THE 82ND NAME-LIST OF VARIABLE STARS. PART I –
RA 0$^{\mathrm{h}}$ TO 18$^{\mathrm{h}}$, NOVAE AND GLOBULAR-CLUSTER VARIABLES

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Abstract

We present the first part of a new Name-List of variable stars containing information on 1291 variable stars recently designated in the system of the General Catalogue of Variable Stars. With the exception of Novae and other unusual variables named upon request from the IAU CBAT or by our initiative, these stars are in the range of J2000.0 right ascensions from 0 hours to 18 hours 00 minutes. The paper also announces GCVS designations for 324 known variables in 10 globular clusters.

This publication, Part I of the 82nd Name-List of Variable Stars, contains information on 1291 stars newly named in the system of the General Catalogue of Variable Stars (GCVS; Samus et al., 2017), 34 of them being extraordinary namings for Novae.

Like in the recent Name-Lists, NL 80 and NL 81, we separate the catalogue of newly designated variables (to be presented at the GCVS web site) from the Name-List proper. Table 1 of the current Name-List contains the new GCVS name, equatorial coordinates (rounded to an accuracy sufficient for identification), and variability type for each star. The order of stars in Table 1 corresponds to the order of stars in the GCVS. The electronic version of the Name-List at http://www.sai.msu.su/gcvs/gcvs/nl82, to be presented in the nearest future, will additionally contain variability 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). The majority of variable stars in NL 82 are included into the Name-List with coordinates from Gaia DR2 (Gaia Collaboration, 2018).

We continued naming Novae and variables of special interest upon requests from the IAU Bureau of Astronomical Telegrams and in other extraordinary cases requiring quick naming. Part I of the 82th Name-List contains 34 Novae with names announced in Kazarovets and Samus (2017, 2018). They are included in Table 1 and, besides, listed in Table 2 that contains, along with GCVS names, preliminary designations of these stars. During the preparations of the Name-list, we also identified 18 unnamed Novae and a probable FU Ori star in overlooked publications. We give them their GCVS names in the

normal order. A list of these stars is presented in Table 3; besides, they are included in Table 1.

The Name-list also contains (Table 4) the first part of the list of variable stars in globular clusters we select for adding to the GCVS. For reasons of tradition, globular-cluster members were usually left outside the General Catalogue, despite the fact that many globular clusters are, beyond doubt, members of our Galaxy and that variable stars in open clusters are being regularly named in the system of the GCVS. During the long history, quite a number of variable stars, members of globular clusters, found their way to the GCVS, but the vast majority of them were listed only in special catalogues. Including globular-cluster variable stars into the GCVS was made difficult, among other reasons, by the fact that most lists of such stars contained only their rectangular coordinates with respect to the (sometimes not clearly defined) center of each globular cluster. Samus et al. (2009) compiled a catalogue of accurate equatorial coordinates for 3398 variable stars in 103 globular clusters. After that, equatorial coordinates were introduced into the electronic version of the Catalogue of variable stars in globular clusters (Clement et al., 2001).

The existing catalogues of variable stars in globular clusters contain, besides well-studied variables, also stars that, in the GCVS tradition, would be considered "suspected variable stars". They also seriously differ from the GCVS in their format.

For the present Name-list, we selected 10 globular clusters in four constellations (Apus, Ara, Aquila, Aquarius). The electronic catalogue of variable stars in globular clusters (http://www.astro.utoronto.ca/∼cclement/cat/listngc.html) contains 406 stars in these clusters. We now add 324 of them to the GCVS. For these stars, we revised, once again, their equatorial coordinates: in a number of cases, Gaia-DR2 identifications were possible. Then, we studied available publications and provided classification in the GCVS style. For some periodic stars, it was possible to improve their light elements using the available electronic databases of photometric observations. The work aimed at incorporating globular-cluster variable stars satisfying our criteria into the GCVS will be continued.

The total number of named variable stars, not counting designated non-existing stars or stars subsequently identified with earlier-named variables, is now 53 468.

References:

Clement, C.M., Muzzin, A., Dufton, Q., et al. 2001, *AJ*, **122**, 2587 DOI
Gaia Collaboration: Brown, A.G.A., Vallenari, A., Prusti, T., et al. 2018, *A&A*, **616**, A1 DOI
Kazarovets, E.V., Samus, N.N., 2017, *Perem. Zvezdy/Variable Stars*, **37**, No. 4
Kazarovets, E.V., Samus, N.N., 2018, *Perem. Zvezdy/Variable Stars*, **38**, No. 5
Samus, N.N., Kazarovets, E.V., Durlevich, O.V., Kireeva, N.N., Pastukhova, E.N. 2017, *Astronomy Reports*, **61**, 80 DOI
Samus, N.N., Kazarovets, E.V., Pastukhova, E.N., Tsvetkova, T.M., Durlevich, O.V. 2009, *PASP*, **121**, 1378 DOI

Table 1

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V0782 And	00 01 28.3 +39 15 53	EA	V0831 Aur	05 05 07.9 +42 42 28	EA
V0783 And	00 02 05.3 +38 13 23	EW	V0832 Aur	05 06 17.4 +35 47 38	UGSU
V0784 And	00 20 37.9 +31 29 06	RR(B)	V0833 Aur	05 08 33.0 +34 04 43	EB
V0785 And	00 26 30.0 +42 12 32	EW	V0834 Aur	05 10 36.8 +33 30 33	EW:
V0786 And	00 26 41.2 +41 59 22	EA	V0835 Aur	05 10 49.5 +33 50 46	EB
V0787 And	00 33 17.0 +26 31 24	RR(B)	V0836 Aur	05 13 39.2 +42 37 15	LB
V0788 And	00 39 38.4 +30 09 41	RR(B)	V0837 Aur	05 18 07.5 +36 49 50	EW
V0789 And	00 40 18.0 +27 26 04	EA	V0838 Aur	05 24 22.1 +42 05 58	EA
V0790 And	00 56 10.9 +41 17 01	EW	V0839 Aur	05 26 11.8 +41 45 08	EA
V0791 And	01 09 22.3 +36 02 18	DSCT	V0840 Aur	05 29 26.9 +46 11 47	EW
V0792 And	01 17 03.5 +49 33 09	EA	V0841 Aur	05 31 51.0 +36 03 59	EW
V0793 And	01 18 53.2 +36 21 55	EW	V0842 Aur	05 32 55.0 +54 19 26	EB
V0794 And	01 20 12.8 +48 36 41	EA	V0843 Aur	05 34 22.3 +31 22 08	EB
V0795 And	01 21 46.6 +44 46 44	EB	V0844 Aur	05 43 05.6 +53 02 35	EW
V0796 And	01 29 26.9 +38 33 38	RR(B)	V0845 Aur	05 43 52.4 +33 44 39	EB
V0797 And	01 36 23.2 +48 00 28	RRC	V0846 Aur	05 46 19.1 +32 01 11	EW
V0798 And	01 43 01.8 +37 50 58	EA	V0847 Aur	05 46 46.9 +44 33 49	EB
V0799 And	01 52 21.6 +41 25 06	EA	V0848 Aur	05 48 08.0 +32 48 59	M
V0800 And	01 54 19.4 +37 08 15	SRB	V0849 Aur	05 48 24.0 +30 57 04	EA+EA
V0801 And	02 00 09.1 +43 02 43	EW	V0850 Aur	05 49 06.5 +41 56 40	EA
V0802 And	02 05 15.8 +41 28 14	EB	V0851 Aur	05 49 16.1 +41 18 19	EA
V0803 And	02 09 47.6 +47 04 33	EW	V0852 Aur	05 49 33.9 +51 29 06	EA
V0804 And	02 10 19.1 +46 40 44	EB	V0853 Aur	05 54 17.0 +44 25 34	EW
V0805 And	02 10 25.4 +46 45 21	EW	V0854 Aur	05 58 05.5 +51 36 40	EA
V0806 And	02 23 30.8 +40 04 50	EB	V0855 Aur	06 05 51.8 +31 56 48	EW
V0807 And	02 26 51.1 +37 33 02	EP+DSCT	V0856 Aur	06 12 34.8 +49 37 40	EA
V0808 And	02 27 38.7 +43 14 43	SXPHE	V0857 Aur	06 13 34.4 +49 14 05	E
CO Ant	09 27 55.0 -39 10 53	EW	V0858 Aur	06 30 58.2 +38 31 22	RRAB
CP Ant	10 05 50.3 -28 25 25	EB	V0859 Aur	06 36 52.2 +30 44 05	EB
CQ Ant	10 09 05.1 -36 50 03	M	V0860 Aur	07 09 55.5 +36 43 56	EW
CR Ant	10 19 16.8 -28 19 25	EB	V0861 Aur	07 25 07.6 +39 03 41	RR(B)
CS Ant	10 54 55.1 -35 20 53	EW	V0381 Boo	13 47 01.8 +20 56 59	RR(B)
V1046 Ara	17 00 46.8 -53 19 51	M	V0382 Boo	13 51 18.2 +08 12 09	EA
V1047 Ara	17 25 09.3 -49 52 04	SRB	V0383 Boo	13 55 12.5 +09 46 10	RR(B)
V1048 Ara	17 26 38.2 -63 48 54	ELL:	V0384 Boo	13 56 45.3 +26 06 41	RR(B)
V1049 Ara	17 29 14.8 -59 39 55	DSCT	V0385 Boo	13 56 46.1 +22 45 11	EB
V1050 Ara	17 35 02.5 -49 26 26	BE	V0386 Boo	13 58 22.8 +09 13 29	RR(B)
V1051 Ara	17 35 50.9 -53 04 48	DSCT	V0387 Boo	14 05 33.3 +11 46 39	EW
DM Ari	01 48 50.2 +22 46 37	EB	V0388 Boo	14 07 02.4 +10 26 24	RR(B)
DN Ari	01 52 16.8 +24 48 31	RR(B)	V0389 Boo	14 08 03.9 +23 03 42	EB
DO Ari	01 53 42.6 +15 52 16	RR(B)	V0390 Boo	14 14 39.0 +31 01 46	BY
DP Ari	02 09 50.4 +12 26 36	RR(B)	V0391 Boo	14 15 47.0 +08 08 11	EW
DQ Ari	02 15 54.8 +25 34 40	RR(B)	V0392 Boo	14 16 04.8 +29 59 08	RRC
DR Ari	02 16 30.3 +21 17 50	DSCT	V0393 Boo	14 20 12.4 +49 52 06	RRAB
DS Ari	02 27 26.4 +11 56 50	EW	V0394 Boo	14 21 58.7 +34 27 24	RR(B)
DT Ari	02 48 18.0 +11 12 40	RR(B)	V0395 Boo	14 24 54.2 +11 47 45	RR(B)
DU Ari	03 10 04.3 +27 51 53	EW	V0396 Boo	14 25 47.2 +22 10 09	RR(B)
DV Ari	03 13 25.6 +15 21 47	RR(B)	V0397 Boo	14 31 50.4 +17 57 22	RR(B)
DW Ari	03 17 00.7 +19 08 39	EW	V0398 Boo	14 34 29.8 +26 57 28	RRC
V0826 Aur	04 55 19.6 +45 14 21	EW	V0399 Boo	14 34 54.0 +27 09 36	RR(B)
V0827 Aur	04 55 26.2 +44 20 40	LB	V0400 Boo	14 36 02.9 +37 05 29	EW
V0828 Aur	04 57 18.3 +40 56 43	EW	V0401 Boo	14 36 49.6 +32 39 50	RR(B)
V0829 Aur	05 02 30.0 +45 10 43	UV+BY:	V0402 Boo	14 39 35.6 +15 44 22	EB
V0830 Aur	05 02 56.8 +50 32 15	EW	V0403 Boo	14 40 18.1 +20 01 32	RR(B)

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ′ ″			h m s o ′ ″	
V0404 Boo	14 43 51.7 +44 44 44	EA	V0612 Cam	07 14 55.9 +73 15 40	EA
V0405 Boo	14 44 01.0 +34 02 44	RR(B)	V0613 Cam	07 36 20.4 +75 59 18	EW
V0406 Boo	14 44 43.4 +25 57 53	EW	V0614 Cam	08 25 17.7 +84 25 23	EW
V0407 Boo	14 45 18.6 +35 28 05	EW	V0615 Cam	09 02 02.4 +76 57 08	EW
V0408 Boo	14 47 29.9 +11 58 39	DSCT	V0616 Cam	09 05 52.6 +82 03 44	EB
V0409 Boo	14 49 54.8 +17 16 17	EW:	V0617 Cam	09 06 10.8 +80 39 57	SR
V0410 Boo	14 50 07.6 +38 14 56	DSCT	NN Cnc	08 01 22.2 +21 21 11	RR(B)
V0411 Boo	14 53 55.2 +39 32 21	RR(B)	NO Cnc	08 04 41.3 +21 24 20	EB
V0412 Boo	14 58 11.8 +25 26 32	RR(B)	NP Cnc	08 09 35.3 +12 09 00	RR(B)
V0413 Boo	15 03 58.2 +34 46 48	RR(B)	NQ Cnc	08 11 38.0 +28 02 16	EW
V0414 Boo	15 07 36.0 +10 05 02	RRC	NR Cnc	08 11 51.7 +08 23 00	EW
V0415 Boo	15 07 40.6 +12 41 43	RR(B)	NS Cnc	08 12 56.8 +19 11 58	E+NL
V0416 Boo	15 36 17.0 +46 29 32	EB	NT Cnc	08 13 18.0 +28 42 14	EB
V0417 Boo	15 41 37.0 +51 59 25	DSCT	NU Cnc	08 14 29.8 +31 11 15	RR(B)
TY Cae	04 22 00.6 −45 03 13	EW	NV Cnc	08 16 12.9 +26 41 14	EB
V0573 Cam	03 16 49.4 +58 24 41	EW	NW Cnc	08 16 52.4 +09 27 57	RR(B)
V0574 Cam	03 17 05.3 +63 23 02	EA	NX Cnc	08 20 13.3 +32 21 26	EW
V0575 Cam	03 17 07.8 +57 29 26	E/RS	NY Cnc	08 21 22.8 +08 50 02	EW
V0576 Cam	03 17 11.3 +60 28 27	EA	NZ Cnc	08 22 09.3 +24 02 29	EW
V0577 Cam	03 18 35.1 +62 21 49	EW	OO Cnc	08 24 26.3 +18 42 29	RR(B)
V0578 Cam	03 20 01.0 +59 38 37	EW	OP Cnc	08 26 30.9 +17 02 53	EW
V0579 Cam	03 21 08.1 +58 51 24	EA	OQ Cnc	08 26 40.6 +31 14 59	EB
V0580 Cam	03 21 54.0 +60 25 39	EW	OR Cnc	08 27 13.5 +17 40 36	EA:
V0581 Cam	03 22 19.5 +62 20 51	RRC:	OS Cnc	08 28 04.2 +17 59 31	EW
V0582 Cam	03 23 30.4 +59 00 14	EA	OT Cnc	08 31 27.9 +19 53 04	EW
V0583 Cam	03 25 12.9 +61 47 17	EA	OU Cnc	08 31 55.5 +09 42 54	EW
V0584 Cam	03 25 42.3 +59 33 33	EW	OV Cnc	08 31 56.7 +17 43 15	EB
V0585 Cam	03 27 04.2 +62 02 12	EB	OW Cnc	08 32 51.1 +13 33 42	EW
V0586 Cam	03 27 28.0 +55 41 51	EB	OX Cnc	08 34 16.8 +13 58 56	EW
V0587 Cam	03 30 24.4 +59 58 47	EW	OY Cnc	08 39 27.1 +23 35 36	EW
V0588 Cam	03 31 13.9 +63 58 44	CEP	OZ Cnc	08 39 54.2 +23 20 17	EW
V0589 Cam	03 32 52.5 +59 36 52	EW	PP Cnc	08 41 44.2 +25 30 31	DSCT
V0590 Cam	03 33 13.8 +60 27 00	EW	PQ Cnc	08 42 06.0 +21 26 12	EW
V0591 Cam	03 33 21.1 +60 20 34	EB	PR Cnc	08 45 29.4 +24 16 31	RR(B)
V0592 Cam	03 34 59.0 +62 36 53	EA	PS Cnc	08 48 38.2 +09 51 15	RR(B)
V0593 Cam	03 35 18.8 +60 37 28	EB	PT Cnc	08 51 27.9 +25 27 54	EA
V0594 Cam	03 36 39.1 +57 56 54	BY:	PU Cnc	08 52 13.3 +09 32 17	RR(B)
V0595 Cam	03 37 14.8 +60 02 41	DSCT	PV Cnc	08 58 21.1 +09 17 38	EW
V0596 Cam	03 37 33.6 +60 09 26	EB	PW Cnc	08 58 42.7 +17 39 38	RRC
V0597 Cam	03 37 41.8 +61 24 41	EB	PX Cnc	08 58 42.8 +17 39 25	EA
V0598 Cam	03 38 34.9 +57 41 44	EB	PY Cnc	08 58 43.0 +14 53 10	EW
V0599 Cam	03 38 54.2 +60 35 50	EB	PZ Cnc	09 00 19.7 +14 21 28	EW
V0600 Cam	03 41 17.7 +62 27 43	EA	QQ Cnc	09 02 22.3 +18 33 40	RR(B)
V0601 Cam	03 42 35.1 +76 45 17	EW	QR Cnc	09 03 13.9 +11 11 40	EB
V0602 Cam	03 45 55.7 +60 11 47	LB:	QS Cnc	09 06 37.8 +24 12 14	EW
V0603 Cam	03 58 49.2 +57 15 18	EB	QT Cnc	09 07 03.0 +31 13 25	EW
V0604 Cam	05 17 37.1 +69 51 47	EW	QU Cnc	09 16 37.7 +07 11 25	RR(B)
V0605 Cam	05 18 35.8 +69 48 59	EW	QV Cnc	09 17 43.8 +09 57 23	EW
V0606 Cam	05 21 39.1 +62 20 19	RR	HK CVn	12 13 57.2 +45 28 57	RR(B)
V0607 Cam	05 46 03.6 +66 55 25	EB	HL CVn	12 17 00.5 +36 33 16	RR(B)
V0608 Cam	06 26 01.8 +82 21 28	EA	HM CVn	12 17 13.2 +45 47 04	RR(B)
V0609 Cam	06 29 57.7 +76 43 00	EW	HN CVn	12 28 09.6 +35 33 39	DSCT
V0610 Cam	07 01 44.5 +63 53 03	RR(B)	HO CVn	12 44 09.8 +36 03 23	EW
V0611 Cam	07 14 14.4 +73 27 30	DSCT	HP CVn	12 50 17.8 +42 57 30	RR(B)

