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THE 74TH SPECIAL NAME-LIST OF VARIABLE STARS

A.V. KAZAROVETS¹, N.N. SAMUS¹, O.V. DURLEVICH², M.S. FROLOV¹, S.V. ANTIPIN²,
N.N. KIREEVA¹, E.N. PASTUKHOVA¹

¹ Institute of Astronomy of Russian Academy of Sciences, 48, Pyatnitskaya Str., Moscow 109017, Russia

² Sternberg Astronomical Institute, Moscow University, 13, University Ave., Moscow 119899, Russia

This Name-list is a rather unusual one. In November, 1996, the General Catalogue of Variable Stars (GCVS) team was contacted by Dr. M. Grenon representing the compilers of the Hipparcos catalogue and suggested to give GCVS names to 5665 variable stars discovered by the Hipparcos mission, so that these stars will appear in the Hipparcos catalogue already along with their final GCVS designations. Within one month, we selected Hipparcos variables satisfying GCVS criteria and designated 3157 objects as GCVS stars (ESA, 1997). However, the preparation of the 74th Name-list, which is the largest Name-list in the history of the GCVS, took considerable time:

— We checked identifications of Hipparcos variables with the NSV catalog, revealed a number of missing identifications, and complemented Hipparcos results with information from our files for NSV stars. We also identified Hipparcos variables with our supplementary lists of suspected variables (the basis of the Supplement to the NSV Catalogue, Kazarovets et al., 1998).

— We thoroughly reconsidered classification of Hipparcos variable stars according to the GCVS criteria (Kholopov, 1985; Kholopov et al., 1987, 1989; Kazarovets and Samus, 1995). In many cases, we disagreed in classification with the Hipparcos team. In particular, we felt cautious about short (several days) periods found by Hipparcos team for many variable red giants and preferred to classify them as probable red irregulars or semiregulars. On another hand, the Hipparcos results clearly show that the existing GCVS classification system is insufficient. For example, we found difficulties in classifying variable red subgiants, a type of variable stars not clearly recognized before the Hipparcos mission. However, no new types of variable stars are introduced in the present Name-list; the revision of the classification system is a task for future research.

— We retrieved SIMBAD identifications for Hipparcos variables, checked many of them (more than 500 mistakes in the SIMBAD data base were revealed in this process; a list of suggested corrections will be published elsewhere), added identifications with the Hubble Space Telescope Guide Star Catalog (GSC). The list of Hipparcos variables was identified with existing catalogues of spectroscopic variables; as a result, several stars were reclassified from pulsating stars to ellipsoidal variables. The extreme case of V1472 Aql, reclassified from a red semiregular variable to a possible eclipser, was described by Samus (1997). Special effort was spent for components of double stars, where much confusion in identifications occurs. For stars in open clusters, we tried to retain numbers in the system

of J.-P. Mermilliod's data base (BDA) from several numbers suggested by SIMBAD in some cases. This part of our work was the most time-consuming.

The printed version of the 74th Name-list consists of a single (main) table and a list of remarks. The electronic supplement to the Name-list (available via ftp from Sternberg Astronomical Institute) also presents the table of identifications.

The main table of the Name-list presents new variable stars arranged in the order of their HIP (Hipparcos catalogue) numbers, which are in the order of right ascensions for the equinox 2000.0. However, the GCVS names within each constellation are introduced in the order of right ascensions for the equinox B1950.0; we retain this equinox until a new GCVS version, with accurate 2000.0 coordinates, is ready. In the printed version, the table contains: Hipparcos catalogue numbers; new GCVS names; variability types adopted by us. An asterisk after the name of a star means that a remark for the star follows the table. In the electronic version, this table contains also truncated coordinates (equinox 1950.0; in vast majority of cases, the epoch is also 1950.0 — this may be not so only for stars lacking astrometric solution in the Hipparcos catalogue and having no published proper motions in other sources known to us); limits of variability (in the Hipparcos magnitude system, rounded to 0.01; for some stars, the range of variability adopted by us is wider than that given in the Hipparcos catalogue, in accordance with light curves; for several stars, a still wider range follows from observations published elsewhere, such magnitudes are followed by the letter V for *V* magnitudes or P for photographic magnitudes). A significant deviation from the format of the previous Name-lists is the absence of two columns with references to the literature; the main source of data is the Hipparcos catalog (ESA, 1997), which also contains finding charts.

The table of identifications (in the electronic version only) presents, along with Hipparcos numbers and GCVS names, designations from a number of important astronomical catalogues (Bayer designations and Flamsteed numbers; Bright Star Catalogue numbers, BS = HR; Bonner, Cordoba, and Cape Durchmusterung numbers; SAO, PPM, GSC numbers; IRC, CRL, and IRAS designations of infrared surveys; designations from catalogues of double stars, nearby stars, large-proper-motion stars, carbon stars, zirconium stars; preliminary designations of suspected variable stars, their NSV Catalogue and CSV numbers, etc.). In the readme file, a more detailed description of this table, along with the list of catalogues, is presented. We would like to warn the users that, despite our considerable effort to check identifications, this table is substantially based, in its contents and completeness, upon data from SIMBAD.

Of the 2417 stars from the Hipparcos list of new variable stars not included into the present Name-list, 91 are already contained in the GCVS; the rest of objects do not meet some of the GCVS naming criteria, they appear in the Supplement to the NSV Catalogue (Kazarovets et al., 1998) or are already present in the NSV catalogue (Kholopov, 1982).

The electronic version of the 74th Name-list of variable stars can be found at <ftp://ftp.sai.msu.su/pub/groups/cluster/gcvs/gcvs/nl74>. The readme file contains, in particular, a detailed byte-by-byte description of the tables.

We gratefully acknowledge the use of the SIMBAD data base and of the BDA data base for open clusters during preparation of this Name-list. This study was partially supported by the ESA, by the Russian Foundation of Basic Research (grant 97-02-16739), by the Russian Federal Scientific Programme "Astronomy", and by the Russian Council for Support of Leading Scientific Schools (grant 96-15-96656).

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Table 1: GCVS Names for Hipparcos Variables

