Del NGC 6934	V006	20 34 09.46	+07 23 44.4	RRAB
V0389	Del NGC 6934	V020	20 34 09.54	+07 24 33.5	RRAB
V0390	Del NGC 6934	V034	20 34 09.89	+07 24 32.6	RRAB
V0391	Del NGC 6934	V032	20 34 10.61	+07 25 07.8	RRAB
V0392	Del NGC 6934	V040	20 34 10.70	+07 24 44.3	RRAB
V0393	Del NGC 6934	V014	20 34 10.87	+07 22 47.1	RRAB
V0394	Del NGC 6934	V003	20 34 11.35	+07 25 14.5	RRAB
V0395	Del NGC 6934	V039	20 34 11.88	+07 23 59.6	RRAB
V0396	Del NGC 6934	V015	20 34 11.95	+07 23 25.3	SR:
V0397	Del NGC 6934	V036	20 34 12.08	+07 23 41.3	RRAB
V0398	Del NGC 6934	V038	20 34 12.17	+07 23 58.8	RRAB
V0399	Del NGC 6934	V011	20 34 12.44	+07 24 45.8	RRC
V0400	Del NGC 6934	V043	20 34 12.74	+07 24 44.6	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0401	Del NGC 6934 V037	20 34 12.86	+07 24 27.6		RRAB
V0402	Del NGC 6934 V019	20 34 13.22	+07 24 18.4		RRAB
V0403	Del NGC 6934 V012	20 34 13.22	+07 23 34.2		RRAB
V0404	Del NGC 6934 V041	20 34 13.32	+07 23 38.0		RRAB
V0405	Del NGC 6934 V026	20 34 13.43	+07 21 02.3		RRAB
V0406	Del NGC 6934 V016	20 34 13.68	+07 24 35.8		RRAB
V0407	Del NGC 6934 V024	20 34 13.74	+07 23 24.5		RRAB
V0408	Del NGC 6934 V033	20 34 13.76	+07 24 29.4		RRAB
V0409	Del NGC 6934 V004	20 34 13.90	+07 25 14.9		RRAB
V0410	Del NGC 6934 V018	20 34 14.56	+07 24 09.0		CWB:
V0411	Del NGC 6934 V025	20 34 14.64	+07 24 54.2		RRAB
V0412	Del NGC 6934 V042	20 34 14.98	+07 24 38.8		RRAB
V0413	Del NGC 6934 V005	20 34 15.15	+07 27 57.9		RRAB
V0414	Del NGC 6934 V009	20 34 15.55	+07 24 35.7		RRAB
V0415	Del NGC 6934 V007	20 34 17.41	+07 25 15.9		RRAB
V0416	Del NGC 6934 V008	20 34 17.96	+07 25 08.0		RRAB
V0417	Del NGC 6934 V031	20 34 21.11	+07 22 37.3		RRAB
V0418	Del NGC 6934 V035	20 34 21.84	+07 21 55.9		RRAB
V0419	Del NGC 6934 V030	20 34 22.11	+07 26 25.4		RRAB
NGC 7006					
V0420	Del NGC 7006 V055	21 01 12.42	+16 16 13.3		RRAB
V0421	Del NGC 7006 V045	21 01 15.96	+16 09 55.2		RRAB
V0422	Del NGC 7006 V047	21 01 16.41	+16 10 47.8		RRAB
V0423	Del NGC 7006 V001	21 01 16.82	+16 13 06.6		RRAB
V0424	Del NGC 7006 V046	21 01 20.51	+16 10 15.8		RRAB
V0425	Del NGC 7006 V017	21 01 22.29	+16 12 31.4		RRAB
V0426	Del NGC 7006 V048	21 01 22.34	+16 12 43.2		RRAB
V0427	Del NGC 7006 V050	21 01 26.37	+16 11 04.4		RRAB
V0428	Del NGC 7006 V016	21 01 26.47	+16 13 26.7		RRAB
V0429	Del NGC 7006 V002	21 01 26.72	+16 10 34.5		RRAB
V0430	Del NGC 7006 V018	21 01 27.13	+16 09 42.2		RRAB
V0431	Del NGC 7006 V023	21 01 27.29	+16 11 04.0		RRAB
V0432	Del NGC 7006 V024	21 01 27.39	+16 11 08.5		RRAB
V0433	Del NGC 7006 V003	21 01 27.48	+16 11 45.7		RRAB
V0434	Del NGC 7006 V021	21 01 27.72	+16 10 53.4		RRAB
V0435	Del NGC 7006 V020	21 01 27.72	+16 10 47.3		RRAB
V0436	Del NGC 7006 V005	21 01 27.74	+16 11 50.0		RRAB
V0437	Del NGC 7006 V025	21 01 27.84	+16 11 16.8		RRAB