Table 1 (Continued)

Name		R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
		h m s ° ' "			h m s ° ' "	
HQ	CVn	12 59 47.5 +36 58 44	EB	V1296 Cas	00 00 24.5 +55 27 48	EW
HR	CVn	13 01 11.2 +42 02 14	EW	V1297 Cas	00 06 37.4 +55 27 22	EW
HS	CVn	13 01 37.1 +39 41 37	RR(B)	V1298 Cas	00 14 13.8 +60 27 03	EB
HT	CVn	13 06 58.4 +36 27 21	EA	V1299 Cas	00 23 30.0 +61 17 40	EA
HU	CVn	13 07 05.5 +36 57 58	EW	V1300 Cas	00 24 15.1 +60 35 01	EB
HV	CVn	13 12 59.9 +37 07 02	RR(B)	V1301 Cas	00 30 33.1 +57 43 47	EW
HW	CVn	13 23 08.7 +42 46 13	EW	V1302 Cas	00 35 26.0 +61 14 48	LB
HX	CVn	13 29 00.4 +34 12 42	RR(B)	V1303 Cas	00 36 08.4 +74 30 10	EW
HY	CVn	13 34 17.8 +39 43 14	EW	V1304 Cas	00 36 25.9 +60 45 36	LB
HZ	CVn	14 05 51.5 +37 46 52	EW	V1305 Cas	00 40 46.4 +46 56 57	EB
II	CVn	14 06 46.6 +37 47 14	EW	V1306 Cas	00 46 25.2 +61 39 11	GCAS
V0436 CMa		06 12 36.0 -28 16 27	EW	V1307 Cas	00 46 51.0 +60 17 46	LB
V0437 CMa		06 15 29.5 -18 37 31	SRB	V1308 Cas	00 52 13.0 +65 12 26	SR
V0438 CMa		06 16 02.4 -14 26 04	EB	V1309 Cas	01 04 04.8 +63 17 11	LB
V0439 CMa		06 18 14.9 -14 41 09	EW	V1310 Cas	01 08 03.3 +49 05 55	EB
V0440 CMa		06 19 21.4 -15 50 37	EW	V1311 Cas	01 09 53.7 +60 10 44	EA
V0441 CMa		06 28 21.2 -12 51 33	GDOR	V1312 Cas	01 11 14.9 +60 10 57	EA/RS
V0442 CMa		06 54 34.0 -11 23 30	GDOR	V1313 Cas	01 11 54.5 +63 05 00	LB
V0443 CMa		06 54 49.5 -31 34 45	SRB	V1314 Cas	01 15 10.0 +65 28 47	EA
V0444 CMa		07 11 48.4 -13 08 52	EW	V1315 Cas	01 16 59.7 +63 32 06	BY:
V0435 CMa		07 13 45.8 -21 12 31	NA	V1316 Cas	01 17 32.7 +52 51 44	EA
V0445 CMa		07 17 29.5 -15 36 12	EA	V1317 Cas	01 20 01.9 +62 17 08	EA
V0446 CMa		07 19 14.8 -19 54 24	ACV:	V1318 Cas	01 22 06.2 +62 32 40	EW
V0447 CMa		07 20 18.3 -19 42 47	EW	V1319 Cas	01 24 40.4 +63 08 30	EB
V0448 CMa		07 21 28.2 -14 37 19	EW	V1320 Cas	01 26 09.1 +60 52 26	EW
V0449 CMa		07 23 33.1 -15 54 13	EB	V1321 Cas	01 32 32.8 +55 15 26	EW
V0450 CMa		07 25 15.0 -11 35 50	EA	V1322 Cas	01 33 26.5 +56 25 17	EW
V0451 CMa		07 26 41.4 -22 08 54	SRD+EB	V1323 Cas	01 33 28.7 +59 30 02	EA:
FN	CMi	07 07 01.0 +06 34 59	EB	V1324 Cas	01 33 38.5 +71 02 37	EA
FO	CMi	07 09 56.3 +12 06 08	EB	V1325 Cas	01 34 05.0 +68 34 23	EB
FP	CMi	07 18 23.0 +09 02 24	EB	V1326 Cas	01 35 15.5 +59 58 11	EA
FQ	CMi	07 25 44.5 -00 07 41	EA	V1327 Cas	01 38 03.2 +65 38 09	EB
FR	CMi	07 27 08.1 +09 16 39	EW	V1328 Cas	01 43 18.0 +65 09 26	EB
FS	CMi	07 37 58.5 +05 52 28	DSCT	V1329 Cas	02 01 28.6 +63 54 26	EA
FT	CMi	07 41 42.3 +07 29 26	EW	V1330 Cas	02 05 14.2 +69 32 30	EB
FU	CMi	07 42 05.0 +00 44 09	EW	V1331 Cas	02 08 25.5 +65 58 18	EW
FV	CMi	07 53 10.3 +04 25 37	EW	V1332 Cas	02 09 51.4 +66 59 38	EA
FW	CMi	07 59 31.9 +05 08 07	EB	V1333 Cas	02 11 27.8 +64 49 39	EB
FX	CMi	08 03 52.1 +06 19 25	EA	V1334 Cas	02 13 50.8 +65 46 26	EA
FY	CMi	08 05 45.5 +02 03 02	EB	V1335 Cas	02 22 51.5 +60 30 26	EW
V0907 Car		06 57 11.3 -51 21 10	SRB	V1336 Cas	02 24 35.1 +61 05 35	SR
V0908 Car		07 31 03.3 -52 54 44	SR	V1337 Cas	02 27 48.6 +61 27 56	EW
V0909 Car		08 56 31.5 -57 00 41	BY:	V1338 Cas	02 34 18.8 +63 12 43	EW
V0910 Car		09 53 54.9 -58 49 42	SXARI:	V1339 Cas	02 36 47.0 +63 21 53	EA
V0911 Car		10 05 23.6 -70 41 31	SR	V1340 Cas	02 38 54.4 +63 37 40	EA
V0912 Car		10 06 25.5 -59 12 54	ACV:	V1341 Cas	02 39 14.7 +58 08 19	EW
V0906 Car		10 36 15.4 -59 35 54	NA	V1342 Cas	02 40 02.5 +61 07 44	EA
V0913 Car		10 50 22.1 -58 53 26	ACV	V1343 Cas	02 43 50.9 +58 26 00	EW
V0914 Car		10 51 34.4 -60 47 57	ELL	V1344 Cas	02 44 53.5 +61 55 14	EA
V0915 Car		10 56 42.3 -62 17 41	RS:	V1345 Cas	02 45 04.1 +57 43 09	RRC:
V0916 Car		11 09 11.9 -60 46 48	DCEP	V1346 Cas	02 45 41.2 +58 06 40	EW
V0917 Car		11 09 18.3 -64 29 41	SRA	V1347 Cas	02 46 25.5 +59 37 02	EB
V0918 Car		11 10 28.9 -61 18 15	CWA	V1348 Cas	02 46 46.1 +57 59 23	EW
V0919 Car		11 17 07.1 -64 36 57	NA	V1349 Cas	02 47 31.1 +62 41 03	EW

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ′ ″			h m s o ′ ″	
V1350 Cas	02 47 55.6 +61 53 19	EW	V1418 Cen	13 29 24.7 −47 01 44	SR
V1351 Cas	02 47 56.3 +63 09 02	EW	V1419 Cen	13 30 47.4 −48 01 08	SRB
V1352 Cas	02 48 05.6 +57 56 04	DCEP	V1420 Cen	13 30 56.9 −48 19 25	SR
V1353 Cas	02 48 29.5 +63 16 27	EW	V1421 Cen	13 32 13.2 −32 02 04	DSCT
V1354 Cas	02 49 58.3 +63 31 10	EW	V1422 Cen	13 43 56.2 −30 20 40	SRB
V1355 Cas	02 50 53.6 +63 01 39	RRAB	V1423 Cen	13 54 03.8 −46 29 49	EW
V1356 Cas	02 51 12.3 +62 19 56	EA	V1424 Cen	14 06 02.8 −58 32 45	INT:
V1357 Cas	02 51 41.8 +61 23 50	EB	V1404 Cen	14 07 31.3 −63 13 12	NA
V1358 Cas	02 52 05.0 +63 11 13	EW	V1425 Cen	14 09 47.8 −61 44 58	SRS
V1359 Cas	02 52 26.2 +66 29 26	EW	V1426 Cen	14 15 34.0 −34 13 40	UG
V1360 Cas	02 52 44.5 +62 00 14	EA	V1427 Cen	14 21 36.7 −63 19 36	NA
V1361 Cas	02 53 00.5 +57 32 34	EA	V1428 Cen	14 25 04.4 −58 45 34	NA
V1362 Cas	02 53 11.2 +58 00 19	EA	V1429 Cen	14 28 21.6 −38 12 14	DSCT
V1363 Cas	02 54 31.0 +63 22 06	E/RS	V1430 Cen	14 41 03.2 −62 45 58	SR
V1364 Cas	02 56 06.3 +63 45 16	EB	V1019 Cep	00 28 28.0 +78 57 43	EW
V1365 Cas	02 57 04.5 +58 42 37	EW	V1020 Cep	02 09 37.7 +79 03 33	EW
V1366 Cas	02 57 22.4 +61 38 21	EA	V1021 Cep	03 06 44.8 +77 30 13	EA
V1367 Cas	02 57 24.0 +60 16 54	EW	V1022 Cep	03 38 33.1 +78 00 41	RRAB
V1368 Cas	02 57 32.2 +60 17 38	EW	V1023 Cep	03 39 26.7 +77 26 56	LB
V1369 Cas	02 58 07.1 +60 42 24	EB:	V1024 Cep	05 06 48.3 +83 19 23	NL+E
V1370 Cas	02 58 28.6 +58 15 34	EB	KS Cet	00 04 00.6 −09 03 52	RR(B)
V1371 Cas	02 59 37.0 +59 51 45	EW	KT Cet	00 12 34.2 −22 55 17	M
V1372 Cas	03 00 07.7 +58 56 26	EB	KU Cet	00 45 45.3 −24 45 16	EW
V1373 Cas	03 03 13.6 +58 41 35	EW	KV Cet	00 46 23.8 −03 15 08	EB
V1374 Cas	03 03 21.9 +63 16 13	EW	KW Cet	00 53 21.2 −11 58 34	SR:
V1375 Cas	03 04 26.4 +62 39 08	EW	KX Cet	01 03 40.4 −17 21 39	EW
V1376 Cas	03 05 04.5 +58 27 54	EB	KY Cet	01 06 36.6 +02 31 02	RRC
V1377 Cas	03 06 17.4 +58 44 09	EW	KZ Cet	01 22 12.6 +02 13 21	RRAB
V1378 Cas	03 06 39.6 +58 55 10	EW:	LL Cet	01 24 17.0 +01 12 19	SR
V1379 Cas	03 06 59.2 +62 19 37	EB	LM Cet	01 27 55.3 −23 01 41	EB
V1380 Cas	03 07 07.6 +63 01 38	EW	LN Cet	01 44 54.2 −14 36 43	RR(B)
V1381 Cas	03 09 26.4 +62 22 09	EA	LO Cet	01 51 00.2 −10 05 24	EW
V1382 Cas	03 10 50.1 +58 30 04	EB	LP Cet	01 54 50.2 +00 15 01	RRAB
V1383 Cas	03 12 18.0 +76 51 20	LB	LQ Cet	01 59 03.1 −04 25 28	RR(B)
V1384 Cas	03 13 47.0 +63 20 58	DCEP	LR Cet	02 24 27.9 −10 40 35	EA
V1385 Cas	03 13 52.2 +62 07 33	EA	LS Cet	02 24 29.7 +08 12 31	DSCT
V1386 Cas	03 14 03.4 +61 44 43	EA	LT Cet	02 34 39.4 +04 55 28	RRC
V1387 Cas	03 14 55.3 +62 38 56	EA	LU Cet	02 53 45.0 +05 06 34	GDOR
V1388 Cas	03 15 07.4 +63 19 53	L	LV Cet	02 59 19.8 +06 43 43	EA
V1389 Cas	03 15 48.1 +60 31 02	EA	LW Cet	03 17 59.1 +02 30 12	EW
V1390 Cas	03 23 00.2 +72 35 49	EW	FM Cir	13 53 27.6 −67 25 01	NA
V1406 Cen	11 14 59.4 −36 12 51	EW	FN Cir	14 37 10.1 −64 48 05	BE
V1407 Cen	11 19 31.5 −39 50 48	EW	FO Cir	14 55 07.3 −60 26 40	NA
V1408 Cen	11 24 37.2 −59 59 37	ACV:	FP Cir	15 23 15.4 −56 03 43	DSCT
V1409 Cen	11 40 33.5 −56 41 46	SR	BR Col	05 05 20.9 −37 43 39	EW
V1410 Cen	11 49 29.2 −42 30 49	EW	BS Col	06 02 34.4 −33 32 11	EA/RS
V1411 Cen	12 14 03.1 −41 47 40	EW	BT Col	06 03 34.5 −28 34 27	EW
V1412 Cen	12 46 06.5 −42 38 06	CWB	BU Col	06 26 34.8 −38 56 50	EW
V1413 Cen	12 53 50.8 −37 03 24	EB	QU Com	11 59 42.6 +15 15 30	RR(B)
V1414 Cen	13 09 20.5 −34 09 20	EW	QV Com	12 00 24.1 +13 51 04	EW
V1405 Cen	13 20 55.4 −63 42 19	NB	QW Com	12 08 12.2 +23 21 43	RR(B)
V1415 Cen	13 22 31.5 −48 08 29	SRB	QX Com	12 18 03.4 +28 38 32	RR(B)
V1416 Cen	13 23 33.0 −48 34 08	SRB	QY Com	12 24 48.8 +22 11 37	RR(B)
V1417 Cen	13 27 26.1 −46 27 17	RRC	QZ Com	12 32 04.8 +18 20 10	RRC