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
40	V463 Cep	E:	1805	V745 Cas*	EB	4304	CL Psc	LB:
76	V401 And	LB:	1808	CK Cet	EB	4316	CM Psc	SR:
109	DR Psc	DSCTC	1843	CC Psc	SRB:	4328	BV Phe	BY:
181	V822 Cas	SRB	1880	BP Phe	LB:	4406	CX Tuc	LB:
215	V396 Cep	LB:	1921	V746 Cas*	LBV	4433	CN Psc	SRB
270	V397 Cep	EA	1938	CD Psc	SRD:	4448	BW Phe	BY:
302	V398 Cep	SRB	1941	CE Psc	SRB	4451	V758 Cas	LB:
316	NN Peg	DSCTC	1993	CT Tuc	BY:	4452	CO Psc	LB:
336	V739 Cas	LB	2005	BQ Phe	SXPHE:	4513	CY Tuc	LB:
386	V399 Cep	IA	2054	V350 And	E:	4530	CP Cet	SRD
457	BH Phe	SRB:	2080	CF Psc	LBV	4586	CQ Cet	SRB
500	BI Phe	SRB:	2123	CG Psc	SRD	4593	CP Psc	EB:
520	CE Cet	SRB	2164	BC Scl*	LB:	4621	V358 And	LB:
523	CQ Tuc	BY:	2216	V351 And	LB	4658	BX Phe	SRB
590	V341 And	SRB:	2271	V747 Cas*	LB:	4726	CR Cet	SRB
610	BZ Hyi	EA	2274	CL Cet*	RRC:	4900	V359 And	BY:
632	BK Phe	LB:	2285	V352 And	LB:	4918	V759 Cas	LB:
696	CF Cet	SRB	2299	V402 Cep	DSCTC	4945	CQ Psc	SRD+EA
720	CG Cet	SRB	2340	CH Psc	SRD	5002	V360 And	SRB
723	V740 Cas	SRD:	2384	V353 And	LB:	5038	CZ Tuc	SRA
817	V342 And	EA	2462	BR Phe	LB:	5091	CR Psc	LB:
834	V741 Cas	EB	2550	BD Scl	EB	5161	V760 Cas	LBV
852	NO Peg	SRB	2596	V748 Cas	SRB	5227	CS Cet	BY:
864	NP Peg	SRA	2618	CM Cet	LB:	5268	ι Tuc	SRD:
882	V343 And	LB	2651	V354 And	LB:	5409	CS Psc	SRB
883	BL Phe	EB	2667	V749 Cas	LB:	5450	V361 And	DSCTC:
919	V344 And	BY:	2808	V750 Cas	LB:	5452	CT Cet	EW
940	V742 Cas*	BE	2813	V751 Cas	LBV	5525	CT Psc	SRB
988	V345 And	SRB:	2899	V752 Cas	LB	5662	CU Psc	BY:
989	NQ Peg	SRB	2933	CU Tuc	EA	5688	V761 Cas	ACV:
1032	CH Cet	LB	2960	BS Phe	SRB	5868	DD Tuc	SRB
1041	V400 Cep	WR	3158	CN Cet	EA:	5926	V762 Cas	BY:
1110	V347 And	SR:	3171	V753 Cas	LB	5976	V763 Cas	SRB
1112	V346 And	LB	3294	V754 Cas	SRD	6027	V764 Cas	BE
1131	V401 Cep	SRB	3367	V755 Cas	EA/GS:	6039	DE Tuc	SRB
1146	CR Tuc	LB	3414	π Cas*	ELL	6171	V765 Cas	EB
1217	CS Tuc	LB	3454	V355 And	EA	6220	CV Psc	SRB
1233	V348 And	EA	3498	V356 And	LB:	6286	CU Cet	SRB
1289	V349 And	LB	3513	V756 Cas	DSCTC:	6287	V766 Cas	EA
1325	BV Psc	SRB:	3518	CI Psc	SRB	6350	BE Scl	EW
1378	CI Cet	ACV:	3634	CV Tuc	LB:	6430	CV Cet	SRB
1429	BW Psc	SRB	3791	CW Tuc	ELL:	6453	CW Psc	SRB
1435	BX Psc	EB:	3808	CK Psc	LB:	6501	CW Cet	RR:
1497	BY Psc	SRB	3821	η Cas	RS:	6536	BF Scl	SRD
1507	BM Phe	EW	3839	V757 Cas	LBV	6584	BY Phe	SR
1555	BN Phe	SRB	3852	BT Phe	SRB	6609	BZ Phe	LB:
1609	BZ Psc	SRB:	3894	BU Phe	SRB	6852	V362 And	E:
1627	BO Phe	SRB	4106	CO Cet	SRD	6856	CC Phe	BY:
1652	V743 Cas	SRB	4129	V357 And	ELL:	6934	V767 Cas	SRB
1735	V744 Cas	EA	4266	CN Oct	LB:	6998	CX Psc	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
7021	CX Cet	E:	8968	ZZ Ari	SRA	10701	AD Ari	DSCTC
7103	V768 Cas	LBV:	8980	V777 Cas	BE	10714	AD Tri	LB:
7122	V363 And	EB	8985	FG Eri	DSCTC:	10841	ZZ For	LB:
7205	V364 And	LB:	9014	V403 Cep	SRB:	10851	AA For	SRC
7218	CY Cet	SRB:	9017	V548 Per	BE	10964	AE Ari	SRB
7289	YZ Tri	SRB	9141	DK Cet	BY:	10981	V552 Per	EB
7315	BG Scl	SRB	9150	V369 And*	LB:	11035	AF Ari	EA:
7323	BH Scl	EA	9171	AA Tri	SRB	11039	CK Hyi	LB:
7326	CC Hyi	LB	9208	XY For	LB:	11098	V553 Per	ACYG:
7330	BI Scl*	LB:	9211	V778 Cas	SRC	11272	AE Tri	SRB:
7449	BK Scl	LB:	9234	V370 And	LB:	11279	V554 Per	ACYG:
7496	CD Hyi	SRB:	9274	DL Cet	SRB	11314	DT Cet	EB:
7505	CY Psc	SRB	9355	DE Psc	SRD	11369	AG Ari	EA
7511	V365 And	DSCTC	9443	XZ For	EW	11421	AF Tri	LB
7512	V769 Cas	LBV:	9472	CH Hyi	SRB	11437	AG Tri	BY:
7682	CE Hyi	DSCTC	9487	α Psc	ACV	11455	CL Hyi	SRB:
7755	V770 Cas	LB	9494	V779 Cas	EA:	11677	AB For	LB:
7757	CZ Cet	SRB	9500	V371 And	BY:	11722	V555 Per	BE
7768	CZ Psc	LB:	9538	V780 Cas	BE	11785	V375 And	SRB
7936	V771 Cas	BE:	9599	DF Psc	BY:	11864	DU Cet	LB:
7939	V772 Cas	ACV:	9619	AA Ari	LB:	11888	V556 Per	ACYG:
7940	CD Phe	ACV:	9635	V781 Cas	SRD	11894	V788 Cas	LBV
7986	DD Cet	SRD	9701	DM Cet	LB	11921	DV Cet	LB:
8034	V366 And	LC	9717	V404 Cep	LB:	11934	WY Hor	EW
8035	CF Hyi	BY:	9740	V372 And	EA	11970	AC For	LB:
8115	V773 Cas	EA	9779	V373 And	DSCTC	11978	V789 Cas	SRB
8182	V547 Per*	LB:	9796	AB Ari	LB:	11982	AH Ari	LB:
8196	DE Cet	SRB	9812	CF Phe	SRB	11998	DW Cet	SRB
8206	BL Scl	LB:	9854	DN Cet	SRB	12009	V790 Cas	ACYG:
8297	V774 Cas	SRB	9867	V374 And*	E	12016	FH Eri	SRB
8337	DF Cet	LB:	9963	AC Ari	SRB	12017	AI Ari	LB:
8344	CE Phe	SRB	9996	DO Cet	LB:	12039	V376 And	EB
8481	VZ For	SRB	9997	V782 Cas	BE	12113	DX Cet	DSCT
8485	CG Hyi	LBV	10039	YY For	LB:	12136	V377 And	EA:
8574	DH Cet	SR	10077	AB Tri	EB:	12163	AD For	SRB
8579	DG Cet	E	10099	DP Cet	EA	12178	V791 Cas	EB
8618	V367 And	SRB	10141	V784 Cas	DSCTC	12311	DY Cet	EW
8646	DI Cet	SRD	10147	V783 Cas	BE	12317	DZ Cet	LB:
8655	DD Psc	LB:	10173	V785 Cas	EA	12373	FI Eri	DSCTC
8665	ZZ Tri	LB:	10191	YZ For	BY:	12465	AH Tri	SRD
8681	WW For	SRD	10243	V786 Cas	ACYG:	12468	AK Ari	LB:
8682	V368 And	LB	10248	CI Hyi	SRB	12478	V557 Per	ACV:
8693	V775 Cas	EA:	10319	AC Tri	LB:	12544	V558 Per	LB:
8698	WX For	LB	10463	V549 Per	BE	12565	V559 Per	ACV:
8749	WY For	E:	10486	V787 Cas	BE	12569	V560 Per	LB:
8762	FF Eri	LB:	10489	V550 Per	SRC:	12587	V561 Per	SRD
8781	WZ For	EA:	10522	DQ Cet	LB	12657	AL Ari	EA
8796	α Tri*	ELL	10579	DS Cet	EA:	12662	V562 Per	ACV:
8821	V776 Cas	EW:	10591	DR Cet	SRB	12674	CM Hyi	SRB
8953	XX For	SRB	10633	V551 Per	ACYG	12731	AM Ari	SRB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
12805	V405 Cep	EA:	14700	CP Oct*	DSCTC:	16941	CT Cam	BE
12833	FK Eri	EA	14703	FU Eri	EA:	17024	V1125 Tau	E
12884	CN Hyi	EW	14731	EK Cet	BY:	17040	V1126 Tau	E:
13016	V792 Cas	BCEP	14750	AG For	SRB	17042	V579 Per	RRC:
13058	V563 Per	LB	14824	V571 Per	LB	17145	FZ Eri	SRB
13074	WZ Hor	EA:	14915	EL Cet*	LB:	17167	FY Eri	ACV
13101	XX Hor	LB:	14919	FV Eri	LB:	17261	CV Cam	EB
13130	FL Eri	SRB	14932	V802 Cas	I:	17333	CU Cam	EA
13185	XY Hor	SRB	15139	V803 Cas	BE:	17361	CW Cam	IA:
13188	FM Eri	LB:	15186	ZZ Hor	LB:	17373	AM For	SRB
13189	CO Hyi	SRB	15193	V572 Per	EA	17379	V1127 Tau	SRB
13198	EF Cet	LB:	15241	V573 Per	E:	17390	GG Eri	LB:
13199	EE Cet*	EW	15316	AA Hor	LB:	17441	GH Eri	EA
13221	V793 Cas	EB	15321	CP Cam	EB	17442	GI Eri	SRB
13252	V564 Per	LB:	15324	AH For	LB:	17530	GK Eri	EA
13276	V794 Cas	EA	15361	AR Ari	DSCT	17543	CT Hyi	ACV:
13293	FN Eri	SRA	15408	V804 Cas	LB:	17590	CX Cam	SRB:
13396	FO Eri	EA	15457	κ^1 Cet	BY	17599	AN For	LB:
13446	V796 Cas	LBV	15479	AI For	SRB:	17666	V580 Per*	E:
13461	AN Ari	LB:	15627	τ^1 Ari	EB:	17873	V1129 Tau	BY:
13474	V795 Cas	E	15721	V574 Per	SRB	17878	V1128 Tau	EW
13475	FP Eri	EW	15728	EM Cet	EA:	17955	AI Men	SRB
13493	FQ Eri	LB:	15757	AB Hor	LB:	17968	UW Ret	SRB
13495	EG Cet	SRB	15770	V575 Per	LBV:	17988	V1130 Tau	EB
13575	XZ Hor	LB:	15857	V1120 Tau	LB:	17993	GL Eri	SRB
13645	AO Ari	SRB:	15858	V1121 Tau	EB:	18048	GM Eri	SRB
13756	EH Cet	SRB:	15890	CQ Cam	LC	18124	GN Eri	LB:
13785	V565 Per	BY:	15931	CQ Hyi	LB	18151	CY Cam	LBV:
13797	V797 Cas	LBV:	15939	AS Ari	SRB:	18179	AK Men	DSCT
13801	AP Ari	BY:	15988	V576 Per	LBV:	18291	GP Eri	SRB:
13829	V566 Per	ACV:	16070	AC Hor	LB:	18318	GO Eri	LB:
13999	CP Hyi	EW:	16071	AT Ari	SRD	18398	GQ Eri	LB:
14038	FR Eri	LB:	16083	ξ Tau	E:	18424	V581 Per	BE
14049	V798 Cas	ACV	16195	CR Cam	BE:	18468	V406 Cep	LB:
14055	FS Eri	LB:	16204	UU Ret	SRB	18474	V1131 Tau	DSCTC
14087	EI Cet	ACV:	16228	CS Cam	ACYG:	18517	UX Ret	EW
14210	CO Oct	LB	16247	AK For	E:	18581	V1132 Tau	LB:
14213	V567 Per	SRD	16315	FW Eri	E	18585	DD Cam	EB
14238	YY Hor	SRB	16319	V805 Cas	SRB	18593	CZ Cam*	*
14377	V799 Cas	EA	16366	AL For	LB:	18659	UY Ret	LB:
14433	AQ Ari	SRB	16563	V577 Per	BY:	18694	GR Eri	SRB:
14478	V568 Per	BY:	16592	CR Hyi	ELL:	18695	GS Eri	LB:
14526	V800 Cas	LB	16593	V1122 Tau	LB:	18957	V1133 Tau	LBV:
14568	AE For	EA	16644	V578 Per	EB	18996	V1134 Tau	LB:
14605	AF For	LB	16706	V1123 Tau	EW	19008	DE Cam	BE
14616	V569 Per	LB:	16737	V1124 Tau	SRD:	19062	GT Eri	EA
14626	V801 Cas	BE	16772	AD Hor	DSCTC	19105	DF Cam	SR:
14656	YZ Hor	ACV:	16775	CS Hyi	SRA	19137	V1135 Tau	SRB
14665	FT Eri	BY:	16807	UV Ret	LB:	19335	V582 Per*	RS:
14673	V570 Per	EB:	16864	FX Eri	EW	19380	AE Hor	EA