V0438	Del NGC 7006 V028	21 01 28.12	+16 11 17.5		RRAB
V0439	Del NGC 7006 V006	21 01 28.22	+16 10 27.2		RRAB
V0440	Del NGC 7006 V022	21 01 28.30	+16 10 56.0		RRAB
V0441	Del NGC 7006 V027	21 01 28.37	+16 11 11.8		RRAB
V0442	Del NGC 7006 V015	21 01 28.42	+16 13 06.1		RRAB
V0443	Del NGC 7006 V056	21 01 28.43	+16 10 59.5		RRAB
V0444	Del NGC 7006 V026	21 01 28.43	+16 11 08.5		RRAB
V0445	Del NGC 7006 V043	21 01 28.92	+16 10 42.9		RRAB
V0446	Del NGC 7006 V019	21 01 29.17	+16 10 46.3		SR
V0447	Del NGC 7006 V041	21 01 29.31	+16 11 00.4		RRAB
V0448	Del NGC 7006 V052	21 01 29.36	+16 12 38.2		RRAB
V0449	Del NGC 7006 V054	21 01 29.45	+16 10 41.9		LB
V0450	Del NGC 7006 V049	21 01 29.78	+16 11 53.4		RRAB
V0451	Del NGC 7006 V031	21 01 29.88	+16 11 22.8		RRAB
V0452	Del NGC 7006 V039	21 01 29.97	+16 10 46.2		RRAB
V0453	Del NGC 7006 V037	21 01 30.53	+16 11 08.2		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0454	Del NGC 7006 V032	21 01 30.65	+16 11 25.5		RRAB
V0455	Del NGC 7006 V038	21 01 30.66	+16 10 53.1		RRAB
V0456	Del NGC 7006 V036	21 01 30.94	+16 11 07.9		RRC
V0457	Del NGC 7006 V033	21 01 31.39	+16 11 34.1		RRAB
V0458	Del NGC 7006 V008	21 01 31.57	+16 11 25.2		RRAB
V0459	Del NGC 7006 V029	21 01 31.61	+16 11 43.0		RRAB
V0460	Del NGC 7006 V014	21 01 31.65	+16 13 19.6		RRAB
V0461	Del NGC 7006 V035	21 01 31.70	+16 11 09.3		RRAB
V0462	Del NGC 7006 V010	21 01 32.14	+16 10 59.8		RRAB
V0463	Del NGC 7006 V053	21 01 32.56	+16 11 02.9		RRC
V0464	Del NGC 7006 V051	21 01 33.25	+16 11 58.7		RRAB
V0465	Del NGC 7006 V013	21 01 36.30	+16 11 51.3		RRAB
V0466	Del NGC 7006 V012	21 01 37.62	+16 10 07.6		RRAB
V0467	Del NGC 7006 V044	21 01 38.88	+16 08 17.6		RRAB
V0468	Del NGC 7006 V011	21 01 39.51	+16 12 02.0		RRAB
NGC 6205					
V1543	Her NGC 6205 V057	16 41 21.39	+36 28 18.2		EW
V1544	Her NGC 6205 V032	16 41 23.04	+36 28 05.4		SR
V1545	Her NGC 6205 V020	16 41 23.53	+36 30 17.3		SR:
V1546	Her NGC 6205 V018	16 41 24.08	+36 25 39.8		LB
V1547	Her NGC 6205 V043	16 41 27.09	+36 28 00.4		LB
V1548	Her NGC 6205 V019	16 41 32.00	+36 28 30.0		SR
V1549	Her NGC 6205 V050	16 41 32.47	+36 28 51.9		SXPHE
V1550	Her NGC 6205 V008	16 41 32.66	+36 28 02.2		RRAB
V1551	Her NGC 6205 V059	16 41 33.92	+36 30 05.7		LB
V1552	Her NGC 6205 V042	16 41 35.51	+36 27 27.4		SR
V1553	Her NGC 6205 V002	16 41 35.90	+36 27 48.5		CWB
V1554	Her NGC 6205 V011	16 41 36.63	+36 26 35.5		SR
V1555	Her NGC 6205 V007	16 41 37.13	+36 26 28.9		RRC
V1556	Her NGC 6205 V038	16 41 38.69	+36 25 37.9		SR
V1557	Her NGC 6205 V047	16 41 38.79	+36 26 21.1		SXPHE
V1558	Her NGC 6205 V044	16 41 39.18	+36 27 22.1		LB
V1559	Her NGC 6205 V058	16 41 40.70	+36 27 16.4		LB
V1560	Her NGC 6205 V045	16 41 41.12	+36 27 22.9		LB