Table 1 (Continued)

Name		R.A., Decl., 2000.0							Type	Name		R.A., Decl., 2000.0							Type
		h	m	s	o	'	"					h	m	s	o	'	"		
V0335	Com	12	47	46.3	+20	15	48		RR(B)	V0556	Dra	16	57	33.9	+59	31	52		EA
V0336	Com	12	48	42.7	+15	41	35		RR(B)	V0557	Dra	17	03	58.6	+52	01	37		RR(B)
V0337	Com	13	02	12.8	+17	50	21		RR(B)	V0558	Dra	17	10	02.9	+52	23	39		RR(B)
V0338	Com	13	03	44.7	+17	58	07		RR(B)	V0559	Dra	17	12	46.9	+57	03	10		EW
V0339	Com	13	15	18.7	+25	10	06		EW	V0560	Dra	17	15	22.5	+55	33	28		RR(B)
V0340	Com	13	19	46.8	+14	40	22		RR(B)	V0561	Dra	17	19	26.6	+53	49	43		RR(B)
V0341	Com	13	23	22.1	+26	13	44		RR(B)	V0562	Dra	17	23	10.7	+58	25	47		EB
V0342	Com	13	23	23.8	+17	55	58		RR(B)	V0563	Dra	17	25	13.9	+51	26	26		EW
V0343	Com	13	26	12.0	+18	44	45		RR(B)	V0564	Dra	17	35	32.3	+57	48	09		EB
DD	CrB	15	33	49.4	+37	59	28		EA	V0565	Dra	17	38	49.8	+57	12	23		EW
DE	CrB	15	46	19.2	+36	34	05		RR(B)	OW	Eri	02	34	59.1	-39	37	05		EW
DF	CrB	15	48	18.1	+32	21	46		EW	OX	Eri	02	55	33.3	-47	50	42		UG
DG	CrB	15	49	51.1	+29	31	28		RR(B)	OY	Eri	02	59	59.2	-39	58	12		EW
DH	CrB	16	01	28.5	+28	15	54		RR(B)	OZ	Eri	04	34	05.8	-07	06	54		EW
DI	CrB	16	05	31.2	+29	56	42		RR(B)	PP	Eri	05	00	31.5	-09	14	14		EB
DK	CrB	16	11	18.0	+33	07	13		EA	PQ	Eri	05	01	35.2	-08	38	36		EB
DL	CrB	16	11	32.5	+33	06	05		EA	BL	For	03	07	49.9	-36	52	02		EW
DM	CrB	16	15	59.4	+38	52	10		BY	BM	For	03	32	18.8	-35	39	15		DSCT
AB	Crv	12	01	11.0	-22	02	11		EW	V0477	Gem	06	07	26.6	+22	05	48		BE+X
AC	Crv	12	02	30.5	-21	13	14		EW	V0478	Gem	06	11	56.3	+23	30	29		EW
AD	Crv	12	11	43.6	-16	45	01		RRC	V0479	Gem	06	15	38.2	+21	50	08		M
AE	Crv	12	19	06.3	-24	00	57		EW	V0480	Gem	06	18	50.4	+22	05	12		EW
AF	Crv	12	21	18.7	-13	59	53		EW	V0481	Gem	06	22	29.5	+27	34	42		EW
AG	Crv	12	22	07.9	-12	03	16		RR(B)	V0482	Gem	06	24	00.8	+20	28	13		EW
AH	Crv	12	27	26.3	-13	00	28		RR(B)	V0483	Gem	06	25	41.6	+22	06	20		DSCT
AS	Crt	10	59	53.3	-09	31	41		EW	V0484	Gem	06	26	57.7	+24	29	07		UG
AT	Crt	11	03	04.4	-22	29	18		RRAB	V0485	Gem	06	31	03.8	+20	11	38		RRC:
AU	Crt	11	09	10.5	-16	23	48		EA	V0486	Gem	06	35	46.2	+19	28	28		EW
AV	Crt	11	10	14.2	-20	07	07		E	V0487	Gem	06	40	03.0	+28	25	34		BY+UV
AW	Crt	11	11	34.8	-13	26	10		EW	V0488	Gem	07	04	52.4	+10	27	24		DSCT
AX	Crt	11	14	36.6	-16	10	46		RR(B)	V0489	Gem	07	10	48.9	+24	36	54		EW
AY	Crt	11	25	21.2	-11	16	10		RR(B)	V0490	Gem	07	11	00.1	+24	49	17		EA
AZ	Crt	11	26	56.4	-09	25	48		EA	V0491	Gem	07	11	35.2	+24	24	56		RRAB
BB	Crt	11	27	21.8	-09	17	36		EB	V0492	Gem	07	11	43.1	+24	29	55		EB
BC	Crt	11	30	22.3	-15	21	53		EA	V0493	Gem	07	13	27.3	+20	55	53		UGSU
BD	Crt	11	33	18.3	-09	34	00		EB	V0494	Gem	07	19	59.5	+25	43	40		EW
BE	Crt	11	38	15.7	-13	18	53		EW	V0495	Gem	07	20	29.5	+23	40	07		EA
FU	Cru	12	11	00.6	-60	29	04		EW	V0496	Gem	07	21	24.6	+25	59	07		EW
FV	Cru	12	11	05.6	-60	29	25		EW	V0497	Gem	07	25	13.3	+30	49	41		EB
FW	Cru	12	11	10.7	-60	29	54		EW	V0498	Gem	07	26	27.0	+18	41	23		EA
FX	Cru	12	14	44.8	-62	45	29		DSCTC	V0499	Gem	07	27	09.8	+29	17	16		EB
BL	Dor	04	16	55.2	-49	27	10		EW	V0500	Gem	07	27	40.1	+26	23	04		ELL/RS
BM	Dor	04	19	35.9	-50	26	15		EA	V0501	Gem	07	30	45.1	+15	05	25		EB
BN	Dor	04	49	26.8	-68	45	06		SR	V0502	Gem	07	30	58.2	+25	34	12		EB
V0546	Dra	11	41	14.4	+75	42	22		RR(B)	V0503	Gem	07	32	04.9	+15	04	25		EB
V0547	Dra	12	28	20.9	+68	36	59		EW	V0504	Gem	07	34	30.9	+33	59	00		EW
V0548	Dra	14	49	27.7	+57	17	55		EW	V0505	Gem	07	41	02.5	+30	47	25		EW
V0549	Dra	15	33	45.8	+63	37	12		EW	V0506	Gem	07	41	09.3	+19	19	30		RR(B)
V0550	Dra	15	47	10.6	+53	02	11		EW	V0507	Gem	07	43	15.4	+30	38	40		EW
V0551	Dra	16	27	44.2	+56	45	59		EW	V0508	Gem	07	45	02.2	+31	43	34		EW
V0552	Dra	16	29	40.3	+57	20	33		DSCT	V0509	Gem	07	45	33.5	+27	42	42		EW
V0553	Dra	16	35	50.5	+66	19	33		DSCT	V0510	Gem	07	46	58.6	+22	44	48		EW
V0554	Dra	16	41	05.8	+60	36	22		EW	V0511	Gem	07	47	06.2	+19	31	23		EW
V0555	Dra	16	44	25.4	+52	51	46		RR(B)	V0512	Gem	07	47	22.5	+22	04	14		EA+DSCT

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V0513 Gem	07 47 26.6 +26 23 46	UV	V1497 Her	17 28 57.9 +15 10 46	EW
V0514 Gem	07 49 00.8 +28 34 26	EA	V1498 Her	17 30 03.2 +34 45 09	EW
V0515 Gem	07 51 02.2 +34 24 06	EW	V1499 Her	17 30 10.8 +45 22 05	RR(B)
V0516 Gem	07 55 40.6 +26 46 20	UG	V1500 Her	17 31 37.5 +19 23 59	EW
V0517 Gem	07 57 01.5 +30 36 33	RR(B)	V1501 Her	17 35 20.9 +30 30 11	EW
V0518 Gem	07 57 34.4 +26 51 52	EW	V1502 Her	17 37 00.8 +25 32 11	DSCT
V0519 Gem	08 00 15.5 +28 20 58	DSCTC:	V1503 Her	17 40 16.2 +31 59 50	RRC
V0520 Gem	08 04 46.1 +32 01 42	RR(B)	V1504 Her	17 44 00.1 +34 21 06	EB
V0521 Gem	08 06 06.5 +30 08 54	EW	V1505 Her	17 47 27.4 +40 35 07	DSCT
V1452 Her	15 49 16.8 +42 24 24	RR(B)	V1506 Her	17 50 44.3 +49 54 34	EW
V1453 Her	16 01 56.0 +20 28 22	EW	V1507 Her	17 51 38.6 +39 03 00	RR(B)
V1454 Her	16 08 47.2 +25 11 44	EW	V1508 Her	17 53 02.5 +37 13 13	DSCTC
V1455 Her	16 12 40.4 +08 27 00	EB	V1509 Her	17 54 57.4 +24 46 14	EW
V1456 Her	16 15 18.8 +23 44 12	EW	V1510 Her	17 54 58.2 +37 29 02	EW
V1457 Her	16 17 34.1 +41 03 42	RR(B)	V1511 Her	17 55 27.5 +44 06 55	EW
V1458 Her	16 18 57.8 +26 13 38	EW	V1512 Her	17 55 29.2 +21 31 28	EW
V1459 Her	16 20 22.1 +12 05 33	EW	V1513 Her	17 56 09.3 +43 00 54	DSCT
V1460 Her	16 21 17.4 +44 12 54	UG+E	V1514 Her	17 56 32.3 +32 48 04	EW
V1461 Her	16 24 27.5 +18 24 50	RR(B)	V1515 Her	17 57 25.7 +46 15 47	EW
V1462 Her	16 26 43.1 +23 29 42	DSCT	AO Hor	03 02 48.2 −61 25 45	EW
V1463 Her	16 26 53.8 +14 10 16	EB	AP Hor	03 10 11.4 −58 30 04	SR
V1464 Her	16 28 44.6 +06 49 45	EW	AQ Hor	04 06 15.8 −42 50 02	EW
V1465 Her	16 29 22.2 +16 59 38	EA	V0607 Hya	08 11 17.1 −08 24 10	EW
V1466 Her	16 30 18.5 +06 26 26	RR(B)	V0608 Hya	08 12 03.0 +05 09 27	EW
V1467 Her	16 32 00.0 +33 51 35	RRC	V0609 Hya	08 14 08.1 +00 29 11	EW
V1468 Her	16 32 45.6 +32 40 51	RR(B)	V0610 Hya	08 18 04.7 −06 27 49	EA
V1469 Her	16 35 01.1 +35 47 02	RRAB	V0611 Hya	08 19 03.4 −08 56 04	EW
V1470 Her	16 35 10.7 +05 50 47	EW	V0612 Hya	08 21 44.4 −01 45 53	EB
V1471 Her	16 38 04.8 +34 33 36	RRAB	V0613 Hya	08 25 49.4 −02 01 25	EA
V1472 Her	16 39 13.4 +48 11 03	RR(B)	V0614 Hya	08 25 59.6 −06 13 44	EW
V1473 Her	16 43 18.7 +26 48 26	RRAB	V0615 Hya	08 27 22.0 +02 51 27	EW
V1474 Her	16 43 45.0 +33 06 51	RR(B)	V0616 Hya	08 31 16.2 −08 59 32	EW
V1475 Her	16 43 49.6 +32 56 38	EW	V0617 Hya	08 32 08.9 −16 42 09	EA
V1476 Her	16 43 57.8 +26 17 44	EA	V0618 Hya	08 33 21.2 −08 28 12	EW
V1477 Her	16 44 45.4 +23 21 32	RR(B)	V0619 Hya	08 33 23.9 −04 57 37	EB
V1478 Her	16 46 47.7 +40 51 17	RR(B)	V0620 Hya	08 35 22.3 −13 50 22	EB
V1479 Her	16 48 14.2 +43 30 25	LB	V0621 Hya	08 36 57.8 −04 52 53	RR(B)
V1480 Her	16 48 22.8 +04 47 17	RR(B)	V0622 Hya	08 38 12.9 +02 59 34	EW
V1481 Her	16 48 27.0 +14 54 08	RR(B)	V0623 Hya	08 39 39.3 −05 05 00	RR(B)
V1482 Her	16 48 44.1 +07 32 05	RR(B)	V0624 Hya	08 40 25.7 +05 01 06	RR(B)
V1483 Her	16 48 59.1 +24 43 55	RR(B)	V0625 Hya	08 43 04.0 −03 42 52	EW
V1484 Her	16 50 09.5 +14 28 20	RR(B)	V0626 Hya	08 43 39.5 −13 54 24	EW
V1485 Her	16 56 32.0 +30 22 22	EW	V0627 Hya	08 44 08.7 −04 06 40	EW
V1486 Her	16 57 09.7 +21 40 02	RR(B)	V0628 Hya	08 47 32.9 +05 32 58	EW
V1487 Her	16 57 34.6 +27 48 10	EW	V0629 Hya	08 49 25.2 −15 15 17	EW
V1488 Her	16 57 40.3 +20 53 34	RR(B)	V0630 Hya	08 52 55.6 +05 36 53	EW
V1489 Her	16 57 57.1 +20 26 16	RR(B)	V0631 Hya	08 54 32.0 +00 00 06	EB
V1490 Her	16 59 39.8 +15 09 59	EW	V0632 Hya	08 55 24.6 −16 27 21	EW
V1491 Her	17 03 41.3 +49 33 24	RR(B)	V0633 Hya	08 57 11.8 −16 38 45	EW
V1492 Her	17 19 14.3 +44 06 50	RR(B)	V0634 Hya	09 00 46.5 −00 13 10	EA
V1493 Her	17 23 03.6 +23 12 42	EB	V0635 Hya	09 00 52.2 +04 56 08	RR(B)
V1494 Her	17 27 18.0 +43 16 24	EW	V0636 Hya	09 01 13.9 −02 23 22	EA
V1495 Her	17 28 02.5 +23 16 46	EW	V0637 Hya	09 06 19.0 −15 48 11	EB
V1496 Her	17 28 31.5 +22 34 19	DSCT	V0638 Hya	09 07 56.8 −15 38 36	EW