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
19398	GU Eri	LBV	21213	RZ Cae	EA:	23608	V411 Aur	LB:
19463	GV Eri	LB:	21233	DM Cam	LB	23699	V1154 Tau	E:
19487	V583 Per	LB	21241	HN Eri	EB	23701	V1362 Ori	LB:
19530	UZ Ret	DSCTC	21339	SS Cae	LB:	23761	VY Pic	LB:
19571	GW Eri	EA	21499	V409 Cep	LB:	23793	AP Dor	EW:
19591	V1136 Tau	RS:	21563	HO Eri	LB:	23809	V1363 Ori	EW
19647	V584 Per	BE	21575	V1148 Tau*	ELL:	23815	UZ Col	LB:
19672	V1137 Tau	ACV:	21621	V1149 Tau	EA	23842	UY Lep	LB:
19700	GX Eri	SRB:	21626	V1150 Tau	BE	23883	V1155 Tau	BE
19714	V1138 Tau	SRB	21633	V1151 Tau	LB:	23928	UZ Lep	LB:
19725	GY Eri	LBV	21648	HP Eri	SRD:	23947	V412 Aur	SRB
19764	DG Cam	LB:	21688	HQ Eri	LB:	23981	VV Col	LB
19853	V1139 Tau	LB:	21810	V1152 Tau*	SRB:	23996	V1364 Ori	LB:
19991	V586 Per	BE	21825	HR Eri	SRB	24019	V1156 Tau	E:
19992	V585 Per	SRD:	21894	HS Eri	DSCTC:	24029	V413 Aur	BE
20004	DH Cam	ACV	21913	DN Cam	EW	24064	AQ Dor	LB
20015	CU Hyi	BY:	21959	HT Eri	LB:	24103	V1157 Tau	LBV
20075	GZ Eri	LB	22050	V592 Per*	EB	24118	V414 Aur	BE
20095	V587 Per	LB:	22171	HU Eri	LB:	24186	VZ Pic*	BY:
20235	V588 Per	SRB	22229	AL Dor	EA	24221	AR Dor	E:
20262	V1140 Tau	ACV:	22272	V593 Per	EB	24238	V415 Aur	BE
20304	VV Ret	LB	22326	HV Eri*	DSCTC:	24318	VV Lep	LB:
20315	V407 Cep	DSCTC	22379	CR Oct	SRB	24326	V416 Aur	GCAS:
20436	V589 Per	LB	22383	DO Cam	SRB	24350	V417 Aur	EA
20493	V1141 Tau	LBV	22454	V1359 Ori	DSCTC	24386	V1158 Tau	SRB:
20513	V1142 Tau	LB:	22474	AM Dor	LB:	24390	DT Cam	E:
20570	V590 Per	EB:	22498	DP Cam	E:	24436	β Ori	ACYG
20657	VW Ret	EA	22513	V594 Per	LB:	24441	V1365 Ori	BY:
20665	RT Cae	EW:	22631	HW Eri	LB:	24481	V418 Aur	LB:
20670	RU Cae	SRB	22663	AN Dor	EA	24552	V1366 Ori	E:
20715	V1143 Tau	LBV	22795	DQ Cam	E:	24625	V1367 Ori	LB
20779	DK Cam	EA	22837	ST Cae	LB:	24653	DU Cam	SRB
20806	HH Eri	EA	22863	V407 Aur	SRB	24707	VW Lep	LB:
20856	RV Cae	LB	22868	UZ Pic	E:	24710	VW Col*	EA
20860	V408 Cep	GCAS:	22912	SU Cae	LC:	24713	VX Col	LB:
20896	DI Cam	EA	22928	V408 Aur	LC	24823	AS Dor	LB:
20903	HI Eri	LB:	22971	VV Pic	LB:	24836	DV Cam	EA
20930	CQ Oct	SRB	23013	V409 Aur	SRD:	24840	VX Lep	LB
20958	V1145 Tau	SRC:	23033	DR Cam	SRB	24892	V419 Aur	LB:
20961	RW Cae	SRB:	23112	UW Lep	LB:	24906	V1159 Tau	ACV
20963	V1144 Tau*	LBV	23196	VW Pic*	EW	24943	WW Pic	SRA
20992	HK Eri	LB:	23217	UX Lep	LB:	25004	V1368 Ori	SRA
20993	V591 Per	LB:	23321	SV Cae	SRB	25011	V1369 Ori	BE
21050	HL Eri	EB	23328	V1360 Ori	LBV:	25114	V420 Aur	BE
21063	RX Cae*	DSCTC	23337	V410 Aur	EW	25178	V423 Aur	LBV:
21080	HM Eri	SRB:	23374	AO Dor	LB:	25203	V421 Aur	LB
21082	V1146 Tau	LB:	23436	V1153 Tau	BE	25224	V422 Aur	BY:
21148	DL Cam	BCEP:	23440	DS Cam	LB:	25229	DX Cam	LB:
21179	V1147 Tau	BY:	23491	VX Pic	SRB	25233	DW Cam	BY:
21190	RY Cae	LB:	23496	V1361 Ori	EB	25234	VY Lep	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
25252	V424 Aur	EB	27144	V436 Aur	LB:	29096	AE Col	BY:
25284	V425 Aur	EB	27170	XY Pic	EW	29103	V356 Pup	RS:
25394	V1370 Ori	LBV	27199	EE Cam	DSCTC	29108	V449 Aur	EB
25577	V1371 Ori	EB	27221	XY Col	LB:	29186	V1387 Ori	EB
25579	WX Pic	LB:	27229	WY Lep	LB	29198	V450 Aur	SRB:
25599	V426 Aur	EB	27309	V1380 Ori*	EA	29225	PU Gem	ACYG
25610	AT Dor	LB:	27318	WZ Lep	LB	29263	AF Col	LB
25655	V1372 Ori	BE	27407	XZ Col	LB:	29321	V1388 Ori	EA
25681	V1373 Ori	SRD	27459	V438 Aur	GCAS	29352	V451 Aur	LBV
25710	VY Col	SRB	27462	YY Pic	DSCTC	29436	EK Cam	LB:
25775	VZ Col	BY:	27469	V437 Aur	EA	29455	IO CMa	EA
25779	V1160 Tau	LB:	27473	YY Col	SRD	29474	IQ CMa	EB
25801	V427 Aur	LB	27500	EF Cam	LB:	29488	IP CMa	LBV
25864	AL Men	EB	27591	V439 Aur	LB:	29509	V1389 Ori	SRB:
25877	V428 Aur	RV	27656	YZ Col	SRD	29563	V1390 Ori	BE
25896	V1374 Ori	BE	27661	V440 Aur	LB:	29564	AW Dor	LB:
25902	V1375 Ori	E:	27748	XX Lep	ACV	29589	PV Gem	DSCTC
25981	VZ Lep	SRD	27776	ZZ Col	SRB	29592	AG Col	LB
25996	V429 Aur	LB:	27850	V1167 Tau	BE	29604	IR CMa	SRB
26123	WW Col	LB:	27874	YZ Pic	SRB	29707	V1391 Ori	LB
26128	V430 Aur	SRC	27912	V1381 Ori	LB:	29757	PW Gem	EA:
26223	V1376 Ori	LB	27925	AA Col	DSCTC	29787	V1392 Ori	EB
26243	WW Lep	LBV	27941	V1382 Ori	BE:	29840	PX Gem	ACYG
26263	V1377 Ori*	LBV	28017	AB Col	SRB:	29847	V718 Mon	LBV
26282	V1161 Tau*	LB:	28023	V441 Aur	SRB:	29899	V1393 Ori	LB:
26324	AU Dor	LB:	28039	V1383 Ori	EB	29901	V452 Aur	LB
26354	V431 Aur*	BE:	28094	XY Lep	LB:	29961	V1394 Ori	LB
26401	WX Col	RS:	28134	ZZ Pic	LB	29964	AO Men	BY:
26434	V432 Aur	E:	28142	V1384 Ori	EA	30010	V1395 Ori	LB:
26442	V1378 Ori	LBV	28151	V442 Aur	SRB	30034	AB Pic	BY:
26449	V1162 Tau	BE:	28215	V717 Mon	LB	30174	IS CMa	EW
26464	V1379 Ori	LBV	28217	AA Pic	LB:	30185	V719 Mon	LB:
26517	DZ Cam	LB:	28283	V443 Aur	LB	30227	V453 Aur	SRB:
26574	V1163 Tau	BE	28368	EG Cam	BY:	30237	AC Pic	SRB
26606	V433 Aur*	LBV:	28440	AN Men*	EW	30263	IT CMa	LBV
26612	WX Lep	EB	28499	V444 Aur	ACV	30270	V454 Aur	EA
26620	WY Col	LB:	28519	V1385 Ori	EB	30319	AD Pic	LB
26679	WY Pic	SRB:	28583	EH Cam	LB:	30380	V720 Mon	LC:
26708	V1164 Tau	ELL:	28587	AM Men	LB:	30407	V721 Mon	LB
26758	DY Cam	LB:	28607	EI Cam	LB:	30409	IV CMa	SRC
26760	AV Dor	EA	28628	V445 Aur	LBV	30426	IU CMa*	ACV:
26772	WZ Pic	E:	28701	V446 Aur	LB	30452	PY Gem	BE
26845	V435 Aur	BE	28716	χ^2 Ori	ACYG	30546	V444 Car	LB:
26868	WZ Col	LBV:	28770	AC Col	SRD	30583	IW CMa	E:
26872	V434 Aur	BE	28783	V447 Aur	BE	30587	AH Col	ACV
26959	XX Col	SRB	28851	V448 Aur	LBV	30722	PZ Gem	BE:
26983	XX Pic	SRB	28852	AD Col	E:	30775	AX Dor	LB:
26998	V1165 Tau	BE:	28954	V1386 Ori	BY:	30785	EL Cam	LB:
27012	V1166 Tau	E:	28973	XZ Lep	LBV	30786	IX CMa	EB
27134	XZ Pic	BY:	28984	YY Lep	SRB:	30806	V722 Mon	E:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
30822	V456 Aur	DSCTC	32507	VV Vol	SRB	33890	V335 Gem	EA
30840	IY CMa	E:	32531	V448 Car	SRD:	33944	V337 Gem	EA:
30875	AI Col	SRB	32570	KQ CMa	ACV	33945	V336 Gem	SRB
30878	V455 Aur	EA:	32586	V739 Mon	BE	33977	o^2 CMa	ACYG
30891	V723 Mon	SRD:	32612	QT Gem	EB	34000	V450 Car	LBV
30903	IZ CMa	SRB	32647	EP Cam	SRB	34032	V749 Mon	GCAS:
30909	V724 Mon	SRB	32653	EQ Cam	SRB	34080	LT CMa	EA
30992	V725 Mon	BE	32671	KR CMa	SRB	34116	V750 Mon*	GCAS
30993	V726 Mon	LBV	32696	KS CMa	BE	34122	V451 Car	SRB
31008	KK CMa	EB	32743	QU Gem	LB:	34126	VZ Vol	LB:
31017	KL CMa	EA	32745	V740 Mon	ACV	34161	LU CMa	LB:
31027	V457 Aur	LB:	32758	KT CMa	E:	34287	LV CMa	EB
31057	AY Dor	LB:	32776	QV Gem	LB:	34342	LW CMa	SRB:
31065	V727 Mon	EB	32815	KU CMa	BE	34343	BT Lyn	SRB
31068	AE Pic	EB:	32839	V741 Mon*	LBV:	34362	BU Lyn	SRB:
31086	KM CMa	LB	32845	QW Gem	EW	34385	V751 Mon	SRB
31113	AK Col	EA	32856	KV CMa	E:	34396	V361 Pup	EW
31116	AL Col	ACV	32923	V743 Mon	GCAS	34401	V752 Mon	DSCTC:
31174	EM Cam	LB:	32937	KW CMa	ACV	34435	BV Lyn	LB:
31180	KN CMa	SRD:	32947	V742 Mon	BE	34448	LX CMa	LB:
31199	V728 Mon	BE	32953	VW Vol	LB:	34463	BN CMi	SRB:
31236	QQ Gem	E:	33040	KX CMa	LB	34569	LY CMa	GCAS
31255	V458 Aur	LB	33042	KY CMa	LB	34575	V410 Cep	LB:
31259	EN Cam	ACV:	33063	V449 Car	SRD	34579	LZ CMa	EB:
31296	KO CMa	LB	33100	BR Lyn	SRB:	34641	ES Cam	LB
31359	BQ Lyn	SRD	33107	VX Vol	E:	34659	V362 Pup	E:
31363	V729 Mon	SRB	33115	VY Vol	LB:	34684	V753 Mon*	EB:
31371	V730 Mon	EA:	33119	KZ CMa	BE	34704	V338 Gem	LB:
31485	V459 Aur	EB	33166	QX Gem*	LBV:	34778	V463 Aur	RRAB:
31539	UZ Vol	E:	33200	LL CMa	BE	34792	V452 Car	EA:
31625	V357 Pup	LB:	33260	LM CMa	ACYG:	34798	MM CMa	LBV
31644	V445 Car	SRB	33261	V745 Mon	EA	34807	V754 Mon	ACV:
31664	V446 Car	LB:	33267	V744 Mon	BE:	34817	V363 Pup	LBV
31678	AP Men	SRB	33361	V746 Mon	BE	34836	V364 Pup*	IA:
31697	V731 Mon	ACYG:	33389	V462 Aur	EB	34986	MN CMa	BE
31701	AM Col	LB	33437	V747 Mon	BE:	35015	MO CMa*	I:
31719	V460 Aur	SRB	33443	LN CMa	LB:	35036	MP CMa	EB
31739	V732 Mon	LBV:	33487	V358 Pup	EA:	35109	MQ CMa	LB:
31894	V733 Mon	BE	33493	QY Gem	E:	35156	MR CMa	ACV
31906	V734 Mon	ACV	33549	V359 Pup	LB:	35168	MS CMa	EA
31925	V736 Mon	LB	33573	ER Cam	LB:	35200	ET Cam	LB:
31934	V735 Mon	ACV:	33583	QZ Gem	SRB	35201	MT CMa	LB:
31982	QR Gem	LB	33592	LO CMa	SRB:	35247	EU Cam	SRB
32085	EO Cam	SRB	33673	LQ CMa	BE:	35264	π Pup	SRD:
32088	V737 Mon	BE	33676	LP CMa	BE	35300	V755 Mon	LBV
32187	V738 Mon	SRB	33707	BS Lyn	LB:	35355	MU CMa	BE:
32218	V447 Car	SRB	33778	LR CMa	ACYG:	35356	MV CMa	EB
32408	KP CMa	LBV	33804	LS CMa	E:	35407	MW CMa	ACV
32459	QS Gem	DSCT	33822	V748 Mon	LB:	35415	τ CMa*	EB
32495	V461 Aur	LB:	33864	V360 Pup*	EB:	35428	V339 Gem	E:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type			
35447	V365	Pup	EA	36969	V763	Mon	BE	38416	V459	Car	ACV
35461	MX	CMa	EB	36971	V379	Pup	ACV	38430	V402	Pup	ACYG:
35464	WW	Vol	LB	36981	V378	Pup*	EB:	38439	V403	Pup	BE:
35475	V756	Mon	LB:	36983	EZ	Cam	SRB	38650	V404	Pup	LBV
35525	BW	Lyn	SRB	37012	V455	Car	EA	38684	CL	Lyn	EA
35549	MY	CMa	LB:	37099	V380	Pup	GCAS:	38728	V768	Mon	LB:
35607	V366	Pup	EA:	37126	V764	Mon	RRC	38738	CM	Lyn	LB
35626	MZ	CMa	SRB	37197	V345	Gem*	DSCTC:	38787	V406	Pup	LC
35664	V340	Gem	BY:	37232	BR	CMi	ACV:	38807	BS	CMi	SRD:
35669	V757	Mon	BE:	37272	V382	Pup	BY:	38855	BT	CMi	BE
35690	EV	Cam	ACV:	37294	V765	Mon	LB:	38866	V405	Pup	EB
35769	NN	CMa	GCAS	37296	V381	Pup	EB	38900	FH	Cam	EW
35776	BO	CMi*	*	37343	V383	Pup	SRB:	38923	V407	Pup	SRC:
35795	NO	CMa*	BE:	37433	V384	Pup	LC	38945	BU	CMi	EA:
35810	V758	Mon	LB	37436	V346	Gem	SRD:	38971	FI	Cam	LB:
35829	NP	CMa	BE	37466	V766	Mon	LB	38987	BV	CMi	EA:
35831	V759	Mon	ACV:	37549	V456	Car	SXARI:	39017	V769	Mon	EB:
35898	V367	Pup	LB:	37555	V457	Car	LB:	39020	V408	Pup	BE
35904	η	CMa	ACYG	37595	FG	Cam	SRD	39070	V460	Car	LC
35926	NQ	CMa	BE:	37615	CD	Lyn	E:	39084	V410	Pup	EB
35960	V368	Pup	DSCTC	37668	V386	Pup	SXARI:	39090	V409	Pup	E:
35977	BX	Lyn	LB:	37675	V387	Pup	BE	39128	V411	Pup	SRB
35979	V453	Car	EA:	37692	V385	Pup	ACV	39131	V412	Pup	LB:
36004	V760	Mon	LB	37695	WX	Vol	LB	39162	V413	Pup	LBV:
36093	V761	Mon	E:	37707	CE	Lyn	SRB	39225	V461	Car	EA
36110	V341	Gem	LB	37708	V347	Gem	LB:	39229	V414	Pup	ACV:
36186	NR	CMa	DSCTC	37743	V388	Pup	BE	39250	CN	Lyn	EA
36213	EW	Cam	RRAB	37748	CF	Lyn	E	39290	V415	Pup	LBV
36227	V369	Pup	ACYG:	37751	V390	Pup	EA	39297	FO	Cnc	LB:
36246	V371	Pup	LBV	37758	V389	Pup	IA:	39310	V462	Car	EB
36250	V370	Pup	BE	37775	V348	Gem	E:	39365	V416	Pup	SRB:
36334	BY	Lyn	SRB:	37847	CG	Lyn	LB:	39452	V417	Pup	E:
36349	V372	Pup	BY:	37915	V392	Pup	E:	39521	V418	Pup	LB:
36377	σ	Pup	ELL:	37925	V393	Pup*	ELL	39541	V770	Mon	SRB:
36386	V343	Gem	SRB	37927	V391	Pup	DSCTC:	39584	MX	Vel	BE:
36404	V373	Pup	BE	37961	FF	Cam	BE:	39611	V463	Car	BY:
36409	V374	Pup	SRB	37966	V458	Car	ACV:	39635	BW	CMi	LB:
36412	V342	Gem	LB:	37973	CH	Lyn	SRB	39637	V419	Pup*	LB:
36495	V762	Mon	LB:	37985	V394	Pup	SRD	39687	MY	Vel	LBV
36545	BZ	Lyn	SRB:	37999	CI	Lyn	SRD	39755	FK	Cam	SRB
36578	EX	Cam	LB:	38070	\omicron	Pup*	BE:	39759	MZ	Vel	LB:
36605	V375	Pup	LBV:	38110	V395	Pup	LBV	39791	WY	Vol	ACV
36682	V454	Car	EB	38155	V396	Pup	SRD	39834	V420	Pup	BE
36728	V376	Pup*	EB:	38167	V397	Pup	EA	39844	V771	Mon	LB:
36746	BP	CMi	SRB	38173	V398	Pup	ACYG:	39857	V772	Mon	CEP:
36802	V377	Pup	LB	38186	V399	Pup	EA	39885	V464	Car	LB:
36822	V344	Gem	DSCTC	38242	V767	Mon	LB	39896	FP	Cnc	BY
36888	BQ	CMi	SRA:	38257	CK	Lyn	LB	39919	NN	Vel	ACYG:
36945	EY	Cam	SRB:	38326	V400	Pup	LB:	39927	V773	Mon	E:
36965	CC	Lyn	EW	38338	V401	Pup	EA:	39944	CO	Lyn	DSCTC