V1561	Her NGC 6205 V046	16 41 41.37	+36 27 05.0		SXPHE
V1562	Her NGC 6205 V035	16 41 41.47	+36 27 47.5		RRC
V1563	Her NGC 6205 V024	16 41 41.95	+36 26 51.7		SR
V1564	Her NGC 6205 V052	16 41 42.46	+36 28 08.1		UG
V1565	Her NGC 6205 V037	16 41 42.46	+36 28 21.9		SXPHE
V1566	Her NGC 6205 V039	16 41 42.55	+36 26 56.2		SR
V1567	Her NGC 6205 V025	16 41 42.71	+36 27 31.1		RRC
V1568	Her NGC 6205 V048	16 41 42.89	+36 27 00.3		EW
V1569	Her NGC 6205 V049	16 41 42.96	+36 27 27.3		EA:
V1570	Her NGC 6205 V036	16 41 43.49	+36 26 26.2		RRC
V1571	Her NGC 6205 V060	16 41 44.56	+36 27 52.8		*
V1572	Her NGC 6205 V056	16 41 45.64	+36 26 55.0		SXPHE
V1573	Her NGC 6205 V041	16 41 45.70	+36 27 57.6		ELL:
V1574	Her NGC 6205 V009	16 41 46.27	+36 27 38.0		RRC
V1575	Her NGC 6205 V031	16 41 46.29	+36 28 55.5		RRC
V1576	Her NGC 6205 V005	16 41 46.37	+36 27 40.0		RRC
V1577	Her NGC 6205 V001	16 41 46.48	+36 27 27.8		CWB
V1578	Her NGC 6205 V015	16 41 47.02	+36 25 57.5		SR
V1579	Her NGC 6205 V006	16 41 47.98	+36 29 09.8		CWB
V1580	Her NGC 6205 V055	16 41 48.48	+36 26 13.8		SXPHE

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1581	Her NGC 6205 V034	16 41 49.09	+36 27 07.8	RRC	
V1582	Her NGC 6205 V040	16 41 49.69	+36 27 48.8	SR	
V1583	Her NGC 6205 V033	16 41 50.30	+36 24 15.5	SR	
V1584	Her NGC 6205 V017	16 41 50.92	+36 28 54.4	SR	
V1585	Her NGC 6205 V054	16 42 07.66	+36 29 36.7	RRC	
NGC 6229					
V1586	Her NGC 6229 V059	16 46 34.04	+47 32 25.9	RRC	
V1587	Her NGC 6229 V003	16 46 39.38	+47 32 19.2	RRAB	
V1588	Her NGC 6229 V017	16 46 49.25	+47 30 23.4	RRC	
V1589	Her NGC 6229 V002	16 46 51.62	+47 31 43.5	RRAB	
V1590	Her NGC 6229 V068	16 46 52.57	+47 33 23.0	SXPHE	
V1591	Her NGC 6229 V004	16 46 53.12	+47 31 24.3	RRAB	
V1592	Her NGC 6229 V046	16 46 53.97	+47 31 24.8	RRAB	
V1593	Her NGC 6229 V070	16 46 54.22	+47 33 37.1	SR:	
V1594	Her NGC 6229 V007	16 46 54.60	+47 30 48.9	RRAB	
V1595	Her NGC 6229 V049	16 46 54.75	+47 32 36.5	RRAB	
V1596	Her NGC 6229 V009	16 46 54.85	+47 32 17.0	RRAB	
V1597	Her NGC 6229 V018	16 46 55.13	+47 32 10.9	RRAB	
V1598	Her NGC 6229 V060	16 46 55.27	+47 31 31.0	RRC	
V1599	Her NGC 6229 V010	16 46 55.76	+47 32 51.4	RRAB	
V1600	Her NGC 6229 V064	16 46 55.87	+47 31 59.9	SR:	
V1601	Her NGC 6229 V020	16 46 56.03	+47 31 02.8	RRAB	
V1602	Her NGC 6229 V001	16 46 56.34	+47 29 53.4	RRAB	
V1603	Her NGC 6229 V036	16 46 56.51	+47 32 02.9	RRC	
V1604	Her NGC 6229 V061	16 46 56.59	+47 31 41.6	RRC	
V1605	Her NGC 6229 V023	16 46 56.72	+47 32 35.9	RRC	
V1606	Her NGC 6229 V050	16 46 56.76	+47 31 44.0	RRAB	
V1607	Her NGC 6229 V043	16 46 56.98	+47 32 01.8	RRAB	
V1608	Her NGC 6229 V038	16 46 57.09	+47 31 11.4	RRAB	
V1609	Her NGC 6229 V051	16 46 57.21	+47 31 27.5	RRAB	
V1610	Her NGC 6229 V014	16 46 57.22	+47 30 48.2	RRAB	