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V0639 Hya	09 08 08.4	-01 45 38	EA:	PV Leo	09 53 38.8 +08 55 10	EB
V0640 Hya	09 10 24.6	-10 47 56	EB	PW Leo	09 55 44.9 +18 23 08	RR(B)
V0641 Hya	09 18 48.7	-03 25 02	EB	PX Leo	09 57 25.9 +32 01 18	RR(B)
V0642 Hya	09 23 01.2	-06 58 09	EB	PY Leo	10 06 44.1 +21 56 59	RR(B)
V0643 Hya	09 29 15.3	-14 05 55	EW	PZ Leo	10 14 00.3 +09 39 24	RR(B)
V0644 Hya	09 31 46.2	-04 24 45	EW	QQ Leo	10 23 47.6 +15 59 12	RR(B)
V0645 Hya	09 32 01.9	-13 34 09	EW	QR Leo	10 26 43.7 +09 49 23	RR(B)
V0646 Hya	09 33 04.3	+04 41 51	EW	QS Leo	10 34 06.6 +07 12 08	RR(B)
V0647 Hya	09 33 51.7	-02 35 14	EB	QT Leo	10 34 39.5 +24 52 06	LB
V0648 Hya	09 38 13.5	-01 04 28	EA	QU Leo	10 35 59.3 +19 38 35	RR(B)
V0649 Hya	09 38 22.0	+02 57 09	EW	QV Leo	10 43 06.2 +09 03 40	RR(B)
V0650 Hya	09 53 50.8	-14 27 26	EB	QW Leo	10 49 42.4 +14 10 22	EW
V0651 Hya	09 54 21.0	-13 26 38	EW	QX Leo	10 57 30.2 -05 51 38	EW
V0652 Hya	09 57 06.8	-20 14 08	EW	QY Leo	10 57 31.4 +04 57 04	RR(B)
V0653 Hya	09 57 33.0	-13 08 04	EA	QZ Leo	11 00 04.5 +05 44 05	EW
V0654 Hya	10 05 03.4	-14 16 22	EW	V0335 Leo	11 03 51.8 +17 36 10	RR(B)
V0655 Hya	10 05 23.7	-14 16 18	EW	V0336 Leo	11 05 04.9 -01 29 43	EB
V0656 Hya	10 07 49.9	-16 14 06	EW	V0337 Leo	11 13 07.2 -00 05 33	EA
V0657 Hya	10 11 13.9	-14 12 53	EW	V0338 Leo	11 16 45.0 +23 59 28	RR(B)
V0658 Hya	10 23 28.6	-15 39 52	EW	V0339 Leo	11 16 52.8 +14 04 25	EW
V0659 Hya	10 29 16.6	-12 36 52	RR(B)	V0340 Leo	11 19 22.5 +17 13 24	RR(B)
V0660 Hya	10 30 37.2	-29 02 43	EA	V0341 Leo	11 25 18.4 -00 47 15	DSCT
V0661 Hya	10 31 27.5	-12 53 59	EW	V0342 Leo	11 27 59.3 -01 55 17	EA
V0662 Hya	10 31 30.8	-23 00 54	EW	V0343 Leo	11 28 45.5 -02 16 01	RR(B)
V0663 Hya	10 31 54.3	-25 15 42	RRAB	V0344 Leo	11 30 22.6 +08 54 43	RR(B)
V0664 Hya	10 32 22.9	-12 19 45	RR(B)	V0345 Leo	11 33 28.0 +22 59 21	RR(B)
V0665 Hya	10 36 05.4	-23 37 10	EW	V0346 Leo	11 35 49.4 -06 25 45	EW
V0666 Hya	10 38 30.8	-25 45 01	RRAB	V0347 Leo	11 37 22.8 +13 12 14	EB
V0667 Hya	10 41 25.6	-14 58 42	EW	V0348 Leo	11 40 30.9 +16 47 36	RRC:
V0668 Hya	10 41 55.7	-11 54 20	EW	V0349 Leo	11 45 14.8 +11 39 30	EW
V0669 Hya	10 44 10.6	-22 54 03	RRC	V0350 Leo	11 45 17.7 +17 31 16	RR(B)
V0670 Hya	10 46 03.5	-20 00 59	RRAB	V0351 Leo	11 46 31.4 +13 51 59	RR(B)
V0671 Hya	10 46 26.6	-27 22 35	EB	AQ LMi	09 49 57.5 +40 56 26	LB
V0672 Hya	10 52 43.0	-28 31 56	EA	AR LMi	09 50 42.0 +33 08 17	RR(B)
V0673 Hya	11 05 54.0	-25 57 11	DSCT	AS LMi	09 53 10.0 +33 53 53	EA
V0674 Hya	11 53 36.1	-29 05 53	DSCT	AT LMi	09 53 11.9 +40 08 19	EW
V0675 Hya	13 44 30.5	-27 03 03	EW	AU LMi	09 56 00.7 +40 41 29	BY:
V0676 Hya	14 15 36.7	-28 43 11	SRB	AV LMi	10 05 25.3 +31 49 17	RR(B)
V0677 Hya	14 40 50.7	-26 54 50	RRAB	AW LMi	10 20 00.0 +30 17 54	RRC
V0678 Hya	14 52 46.8	-28 40 20	RRAB	AX LMi	10 20 40.3 +28 37 02	RR(B)
DP Hyi	00 06 20.8	-76 21 48	EW	AY LMi	10 24 22.4 +36 55 24	RRC
DQ Hyi	00 13 26.9	-81 47 43	EA	AZ LMi	10 25 06.2 +30 36 09	RR(B)
DR Hyi	02 07 34.5	-61 16 16	NL	BB LMi	10 47 11.4 +25 33 02	RR(B)
DS Hyi	02 13 01.4	-69 38 44	RRAB	BR Lep	05 31 21.6 -15 40 06	EW
DT Hyi	02 26 43.2	-76 34 38	NA:	BS Lep	05 39 55.2 -12 40 13	EB
DU Hyi	03 55 06.2	-69 23 41	NA	V0369 Lib	14 40 34.2 -13 03 56	EW
OY Leo	09 25 39.2	+06 31 56	EW	V0370 Lib	14 46 04.0 -09 25 10	EA
OZ Leo	09 27 02.8	+16 18 53	EW	V0371 Lib	14 49 57.8 -15 38 29	EB
PP Leo	09 30 57.0	+15 57 14	RRAB	V0372 Lib	14 53 40.0 -01 07 49	EB
PQ Leo	09 32 23.4	+15 55 46	EW	V0373 Lib	15 09 57.5 -11 53 08	EW
PR Leo	09 32 27.7	+13 11 48	EA	V0374 Lib	15 23 31.1 -16 19 26	EB
PS Leo	09 43 11.0	+16 09 54	RR(B)	V0375 Lib	15 37 07.9 -06 06 18	EB
PT Leo	09 44 40.4	+26 32 07	EW	V0376 Lib	15 38 49.8 -10 09 31	EB
PU Leo	09 52 47.2	+10 08 38	EB	V0377 Lib	15 42 01.7 -04 21 51	RR(B)

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V0378 Lib	15 46 20.0 -11 40 32	EW	V1022 Mon	07 38 35.6 -01 47 27	EW
V0379 Lib	15 51 56.6 -18 03 19	RR(B)	V1023 Mon	07 39 17.6 -07 38 47	EB
V0409 Lup	15 11 46.2 -35 47 22	EW	V1024 Mon	07 40 53.6 -01 46 01	EW
V0410 Lup	15 20 22.8 -34 05 13	EW	V1025 Mon	07 48 02.7 -02 45 32	EA
V0407 Lup	15 29 01.8 -44 49 40	NA	V1026 Mon	07 54 18.9 -07 10 43	EB
V0408 Lup	15 38 43.9 -47 44 42	NA	V1027 Mon	07 57 02.4 -03 59 33	EW
LU Lyn	07 20 40.0 +58 22 52	EW	V1028 Mon	08 00 23.4 -04 28 31	EW
LV Lyn	07 44 54.8 +44 29 09	RR(B)	V1029 Mon	08 01 07.4 -06 10 40	EW
LW Lyn	07 54 12.9 +37 34 42	RR(B)	V0357 Mus	11 26 15.0 -65 31 24	NA
LX Lyn	08 01 50.0 +47 14 33	EW	V0358 Mus	11 36 07.9 -74 04 24	DSCT
LY Lyn	08 01 51.5 +41 32 36	EW	V0555 Nor	15 41 45.4 -53 08 07	NA
LZ Lyn	08 05 37.8 +52 21 11	EB	V0557 Nor	15 49 51.7 -54 16 30	UG
MM Lyn	08 08 46.9 +33 54 03	RR(B)	V0558 Nor	16 01 36.2 -54 08 36	LB
MN Lyn	08 09 34.0 +44 34 18	EW	V0556 Nor	16 14 32.9 -53 30 15	NA
MO Lyn	08 10 53.4 +52 56 58	EB	V0559 Nor	16 21 59.1 -51 08 41	NA
MP Lyn	08 11 54.1 +57 31 00	EA	V0560 Nor	16 29 24.7 -59 51 46	IT:
MQ Lyn	08 25 19.8 +37 48 25	RRC	V3667 Oph	16 02 57.7 -07 55 46	EA
MR Lyn	08 48 26.2 +36 20 08	RR(B)	V3668 Oph	16 03 00.0 -06 34 48	EB
MS Lyn	08 51 13.4 +34 44 49	UGSU	V3669 Oph	16 26 40.0 -19 50 17	SR:
MT Lyn	08 56 43.1 +43 20 21	RR(B)	V3670 Oph	16 27 34.6 -16 41 20	SR
MU Lyn	08 57 05.0 +41 46 18	EA	V3671 Oph	16 29 18.7 -21 11 55	SR
MV Lyn	08 58 09.5 +36 31 21	RR(B)	V3672 Oph	16 30 58.2 -17 53 54	LB:
MW Lyn	09 04 04.5 +43 12 57	RRC	V3673 Oph	16 30 59.3 -13 06 33	RRAB
MX Lyn	09 04 21.0 +41 55 13	BY	V3674 Oph	16 31 59.1 -19 32 10	LB:
MY Lyn	09 07 29.3 +42 28 06	RS	V3675 Oph	16 35 01.0 -18 37 44	CWB:
MZ Lyn	09 08 47.1 +42 29 15	RS	V3676 Oph	16 37 27.7 -20 21 10	SR
NN Lyn	09 10 39.9 +45 57 02	EW	V3677 Oph	16 38 01.8 -18 40 09	SR
NO Lyn	09 12 22.6 +40 25 31	BY	V3678 Oph	16 38 20.4 -13 25 01	EB
NP Lyn	09 14 52.4 +34 18 35	DSCT	V3679 Oph	16 39 03.0 -21 06 39	SR
V0997 Mon	06 26 04.6 +01 18 47	EB	V3680 Oph	16 39 37.2 -17 52 59	SR
V0998 Mon	06 27 40.5 -00 35 23	EA	V3681 Oph	16 41 44.4 -12 58 57	SR
V0999 Mon	06 27 56.1 -07 30 59	EW	V3682 Oph	16 42 59.9 -12 30 54	EW
V1000 Mon	06 31 48.6 +07 03 15	EB	V3683 Oph	16 45 45.7 -03 40 30	EA
V1001 Mon	06 35 59.6 +07 45 28	DSCTC	V3684 Oph	16 46 30.8 -08 38 29	EW
V1002 Mon	06 38 45.8 -06 44 10	EA	V3685 Oph	16 47 54.9 -08 44 26	EA
V1003 Mon	06 44 40.7 +00 19 02	EB	V3686 Oph	16 51 00.8 -16 02 18	EA
V1004 Mon	06 48 35.2 -05 34 15	EB	V3687 Oph	16 55 27.7 -04 14 38	EW
V1005 Mon	06 51 14.4 +07 53 58	EA/RS	V3688 Oph	17 00 40.0 +01 10 08	SR
V1006 Mon	06 51 44.7 -00 34 35	EB	V3689 Oph	17 01 21.0 -05 57 57	EB
V1007 Mon	06 54 54.1 +09 07 32	EA	V3690 Oph	17 01 40.1 +04 05 32	SRB
V1008 Mon	06 58 18.5 +10 28 28	EW	V3691 Oph	17 08 19.8 -25 58 33	M
V1009 Mon	07 01 16.8 +07 17 11	EW	V3692 Oph	17 08 21.8 -01 09 22	EW
V1010 Mon	07 02 41.5 -02 35 02	M:	V3693 Oph	17 09 03.8 +00 43 35	RRAB
V1011 Mon	07 06 15.3 -05 45 04	EB	V3665 Oph	17 14 02.5 -28 49 23	NA
V1012 Mon	07 11 42.4 -06 43 29	EW	V3694 Oph	17 18 24.7 -28 49 52	RRC:
V1013 Mon	07 12 10.2 -09 53 54	EW	V3663 Oph	17 18 45.1 -24 54 23	NA
V1014 Mon	07 12 20.8 -05 25 54	EA	V3695 Oph	17 20 05.0 +07 47 30	EW
V1015 Mon	07 12 50.9 -00 22 05	EA	V3664 Oph	17 24 40.0 -24 21 47	N:
V1016 Mon	07 13 15.0 +00 59 39	EW	V3696 Oph	17 28 46.7 +06 07 10	EA
V1017 Mon	07 13 50.4 -06 43 49	EW	V3697 Oph	17 32 19.7 -01 34 12	EA
V1018 Mon	07 14 12.6 -03 41 30	LPB	V3698 Oph	17 32 23.1 -29 48 38	NA
V1019 Mon	07 16 37.5 -07 00 00	EB	V3699 Oph	17 33 50.8 +04 03 11	LB
V1020 Mon	07 35 33.4 -01 54 23	EW	V3661 Oph	17 35 50.4 -29 34 24	NA
V1021 Mon	07 36 13.8 -03 01 23	EB	V3700 Oph	17 36 59.6 -29 51 56	NA