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
39968	V421	Pup	41670	ZZ	Pyx	43493	OT	Vel
39997	V774	Mon	41714	AA	Pyx	43515	FS	UMa
39998	CS	Oct	41726	AB	Pyx	43685	CY	Lyn
40005	V422	Pup	41749	FQ	Cnc	43738	FT	UMa
40025	V775	Mon	41774	NS	Vel	43746	GCAS:	NN
40066	V423	Pup	41811	AC	Pyx	43763	V473	Car
40074	V424	Pup	41889	FR	Cnc	43792	OU	Vel
40135	CP	Lyn	41906	V470	Car	43812	OV	Vel
40139	V425	Pup	41978	FS	Cnc	43936	OW	Vel
40144	V427	Pup	42013	MU	Hya	43963	CZ	Lyn
40148	V426	Pup	42061	NT	Vel	43967	FY	Cnc
40230	CQ	Lyn	42068	FN	UMa	44021	FU	UMa
40264	V428	Pup	42110	AD	Pyx	44123	NO	Hya
40285	NO	Vel	42161	NU	Vel	44126	FZ	Cnc
40409	V429	Pup	42227	NV	Vel	44145	DM	Cha
40459	V430	Pup	42239	FO	UMa	44166	OX	Vel
40504	NP	Vel	42251	V471	Car	44189	DN	Cha
40596	V431	Pup	42399	NW	Vel	44216	V474	Car
40638	V465	Car	42433	NX	Vel	44222	GG	Cnc
40641	CS	Lyn	42469	AE	Pyx	44266	V475	Car
40651	CR	Lyn	42504	NZ	Vel	44281	AL	Pyx
40666	V466	Car	42519	OO	Vel	44308	AM	Pyx
40689	MQ	Hya	42533	AF	Pyx	44337	OY	Vel
40750	MR	Hya	42540	NY	Vel	44359	NP	Hya
40763	MS	Hya	42554	CW	Lyn*	44397	FV	UMa
40777	V432	Pup	42674	MV	Hya	44433	OZ	Vel
40805	V433	Pup	42700	MW	Hya	44457	FW	UMa
40838	V467	Car	42744	CX	Lyn	44482	PP	Vel
40853	V434	Pup	42756	AG	Pyx	44530	GH	Cnc
40871	V435	Pup	42802	AH	Pyx	44609	NQ	Hya
40892	MT	Hya	42819	V472	Car	44612	PQ	Vel
40902	FL	UMa	42826	FT	Cnc	44650	V476	Car
40931	CT	Lyn	42841	WZ	Vol	44655	PR	Vel
41107	V436	Pup	42921	FU	Cnc	44666	FY	UMa
41113	NQ	Vel	42951	MX	Hya	44675	NR	Hya
41118	V411	Cep	43039	MY	Hya	44683	FX	UMa
41121	V437	Pup	43071	OQ	Vel*	44718	GI	Cnc
41149	CU	Lyn	43082	OP	Vel	44738	ACYG:	NS
41250	V438	Pup	43114	AI	Pyx	44773	GK	Cnc
41266	V468	Car	43199	FV	Cnc*	44800	DO	Cha
41302	CV	Lyn	43205	FQ	UMa	44813	NT	Hya
41324	V439	Pup	43207	FP	UMa	44925	FZ	UMa
41390	V440	Pup	43215	AK	Pyx	44943	FM	Cam
41501	NR	Vel	43229	OR	Vel	44996	PS	Vel
41515	XY	Pyx	43245	FW	Cnc	45009	AN	Pyx
41535	YY	Pyx	43251	FX	Cnc	45030	NU	Hya
41541	XZ	Pyx	43308	MZ	Hya	45079	PT	Vel
41581	FM	UMa	43431	FL	Cam	45094	V477	Car
41586	YZ	Pyx	43443	OS	Vel	45194	GL	Cnc
41644	V469	Car	43469	FR	UMa	45295	GM	Cnc