V1611	Her NGC 6229 V024	16 46 57.45	+47 30 40.5	RRC	
V1612	Her NGC 6229 V052	16 46 58.00	+47 32 02.3	RRAB	
V1613	Her NGC 6229 V065	16 46 58.10	+47 31 20.5	SR:	
V1614	Her NGC 6229 V033	16 46 58.24	+47 32 01.1	RRAB	
V1615	Her NGC 6229 V008	16 46 58.33	+47 30 56.9	CWA	
V1616	Her NGC 6229 V032	16 46 58.34	+47 31 17.7	RRAB	
V1617	Her NGC 6229 V071	16 46 58.58	+47 31 36.7	SR:	
V1618	Her NGC 6229 V053	16 46 58.62	+47 33 41.4	RRAB	
V1619	Her NGC 6229 V030	16 46 58.65	+47 31 23.4	RRAB	
V1620	Her NGC 6229 V037	16 46 58.87	+47 32 11.9	RRAB	
V1621	Her NGC 6229 V022	16 46 58.96	+47 31 27.9	CWA	
V1622	Her NGC 6229 V066	16 46 59.00	+47 31 58.2	SR:	
V1623	Her NGC 6229 V054	16 46 59.17	+47 31 50.4	RRAB	
V1624	Her NGC 6229 V045	16 46 59.19	+47 30 22.2	RRAB	
V1625	Her NGC 6229 V031	16 46 59.31	+47 31 19.1	RRAB	
V1626	Her NGC 6229 V055	16 46 59.50	+47 31 18.0	RRAB	
V1627	Her NGC 6229 V062	16 46 59.51	+47 32 02.3	RRC	
V1628	Her NGC 6229 V056	16 46 59.70	+47 31 52.7	RRAB	
V1629	Her NGC 6229 V027	16 46 59.85	+47 31 46.1	CWB:	
V1630	Her NGC 6229 V005	16 47 00.11	+47 32 22.9	RRAB	
V1631	Her NGC 6229 V057	16 47 00.25	+47 31 31.0	RRAB	
V1632	Her NGC 6229 V058	16 47 00.34	+47 32 14.6	RRAB	
V1633	Her NGC 6229 V063	16 47 00.39	+47 31 27.4	RRC	

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1634	Her NGC 6229 V029	16 47 00.40	+47 31 41.5		RRAB
V1635	Her NGC 6229 V044	16 47 00.57	+47 30 51.6		RRC
V1636	Her NGC 6229 V067	16 47 00.82	+47 31 41.2		CWB
V1637	Her NGC 6229 V073	16 47 00.84	+47 31 43.5		CW:
V1638	Her NGC 6229 V011	16 47 01.08	+47 31 14.1		RRAB
V1639	Her NGC 6229 V042	16 47 01.30	+47 32 00.9		RRAB
V1640	Her NGC 6229 V034	16 47 01.43	+47 31 44.6		RRAB
V1641	Her NGC 6229 V048	16 47 01.46	+47 31 20.0		RRC
V1642	Her NGC 6229 V035	16 47 01.53	+47 31 57.1		RRAB
V1643	Her NGC 6229 V015	16 47 02.07	+47 32 06.7		RRC
V1644	Her NGC 6229 V012	16 47 02.11	+47 31 15.4		RRAB
V1645	Her NGC 6229 V040	16 47 02.31	+47 31 58.8		RRAB
V1646	Her NGC 6229 V041	16 47 02.77	+47 31 30.4		RRAB
V1647	Her NGC 6229 V072	16 47 02.81	+47 30 21.2		SR:
V1648	Her NGC 6229 V006	16 47 03.04	+47 32 20.6		RRAB
V1649	Her NGC 6229 V039	16 47 03.05	+47 31 08.1		RRC
V1650	Her NGC 6229 V016	16 47 03.36	+47 31 15.0		RRC
V1651	Her NGC 6229 V047	16 47 03.38	+47 31 26.6		RRC
V1652	Her NGC 6229 V019	16 47 03.99	+47 30 55.0		RRAB
V1653	Her NGC 6229 V021	16 47 10.31	+47 30 38.0		RRAB
V1654	Her NGC 6229 V013	16 47 12.51	+47 32 40.9		RRAB
NGC 6341					
V1655	Her NGC 6341 V004	17 17 00.37	+43 09 08.9		RRAB
V1656	Her NGC 6341 V033	17 17 03.88	+43 08 13.7		SXPHE
V1657	Her NGC 6341 V032	17 17 04.61	+43 08 42.0		RRC
V1658	Her NGC 6341 V031	17 17 06.78	+43 08 27.2		RRC
V1659	Her NGC 6341 V007	17 17 07.61	+43 07 21.4		BLBOO
V1660	Her NGC 6341 V029	17 17 07.95	+43 08 02.6		RRAB