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V3701 Oph	17 36 59.7 -29 08 15	NB	V1069 Per	01 59 35.6 +53 02 49	ELL
V3702 Oph	17 38 17.4 -18 35 27	FU:	V1070 Per	02 26 44.7 +56 50 32	EA
V3662 Oph	17 39 46.1 -24 57 56	NA	V1071 Per	02 32 14.6 +55 56 25	EW
V3703 Oph	17 40 23.6 -01 55 47	EA	V1072 Per	02 41 48.6 +37 28 48	EW
V3666 Oph	17 42 24.1 -20 53 09	NA	V1073 Per	02 44 48.8 +36 34 46	EW
V3704 Oph	17 43 20.3 -04 29 57	XM:	V1074 Per	02 45 47.1 +55 56 56	EB
V3705 Oph	17 52 45.1 +07 00 42	DSCT	V1075 Per	02 58 28.6 +37 09 07	EW
V2829 Ori	04 48 02.7 +09 54 58	EA	V1076 Per	02 58 47.0 +57 12 12	RRC
V2830 Ori	04 59 55.0 +10 17 18	DCEP	V1077 Per	03 00 51.9 +56 42 21	LB
V2831 Ori	05 01 10.6 -02 54 25	EA	V1078 Per	03 04 08.2 +38 30 54	DSCT
V2832 Ori	05 02 00.5 +10 37 23	EW	V1079 Per	03 05 52.4 +56 58 23	BY:
V2833 Ori	05 02 03.7 -02 48 08	EW	V1080 Per	03 06 23.8 +42 51 04	EW
V2834 Ori	05 05 36.2 -02 03 18	RR(B)	V1081 Per	03 06 41.1 +42 47 01	EA
V2835 Ori	05 15 01.1 -02 19 50	EW	V1082 Per	03 07 34.8 +42 33 36	EW
V2836 Ori	05 16 41.0 +05 32 11	EW	V1083 Per	03 08 45.1 +42 37 20	EW
V2837 Ori	05 16 54.1 +03 32 52	EA+NL	V1084 Per	03 08 48.9 +42 33 18	EW
V2838 Ori	05 17 30.8 +13 52 29	EW	V1085 Per	03 09 48.7 +42 49 29	EA
V2839 Ori	05 17 44.8 +01 56 00	EW	V1086 Per	03 09 58.7 +56 59 42	EW
V2840 Ori	05 18 42.3 +14 25 05	EW	V1087 Per	03 10 04.3 +56 36 30	EW
V2841 Ori	05 20 36.8 +03 04 02	EW	V1088 Per	03 10 05.8 +42 25 58	EW
V2842 Ori	05 21 08.2 +03 02 52	EA	V1089 Per	03 11 37.2 +43 22 32	EW
V2843 Ori	05 28 25.9 +09 39 44	EW	V1090 Per	03 22 42.5 +39 06 35	DSCT
V2844 Ori	05 29 25.2 -04 30 45	UVN	V1091 Per	03 25 00.9 +46 04 10	EW
V2845 Ori	05 32 03.1 -06 42 03	UVN	V1092 Per	03 26 38.9 +42 43 25	EW
V2846 Ori	05 32 48.4 -04 41 44	BY+UV	V1093 Per	03 38 30.7 +36 54 46	EW
V2847 Ori	05 33 57.9 -04 35 44	UVN	V1094 Per	03 45 12.3 +39 37 19	EW
V2848 Ori	05 34 22.5 -09 52 56	EA	V1095 Per	03 57 05.3 +32 22 36	EW
V2849 Ori	05 34 49.2 -05 04 38	UVN	V1096 Per	03 57 17.9 +32 06 20	EW
V2850 Ori	05 35 36.7 -03 13 01	UVN	V1097 Per	04 02 52.8 +49 57 53	EB
V2851 Ori	05 35 38.8 -06 08 38	UVN	V1098 Per	04 21 57.8 +47 10 04	EA
V2852 Ori	06 05 26.8 +20 10 23	UV	V1099 Per	04 22 11.3 +31 02 12	UV:
V2853 Ori	06 06 23.1 +08 03 49	RR(B)	V1100 Per	04 35 25.6 +45 01 05	EW
V2854 Ori	06 12 45.2 +11 34 01	EB	V1101 Per	04 35 36.4 +44 52 50	EB
V2855 Ori	06 15 17.7 +06 04 13	DSCT	V1102 Per	04 36 00.1 +44 50 40	EA
V2856 Ori	06 18 55.0 +20 35 55	EA	V1103 Per	04 36 09.6 +44 54 04	EA
V2857 Ori	06 19 43.6 +18 15 19	SR	V1104 Per	04 36 20.2 +44 46 21	DSCTC
V2858 Ori	06 20 48.7 -00 11 09	EW	V1105 Per	04 36 36.0 +44 44 51	EB
V2859 Ori	06 23 34.8 +12 04 47	EA	V1106 Per	04 36 37.0 +45 09 48	EW
V0454 Pav	17 57 03.2 -64 11 02	M	V1107 Per	04 37 02.0 +42 05 52	EA
V0687 Peg	00 07 09.6 +26 21 28	EW	V1108 Per	04 37 22.0 +44 57 48	RRAB
V1055 Per	01 32 18.2 +53 17 49	EA	V1109 Per	04 37 52.9 +44 52 32	EB
V1056 Per	01 34 58.5 +54 16 38	EW	V1110 Per	04 41 33.0 +44 06 14	EW
V1057 Per	01 35 36.8 +54 28 34	DSCTC:	V1111 Per	04 49 57.2 +47 19 44	EB
V1058 Per	01 35 40.6 +54 16 24	EW	BD Pic	05 42 20.0 -59 29 03	EW
V1059 Per	01 35 45.6 +54 23 57	EA	BE Pic	06 45 08.8 -59 06 00	M
V1060 Per	01 35 56.0 +54 11 42	EB	LM Psc	00 34 12.6 +20 52 26	EW
V1061 Per	01 36 09.0 +54 19 57	DSCTC	LN Psc	00 40 50.7 +07 16 14	EW
V1062 Per	01 36 26.0 +54 04 15	DSCTC	LO Psc	00 53 28.2 +25 36 23	EW
V1063 Per	01 37 25.2 +54 18 48	EB	LP Psc	01 02 26.7 +25 23 58	EA
V1064 Per	01 37 42.4 +54 15 05	DSCTC	LQ Psc	01 05 12.4 +12 49 56	EA
V1065 Per	01 37 52.9 +54 22 50	EW	LR Psc	01 06 18.4 +08 46 14	DSCT
V1066 Per	01 37 57.6 +54 09 21	EB	LS Psc	01 45 28.6 +12 54 25	DSCT
V1067 Per	01 38 03.2 +54 05 58	EW	V0736 Pup	07 31 49.9 -50 50 12	SRA
V1068 Per	01 49 56.8 +53 35 02	UG	V0737 Pup	07 32 14.2 -18 43 54	ACV:

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ' "			h m s o ' "	
V0738 Pup	07 39 59.9 -13 53 40	EA	V1669 Sco	16 05 23.2 -28 46 34	SR
V0739 Pup	07 51 27.4 -41 36 15	RRAB	V1670 Sco	16 07 12.6 -28 12 55	SR:
V0740 Pup	07 51 31.2 -14 43 53	EW	V1671 Sco	16 07 59.3 -21 01 12	SR
V0741 Pup	07 55 03.3 -32 46 11	ELL:	V1672 Sco	16 10 25.0 -27 54 18	LB
V0742 Pup	07 55 14.1 -13 30 53	EB	V1673 Sco	16 11 37.6 -26 45 29	SRB
V0743 Pup	07 58 42.2 -25 36 01	RR(B)	V1674 Sco	16 11 59.8 -17 03 14	M
V0744 Pup	08 01 01.2 -45 43 39	ACV:	V1675 Sco	16 12 20.8 -19 49 57	M
V0745 Pup	08 09 45.8 -12 13 25	EW	V1676 Sco	16 13 26.3 -28 07 28	SR:
V0746 Pup	08 16 04.7 -23 07 27	LB:	V1677 Sco	16 13 35.8 -28 47 23	EW
V0747 Pup	08 23 42.2 -13 40 44	EW	V1678 Sco	16 14 51.9 -28 14 38	LB
V0748 Pup	08 23 51.3 -37 03 49	SRB	V1679 Sco	16 15 17.2 -28 35 53	SR
V0749 Pup	08 24 52.4 -11 30 29	EA	V1680 Sco	16 15 22.5 -27 18 21	LB:
V0750 Pup	08 25 41.1 -15 38 15	EW	V1681 Sco	16 15 49.1 -26 43 54	LB:
V0751 Pup	08 25 51.6 -16 22 47	EA	V1682 Sco	16 16 46.5 -20 11 55	M
EH Pyx	09 18 02.4 -30 22 32	RRC	V1683 Sco	16 18 59.6 -11 43 55	LB
V5854 Sgr	17 49 57.3 -29 14 38	N	V1684 Sco	16 19 00.0 -28 36 55	SR
V5858 Sgr	17 50 36.1 -30 01 47	NA	V1685 Sco	16 19 17.5 -18 50 36	SRA
V5859 Sgr	17 52 17.9 -28 27 10	LB	V1686 Sco	16 20 08.4 -20 00 23	LB
V5860 Sgr	17 52 58.2 -27 36 00	CEP(B)	V1687 Sco	16 21 37.7 -20 00 37	SR
V5861 Sgr	17 54 34.8 -23 32 22	NA	V1688 Sco	16 24 50.3 -18 39 22	LB
V5862 Sgr	17 55 20.4 -23 23 55	NA:	V1689 Sco	16 25 15.1 -19 31 21	SR:
V5863 Sgr	17 56 49.4 -27 13 28	NA	V1690 Sco	16 25 45.5 -28 33 31	LB
V5864 Sgr	17 57 11.9 -28 51 48	CEP(B)	V1691 Sco	16 25 56.8 -28 31 41	SRB
V5865 Sgr	17 58 04.8 -29 47 49	M	V1692 Sco	16 26 59.0 -18 53 57	SRB
V5866 Sgr	17 58 18.0 -26 31 52	NA:	V1693 Sco	16 28 41.4 -33 44 20	EW
V5867 Sgr	17 58 28.5 -30 07 29	SRB	V1694 Sco	16 29 18.4 -25 52 12	M
V5868 Sgr	17 58 28.8 -30 01 18	M	V1695 Sco	16 29 53.5 -28 33 50	SR
V5869 Sgr	17 58 39.3 -29 45 06	M	V1696 Sco	16 31 54.9 -28 42 44	SR
V5870 Sgr	17 58 42.6 -30 01 46	M	V1697 Sco	16 34 31.2 -28 32 36	LB:
V5871 Sgr	17 58 57.3 -30 00 30	M	V1698 Sco	16 37 23.7 -28 51 19	LB
V5872 Sgr	17 59 11.6 -29 57 05	M	V1699 Sco	16 41 00.0 -28 27 18	SR:
V5873 Sgr	17 59 17.1 -29 49 29	M	V1662 Sco	16 48 49.7 -44 57 03	NA
V5874 Sgr	17 59 33.8 -29 50 27	SRB	V1657 Sco	16 52 18.6 -37 54 16	N
V5875 Sgr	17 59 38.4 -29 33 22	EA+ZAND:	V1663 Sco	17 03 47.6 -38 16 58	NA
V5876 Sgr	17 59 40.3 -28 41 46	M	V1661 Sco	17 18 06.4 -32 04 28	NA
V5877 Sgr	17 59 43.1 -27 44 19	M	V1656 Sco	17 22 51.5 -31 58 37	NA
V5878 Sgr	17 59 43.2 -28 32 57	M	V1660 Sco	17 30 34.1 -31 06 07	N
V5879 Sgr	17 59 44.2 -30 03 11	M	V1700 Sco	17 33 52.4 -36 37 38	ACV:
V5880 Sgr	17 59 44.6 -28 07 02	M	V1655 Sco	17 38 19.3 -37 25 09	NA
V5881 Sgr	17 59 48.5 -28 12 44	M	V1659 Sco	17 42 57.7 -33 25 43	N
V5882 Sgr	17 59 49.0 -29 55 56	M	V1701 Sco	17 43 33.5 -30 30 29	N:
V5883 Sgr	17 59 49.4 -27 49 29	M	V1702 Sco	17 43 37.4 -40 43 17	M
V5884 Sgr	17 59 51.0 -29 49 45	M	V1658 Sco	17 48 12.8 -32 35 13	NA
V5885 Sgr	17 59 55.4 -29 26 46	M	V1703 Sco	17 50 19.2 -33 39 07	NB:
V5886 Sgr	17 59 59.9 -29 31 05	M	V1704 Sco	17 53 02.4 -38 34 18	M
V5853 Sgr	18 01 07.8 -26 31 43	NA	V1705 Sco	17 56 10.4 -30 04 36	NA
V5857 Sgr	18 04 09.4 -18 03 56	NA	DQ Scl	00 04 50.9 -30 29 56	EW
V5855 Sgr	18 10 28.3 -27 29 59	NA	DR Scl	01 04 57.6 -25 42 06	RRAB
V5856 Sgr	18 20 52.2 -28 22 12	NA	DS Scl	01 06 42.2 -33 08 58	EW
V1664 Sco	15 59 29.1 -27 17 59	SRB	DT Scl	01 09 50.7 -28 32 18	RRAB
V1665 Sco	16 00 15.4 -20 38 44	SRB	V0611 Sct	18 25 29.9 -09 47 33	NA
V1666 Sco	16 02 47.2 -26 25 24	SRB	V0613 Sct	18 29 22.9 -14 30 44	NA
V1667 Sco	16 03 51.4 -14 58 06	EA	V0612 Sct	18 31 45.9 -14 18 56	NB
V1668 Sco	16 05 19.2 -26 02 08	SRB	V0636 Ser	15 11 44.6 +16 54 26	EW