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
45373	AO Pyx	LB	47467	AO Ant	LB:	49960	AQ Ant	LB:
45392	PU Vel	EB	47549	V485 Car	BE	50072	EQ Leo	LB:
45467	PV Vel	ACYG:	47591	V486 Car	EB	50097	GM UMa*	EB
45483	GN Cnc	RR:	47733	EK Leo	SRB	50160	AR Ant	LB:
45509	PW Vel	LB:	47761	TU LMi	LB	50167	GO UMa	LB
45547	NV Hya	LB:	47833	FO Cam	LB:	50169	GN UMa	LB
45548	PX Vel	ACV	47892	V488 Car	LBV	50212	PU Hya	LB:
45597	GO Cnc	EA	47893	V487 Car	ACV	50256	AS Ant	LB:
45615	V478 Car	SRD	47992	V489 Car	SRB	50268	AT Ant	SRB:
45633	PY Vel	SRD:	48020	EL Leo	SRB	50272	V499 Car	ACYG:
45679	AP Pyx	LB:	48027	DP Cha	SRB	50276	V339 Vel	LB
45692	PZ Vel	LBV	48063	TV Sex	LB:	50358	TY LMi	LB
45693	GG UMa	DSCTC:	48104	V490 Car	SRB	50368	V500 Car	WR
45706	AQ Pyx	SRD	48120	QW Vel	LB	50389	GP UMa	LB:
45755	NW Hya	LB:	48155	QX Vel	EB	50463	V340 Vel	E:
45833	QQ Vel	BE	48185	QY Vel	EA	50502	TZ LMi	SRB
45846	NX Hya	EB	48292	EM Leo	LB	50550	V341 Vel	EA
45887	NY Hya	EA	48422	GL UMa	BY:	50598	V342 Vel	ACYG:
45934	QR Vel	BE	48469	QZ Vel	LBV	50626	V501 Car	SRB
45935	GH UMa	SRB	48472	EN Leo	LB	50702	V343 Vel	EA
46002	NZ Hya	EA	48494	OX Hya	SRB	50749	UU Sex	SRB
46005	FN Cam	EW	48527	V335 Vel	LBV	50750	ER Leo	DSCTC:
46063	V479 Car	BY:	48632	TW Sex	LB:	50775	V344 Vel	DSCTC
46147	V480 Car	BE	48665	V491 Car*	BY:+E:	50780	V345 Vel	EA
46241	AR Pyx	EB:	48688	TV LMi	EA:	50827	UV Sex	SRB
46295	QS Vel	ACV	48782	V492 Car	LBV	50846	V502 Car	LB:
46323	OO Hya	I:	48794	V494 Car	LB:	50951	UU LMi	SRB
46340	QT Vel	EA	48832	V493 Car*	EA	50970	V346 Vel	LB
46344	GI UMa	SRB	48913	TY Sex	E:	50979	GQ UMa	LB
46435	OP Hya	LB	48923	TX Sex	SRB	51049	V347 Vel	LB
46452	V481 Car	ACV	48943	OY Hya	BE	51063	V503 Car	BE:
46521	AL Ant	LB	49177	OZ Hya	EA	51087	V348 Vel	SRC
46570	EG Leo	LB	49209	PP Hya	ELL:	51110	GR UMa	LB
46620	V482 Car	SRB:	49220	EO Leo	LBV:	51112	AU Ant	SRB
46689	EH Leo	SRB	49271	TW LMi	SRB	51141	V505 Car	SRB
46722	OQ Hya	LB:	49300	EP Leo	SRD:	51150	V504 Car	ACYG:
46833	AM Ant	ACV	49322	PQ Hya	LB:	51175	AV Ant	LB
46845	AN Ant	EB	49375	AP Ant	ACV	51246	V506 Car	LBV:
46948	OR Hya	LB:	49393	V336 Vel	DSCTC	51265	V507 Car	BE
46959	QU Vel	LB:	49463	PR Hya	SRB	51289	PV Hya	LB
46978	V484 Car	GCAS	49613	TZ Sex	SRB	51310	V508 Car	ACYG
46985	V483 Car	LBV	49642	V495 Car	ACV	51355	V349 Vel	ACV:
46987	OS Hya	LB	49743	V337 Vel	GCAS	51361	GS UMa	DSCTC:
46988	OT Hya	SRB:	49755	PS Hya	SRB:	51412	V350 Vel	ACV
46994	EI Leo	SRB	49783	PT Hya	LB:	51424	V511 Car	LB
47074	QV Vel	ACV	49816	V496 Car	SRB	51429	V509 Car	EA
47102	OV Hya	LB:	49927	V497 Car	BE	51453	V510 Car	GCAS
47130	OU Hya	LB:	49940	V338 Vel	ACV	51496	PW Hya	BY:
47364	GK UMa	SRB:	49944	TX LMi	LB:	51585	ES Leo	SRB:
47427	OW Hya	EA	49945	V498 Car*	E:	51595	V351 Vel	E:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
51632	DQ Cha	ACV	53470	V525 Car	LB	55140	V535 Car	LB
51677	ET Leo	EW:	53479	V526 Car	ACYG:	55146	FO Leo	EB
51683	PX Hya	E	53487	QR Hya	E	55207	V536 Car	LBV:
51810	V512 Car	SRB	53564	FG Dra	LB	55238	V537 Car	SRB
51847	AW Ant	SRD:	53653	EZ Leo	LB	55274	UV Crt	SRB
51857	V513 Car	ACYG	53676	V357 Vel	LB:	55283	V903 Cen	SRC
51876	GT UMa	EB	53708	V527 Car	DSCTC:	55294	UW Crt	LB:
51924	AX Ant	LB:	53732	FH Dra	SRB	55355	V538 Car	LB:
52043	V514 Car	LBV	53753	QS Hya	SRD	55396	V904 Cen	LB:
52046	V515 Car	SRB	53782	V358 Vel	LB	55432	FP Leo	LB:
52095	V352 Vel	LB:	53806	V359 Vel	EA	55448	V905 Cen	LB:
52215	GU UMa	LB:	53905	TW Crt	EA	55460	FQ Leo	LB:
52225	UW Sex	LB:	53932	VV LMi	SRD	55471	HO UMa	LB
52239	AY Ant	LB:	53938	V360 Vel*	ACV	55499	V906 Cen	LBV:
52265	GV UMa	LB:	53940	V361 Vel	LB	55524	V907 Cen	BE
52274	V516 Car	ACYG	53944	FF Leo	SRB	55545	FR Leo	LB:
52291	V517 Car	SRB:	54003	VW LMi	EW:	55795	UX Crt	SRB
52299	UV LMi	LB:	54021	V528 Car	LC	55910	UY Crt	LB:
52315	EU Leo	LB	54026	V529 Car	EA	55952	FS Leo	EB
52329	EV Leo	SRB	54108	FG Leo	SRB	55953	QT Hya	SRD
52340	DR Cha	E	54112	V362 Vel	EW	56012	HP UMa	LB
52370	V518 Car	GCAS:	54130	V530 Car	LC	56072	FT Leo	LB:
52405	V519 Car	BE	54165	HH UMa*	DSCT:	56100	UZ Crt	LB
52465	UW LMi	EA	54215	TX Crt	ACV	56139	VV Crt	E:/RS:
52468	V520 Car	LC:	54230	VX LMi	SRB	56144	KO Mus	SRB:
52507	V521 Car	LB	54243	HI UMa	LB:	56158	HQ UMa	DSCTC
52508	GW UMa	DSCT:	54251	HK UMa	LB:	56217	FU Leo	LB
52509	PY Hya	LB:	54268	FH Leo	NL:	56246	KQ Mus	LBV
52553	EW Leo	SRB:	54396	HL UMa	SRB	56252	KP Mus	BE
52565	PZ Hya	LB:	54431	V531 Car	LB:	56267	FV Leo	SRB
52567	AZ Ant	DSCTC	54518	HM UMa	LB	56300	QU Hya	SRB
52580	EX Leo	EW	54593	V897 Cen	LB:	56328	FP Cam	LB:
52622	V354 Vel	LB	54613	FI Leo	LB	56330	HR UMa	EA
52623	UX LMi	DSCTC	54659	V898 Cen	DCEPS:	56353	V908 Cen	SRB
52624	V353 Vel	DSCTC:	54670	V899 Cen	LB:	56379	KR Mus	E
52663	GX UMa	SRD	54708	V532 Car	SRB	56435	V909 Cen	SRB
52723	UY LMi	LB	54711	FK Leo	EA	56533	HS UMa	LB
52748	V355 Vel	LB:	54723	FL Leo*	SRD:	56556	V910 Cen	LC
52789	QQ Hya	LB:	54751	V533 Car	ACYG:	56592	V911 Cen	GCAS:
52794	GY UMa	SRB	54766	FM Leo	EA	56698	V912 Cen	LB
52816	V356 Vel	EB	54799	TY Crt	SRB	56702	V913 Cen	LB
52827	V522 Car	ACYG:	54814	V900 Cen	E	56724	IW Vir	LB
52889	UZ LMi	SRD:	54820	TZ Crt	LB	56835	VW Crt	LB
52892	GZ UMa	E:	54865	V901 Cen	EW:	56899	VX Crt	SRB:
52999	EY Leo	LB	54951	FN Leo	LC	56923	FI Dra	SRB
53078	BB Ant	LB	54974	UU Crt	SRB	56970	V914 Cen	LB
53079	FF Dra	LB	55030	HN UMa*	EW:	57037	CT Oct	BY:
53109	V523 Car	ACYG	55031	V902 Cen*	E:	57067	V915 Cen*	ACV:
53154	V524 Car	ACYG	55078	V534 Car*	IA:	57072	VY Crt	DSCTC
53325	BC Ant	LB:	55085	DS Cha	LB:	57106	V916 Cen	BE