V1661	Her NGC 6341 V009	17 17 09.10	+43 07 24.0		RRAB
V1662	Her NGC 6341 V025	17 17 09.73	+43 08 03.3		RRAB
V1663	Her NGC 6341 V034	17 17 09.91	+43 07 42.9		SXPHE
V1664	Her NGC 6341 V012	17 17 10.24	+43 06 34.6		RRC
V1665	Her NGC 6341 V006	17 17 10.89	+43 08 55.7		RRAB
V1666	Her NGC 6341 V003	17 17 12.00	+43 12 25.3		RRAB
V1667	Her NGC 6341 V011	17 17 13.98	+43 07 05.7		RRC
V1668	Her NGC 6341 V005	17 17 14.90	+43 07 19.3		RRAB
V1669	Her NGC 6341 V010	17 17 14.93	+43 08 49.4		RRC
V1670	Her NGC 6341 V002	17 17 15.64	+43 09 22.3		RRAB
V1671	Her NGC 6341 V001	17 17 18.99	+43 08 54.9		RRAB
V1672	Her NGC 6341 V013	17 17 21.47	+43 07 13.8		RRC
V1673	Her NGC 6341 V008	17 17 26.24	+43 11 42.6		RRAB
NGC 1261					
AR	Hor NGC 1261 V007	03 11 58.43	-55 10 37.3		RRC
AS	Hor NGC 1261 V008	03 12 00.44	-55 15 16.5		RRAB
AT	Hor NGC 1261 V015	03 12 02.51	-55 10 48.1		SR
AU	Hor NGC 1261 V011	03 12 05.50	-55 11 27.8		RRAB
AV	Hor NGC 1261 V013	03 12 06.99	-55 14 33.4		RRC
AW	Hor NGC 1261 V014	03 12 09.77	-55 14 07.6		RRAB
AX	Hor NGC 1261 V002	03 12 11.29	-55 12 22.1		RRAB
AY	Hor NGC 1261 V005	03 12 11.99	-55 13 02.0		RRAB
AZ	Hor NGC 1261 V029	03 12 13.05	-55 13 20.2		RRAB
BB	Hor NGC 1261 V028	03 12 13.53	-55 13 00.3		RRC
BC	Hor NGC 1261 V016	03 12 13.91	-55 13 12.4		RRAB
BD	Hor NGC 1261 V024	03 12 14.44	-55 13 34.6		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
BE	Hor NGC 1261 V021	03 12 14.46	-55 12 31.4	RRC	
BF	Hor NGC 1261 V027	03 12 14.63	-55 13 06.2	RRC	
BG	Hor NGC 1261 V017	03 12 15.50	-55 12 36.9	RRAB	
BH	Hor NGC 1261 V023	03 12 15.71	-55 12 40.6	LB:	
BI	Hor NGC 1261 V022	03 12 16.48	-55 13 37.9	RRC	
BK	Hor NGC 1261 V030	03 12 16.58	-55 12 53.6	SXPHE	
BL	Hor NGC 1261 V026	03 12 17.04	-55 12 43.6	SXPHE	
BM	Hor NGC 1261 V019	03 12 18.23	-55 12 44.6	RRAB	
BN	Hor NGC 1261 V004	03 12 18.58	-55 13 28.5	RRAB	
BO	Hor NGC 1261 V031	03 12 18.70	-55 14 16.0	EW:	
BP	Hor NGC 1261 V020	03 12 19.36	-55 13 00.1	RRAB	
BQ	Hor NGC 1261 V009	03 12 20.49	-55 13 35.6	RRC	
BR	Hor NGC 1261 V003	03 12 21.81	-55 13 51.7	RRAB	
BS	Hor NGC 1261 V010	03 12 22.01	-55 11 45.8	RRAB	
BT	Hor NGC 1261 V006	03 12 25.08	-55 13 08.5	RRAB	
BU	Hor NGC 1261 V012	03 12 26.16	-55 12 45.7	RRAB	
NGC 4590					
V0679	Hya NGC 4590 V001	12 39 06.87	-26 42 53.3	RRC	
V0680	Hya NGC 4590 V002	12 39 15.30	-26 45 24.5	RRAB	
V0681	Hya NGC 4590 V003	12 39 17.35	-26 43 09.9	RR(B)	
V0682	Hya NGC 4590 V004	12 39 19.07	-26 46 51.3	RR(B)	
V0683	Hya NGC 4590 V031	12 39 19.67	-26 43 05.3	RR(B)	
V0684	Hya NGC 4590 V006	12 39 23.79	-26 44 23.5	RRC	
V0685	Hya NGC 4590 V005	12 39 23.84	-26 41 52.0	RRC	
V0686	Hya NGC 4590 V007	12 39 24.04	-26 45 57.8	RR(B)	
V0687	Hya NGC 4590 V046	12 39 24.85	-26 44 43.5	RRAB	