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ′ ″			h m s o ′ ″	
V0637 Ser	15 13 07.6 +12 08 04	RR(B)	DH Tri	01 44 57.5 +33 41 18	EW
V0638 Ser	15 13 22.0 +18 15 58	DSCT	DI Tri	02 10 24.1 +30 13 36	RR(B)
V0639 Ser	15 15 16.3 −00 51 24	RRAB	DK Tri	02 17 24.7 +28 44 30	BY
V0640 Ser	15 16 54.5 +00 48 26	EW	DL Tri	02 17 25.3 +28 44 42	BY
V0641 Ser	15 16 59.7 −00 52 54	RRC:	V0362 TrA	15 24 15.3 −65 48 37	M
V0642 Ser	15 30 14.3 +06 50 52	EA	V0363 TrA	16 23 30.6 −67 20 40	DSCT
V0643 Ser	15 36 02.0 +11 06 59	DSCT	EY Tuc	01 00 53.4 −75 11 54	EW
V0644 Ser	15 39 51.1 +10 54 20	EW	V0431 UMa	08 56 13.8 +69 34 21	EW
V0645 Ser	15 46 13.5 −00 26 06	DSCT	V0432 UMa	08 57 07.4 +49 09 03	RRAB
V0646 Ser	15 49 41.4 +13 59 36	RR(B)	V0433 UMa	09 06 29.0 +49 34 22	EW
V0647 Ser	15 52 51.4 +06 06 06	DSCT	V0434 UMa	09 13 22.8 +51 35 04	EB
V0648 Ser	15 53 23.7 +08 47 22	EA	V0435 UMa	09 18 21.3 +51 07 46	LB
V0649 Ser	15 54 04.4 +18 51 20	RR(B)	V0436 UMa	09 21 02.5 +49 05 54	DSCT
V0650 Ser	15 59 27.7 +05 28 04	EA	V0437 UMa	09 21 40.8 +43 47 48	EB
V0651 Ser	16 00 13.0 +09 23 06	EW	V0438 UMa	09 25 13.0 +45 30 42	EW
V0652 Ser	16 00 33.8 +25 02 13	EW	V0439 UMa	09 28 39.8 +50 44 02	EA
V0653 Ser	16 01 11.9 +25 16 35	EW	V0440 UMa	09 30 02.5 +42 49 31	EW
V0654 Ser	16 08 25.2 +12 19 08	RR(B)	V0441 UMa	09 30 10.7 +53 39 00	EA
V0655 Ser	16 08 39.8 +07 47 23	EA	V0442 UMa	09 30 10.9 +53 38 58	EW
V0656 Ser	16 12 14.4 +03 01 07	EA	V0443 UMa	09 34 43.6 +42 08 32	EW
V0657 Ser	16 17 28.2 −00 53 51	SR	V0444 UMa	09 35 16.0 +49 08 23	EB
V0658 Ser	16 19 53.2 −00 39 34	EA	V0445 UMa	09 35 25.2 +49 38 29	EA/RS
CH Sex	09 42 20.9 −01 06 51	EB	V0446 UMa	09 35 58.8 +49 22 34	EW
CI Sex	09 42 25.0 −10 40 33	EW	V0447 UMa	09 37 23.5 +55 08 48	DSCT
CK Sex	09 47 08.9 −09 39 01	EW	V0448 UMa	09 38 04.0 +41 33 45	RR(B)
CL Sex	09 49 29.1 +05 46 08	EW	V0449 UMa	09 38 42.5 +46 54 17	EW
CM Sex	09 55 01.2 −01 47 46	EW	V0450 UMa	09 42 05.2 +47 22 04	RS
CN Sex	09 56 28.3 +06 03 33	EW	V0451 UMa	09 45 58.2 +45 48 14	EA
CO Sex	09 58 54.2 −02 09 16	EB	V0452 UMa	09 47 50.5 +44 02 38	EW
CP Sex	10 03 29.4 −03 00 47	EW	V0453 UMa	09 47 54.9 +70 01 28	EB
CQ Sex	10 05 39.0 −06 07 07	EW	V0454 UMa	09 49 37.1 +42 34 00	BY
CR Sex	10 08 18.7 −09 22 31	EB	V0455 UMa	09 53 30.3 +44 17 01	BY
CS Sex	10 11 09.1 −08 09 24	EW	V0456 UMa	09 54 02.4 +42 57 18	EW
CT Sex	10 16 06.0 −02 35 24	EB	V0457 UMa	09 54 22.2 +50 56 50	EW
CU Sex	10 16 18.1 −08 55 31	EW	V0458 UMa	09 54 43.3 +43 19 17	EW
CV Sex	10 18 04.2 −04 18 36	EW	V0459 UMa	09 54 59.7 +43 36 27	EA/RS:
CW Sex	10 23 08.5 +00 23 30	RR(B)	V0460 UMa	09 55 39.4 +43 19 18	EA/RS
CX Sex	10 42 07.9 −02 29 57	RR(B)	V0461 UMa	09 56 44.2 +43 00 46	EA
CY Sex	10 44 18.7 −03 18 51	RR(B)	V0462 UMa	09 59 38.1 +43 52 46	RR(B)
CZ Sex	10 45 45.2 −08 35 33	EW	V0463 UMa	10 02 03.7 +46 05 04	ELL
DD Sex	10 47 09.6 −02 06 18	EW	V0464 UMa	10 02 59.6 +45 28 15	RR(B)
DE Sex	10 48 34.0 −03 37 28	EW	V0465 UMa	10 14 06.2 +46 27 01	EB
V1417 Tau	03 36 26.8 +17 26 55	EB	V0466 UMa	10 18 09.5 +64 37 03	EW
V1418 Tau	03 40 39.4 +16 06 20	EA	V0467 UMa	10 19 09.7 +41 46 11	EW
V1419 Tau	03 44 40.0 +03 04 25	EW	V0468 UMa	10 21 35.3 +40 31 41	DSCT
V1420 Tau	03 45 20.7 +16 35 03	EA	V0469 UMa	10 21 40.9 +50 17 33	DSCTC
V1421 Tau	04 21 22.4 +26 05 21	UV	V0470 UMa	10 22 11.4 +45 20 04	RR(B)
V1422 Tau	04 40 42.9 +22 38 12	SR	V0471 UMa	10 24 57.5 +42 40 22	RR(B)
V1423 Tau	05 16 16.8 +18 56 31	EB	V0472 UMa	10 36 13.3 +62 23 39	EW
V1424 Tau	05 17 05.8 +19 05 56	SR	V0473 UMa	10 54 18.8 +43 40 38	RR(B)
V1425 Tau	05 39 52.2 +20 01 10	DSCT	V0474 UMa	10 55 02.5 +61 42 17	DSCT
V1426 Tau	05 47 38.8 +14 37 34	EB	V0475 UMa	11 11 09.1 +32 15 59	RR(B)
V1427 Tau	05 59 20.3 +28 01 39	EB	V0476 UMa	11 21 09.7 +44 08 12	EW
DG Tri	01 32 54.1 +32 29 35	EW	V0477 UMa	11 33 51.9 +44 57 40	RR(B)

Table 1 (Continued)

Name	R.A., Decl., 2000.0	Type	Name	R.A., Decl., 2000.0	Type
	h m s o ′ ″			h m s o ′ ″	
V0478 UMa	11 36 00.0 +51 39 09	EW	V0693 Vir	13 07 10.3 +08 42 09	EW
V0479 UMa	11 38 35.5 +31 57 36	RR(B)	V0694 Vir	13 08 47.9 +14 10 12	RR(B)
V0480 UMa	11 45 36.5 +51 30 41	EW	V0695 Vir	13 10 00.7 +10 45 32	EW
V0481 UMa	11 52 11.0 +55 48 08	RRC	V0696 Vir	13 13 42.5 −10 13 56	RR(B)
V0482 UMa	11 52 24.4 +57 03 04	RRAB	V0697 Vir	13 15 31.0 −14 26 55	EW
V0483 UMa	11 53 04.4 +56 11 40	EA	V0698 Vir	13 16 31.5 +03 01 04	RR(B)
V0484 UMa	11 54 14.0 +52 19 22	BY	V0699 Vir	13 16 41.3 −03 36 15	RR(B)
V0485 UMa	11 54 26.6 +52 41 37	EA	V0700 Vir	13 17 42.9 −00 33 45	EW
V0486 UMa	11 57 53.8 +53 02 48	RRC:	V0701 Vir	13 19 26.3 +08 43 37	EA
V0487 UMa	11 59 23.0 +53 00 21	EA	V0702 Vir	13 20 37.0 +01 09 45	RRAB
V0488 UMa	11 59 27.1 +52 12 24	RRC	V0703 Vir	13 21 53.3 +09 01 31	RR(B)
V0489 UMa	12 00 01.6 +56 13 54	BY	V0704 Vir	13 24 55.1 −16 30 26	RR(B)
V0490 UMa	12 02 38.5 +52 30 08	EA	V0705 Vir	13 26 52.6 +03 54 46	RR(B)
V0491 UMa	12 03 29.7 +53 34 09	RRAB	V0706 Vir	13 27 45.5 +00 19 26	RRAB
V0492 UMa	12 03 32.5 +39 53 38	EW	V0707 Vir	13 28 54.9 +02 26 14	RR(B)
V0493 UMa	12 04 33.0 +55 36 04	RRAB	V0708 Vir	13 31 06.0 +05 23 08	RR(B)
V0494 UMa	12 06 37.4 +55 06 22	EW	V0709 Vir	13 31 15.7 −03 41 08	EB
V0495 UMa	13 03 01.6 +60 01 16	DSCT	V0710 Vir	13 32 31.5 −12 17 42	EA
V0496 UMa	13 21 04.1 +56 09 58	AM	V0711 Vir	13 36 50.2 −11 43 42	RR(B)
V0497 UMa	13 45 21.7 +54 11 52	DSCT	V0712 Vir	13 41 57.4 +05 31 26	EB
V0498 UMa	13 54 35.9 +50 27 15	RRAB	V0713 Vir	13 45 29.6 +00 21 56	RRAB
BC UMi	15 22 39.8 +74 15 17	SXPHE	V0714 Vir	13 48 55.0 +00 46 22	RRC
BD UMi	15 32 57.5 +70 42 16	EA	V0715 Vir	13 51 50.8 −02 12 30	EW
BE UMi	15 43 36.7 +75 15 41	EA+NL	V0716 Vir	13 52 33.4 −00 33 37	RRAB
V0550 Vel	08 21 23.5 −44 23 23	SRA	V0717 Vir	13 55 24.6 −09 13 00	EW
V0549 Vel	08 50 29.6 −47 45 28	NA:	V0718 Vir	13 57 38.2 +00 20 56	RRAB
V0551 Vel	09 23 39.3 −41 26 49	DSCTC	V0719 Vir	13 58 48.6 −15 30 02	EW
V0552 Vel	09 27 10.7 −40 22 05	ACV	V0720 Vir	14 03 12.5 +00 48 03	RRAB
V0553 Vel	10 33 18.4 −52 55 10	ACV:	V0721 Vir	14 06 41.3 +01 08 18	RRAB
V0554 Vel	11 02 39.4 −44 23 57	DSCT	V0722 Vir	14 10 41.7 +01 02 27	EA
V0671 Vir	11 53 26.5 +06 07 56	EW	V0723 Vir	14 11 13.4 +06 40 14	RRC
V0672 Vir	11 53 27.6 +05 51 34	EW	V0724 Vir	14 17 24.6 −00 00 56	RRAB
V0673 Vir	11 55 57.9 +07 20 11	EW	V0725 Vir	14 21 12.3 +00 39 36	RRAB
V0674 Vir	12 12 50.6 −11 39 09	RR(B)	V0726 Vir	14 21 43.4 −00 12 26	EW
V0675 Vir	12 13 08.2 +11 16 59	RR(B)	V0727 Vir	14 23 21.7 −00 07 05	CWB:
V0676 Vir	12 19 34.4 −10 21 44	EW	V0728 Vir	14 23 37.1 +00 25 03	RRAB
V0677 Vir	12 19 44.8 +08 40 56	EA	V0729 Vir	14 24 43.4 +04 38 50	DSCT
V0678 Vir	12 31 48.1 −02 06 02	EW	V0730 Vir	14 25 02.5 −00 53 32	RRC:
V0679 Vir	12 32 11.1 +12 55 57	RR(B)	V0731 Vir	14 25 30.3 −00 51 54	RRAB
V0680 Vir	12 38 15.6 +10 35 31	RR(B)	V0732 Vir	14 29 18.4 −03 26 40	EP
V0681 Vir	12 38 18.7 +09 04 40	RR(B)	V0733 Vir	14 29 42.4 −04 17 08	EW
V0682 Vir	12 38 29.8 +00 20 02	RRC	V0734 Vir	14 29 54.7 +00 18 23	RR(B)
V0683 Vir	12 48 19.4 +07 20 49	UG	V0735 Vir	14 33 52.9 +02 08 00	RR(B)
V0684 Vir	12 51 12.4 +01 28 09	RR(B)	V0736 Vir	14 34 32.6 +01 02 17	RRAB
V0685 Vir	12 53 47.4 +09 43 09	RR(B)	V0737 Vir	14 34 33.4 +01 02 08	RR(B)
V0686 Vir	12 57 52.7 −11 55 12	RR(B)	V0738 Vir	14 40 10.7 +06 17 12	EA
V0687 Vir	12 58 16.0 +10 41 14	EA	V0739 Vir	14 42 44.4 −00 39 55	EA
V0688 Vir	12 59 17.3 +01 02 40	RRAB	V0740 Vir	14 54 14.6 +00 23 10	RRAB
V0689 Vir	12 59 57.8 −06 27 59	EW	V0741 Vir	15 02 57.7 +00 15 36	RRAB
V0690 Vir	13 03 23.5 −14 25 07	EW	V0742 Vir	15 08 17.6 +06 32 14	RR(B)
V0691 Vir	13 05 12.7 +10 28 40	RR(B)	AO Vol	07 05 12.5 −71 48 13	RRAB
V0692 Vir	13 05 29.6 −12 21 49	EA			

Table 2. Novae (Kazarovets and Samus 2017, 2018)

GCVS	Nova name	GCVS	Nova name
V0435 CMa	Nova CMa 2018	V5854 Sgr	OGLE-2016-NOVA-02
V0906 Car	Nova Car 2018	V5855 Sgr	Nova Sgr 2016 No. 3
V1404 Cen	OGLE-2015-NOVA-03	V5856 Sgr	Nova Sgr 2016 No. 4
V1405 Cen	Nova Cen 2017	V5857 Sgr	Nova Sgr 2018
FM Cir	Nova Cir 2018	V1655 Sco	Nova Sco 2016 No. 1
V0407 Lup	Nova Lup 2016	V1656 Sco	Nova Sco 2016 No. 2
V0408 Lup	Nova Lup 2018	V1657 Sco	Nova Sco 2017
V0357 Mus	Nova Mus 2018	V1658 Sco	OGLE-2015-NOVA-01
V0555 Nor	Nova Nor 2016	V1659 Sco	Nova Sco 2016 No. 3
V0556 Nor	Nova Nor 2018	V1660 Sco	Nova Sco 2017
V3661 Oph	Nova Oph 2016	V1661 Sco	Nova Sco 2018 No. 1
V3662 Oph	Nova Oph 2017 No. 1	V1662 Sco	Nova Sco 2018 No. 2
V3663 Oph	Nova Oph 2017 No. 2	V1663 Sco	Nova Sco 2018 No. 3
V3664 Oph	Nova Oph 2018 No. 1	V0611 Sct	Nova Sct 2016
V3665 Oph	Nova Oph 2018 No. 2	V0612 Sct	Nova Sct 2017
V3666 Oph	Nova Oph 2018 No. 3	V0613 Sct	Nova Sct 2018
V5853 Sgr	Nova Sgr 2016 No. 2	V0549 Vel	Nova Vel 2017

Table 3. Novae and rare-type variables in Table 1

GCVS	Nova name	GCVS	Nova name
V0919 Car	OGLE-2014-NOVA-07	V3702 Oph	IRAS 17353–1833 (FU:)
V1427 Cen	OGLE-2014-NOVA-08	V5858 Sgr	OGLE-1997-NOVA-01
V1428 Cen	Nova Cen 2012 No. 2	V5861 Sgr	OGLE-2010-NOVA-01
FO Cir	OGLE-2014-NOVA-09	V5862 Sgr	OGLE-2014-NOVA-01
DT Hyi	OGLE-2013-NOVA-03	V5863 Sgr	OGLE-2012-NOVA-01
DU Hyi	OGLE-2013-NOVA-01	V5866 Sgr	OGLE-2014-NOVA-05
V0559 Nor	VVV-NOV-005 (2010)	V1701 Sco	VVV-NOV-04 (2010)
V3698 Oph	OGLE-2011-NOVA-01	V1703 Sco	OGLE-2011-BLG-1444
V3700 Oph	OGLE-2011-NOVA-02	V1705 Sco	OGLE-2008-NOVA-01
V3701 Oph	OGLE-2010-NOVA-02		