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
57126	FW Leo	ACV:	59259	QY Hya	EB:	61507	V934 Cen	SRB
57173	VZ Crt	LBV:	59289	KK Vir	LB:	61686	IK UMa	LB:
57237	V917 Cen	SRD	59404	CU Oct	ACV	61701	KM Com	LB
57263	DT Cha	LB:	59443	QZ Hya	LB	61703	KY Mus	ACYG:
57264	IX Vir	LB:	59549	KL Vir	SRB	61751	KZ Mus	BCEP
57380	ν Vir	SRB	59588	V335 Hya	LB	61773	V935 Cen	LB
57411	WW Crt	LB	59602	IV Com	BY:	61836	V340 Hya	EA
57480	FX Leo*	SR:	59653	DK Cru	BE	61882	LL Mus	EA
57505	DU Cha	LB	59665	KU Mus*	EB:	61899	KR Vir	SRD:
57512	V918 Cen	SRD:	59678	DL Cru	ACYG	61903	KS Vir	LB
57582	HT UMa	LB:	59789	V336 Hya	LB	61908	V341 Hya	SRB
57607	V919 Cen	SRB:	59811	V926 Cen	SRB	61910	VV Crv	EA
57653	V920 Cen	LB	59889	IW Com	LB	61975	V936 Cen	SRB
57655	FY Leo	SRB	59914	UV Crv	BY:	61976	KN Com	LB:
57661	DV Cha	ACV	59921	V337 Hya	SRA	61997	DP Cru	EB
57678	QV Hya	LB:	59959	KV Mus	BE:	62062	V342 Hya	LB
57731	HU UMa*	BY:	60117	UW Crv	LB	62064	V937 Cen	LB:
57737	V921 Cen*	SRB:	60126	KM Vir	LB	62070	KT Vir	SRB
57808	V922 Cen	ACYG:	60128	DM Cru	ACYG:	62086	V938 Cen	LB:
57843	V923 Cen	LC	60213	UX Crv	LB	62097	BX CVn	LB
57923	FQ Cam	LB:	60273	V338 Hya	SRB	62168	KU Vir	LB
57928	KS Mus	LB:	60298	KN Vir	LB:	62216	KO Com	LB:
58059	V924 Cen	SRB	60333	KO Vir	LB	62247	LM Mus	SRB
58157	HV UMa	RRC	60384	BT CVn	LB:	62291	DQ Cru	BE
58295	HW UMa	LB:	60438	UY Crv	BY:	62316	V939 Cen	LB:
58328	V925 Cen	SRB	60477	BU CVn	LB	62333	DR Cru	BY:
58359	FZ Leo	BY:	60520	UZ Crv	LB	62339	LN Mus	EB
58372	IY Vir	LB:	60786	DN Cru	E:	62355	BY CVn	LB
58400	DW Cha	BY:	60812	KP Vir	EA	62403	LO Mus	BY:
58513	DD Cru	LB:	60862	KW Mus	LB:	62432	V343 Hya	SRB
58520	DX Cha	IA:	60867	IX Com	SRB	62445	V940 Cen	BY:
58545	FR Cam	LB	60934	V927 Cen	LB	62484	KP Com	SRB:
58579	TX Crv	E:	60938	KQ Vir	LB:	62494	KQ Com	LB:
58587	TY Crv*	ELL	60979	V928 Cen	SRB	62581	IL UMa	SRB
58596	TZ Crv	SRD	60984	V929 Cen	LB:	62588	LP Mus	LB:
58648	HX UMa	EB	60999	IY Com	LB	62623	V941 Cen	LB:
58719	KT Mus	LC:	61006	FK Dra	EA	62732	DS Cru	ACYG:
58748	DE Cru	LBV	61024	V339 Hya	SRB	62738	IM UMa	LB
58783	DF Cru	LBV	61040	V930 Cen	LB:	62767	V942 Cen	LB
58794	DG Cru	GCAS	61163	BV CVn	LB	62773	V943 Cen	ACV
58795	HY UMa	LB:	61180	IZ Com	LB:	62801	LQ Mus	EA
58802	QW Hya	LB	61186	BW CVn	SRB	62853	VW Crv	SRB:
58835	DH Cru	ACV	61204	KK Com	EB:	62891	BZ CVn	LB
58866	IZ Vir	SRB	61226	V931 Cen	LB:	62918	DU Cru	LC
58927	HZ UMa	LB:	61237	II UMa*	EW:	62919	DT Cru	LBV:
58946	QX Hya	SRB	61247	V932 Cen	LB	62936	IN UMa	LB:
58954	DI Cru	WR	61290	KL Com	SR:	63136	DV Cru	BY:
58997	UU Crv	LB:	61362	V933 Cen*	LB:	63154	LR Mus	LB:
59136	BS CVn	LB:	61440	KX Mus	IB:	63170	DW Cru	ACYG:
59181	IU Com	BY:	61448	DO Cru	BE	63186	V944 Cen	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
63210	V945 Cen	LBV	65324	V346 Hya	SRB:	67357	CU CVn	EW:
63313	KV Vir	LB:	65376	CL CVn	LB	67449	DM Boo	IB:
63357	V344 Hya	LB:	65398	LT Mus	EB:	67471	MN Vir	LB:
63360	CC CVn	SRB:	65517	V966 Cen	RS:	67511	IR UMa	LB
63442	CD CVn	LB:	65590	LU Vir	EB:	67531	V348 Hya	LB:
63560	KW Vir	SRB	65633	CM CVn	LB:	67604	V981 Cen	LB
63565	V946 Cen	BE	65637	V967 Cen	BE:	67616	V982 Cen	BY:
63602	FL Dra	LB	65693	LU Mus	BE	67657	DN Boo	EW:
63650	V345 Hya	LB:	65746	CN CVn	LB:	67662	CV CVn	LB:
63653	CE CVn	LB	65776	V968 Cen	ACV	67669	V983 Cen	E:
63688	LS Mus	BE	65818	V969 Cen	LBV:	67704	V984 Cen	SRB
63706	CF CVn	LB:	65841	KS Com	LB	67709	MO Vir	SRD
63752	KX Vir	SRB	65848	LV Mus	BE	67803	CW CVn	SRD
63849	V947 Cen	DSCTC:	65876	CO CVn	LB	67830	V985 Cen	LB:
63850	CG CVn	LB:	65953	CP CVn	LB:	67917	DO Boo	SRB
63979	V948 Cen	EB:	66030	V970 Cen	LB	67984	V349 Hya	SRB
64025	V949 Cen	EA	66070	V971 Cen	LB	68019	V986 Cen	LB
64130	V950 Cen	DSCTC	66078	LV Vir*	EW:	68186	V988 Cen	BY:
64210	KY Vir	SRB:	66124	CQ CVn	LB:	68218	V987 Cen	BE
64334	V951 Cen	LB:	66142	V972 Cen	WR	68221	MP Vir	LB:
64359	V952 Cen	BE	66157	V973 Cen	LB:	68284	IS UMa	SRB:
64391	V953 Cen	LB	66179	KT Com	CWB:	68298	V989 Cen	LB:
64433	KZ Vir	EB:	66266	LW Vir	LB:	68383	MQ Vir	LB
64460	LL Vir	SRB:	66273	V347 Hya	BY:	68384	CX CVn	EA
64471	V954 Cen	DSCT	66324	LX Vir	LB	68417	CY CVn	LB
64508	CH CVn	LB:	66394	V974 Cen	ELL:	68477	SV UMi	LB:
64520	LM Vir	EW:	66407	LY Vir	LB:	68500	V990 Cen	LB
64528	CI CVn	EA:	66470	CR CVn	SRB	68718	MR Vir	EB
64572	V956 Cen	SRD:	66496	DH Boo	SRB	68744	IT UMa	LB:
64578	V955 Cen	BE	66572	LW Mus	DSCT	68750	CE Cir	E:
64607	LN Vir	E:	66580	V975 Cen	E:	68757	V350 Hya	LB
64613	V957 Cen	SRB	66607	DY Cha	LBV	68788	V991 Cen	LB:
64622	V958 Cen	BE	66609	IP UMa	DSCTC:	68798	SW UMi	LB:
64636	IO UMa	EA	66631	V976 Cen	ACV:	68832	FS Cam	LB
64645	LO Vir	SRB	66682	CS CVn*	LB:	68842	V992 Cen	EB:
64653	V959 Cen	GCAS	66683	LX Mus	EA	68881	MS Vir	EW:
64712	V962 Cen	LB:	66738	IQ UMa	SRB	68904	CZ CVn	LB:
64719	V960 Cen	E	66783	LY Mus	LB	68913	DP Boo	SRB
64737	V961 Cen	ELL:	66875	LZ Vir	LB	68979	V993 Cen	ACV
64834	LP Vir	ELL:	66899	DI Boo	LB	68998	V994 Cen	SRD:
64935	LQ Vir	LB	67010	DK Boo	LB	69017	V351 Hya	LB
64941	V963 Cen	E:	67179	V977 Cen	LB:	69110	V352 Hya	LB:
64959	LR Vir	SRD	67202	V978 Cen	LB	69211	V353 Hya	EA
65035	FM Dra	SRB	67226	CD Cir	LB:	69272	V995 Cen	LB:
65069	KR Com	EB:	67238	FN Dra	LB	69348	MT Vir	LB:
65112	V964 Cen	EB	67254	MM Vir	SRB:	69403	MU Vir	E:
65122	LS Vir	SRB:	67263	CT CVn	LB	69405	DQ Boo	BY:
65225	LT Vir	SRB:	67298	V980 Cen	LB	69445	CF Cir	WR
65294	V965 Cen	ACYG:	67324	V979 Cen	EB	69451	NP Aps	LB
65296	CK CVn	LB:	67325	DL Boo	LB	69502	IU UMa	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
69539	V996 Cen	LB	71264	V1010 Cen	GCAS	73047	TU UMi	DSCTC
69557	V998 Cen	LB:	71269	FP Dra	LB:	73082	V1020 Cen	LB
69562	MV Vir	BY:	71313	CG Cir	EA	73122	NX Aps	I:
69582	V997 Cen	LBV:	71359	CH Cir	ACV	73237	FR Dra	LB:
69627	IV UMa	ELL:	71374	NT Vir	LB:	73247	CS Cir	EB
69695	DR Boo	LB	71376	SY UMi	LB:	73288	CT Cir	SRB
69712	DS Boo	LB	71390	CI Cir	LB	73346	ET Boo	EB
69828	MW Vir*	EW:	71455	NU Vir	SRD	73378	EU Boo	LB:
69847	V999 Cen	LBV:	71563	V1011 Cen	LB:	73426	V1021 Cen	SRB
69848	MX Vir	DSCTC:	71665	V1013 Cen	LB	73445	HV Lib	LB
69850	NQ Aps	SRB	71666	IS Lup	LBV	73465	HW Lib	RR:
69894	V354 Hya	E:	71668	CK Cir	BE	73474	TV UMi	EB
69956	NR Aps	LB:	71709	V1012 Cen	BE	73479	IU Lup	EA
69966	MY Vir	LB:	71712	EG Boo	LB:	73526	IV Lup	LB
69978	V1001 Cen	IA:	71727	IT Lup	ACV	73589	EV Boo	LB
69980	V1000 Cen	E	71868	NV Vir	SRB:	73595	V1022 Cen	RR:
69987	MZ Vir	LB	71900	EH Boo	LB:	73604	HX Lib	LB:
70020	NN Vir*	RRC:	71922	V1014 Cen	I:	73612	EW Boo	EA
70026	V1002 Cen	LB	71929	NT Aps	EW	73643	EY Boo	LB:
70188	NO Vir	LB	71965	EI Boo	SRD	73662	EX Boo	SRB
70198	DT Boo	ISB	71967	V1015 Cen*	CEP:	73710	HY Lib	DSCT
70240	DU Boo	EB:	72032	CL Cir	EA	73763	IW Lup	SRB
70245	SX UMi	LB:	72117	V1016 Cen	LB:	73984	HZ Lib	LB:
70248	ε Aps	GCAS:	72198	FQ Dra	ACV:	74005	II Lib	SRB
70250	V1004 Cen	LB	72208	EK Boo	SRB	74011	CU Cir	BE
70287	DV Boo	EA	72209	HT Lib	LB:	74034	TX UMi	BY:
70290	V1003 Cen	LC:	72268	NW Vir	LB:	74077	LW TrA	LB:
70370	V355 Hya	LB:	72367	CN Cir	EB	74119	IK Lib	LB:
70450	NP Vir	SRB:	72372	V1017 Cen	LB	74127	IL Lib	E
70530	IP Lup	ACV	72377	CM Cir	ACV	74147	CV Cir	BE
70547	NS Aps	LB	72391	EL Boo*	DSCT:	74152	IX Lup	LB:
70621	DW Boo	EB:	72426	EM Boo	EA	74166	IY Lup	LB:
70769	V1005 Cen	SRB	72438	CO Cir	BE	74214	EZ Boo	LB:
70772	NQ Vir	LB	72566	HU Lib	SRD	74245	IM Lib	E:
70800	DX Boo	LB	72592	CP Cir	GCAS:	74252	IZ Lup	SRB
70816	NR Vir	SRD	72616	CQ Cir	BE	74253	FF Boo	LB:
70832	V1006 Cen	SRB	72625	SZ UMi*	BY:	74337	FG Boo	LB
70840	IQ Lup	E:	72637	EN Boo	SRB	74369	KK Lup	LB
70876	DY Boo	LB	72680	EP Boo	LB:	74405	NY Aps	BY:
70902	DZ Boo	SRD	72689	EO Boo	LB:	74440	FH Boo	LB:
70932	HS Lib	LB	72710	V1018 Cen	LBV:	74451	TW UMi	LB
70999	EE Boo	LB	72757	EQ Boo	E:	74471	OP Ser	LB:
71015	FO Dra	LB:	72800	V1019 Cen	LBV	74618	OR Ser	LB:
71048	V1007 Cen	SRB:	72801	NV Aps	LB:	74633	OQ Ser	SRB
71052	NS Vir	EB	72825	NU Aps	LB:	74642	OS Ser	SRB
71077	V356 Hya	EB	72838	ER Boo	LB:	74654	CW Cir	BE
71107	EF Boo	EW	72989	CR Cir	LC:	74660	CX Cir	ACYG:
71128	IR Lup	LB:	72992	TT UMi	SRB	74673	NZ Aps	LB
71178	V1009 Cen	BY:	73034	ES Boo	LB:	74714	KL Lup	LB:
71194	V1008 Cen	BE	73041	NW Aps	EB	74807	KM Lup	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
74825	IN Lib	RR:	76822	PR Ser	LB:	78949	V2349 Oph	LB
74838	IO Lib	RS:	76828	IX Lib	LB:	78959	AD CrB	SRB:
74866	TY UMi	EA	76832	UU UMi	BY:	79038	V364 Nor	BE
74938	FS Dra	LB	76909	IY Lib	LB:	79055	V365 Nor	LB
74999	OO Aps	LB	76947	FW Dra	LB	79057	AE CrB	LB:
75035	KN Lup	BY:	76968	V359 Nor	LB	79085	V1047 Sco	I:
75054	CY Cir	LB	76970	FP Boo	EW	79101	ϕ Her*	ACV:
75187	OT Ser	BY:	76987	KV Lup	EB	79106	PW Ser	LB:
75203	FI Boo	EW:	77037	FX Dra	EB	79158	V1048 Sco	LB:
75207	KO Lup	LB:	77045	PS Ser*	E	79162	AF CrB	LB:
75224	CZ Cir	ACYG:	77199	KW Lup	BY:	79178	PX Ser	LB:
75269	OU Ser*	EW:	77227	PT Ser*	LBV	79207	V366 Nor	ACYG:
75323	γ Cir	BE:	77369	V1039 Sco	SRD:	79247	V1049 Sco	LB
75420	OP Aps	DSCTC	77445	FY Dra	LB	79253	UV UMi	LB:
75456	OV Ser	LB	77462	KX Lup	LB:	79277	PY Ser	LB
75563	IP Lib	BY:	77598	YY CrB	EW	79283	AG CrB	SRB
75584	OW Ser	LB	77605	XZ CrB	LB:	79331	V890 Her	LB:
75620	KP Lup	LB:	77645	V360 Nor	ACYG:	79347	V891 Her	LB:
75641	FK Boo	LBV	77657	KY Lup	ACV	79479	V1050 Sco	SRB
75665	LX TrA	SRD:	77691	KZ Lup	SRB	79490	V367 Nor*	LC:
75715	IQ Lib	CEP:	77841	YZ CrB	LB:	79530	V1051 Sco	SXARI
75720	FL Boo	LB:	77859	V1040 Sco	BCEP:	79543	V892 Her	SRB
75818	KQ Lup	E:	77861	IZ Lib	SRB	79712	PZ Ser	LB:
75836	IR Lib	EW:	77993	FZ Dra	LB:	79747	OR Aps	LBV:
75861	OX Ser	SRD:	78034	MM TrA	BE	79754	V368 Nor	SRB
75878	V358 Nor	LB:	78061	ZZ CrB	LB	79763	V1052 Sco	LB:
75886	TZ UMi	LB	78179	OQ Aps	LB	79880	V369 Nor	LB
75924	KR Lup	BY:	78209	AA CrB	LB:	79949	V370 Nor	LB:
75992	IS Lib	LB:	78231	MN TrA	EA	79958	V371 Nor	BY:
76036	FM Boo	LB:	78265	π Sco	EB	79992	τ Her	LBV
76042	FN Boo	BY:	78310	V361 Nor	ACYG:	80004	V1053 Sco	LB:
76044	KS Lup	LB	78491	MO TrA	SRB	80020	V893 Her	RR:
76047	FT Dra	LB	78509	V2348 Oph	LB	80060	V1054 Sco	E:
76091	OY Ser	SRB	78523	V1041 Sco	EA	80073	AH CrB	SRB
76161	IT Lib	EA:	78526	MP TrA	E:	80100	AI CrB	LB:
76243	IU Lib	LBV	78533	LL Lup	ACV:	80248	V2350 Oph	LB:
76272	FU Dra	EW	78534	V1042 Sco	LB	80302	V894 Her	SRD
76279	LY TrA	LB	78563	V1043 Sco	SRB	80395	MR TrA	ACV
76296	OZ Ser	LB	78682	MQ TrA	BE	80442	V2351 Oph	RR:
76297	γ Lup*	ELL:	78705	PU Ser	SRB	80503	UW UMi	SRB
76371	KT Lup	BE	78708	V1044 Sco	E:	80523	V895 Her	SRB
76414	XY CrB	LB:	78756	LM Lup	ACV	80531	V372 Nor	ACV:
76454	LZ TrA	LBV	78777	AB CrB	LB:	80541	V896 Her	LB:
76480	IV Lib	E:	78781	LN Lup	SRB	80545	V373 Nor	E:
76515	PP Ser	LB:	78803	V362 Nor	LC:	80557	V374 Nor*	ELL:
76538	PQ Ser	NL:	78810	V363 Nor	LB:	80580	V375 Nor	LB:
76627	FV Dra	LB	78844	AC CrB	LB:	80603	V1055 Sco	EW
76684	FO Boo	LB:	78880	V1045 Sco	LB:	80636	V1056 Sco	BY:
76694	IW Lib	RR:	78919	V1046 Sco	E	80640	V376 Nor	BE:
76762	KU Lup	ACV	78925	PV Ser	LB:	80659	V377 Nor	LC