V0688	Hya NGC 4590 V036	12 39 24.92	-26 45 32.1	RR(B)	
V0689	Hya NGC 4590 V008	12 39 25.19	-26 46 52.7	RR(B)	
V0690	Hya NGC 4590 V035	12 39 25.21	-26 45 32.5	RRAB	
V0691	Hya NGC 4590 V009	12 39 25.57	-26 44 00.8	RRAB	
V0692	Hya NGC 4590 V010	12 39 25.97	-26 44 54.7	RRAB	
V0693	Hya NGC 4590 V038	12 39 26.12	-26 45 08.2	RRC	
V0694	Hya NGC 4590 V037	12 39 26.21	-26 44 21.0	RRC	
V0695	Hya NGC 4590 V011	12 39 26.58	-26 46 32.7	RRC	
V0696	Hya NGC 4590 V012	12 39 26.93	-26 44 39.7	RRAB	
V0697	Hya NGC 4590 V013	12 39 27.50	-26 45 36.0	RRC	
V0698	Hya NGC 4590 V014	12 39 27.55	-26 41 04.0	RRAB	
V0699	Hya NGC 4590 V015	12 39 28.51	-26 43 40.6	RRC	
V0700	Hya NGC 4590 V016	12 39 28.55	-26 43 22.0	RRC	
V0701	Hya NGC 4590 V047	12 39 28.84	-26 44 20.0	RRC	
V0702	Hya NGC 4590 V051	12 39 28.99	-26 44 48.4	SXPHE	
V0703	Hya NGC 4590 V017	12 39 29.04	-26 45 52.5	RRAB	
V0704	Hya NGC 4590 V043	12 39 29.08	-26 45 43.9	RRC	
V0705	Hya NGC 4590 V018	12 39 29.14	-26 46 15.1	RRC	
V0706	Hya NGC 4590 V044	12 39 29.48	-26 44 38.0	RRC	
V0707	Hya NGC 4590 V049	12 39 29.52	-26 44 09.3	SXPHE	
V0708	Hya NGC 4590 V045	12 39 30.00	-26 44 49.2	RRC	
V0709	Hya NGC 4590 V019	12 39 30.16	-26 43 30.4	RR(B)	
V0710	Hya NGC 4590 V020	12 39 30.27	-26 46 33.0	RRC	
V0711	Hya NGC 4590 V052	12 39 30.59	-26 44 30.1	SXPHE	
V0712	Hya NGC 4590 V021	12 39 31.22	-26 44 32.0	RR(B)	
V0713	Hya NGC 4590 V050	12 39 32.13	-26 45 10.5	SXPHE	
V0714	Hya NGC 4590 V022	12 39 32.31	-26 45 01.8	RRAB	
V0715	Hya NGC 4590 V023	12 39 32.41	-26 38 22.7	RRAB	

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0716	Hya NGC 4590 V024	12 39 33.16	-26 44 46.8	RRC	
V0717	Hya NGC 4590 V033	12 39 34.41	-26 43 40.4	RRC	
V0718	Hya NGC 4590 V030	12 39 36.09	-26 45 55.7	RRAB	
V0719	Hya NGC 4590 V025	12 39 38.16	-26 42 37.0	RRAB	
V0720	Hya NGC 4590 V048	12 39 38.30	-26 46 12.4	SXPHE	
V0721	Hya NGC 4590 V026	12 39 39.48	-26 45 22.9	RR(B)	
V0722	Hya NGC 4590 V034	12 39 47.57	-26 41 03.0	RR(B)	
V0723	Hya NGC 4590 V029	12 39 48.94	-26 47 09.9	RRAB	
V0724	Hya NGC 4590 V028	12 40 00.32	-26 41 59.6	RRAB	
NGC 5694					
V0725	Hya NGC 5694 V012	14 39 32.47	-26 33 10.0	SR:	
V0726	Hya NGC 5694 V011	14 39 33.00	-26 32 28.0	CWB	
V0727	Hya NGC 5694 V010	14 39 35.31	-26 31 57.3	LB:	
V0728	Hya NGC 5694 V009	14 39 35.59	-26 32 34.3	LB:	
V0729	Hya NGC 5694 V008	14 39 35.66	-26 32 17.3	LB:	
V0730	Hya NGC 5694 V007	14 39 35.88	-26 31 49.5	LB	
V0731	Hya NGC 5694 V006	14 39 36.10	-26 32 30.7	LB:	
V0732	Hya NGC 5694 V004	14 39 36.81	-26 32 16.4	RRC	
V0733	Hya NGC 5694 V005	14 39 36.84	-26 31 51.0	RRC:	
V0734	Hya NGC 5694 V014	14 39 37.06	-26 32 26.1	LB:	
V0735	Hya NGC 5694 V003	14 39 37.09	-26 31 54.6	SR:	
V0736	Hya NGC 5694 V002	14 39 37.10	-26 32 16.7	SR:	
V0737	Hya NGC 5694 V001	14 39 38.70	-26 32 19.3	SR:	