Table 4. New GCVS names for globular-cluster variables

Name (GCVS)	Name in globular cluster	R.A., Decl., 2000.0 h m s o ' "	Type
V0395 Aps	IC 4499 V078	14 58 36.8 -82 11 18	RR(B)
V0396 Aps	IC 4499 V026	14 58 44.9 -82 10 19	RRAB
V0397 Aps	IC 4499 V019	14 58 53.4 -82 13 20	RRAB
V0398 Aps	IC 4499 V153	14 59 10.4 -82 15 47	RRC
V0399 Aps	IC 4499 V046	14 59 12.0 -82 16 57	RRAB
V0400 Aps	IC 4499 V025	14 59 13.6 -82 13 03	RRAB
V0401 Aps	IC 4499 V069	14 59 15.2 -82 12 40	RRC
V0402 Aps	IC 4499 V085	14 59 17.8 -82 07 47	RRAB
V0403 Aps	IC 4499 V109	14 59 20.8 -82 11 20	RR(B)
V0404 Aps	IC 4499 V063	14 59 24.4 -82 14 06	RR(B)
V0405 Aps	IC 4499 V038	14 59 28.3 -82 12 01	RRAB
V0406 Aps	IC 4499 V003	14 59 28.8 -82 14 40	RRAB
V0407 Aps	IC 4499 V089	14 59 37.8 -82 12 57	RRC
V0408 Aps	IC 4499 V016	14 59 37.8 -82 12 01	RRAB
V0409 Aps	IC 4499 V044	14 59 38.8 -82 11 54	RRAB
V0410 Aps	IC 4499 V018	14 59 41.6 -82 13 16	RR(B)
V0411 Aps	IC 4499 V058	14 59 44.5 -82 14 03	RRAB
V0412 Aps	IC 4499 V055	14 59 49.4 -82 13 26	RRC
V0413 Aps	IC 4499 V097	14 59 51.3 -82 14 24	RRC
V0414 Aps	IC 4499 V095	14 59 52.0 -82 12 15	RRC
V0415 Aps	IC 4499 V005	14 59 54.4 -82 13 40	RRAB
V0416 Aps	IC 4499 V024	14 59 54.8 -82 13 24	RRAB
V0417 Aps	IC 4499 V004	14 59 54.8 -82 12 38	RRAB
V0418 Aps	IC 4499 V112	14 59 55.4 -82 11 50	RRAB
V0419 Aps	IC 4499 V056	14 59 55.8 -82 12 45	RRC
V0420 Aps	IC 4499 V020	14 59 56.6 -82 10 14	RRAB
V0421 Aps	IC 4499 V071	14 59 57.2 -82 13 19	RR(B)
V0422 Aps	IC 4499 V084	14 59 58.2 -82 12 11	RRAB
V0423 Aps	IC 4499 V017	15 00 00.1 -82 12 32	RRAB
V0424 Aps	IC 4499 V096	15 00 06.2 -82 12 22	RRC
V0425 Aps	IC 4499 V028	15 00 06.8 -82 13 36	RRAB
V0426 Aps	IC 4499 V057	15 00 07.1 -82 11 57	RRAB
V0427 Aps	IC 4499 V015	15 00 08.4 -82 13 00	RRAB
V0428 Aps	IC 4499 V072	15 00 09.4 -82 14 02	RRAB
V0429 Aps	IC 4499 V006	15 00 09.5 -82 12 17	RRAB
V0430 Aps	IC 4499 V061	15 00 10.4 -82 11 54	RRAB
V0431 Aps	IC 4499 V090	15 00 13.7 -82 13 12	RR(B)
V0432 Aps	IC 4499 V010	15 00 14.9 -82 11 41	RR(B)
V0433 Aps	IC 4499 V172	15 00 17.1 -82 11 34	SXPHE
V0434 Aps	IC 4499 V027	15 00 18.3 -82 10 59	RRAB
V0435 Aps	IC 4499 V007	15 00 18.5 -82 09 22	RRAB
V0436 Aps	IC 4499 V049	15 00 19.4 -82 14 09	RRAB
V0437 Aps	IC 4499 V074	15 00 20.2 -82 11 44	RRAB
V0438 Aps	IC 4499 V037	15 00 20.7 -82 13 48	RRAB
V0439 Aps	IC 4499 V083	15 00 21.4 -82 12 20	RRAB
V0440 Aps	IC 4499 V082	15 00 22.4 -82 12 42	RRAB
V0441 Aps	IC 4499 V106	15 00 22.5 -82 10 26	RRAB
V0442 Aps	IC 4499 V014	15 00 23.8 -82 13 08	RRAB
V0443 Aps	IC 4499 V041	15 00 25.9 -82 09 50	RRAB
V0444 Aps	IC 4499 V167	15 00 26.1 -82 12 35	RRAB
V0445 Aps	IC 4499 V087	15 00 26.2 -82 11 33	RR(B)
V0446 Aps	IC 4499 V031	15 00 26.5 -82 11 14	RR(B)
V0447 Aps	IC 4499 V103	15 00 26.8 -82 11 57	RRC
V0448 Aps	IC 4499 V065	15 00 29.4 -82 14 29	RR(B)

Table 4 (Continued)

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Name         Name in globular  R.A., Decl., 2000.0   Type
(GCVS)       cluster            h  m  s    o  '  "
V0449 Aps    IC  4499 V093     15 00 29.5 -82 13 22   RR(B)
V0450 Aps    IC  4499 V029     15 00 32.5 -82 13 02   RRC
V0451 Aps    IC  4499 V047     15 00 32.5 -82 14 23   RRAB
V0452 Aps    IC  4499 V013     15 00 33.8 -82 13 06   RRAB
V0453 Aps    IC  4499 V002     15 00 34.3 -82 14 24   RRAB
V0454 Aps    IC  4499 V081     15 00 34.8 -82 13 00   RRC
V0455 Aps    IC  4499 V080     15 00 35.9 -82 17 33   RRAB
V0456 Aps    IC  4499 V052     15 00 37.8 -82 09 54   RRAB
V0457 Aps    IC  4499 V111     15 00 40.6 -82 15 28   RRC
V0458 Aps    IC  4499 V171     15 00 42.3 -82 13 45   RRC
V0459 Aps    IC  4499 V048     15 00 43.3 -82 12 51   RRAB
V0460 Aps    IC  4499 V009     15 00 44.3 -82 11 01   RRAB
V0461 Aps    IC  4499 V051     15 00 44.4 -82 12 38   RR(B)
V0462 Aps    IC  4499 V070     15 00 44.6 -82 13 06   RRAB
V0463 Aps    IC  4499 V059     15 00 47.6 -82 13 30   RR(B)
V0464 Aps    IC  4499 V033     15 00 48.2 -82 17 21   RRAB
V0465 Aps    IC  4499 V077     15 00 49.0 -82 11 56   RRC
V0466 Aps    IC  4499 V021     15 00 49.7 -82 10 21   RR(B)
V0467 Aps    IC  4499 V043     15 00 50.0 -82 16 41   RRAB
V0468 Aps    IC  4499 V032     15 00 50.1 -82 12 58   RRC
V0469 Aps    IC  4499 V088     15 00 51.8 -82 11 55   RRAB
V0470 Aps    IC  4499 V008     15 00 52.3 -82 11 09   RR(B)
V0471 Aps    IC  4499 V001     15 00 53.0 -82 12 50   RRAB
V0472 Aps    IC  4499 V030     15 00 54.2 -82 13 19   RRAB
V0473 Aps    IC  4499 V045     15 00 55.7 -82 08 34   RRAB
V0474 Aps    IC  4499 V064     15 00 56.1 -82 11 50   RRAB
V0475 Aps    IC  4499 V034     15 00 57.7 -82 14 49   RRAB
V0476 Aps    IC  4499 V023     15 00 58.3 -82 13 23   RRAB
V0477 Aps    IC  4499 V011     15 00 59.0 -82 13 15   RRAB
V0478 Aps    IC  4499 V050     15 01 03.1 -82 13 33   RRAB
V0479 Aps    IC  4499 V054     15 01 04.8 -82 16 44   RRAB
V0480 Aps    IC  4499 V012     15 01 05.1 -82 11 43   RRAB
V0481 Aps    IC  4499 V040     15 01 06.3 -82 08 03   RRAB
V0482 Aps    IC  4499 V092     15 01 07.8 -82 10 27   RRC
V0483 Aps    IC  4499 V042     15 01 08.4 -82 13 09   RR(B)
V0484 Aps    IC  4499 V108     15 01 10.9 -82 12 38   RRAB
V0485 Aps    IC  4499 V066     15 01 14.1 -82 11 25   RRAB
V0486 Aps    IC  4499 V053     15 01 14.6 -82 14 36   RRAB
V0487 Aps    IC  4499 V036     15 01 30.0 -82 12 36   RRAB
V0488 Aps    IC  4499 V073     15 02 16.1 -82 17 18   RR(B)
V0489 Aps    IC  4499 V098     15 02 17.0 -82 13 21   RRC
V0490 Aps    IC  4499 V062     15 02 20.5 -82 14 02   RRAB
V0491 Aps    IC  4499 V022     15 02 23.0 -82 11 31   RRAB
V0492 Aps    IC  4499 V076     15 02 45.4 -82 07 37   RRAB

V0493 Aps    NGC 6101 V016     16 24 45.7 -72 15 03   RRC
V0494 Aps    NGC 6101 V017     16 25 04.9 -72 07 11   RRC:
V0495 Aps    NGC 6101 V022     16 25 17.1 -72 11 41   RRC
V0496 Aps    NGC 6101 V007     16 25 19.7 -72 10 51   RRC
V0497 Aps    NGC 6101 V018     16 25 27.6 -72 16 14   RRC
V0498 Aps    NGC 6101 V010     16 25 30.3 -72 12 48   RRC
V0499 Aps    NGC 6101 V019     16 25 34.0 -72 08 59   RRC
V0500 Aps    NGC 6101 V009     16 25 48.4 -72 11 26   RRC
V0501 Aps    NGC 6101 V006     16 25 50.4 -72 11 10   RRC
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Table 4 (Continued)

Name (GCVS)	Name in globular cluster	R.A., Decl., 2000.0 h m s o , "	Type
V0502 Aps	NGC 6101 V002	16 26 01.7 -72 13 30	RRC
V0503 Aps	NGC 6101 V001	16 26 02.7 -72 11 14	RRC
V0504 Aps	NGC 6101 V020	16 26 05.8 -72 12 13	RRAB
V0505 Aps	NGC 6101 V003	16 26 12.3 -72 13 00	RRAB
V0506 Aps	NGC 6101 V004	16 26 15.8 -72 11 53	RRC
V0507 Aps	NGC 6101 V008	16 26 22.7 -72 11 28	RRC
V0508 Aps	NGC 6101 V005	16 26 29.2 -72 09 51	RRC
V0509 Aps	NGC 6101 V021	16 26 57.3 -72 08 50	RRC
V0510 Aps	NGC 6101 V011	16 28 11.2 -71 57 43	RRAB:
V1052 Ara	NGC 6352 V004	17 25 24.7 -48 26 58	SRB
V1053 Ara	NGC 6352 V005	17 25 37.5 -48 22 10	SR
V1054 Ara	NGC 6362 V077	17 30 51.2 -66 55 29	EA
V1055 Ara	NGC 6362 V045	17 30 52.7 -66 58 59	EW
V1056 Ara	NGC 6362 V025	17 30 54.4 -67 06 19	RRAB
V1057 Ara	NGC 6362 V076	17 31 04.3 -67 03 24	EA
V1058 Ara	NGC 6362 V042	17 31 09.0 -66 51 39	EA
V1059 Ara	NGC 6362 V008	17 31 10.1 -67 01 01	RRC
V1060 Ara	NGC 6362 V012	17 31 13.1 -67 04 31	RRAB
V1061 Ara	NGC 6362 V075	17 31 14.3 -66 55 28	BY
V1062 Ara	NGC 6362 V013	17 31 15.1 -67 04 48	RRAB
V1063 Ara	NGC 6362 V073	17 31 16.9 -67 03 36	EA
V1064 Ara	NGC 6362 V074	17 31 17.6 -66 59 58	EW
V1065 Ara	NGC 6362 V027	17 31 21.6 -66 56 28	RRC
V1066 Ara	NGC 6362 V072	17 31 29.0 -67 02 34	SXPHE
V1067 Ara	NGC 6362 V037	17 31 32.2 -67 02 04	RR:
V1068 Ara	NGC 6362 V041	17 31 35.4 -67 04 03	EA
V1069 Ara	NGC 6362 V071	17 31 36.6 -67 02 14	EA
V1070 Ara	NGC 6362 V070	17 31 38.9 -67 02 54	EW
V1071 Ara	NGC 6362 V030	17 31 39.6 -67 01 34	RRAB
V1072 Ara	NGC 6362 V003	17 31 40.9 -67 04 16	RR(B)
V1073 Ara	NGC 6362 V036	17 31 43.6 -67 02 17	RRC
V1074 Ara	NGC 6362 V038	17 31 43.6 -67 02 58	SXPHE
V1075 Ara	NGC 6362 V069	17 31 43.7 -67 01 47	BY
V1076 Ara	NGC 6362 V068	17 31 44.9 -67 03 21	BY:
V1077 Ara	NGC 6362 V067	17 31 45.5 -67 04 26	EW
V1078 Ara	NGC 6362 V065	17 31 47.7 -67 03 53	EA
V1079 Ara	NGC 6362 V066	17 31 48.0 -67 01 58	EA
V1080 Ara	NGC 6362 V031	17 31 49.2 -67 01 21	RRAB
V1081 Ara	NGC 6362 V011	17 31 49.9 -67 01 58	RRC
V1082 Ara	NGC 6362 V002	17 31 50.2 -67 04 25	RRAB
V1083 Ara	NGC 6362 V029	17 31 52.5 -67 03 20	RRAB
V1084 Ara	NGC 6362 V034	17 31 52.8 -67 03 35	RRB01:
V1085 Ara	NGC 6362 V001	17 31 54.8 -67 02 46	RRAB
V1086 Ara	NGC 6362 V016	17 31 58.1 -67 07 12	RRAB
V1087 Ara	NGC 6362 V064	17 31 58.2 -67 03 46	SXPHE
V1088 Ara	NGC 6362 V007	17 31 58.5 -67 01 01	RRAB
V1089 Ara	NGC 6362 V026	17 31 58.9 -67 03 22	RRAB
V1090 Ara	NGC 6362 V028	17 31 59.2 -67 02 08	RRC
V1091 Ara	NGC 6362 V048	17 31 59.8 -67 03 50	SXPHE
V1092 Ara	NGC 6362 V023	17 32 00.1 -67 03 08	RRC
V1093 Ara	NGC 6362 V032	17 32 01.8 -67 02 13	RRAB
V1094 Ara	NGC 6362 V020	17 32 02.6 -67 02 59	RRAB

Table 4 (Continued)