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
80707	MS TrA	ACV:	82123	V916 Her	E:	83713	V933 Her	LB:
80714	V1057 Sco	SRB	82207	V917 Her	LB:	83714	V934 Her	SRB:
80788	V378 Nor	CEP:	82253	V918 Her	EB	83802	V851 Ara	EB
80791	V897 Her	SRD:	82335	V843 Ara	ACV	83814	V935 Her	EB
80830	V379 Nor	LB	82344	V921 Her	EB	83868	V936 Her	LB:
80876	V898 Her	BY:	82346	V919 Her	DSCTC	83891	V2365 Oph	E:
80945	V1058 Sco	ACYG	82387	V922 Her	LB:	83904	V937 Her	LB:
80961	GG Dra	EB	82390	V920 Her	E:	83943	V852 Ara	EA
80965	V380 Nor	SRB	82428	V923 Her	EB	83958	V2366 Oph	LB:
80978	MT TrA	LB:	82442	V2355 Oph	EB	83972	OW Aps	LBV
81165	V2352 Oph	BY:	82451	V1067 Sco	E:	84004	V939 Her	LB
81191	V899 Her	EW	82459	CV Oct	LB	84016	V938 Her	SRB:
81243	V901 Her	SR:	82544	V2356 Oph	LB:	84025	V853 Ara	ACV
81244	GH Dra	LB:	82650	V1068 Sco	LB	84038	V940 Her	SRD
81245	V900 Her	LB:	82720	UX UMi	LB:	84042	OX Aps	LB
81256	V1059 Sco	BE	82745	V844 Ara	LB:	84105	V854 Ara	LB
81284	GI Dra	SRD:	82769	V845 Ara	LB:	84148	V855 Ara	LB
81319	V902 Her	LB:	82776	V924 Her	SRB:	84191	V941 Her	LB:
81334	V1060 Sco	DSCTC	82819	V1069 Sco	EA:	84231	V856 Ara	LB:
81376	V840 Ara	LB	82825	V925 Her	LB:	84277	V2367 Oph	BY:
81411	V903 Her	SRB	82848	V1070 Sco	LBV	84385	V942 Her	LB
81415	V1061 Sco	LB	82868	V846 Ara	BE	84401	V1075 Sco	BE:
81420	V905 Her	LB:	82883	V927 Her	DSCT	84479	V2368 Oph	EA
81426	V904 Her	LB:	82920	V926 Her	LB:	84483	V1076 Sco	BE
81438	OS Aps	LB	82967	V2357 Oph	EW:	84504	V943 Her	LB:
81477	V1062 Sco	ACV	82982	OV Aps	ACV:	84535	λ UMi	SRB
81478	V841 Ara	BY:	82985	V847 Ara	LBV:	84595	V2369 Oph	BY:
81483	V906 Her	LB	83014	V1071 Sco	SRB	84596	V944 Her	LB
81530	OT Aps	EA	83021	V2358 Oph	LB	84642	V857 Ara	BY:
81554	MU TrA	ACV	83102	GL Dra	SRB	84650	V1077 Sco	BE
81622	V907 Her	LB:	83105	V848 Ara	BE	84686	V858 Ara	ACV
81645	V1063 Sco	GCAS	83117	V2359 Oph	LB	84726	V945 Her	LB
81694	V908 Her	BY:	83150	MX TrA	ACV	84745	V1078 Sco	BE
81700	V842 Ara	LB:	83208	V928 Her	LB:	84752	V946 Her*	LB:
81712	V1064 Sco	LB:	83209	V2360 Oph	LB:	84775	V947 Her	LB:
81743	OU Aps	ACV:	83250	V849 Ara	LC	84837	GM Dra	EW
81753	MV TrA	SRD	83255	CW Oct	ACV:	84876	V1079 Sco	LB
81842	V1065 Sco	ACV	83322	V2361 Oph	LB:	84896	GN Dra	SRB
81855	V909 Her	LB	83366	CX Oct	SRB	85022	V1080 Sco	IA:
81893	V2353 Oph	ACV	83370	V929 Her	DSCTC	85057	V948 Her	EA
81921	V1066 Sco	LB:	83416	V2362 Oph	LB:	85065	V949 Her	SRB
81938	V910 Her	LB:	83425	V930 Her	BY:	85076	GP Dra	LB
81967	V912 Her	SRD:	83457	V1072 Sco	DSCTC	85087	V2370 Oph	LB:
81968	MW TrA	LB:	83462	V931 Her	LB:	85125	GO Dra	LB
81975	V911 Her	LB:	83574	V1073 Sco	ACYG:	85189	V2371 Oph	BCEP
82029	V913 Her	LB:	83584	V932 Her	LB	85252	V950 Her	LB:
82050	V914 Her	SRD	83618	V850 Ara	LB	85277	GQ Dra	EB
82056	GK Dra	EA	83632	V2363 Oph	SRB	85344	V951 Her	LB:
82089	V2354 Oph	LB:	83638	V2364 Oph	SRB	85435	V859 Ara	LC
82103	V915 Her	LB:	83706	V1074 Sco	ACYG:	85507	V2372 Oph	LB