NGC 1904					
BT	Lep NGC 1904 V020	05 23 20.21	-24 28 03.4	SRB	
BU	Lep NGC 1904 V015	05 23 23.76	-24 27 46.5	RRC	
BV	Lep NGC 1904 V024	05 23 47.33	-24 30 37.6	SRB	
BW	Lep NGC 1904 V030	05 24 00.02	-24 38 37.7	SXPHE:	
BX	Lep NGC 1904 V006	05 24 06.03	-24 29 33.0	RRC	
BY	Lep NGC 1904 V014	05 24 07.77	-24 31 00.5	RRAB	
BZ	Lep NGC 1904 V027	05 24 09.13	-24 34 16.1	SRB	
CC	Lep NGC 1904 V022	05 24 09.57	-24 29 51.4	SRB	
CD	Lep NGC 1904 V023	05 24 09.61	-24 30 26.6	SRB	
CE	Lep NGC 1904 V016	05 24 09.96	-24 31 07.6	SXPHE	
CF	Lep NGC 1904 V005	05 24 10.23	-24 31 03.8	RRAB	
CG	Lep NGC 1904 V013	05 24 10.59	-24 31 11.5	RRAB	
CH	Lep NGC 1904 V018	05 24 10.84	-24 31 11.5	SXPHE	
CI	Lep NGC 1904 V034	05 24 10.86	-24 13 40.2	LB	
CK	Lep NGC 1904 V012	05 24 11.40	-24 31 28.4	RRC	
CL	Lep NGC 1904 V008	05 24 11.55	-24 31 38.4	SRD	
CM	Lep NGC 1904 V011	05 24 11.94	-24 31 34.6	RRAB	
CN	Lep NGC 1904 V010	05 24 12.14	-24 31 34.3	RRAB	
CO	Lep NGC 1904 V009	05 24 12.58	-24 31 52.8	RRC	
CP	Lep NGC 1904 V007	05 24 12.69	-24 31 42.1	CWA	
CQ	Lep NGC 1904 V003	05 24 13.55	-24 32 29.3	RRAB	
CR	Lep NGC 1904 V017	05 24 14.15	-24 33 21.0	SXPHE	
CS	Lep NGC 1904 V002	05 24 16.75	-24 32 34.4	SRB	
CT	Lep NGC 1904 V004	05 24 17.77	-24 32 16.4	RRAB	
CU	Lep NGC 1904 V028	05 24 18.05	-24 30 14.9	SRB	
CV	Lep NGC 1904 V026	05 24 18.48	-24 31 43.4	SRB	
CW	Lep NGC 1904 V029	05 24 21.94	-24 39 04.0	SXPHE	
CX	Lep NGC 1904 V033	05 24 31.03	-24 21 38.6	SR	
CY	Lep NGC 1904 V025	05 24 40.49	-24 29 00.2	SRB	
CZ	Lep NGC 1904 V031	05 24 57.57	-24 43 18.0	EW	

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
NGC 5897					
V0380	Lib NGC 5897	V005	15 17 14.76	-20 56 57.8	SR
V0381	Lib NGC 5897	V001	15 17 16.62	-21 03 59.8	RRAB
V0382	Lib NGC 5897	V010	15 17 19.75	-21 00 26.0	RRC
V0383	Lib NGC 5897	V002	15 17 20.23	-21 02 13.6	RRC
V0384	Lib NGC 5897	V009	15 17 20.41	-21 02 38.8	SXPHE
V0385	Lib NGC 5897	V003	15 17 21.46	-21 00 41.4	RRC
V0386	Lib NGC 5897	V013	15 17 24.47	-20 59 12.5	RRC
V0387	Lib NGC 5897	V006	15 17 25.46	-20 59 37.6	RRAB
V0388	Lib NGC 5897	V011	15 17 25.69	-20 59 46.8	RRC
V0389	Lib NGC 5897	V007	15 17 26.45	-21 00 00.8	RRC
V0390	Lib NGC 5897	V008	15 17 28.42	-20 58 33.3	RRC
V0391	Lib NGC 5897	V012	15 17 29.19	-21 03 11.5	RRC
V0392	Lib NGC 5897	V004	15 17 29.30	-21 00 14.8	RRAB
NGC 5824					
V0411	Lup NGC 5824	V025	15 03 32.37	-33 04 08.0	RRC
V0412	Lup NGC 5824	V023	15 03 49.58	-33 08 11.9	RRAB
V0413	Lup NGC 5824	V001	15 03 52.71	-33 03 35.5	RRAB
V0414	Lup NGC 5824	V012	15 03 52.88	-33 04 50.1	RRAB
V0415	Lup NGC 5824	V020	15 03 53.33	-33 04 30.4	RR:
V0416	Lup NGC 5824	V007	15 03 55.95	-33 05 17.8	RR
V0417	Lup NGC 5824	V019	15 03 56.40	-33 04 49.1	RRAB
V0418	Lup NGC 5824	V005	15 03 57.53	-33 02 20.8	RRAB