Name (GCVS)	Name in globular cluster	R.A., Decl., 2000.0 h m s o ' "	Type
V1095 Ara	NGC 6362 V015	17 32 03.5 -67 02 44	RRC
V1096 Ara	NGC 6362 V063	17 32 03.5 -67 08 22	EB
V1097 Ara	NGC 6362 V006	17 32 03.8 -66 59 52	RRC
V1098 Ara	NGC 6362 V040	17 32 04.1 -67 03 46	EA
V1099 Ara	NGC 6362 V062	17 32 05.8 -67 03 08	EA
V1100 Ara	NGC 6362 V024	17 32 07.2 -67 03 21	RRC
V1101 Ara	NGC 6362 V035	17 32 08.2 -67 03 03	RRC
V1102 Ara	NGC 6362 V039	17 32 08.5 -67 03 15	EW
V1103 Ara	NGC 6362 V005	17 32 08.8 -67 02 59	RRAB
V1104 Ara	NGC 6362 V047	17 32 13.0 -67 02 38	SXPHE
V1105 Ara	NGC 6362 V018	17 32 13.6 -67 01 34	RRAB
V1106 Ara	NGC 6362 V019	17 32 16.0 -67 03 10	RRAB
V1107 Ara	NGC 6362 V061	17 32 18.1 -67 03 39	BY:
V1108 Ara	NGC 6362 V021	17 32 22.6 -67 04 31	RRC
V1109 Ara	NGC 6362 V060	17 32 23.3 -66 55 27	BY
V1110 Ara	NGC 6362 V049	17 32 24.1 -67 04 00	EB
V1111 Ara	NGC 6362 V059	17 32 24.7 -67 06 41	ELL
V1112 Ara	NGC 6362 V046	17 32 25.0 -67 00 31	SXPHE
V1113 Ara	NGC 6362 V010	17 32 26.1 -66 56 53	RRC
V1114 Ara	NGC 6362 V022	17 32 26.7 -67 07 55	RRC
V1115 Ara	NGC 6362 V058	17 32 28.1 -67 08 44	BY
V1116 Ara	NGC 6362 V017	17 32 29.5 -67 03 51	RRC
V1117 Ara	NGC 6362 V057	17 32 46.1 -66 55 33	BY:
V1118 Ara	NGC 6362 V033	17 32 47.9 -66 56 36	RRC
V1119 Ara	NGC 6362 V056	17 32 52.8 -66 58 28	EW
V1120 Ara	NGC 6362 V054	17 32 54.0 -67 05 56	EA
V1121 Ara	NGC 6362 V055	17 32 54.1 -66 55 36	ELL
V1122 Ara	NGC 6362 V014	17 32 58.0 -67 02 13	RRC
V1123 Ara	NGC 6362 V053	17 33 09.8 -66 51 22	EW
V1124 Ara	NGC 6362 V052	17 33 10.7 -67 13 17	EW
V1125 Ara	NGC 6362 V044	17 33 26.0 -66 53 44	RRAB
V1126 Ara	NGC 6362 V043	17 34 03.3 -66 52 54	EW
V1127 Ara	NGC 6397 V009	17 40 02.2 -53 35 45	EW
V1128 Ara	NGC 6397 V010	17 40 37.6 -53 40 36	SXPHE
V1129 Ara	NGC 6397 V024	17 40 39.0 -53 40 23	GDOR:
V1130 Ara	NGC 6397 V023	17 40 39.2 -53 40 47	SXPHE
V1131 Ara	NGC 6397 V008	17 40 39.3 -53 38 47	EW
V1132 Ara	NGC 6397 V032	17 40 40.3 -53 41 25	EA:
V1133 Ara	NGC 6397 V022	17 40 41.2 -53 40 42	RR(B):
V1134 Ara	NGC 6397 V021	17 40 41.4 -53 40 24	SXPHE
V1135 Ara	NGC 6397 V012	17 40 41.4 -53 40 20	EW:
V1136 Ara	NGC 6397 V020	17 40 41.5 -53 40 34	GDOR:
V1137 Ara	NGC 6397 V034	17 40 42.3 -53 40 29	UG
V1138 Ara	NGC 6397 V031	17 40 42.6 -53 40 27	ELL:
V1139 Ara	NGC 6397 V033	17 40 42.6 -53 40 19	NL
V1140 Ara	NGC 6397 V019	17 40 42.8 -53 40 23	EW
V1141 Ara	NGC 6397 V035	17 40 43.3 -53 41 55	ELL:
V1142 Ara	NGC 6397 V018	17 40 43.6 -53 40 28	EA
V1143 Ara	NGC 6397 V007	17 40 43.8 -53 40 35	EW
V1144 Ara	NGC 6397 V017	17 40 43.8 -53 41 16	ELL:
V1145 Ara	NGC 6397 V011	17 40 44.1 -53 40 40	SXPHE
V1146 Ara	NGC 6397 V016	17 40 44.6 -53 40 42	ELL
V1147 Ara	NGC 6397 V015	17 40 45.4 -53 40 25	SXPHE

Table 4 (Continued)

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Name         Name in globular  R.A., Decl., 2000.0   Type
(GCVS)       cluster            h  m  s      o  '  "
V1148 Ara    NGC 6397 V014     17 40 46.3 -53 41 16   E
V1149 Ara    NGC 6397 V013     17 40 48.8 -53 39 49   EW
V1150 Ara    NGC 6397 V006     17 40 53.4 -53 43 40   EW:
V1151 Ara    NGC 6397 V030     17 40 54.6 -53 40 45   EA:
V1152 Ara    NGC 6397 V029     17 40 59.6 -53 40 39   ELL:
V1153 Ara    NGC 6397 V028     17 41 02.7 -53 39 47   SR:
V1154 Ara    NGC 6397 V005     17 41 05.5 -53 33 36   EA:
V1155 Ara    NGC 6397 V004     17 41 08.8 -53 42 34   EW
V1156 Ara    NGC 6397 V027     17 41 13.8 -53 41 14   ELL:


V1902 Aql    NGC 6749 V001     19 05 20.0 +01 55 57   CWB


V1903 Aql    NGC 6760 V002     19 11 11.9 +01 00 16   SRB:
V1904 Aql    NGC 6760 V003     19 11 14.3 +01 01 47   M
V1905 Aql    NGC 6760 V004     19 11 15.0 +01 02 37   M
V1906 Aql    NGC 6760 V001     19 11 16.0 +01 00 59   LB:


V0384 Aqr    NGC 6981 V032     20 53 18.8 -12 33 02   RRAB
V0385 Aqr    NGC 6981 V025     20 53 18.9 -12 31 14   RRC
V0386 Aqr    NGC 6981 V004     20 53 20.8 -12 31 43   RRAB
V0387 Aqr    NGC 6981 V023     20 53 21.1 -12 30 22   RRAB
V0388 Aqr    NGC 6981 V021     20 53 22.4 -12 32 06   RRAB
V0389 Aqr    NGC 6981 V015     20 53 23.8 -12 32 39   RRAB
V0390 Aqr    NGC 6981 V020     20 53 24.2 -12 32 04   RRAB
V0391 Aqr    NGC 6981 V055     20 53 24.4 -12 31 27   SXPHE
V0392 Aqr    NGC 6981 V003     20 53 24.6 -12 33 17   RRAB
V0393 Aqr    NGC 6981 V010     20 53 24.8 -12 33 31   RRAB
V0394 Aqr    NGC 6981 V005     20 53 25.6 -12 32 42   RRAB
V0395 Aqr    NGC 6981 V029     20 53 25.8 -12 33 12   RRAB
V0396 Aqr    NGC 6981 V018     20 53 26.2 -12 32 55   RRAB
V0397 Aqr    NGC 6981 V048     20 53 26.4 -12 32 27   RRAB
V0398 Aqr    NGC 6981 V036     20 53 27.0 -12 32 17   RRAB
V0399 Aqr    NGC 6981 V053     20 53 27.0 -12 32 17   RRAB
V0400 Aqr    NGC 6981 V014     20 53 27.2 -12 31 43   RRAB
V0401 Aqr    NGC 6981 V024     20 53 27.2 -12 32 42   RRC
V0402 Aqr    NGC 6981 V057     20 53 27.3 -12 32 13   RRC
V0403 Aqr    NGC 6981 V043     20 53 27.4 -12 32 22   RRC
V0404 Aqr    NGC 6981 V008     20 53 27.6 -12 30 48   RRAB
V0405 Aqr    NGC 6981 V007     20 53 27.8 -12 31 19   RRAB
V0406 Aqr    NGC 6981 V016     20 53 27.9 -12 32 37   RRAB
V0407 Aqr    NGC 6981 V052     20 53 27.9 -12 32 02   RRAB
V0408 Aqr    NGC 6981 V044     20 53 28.0 -12 32 30   RRAB
V0409 Aqr    NGC 6981 V031     20 53 28.2 -12 31 43   RRAB
V0410 Aqr    NGC 6981 V017     20 53 28.2 -12 33 00   RRAB
V0411 Aqr    NGC 6981 V050     20 53 28.2 -12 31 58   RRAB
V0412 Aqr    NGC 6981 V049     20 53 28.3 -12 32 11   RRAB
V0413 Aqr    NGC 6981 V051     20 53 28.4 -12 32 32   RRAB
V0414 Aqr    NGC 6981 V012     20 53 28.6 -12 32 39   RRC
V0415 Aqr    NGC 6981 V009     20 53 28.6 -12 31 28   RRAB
V0416 Aqr    NGC 6981 V054     20 53 28.6 -12 32 02   SXPHE
V0417 Aqr    NGC 6981 V045     20 53 28.7 -12 32 20   RRC
V0418 Aqr    NGC 6981 V042     20 53 28.8 -12 32 17   LB:
V0419 Aqr    NGC 6981 V013     20 53 28.9 -12 32 02   RRAB
V0420 Aqr    NGC 6981 V056     20 53 28.9 -12 33 06   SXPHE
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Table 4 (Continued)

Name (GCVS)	Name in globular cluster	R.A., Decl., 2000.0 h m s o ' "	Type
V0421 Aqr	NGC 6981 V046	20 53 29.0 -12 32 26	RRC
V0422 Aqr	NGC 6981 V047	20 53 29.7 -12 32 26	RRAB:
V0423 Aqr	NGC 6981 V001	20 53 31.1 -12 33 12	RRAB
V0424 Aqr	NGC 6981 V011	20 53 32.0 -12 32 52	RRAB
V0425 Aqr	NGC 6981 V028	20 53 32.2 -12 30 56	RRAB
V0426 Aqr	NGC 6981 V002	20 53 34.6 -12 29 02	RRAB
V0427 Aqr	NGC 6981 V039	20 53 41.0 -12 28 16	RRAB
V0428 Aqr	NGC 6981 V027	20 53 42.6 -12 36 07	RRAB
V0429 Aqr	NGC 6981 V035	20 53 43.6 -12 31 52	RRAB
V0430 Aqr	NGC 6981 V060	20 53 46.6 -12 27 32	RRAB
V0431 Aqr	NGC 6981 V059	20 53 48.9 -12 36 45	RRAB
V0432 Aqr	NGC 7089 V018	21 33 14.0 -01 01 05	RRC
V0433 Aqr	NGC 7089 V009	21 33 15.2 -00 51 24	RRAB
V0434 Aqr	NGC 7089 V013	21 33 21.5 -00 48 03	RRAB
V0435 Aqr	NGC 7089 V008	21 33 22.3 -00 50 12	RRAB
V0436 Aqr	NGC 7089 V029	21 33 22.5 -00 50 52	RRC
V0437 Aqr	NGC 7089 V012	21 33 22.6 -00 48 33	RRAB
V0438 Aqr	NGC 7089 V027	21 33 23.2 -00 47 14	RRC
V0439 Aqr	NGC 7089 V033	21 33 23.4 -00 49 35	RRC
V0440 Aqr	NGC 7089 V002	21 33 23.7 -00 48 05	RRAB
V0441 Aqr	NGC 7089 V005	21 33 23.8 -00 49 13	CWA
V0442 Aqr	NGC 7089 V016	21 33 24.6 -00 49 39	RRAB
V0443 Aqr	NGC 7089 V004	21 33 24.7 -00 48 45	RRAB
V0444 Aqr	NGC 7089 V040	21 33 25.6 -00 49 16	RRAB:
V0445 Aqr	NGC 7089 V037	21 33 26.0 -00 49 18	RRAB
V0446 Aqr	NGC 7089 V025	21 33 26.9 -00 49 56	RRAB
V0447 Aqr	NGC 7089 V022	21 33 26.9 -00 48 33	RRAB
V0448 Aqr	NGC 7089 V017	21 33 27.0 -00 50 18	RRAB
V0449 Aqr	NGC 7089 V028	21 33 27.4 -00 47 36	RRAB
V0450 Aqr	NGC 7089 V039	21 33 27.4 -00 50 07	RRAB
V0451 Aqr	NGC 7089 V006	21 33 27.5 -00 50 00	CWA
V0452 Aqr	NGC 7089 V024	21 33 27.7 -00 51 05	RRC
V0453 Aqr	NGC 7089 V035	21 33 27.9 -00 47 32	RRC
V0454 Aqr	NGC 7089 V041	21 33 28.0 -00 49 24	RRAB
V0455 Aqr	NGC 7089 V042	21 33 28.4 -00 49 55	RRC
V0456 Aqr	NGC 7089 V001	21 33 28.5 -00 47 55	CWA
V0457 Aqr	NGC 7089 V032	21 33 30.1 -00 49 58	RRC
V0458 Aqr	NGC 7089 V031	21 33 30.2 -00 49 19	RRAB
V0459 Aqr	NGC 7089 V036	21 33 30.7 -00 49 13	RRC
V0460 Aqr	NGC 7089 V038	21 33 31.2 -00 49 24	RRAB
V0461 Aqr	NGC 7089 V034	21 33 31.3 -00 49 57	RRC
V0462 Aqr	NGC 7089 V026	21 33 31.6 -00 49 23	RRC
V0463 Aqr	NGC 7089 V056	21 33 31.6 -00 50 13	SXPHE
V0464 Aqr	NGC 7089 V015	21 33 32.2 -00 50 30	RRC
V0465 Aqr	NGC 7089 V014	21 33 32.4 -00 50 21	RRAB
V0466 Aqr	NGC 7089 V011	21 33 32.4 -00 49 06	RV
V0467 Aqr	NGC 7089 V023	21 33 32.5 -00 50 03	RRAB
V0468 Aqr	NGC 7089 V010	21 33 32.7 -00 48 35	RRAB
V0469 Aqr	NGC 7089 V030	21 33 32.9 -00 48 31	RRC
V0470 Aqr	NGC 7089 V007	21 33 37.0 -00 52 23	RRAB
V0471 Aqr	NGC 7089 V003	21 33 41.6 -00 49 53	RRAB
V0472 Aqr	NGC 7089 V019	21 33 42.8 -00 57 44	RRC
V0473 Aqr	NGC 7089 V021	21 33 49.0 -00 45 45	RRAB

Table 4 (Continued)

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Name           Name in globular  R.A., Decl., 2000.0    Type
(GCVS)         cluster             h  m   s     o  '  "
V0474 Aqr      NGC 7089 V020     21 33 53.1 -00 47 57   RRC


V0475 Aqr      NGC 7492 V007     23 08 19.8 -15 37 34   SXPHE
V0476 Aqr      NGC 7492 V004     23 08 23.2 -15 39 06   SR:
V0477 Aqr      NGC 7492 V002     23 08 25.0 -15 35 53   RRC
V0478 Aqr      NGC 7492 V001     23 08 26.7 -15 34 59   RRAB
V0479 Aqr      NGC 7492 V006     23 08 29.1 -15 36 51   SXPHE
V0480 Aqr      NGC 7492 V003     23 08 29.3 -15 41 46   RRC
V0481 Aqr      NGC 7492 V005     23 08 39.0 -15 34 36   L:
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