V0419	Lup NGC 5824	V008	15 03 58.08	-33 15 18.1	RR
V0420	Lup NGC 5824	V002	15 03 59.20	-33 02 15.3	RRAB
V0421	Lup NGC 5824	V014	15 04 00.17	-33 03 17.5	RRC
V0422	Lup NGC 5824	V013	15 04 00.20	-33 05 49.6	RRC:
V0423	Lup NGC 5824	V016	15 04 00.35	-33 05 01.9	RR
V0424	Lup NGC 5824	V017	15 04 01.56	-33 05 34.9	RRC
V0425	Lup NGC 5824	V021	15 04 02.22	-33 02 56.4	RR
V0426	Lup NGC 5824	V022	15 04 02.64	-33 04 19.4	RRAB
V0427	Lup NGC 5824	V009	15 04 04.82	-33 02 53.7	RRAB:
V0428	Lup NGC 5824	V015	15 04 05.27	-33 04 59.9	RR
V0429	Lup NGC 5824	V006	15 04 06.73	-33 04 36.7	RRC
V0430	Lup NGC 5824	V024	15 04 07.00	-33 09 07.5	RRC:
V0431	Lup NGC 5824	V003	15 04 08.41	-33 03 32.6	RRAB
V0432	Lup NGC 5824	V018	15 04 09.17	-33 04 07.7	RRAB
V0433	Lup NGC 5824	V010	15 04 11.25	-33 05 53.7	RRAB
V0434	Lup NGC 5824	V004	15 04 13.46	-33 02 49.3	RRC:
V0435	Lup NGC 5824	V027	15 04 24.57	-33 04 20.4	RRC:
V0436	Lup NGC 5824	V026	15 04 29.60	-32 57 53.6	RRAB
NGC 5927					
V0437	Lup NGC 5927	V011	15 27 44.92	-50 42 10.8	SRB:
V0438	Lup NGC 5927	V002	15 27 56.16	-50 40 34.5	LB
V0439	Lup NGC 5927	V005	15 27 56.57	-50 39 00.5	SRB:
V0440	Lup NGC 5927	V006	15 27 57.13	-50 38 48.3	SRB:
V0441	Lup NGC 5927	V003	15 28 00.13	-50 40 24.6	M:
V0442	Lup NGC 5927	V009	15 28 01.73	-50 42 27.1	SRB
V0443	Lup NGC 5927	V007	15 28 02.82	-50 40 47.7	SRB
V0444	Lup NGC 5927	V010	15 28 04.70	-50 39 55.4	LB
V0445	Lup NGC 5927	V008	15 28 05.39	-50 38 50.1	SRB
V0446	Lup NGC 5927	V004	15 28 06.97	-50 41 22.1	SRB
V0447	Lup NGC 5927	V001	15 28 15.17	-50 38 09.3	LB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., Decl., 2000.0 h m s o ' "	Type
NGC 5897			
V0448 Lup	NGC 5986 V008	15 45 54.54 -37 45 10.1	RRAB
V0449 Lup	NGC 5986 V004	15 45 56.05 -37 46 58.5	SRB
V0450 Lup	NGC 5986 V013	15 46 00.25 -37 48 23.2	CWA
V0451 Lup	NGC 5986 V002	15 46 02.50 -37 47 16.0	RRAB
V0452 Lup	NGC 5986 V011	15 46 04.28 -37 47 05.4	RRAB
V0453 Lup	NGC 5986 V003	15 46 04.78 -37 45 22.4	RRAB
V0454 Lup	NGC 5986 V006	15 46 05.70 -37 47 36.0	RRAB
V0455 Lup	NGC 5986 V009	15 46 05.90 -37 47 33.4	RRAB
V0456 Lup	NGC 5986 V001	15 46 08.24 -37 47 20.8	RRAB
V0457 Lup	NGC 5986 V007	15 46 10.85 -37 45 29.1	RRC
V0458 Lup	NGC 5986 V012	15 46 12.95 -37 46 04.4	RRC

Remark to V1571 Her (V060 in NGC 6205 = M13, type “*”). Between the horizontal branch and subgiant branch in the C-M diagram. Slow variations and a small-amplitude (0^m03) periodic variation, maybe related to the star’s binary nature.

Table 2. Recent Novae

GCVS	Nova	Coordinates, J2000
V2029 Aql	N Aql 2020 No. 2	19 ^h 14 ^m 26 ^s .30 +14°44′40″.2
V3731 Oph	N Oph 2019 [No. 2]	17 38 34.83 -25 19 04.8
V6593 Sgr	N Sgr 2020 No. 4	17 55 00.00 -21 22 40.1
V1709 Sco	N Sco 2020 [No. 2]	17 12 00.18 -40 17 56.7