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
85510	V952 Her	LB:	87107	V2386 Oph	LB:	88902	V713 CrA	LB
85522	GR Dra	L	87114	V968 Her	LB	89083	GY Dra	LB
85553	V860 Ara	LB	87136	V4375 Sgr	BE	89129	V4383 Sgr	BE
85569	V1081 Sco	EA	87221	V1087 Sco	LB	89132	V985 Her	LB:
85644	V953 Her	LB:	87228	GU Dra	LB:	89142	V986 Her	LB:
85672	V954 Her	LB:	87245	V969 Her	LB:	89203	V4384 Sgr	ACYG:
85714	OY Aps	LB	87255	V1088 Sco	LB	89225	V714 CrA	ACV
85718	GS Dra	LB:	87257	V1089 Sco	ACV	89238	V4385 Sgr	ELL:
85729	V861 Ara	ACYG:	87298	V1090 Sco	E:	89243	GZ Dra	E:
85751	V862 Ara	BE:	87302	V868 Ara	BE	89271	V987 Her	LB
85812	V2373 Oph	EB	87446	V970 Her	LB:	89316	V355 Pav	LB:
85820	V863 Ara	SRB:	87474	V2387 Oph	LB	89404	V4386 Sgr	E:
85849	OZ Aps	EA	87541	GW Dra	DSCTC	89416	V356 Pav	E:
85895	V864 Ara	BE	87576	GV Dra	EA	89470	V4387 Sgr	ACV
85904	V955 Her	LB:	87580	V1091 Sco	ACV	89510	V4388 Sgr	LB:
85905	V2375 Oph	LB	87655	V2388 Oph	EB	89527	V2392 Oph	SRB:
85925	V2374 Oph	SRD	87797	V2389 Oph	SRB	89605	QV Tel	BE
85944	V2377 Oph	EB	87886	V1092 Sco	LBV	89645	V527 Lyr	LB:
85968	V865 Ara	SRB	87908	V971 Her	SRB	89662	V4389 Sgr	SRB:
85974	V2376 Oph	LB:	87933	ξ Her	SRD	89753	QR Ser	EB:
85992	V957 Her	LB	87958	V972 Her	EW	89816	QS Ser	EA:
85997	V2378 Oph	E:	87999	V2390 Oph	LB:	89862	V988 Her	EA
86000	V956 Her	LB:	88067	V973 Her*	SRB:	89955	V715 CrA	ACV:
86073	V958 Her	LB:	88073	V4376 Sgr	ELL:	89999	V989 Her	LBV
86084	V2379 Oph	E:	88118	V353 Pav	I:	90001	V4390 Sgr*	EB
86085	V2380 Oph	LB	88172	V974 Her	BE	90026	QW Tel	EB
86153	V959 Her	SRC	88181	V975 Her	LB	90043	V4391 Sgr	SRB
86163	V1082 Sco	E:	88182	V4377 Sgr	LB:	90100	V4392 Sgr	SRD:
86200	V866 Ara	ACV:	88308	V976 Her	LB:	90108	QX Tel	SRD
86253	V1083 Sco	BE	88326	QQ Ser	LB:	90113	V4393 Sgr	LB:
86294	V1084 Sco	EW:	88341	V4378 Sgr	LB	90170	V528 Lyr	SRB
86374	V2381 Oph	RR:	88394	V977 Her	LB	90254	V716 CrA	LB:
86392	V960 Her	SRD	88411	GX Dra	SRD	90259	V4394 Sgr	EB:
86395	V962 Her	SRB:	88434	V978 Her	LB	90293	V529 Lyr	ACV
86434	V1085 Sco	LB:	88491	V869 Ara	LC	90338	V990 Her	EA:
86439	V961 Her	SRB	88517	V711 CrA	EB	90409	V993 Her	LB:
86450	GT Dra	IA:	88537	V979 Her	DSCTC	90417	V991 Her	SRD:
86487	V2382 Oph	BE	88563	V980 Her	LB	90420	V992 Her	SRD
86509	V2383 Oph	BY:	88601	V2391 Oph*	BY:	90463	HH Dra	LB
86588	V963 Her	LB	88615	V4379 Sgr	BE:	90483	V994 Her*	EA
86658	V867 Ara	EW	88620	V354 Pav	LB	90646	V4395 Sgr	SRB
86672	V2384 Oph	E	88711	V712 CrA	SRC	90671	V4396 Sgr	EA
86709	V965 Her	SRC:	88722	V982 Her	LB	90723	V530 Lyr	LB:
86710	V964 Her	LB	88761	V983 Her	LB	90761	QT Ser	ISA:
86711	V966 Her	DSCTC	88769	V981 Her	LB:	90768	V448 Sct	BE
86712	PP Aps	EA	88789	V4380 Sgr	LB	90770	V995 Her	LB:
86751	V1086 Sco	LB	88823	V984 Her	LB:	90797	ν Pav	LBV
86846	V967 Her	LB:	88853	V870 Ara*	EW:	90803	V996 Her	LB:
86964	V2385 Oph	BE	88876	V4381 Sgr	ACYG:	90811	V4397 Sgr	SRB
87043	V352 Pav	DSCTC	88884	V4382 Sgr	BCEP	90815	V357 Pav	ACV:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
90880	V531 Lyr*	E:	92510	V457 Sct	GCAS:	94588	V1447 Aql	LBV:
90907	V449 Sct	ACYG:	92513	V540 Lyr	LB	94596	V1448 Aql	BE:
90913	V450 Sct	SRD	92523	HO Dra	LB	94619	V554 Lyr	ACV:
90950	V4398 Sgr	ACYG	92537	V539 Lyr	EA	94693	V367 Pav	EB
90970	V532 Lyr	BE	92629	V363 Pav	EA	94702	V336 Tel	BY:
90971	V2393 Oph	ACV	92649	V4407 Sgr	EB	94743	V2077 Cyg	E:
90972	HI Dra	RRC	92699	V1003 Her	DSCTC:	94793	V1449 Aql	BCEP
90990	QU Ser	ACV	92700	V541 Lyr	LB	94824	V1450 Aql	EB:
91001	V451 Sct	ACV	92715	V1435 Aql	LB:	94862	V555 Lyr	LB
91020	V4399 Sgr	EA:	92776	V4408 Sgr	LBV:	94897	HT Dra	LB:
91052	HL Dra	EB	92835	HP Dra	EA	94969	V389 Vul	SRB
91061	HK Dra	LB	92836	V1436 Aql	E:	94978	HV Dra	SRD+E:
91071	V997 Her	SRB	92889	HQ Dra	LB:	95036	V4412 Sgr	LB:
91130	V4400 Sgr	BE	93082	CY Oct	LB	95049	V1451 Aql	LB
91135	V4401 Sgr	SRB	93092	V335 Tel	LB:	95063	V4414 Sgr	SRB
91140	V998 Her	E:	93104	V542 Lyr	EA	95075	V4413 Sgr	LB:
91193	V358 Pav	LB:	93145	HR Dra	LB	95082	V1452 Aql	CEP:
91206	V4402 Sgr	LB	93177	V543 Lyr	BCEP:	95160	V368 Pav	EB:
91224	QV Ser	ACV	93210	V545 Lyr	LBV:	95187	V2078 Cyg	BY:
91250	V533 Lyr	EB	93214	V544 Lyr	DSCTC	95226	V4415 Sgr	SRB
91292	V717 CrA	SRD	93215	V1437 Aql	BE	95252	V4416 Sgr	SRB
91335	HM Dra	SRD	93222	V546 Lyr	LB:	95313	V4417 Sgr*	E:
91359	V534 Lyr	ACYG:	93259	V1438 Aql	DSCTC	95320	HU Dra	SRB
91422	V999 Her	LB:	93270	V387 Vul	LB	95403	V370 Pav	LC
91477	V452 Sct	ACYG:	93272	V364 Pav	LBV:	95405	V369 Pav	LB:
91494	V718 CrA	LB:	93309	V547 Lyr	LB	95459	V556 Lyr	EB
91516	V359 Pav	LB	93349	V1439 Aql	EB:	95479	V371 Pav	LB
91578	QY Tel	EA	93359	V548 Lyr	SRB	95499	V1453 Aql	LB:
91671	V535 Lyr	LBV	93633	V549 Lyr	DSCTC:	95512	V390 Vul	ACV:
91718	V4403 Sgr	EA	93696	V4409 Sgr	BE	95537	V557 Lyr	SRD
91728	V453 Sct	LB	93724	V1440 Aql	ELL:+NL:	95543	V2079 Cyg	ACV:
91777	V719 CrA	BE	93732	V1441 Aql	EB	95547	V1454 Aql	E:
91789	V536 Lyr	LB	93773	V1442 Aql	LB:	95578	V337 Tel*	DSCT:
91813	V360 Pav	LB	93786	V365 Pav	LB:	95588	V1455 Aql	EA:
91832	QZ Tel*	EB	93808	V550 Lyr*	LBV	95592	V372 Pav	SRB
91871	V454 Sct	SRB	93893	V720 CrA	LB	95611	V2080 Cyg	EA
91970	V1000 Her	SRD	93903	ι Lyr	BE	95635	V338 Tel	LB
91983	HN Dra	RR:	93907	V551 Lyr	ELL:	95673	V558 Lyr	BE
92048	V537 Lyr	LB:	93931	V4410 Sgr	LB:	95691	V2081 Cyg	CEP:
92066	V4404 Sgr	ACV	94011	V1443 Aql	GCAS:	95716	V1456 Aql	SRB
92079	V4405 Sgr	SRB:	94169	V1444 Aql	ACV:	95748	V1457 Aql	SRB
92128	V455 Sct	GCAS	94294	V1445 Aql	LB:	95779	V4418 Sgr	LB:
92142	V4406 Sgr	SRB	94354	V552 Lyr	LB	95833	V2082 Cyg	ELL
92148	V361 Pav	LB	94361	HS Dra	LB	96011	V2083 Cyg	EA
92151	V1434 Aql	LB:	94377	V338 Sge	E:	96034	V391 Vul	LBV
92237	V1001 Her	LB	94384	V1446 Aql	BE	96065	V339 Tel	SRB
92330	V362 Pav	E	94427	V388 Vul	ACV:	96111	V4419 Sgr	SRB
92335	V538 Lyr	LB	94443	V366 Pav	LB:	96189	V2084 Cyg	DSCTC
92374	V1002 Her	EA	94474	V553 Lyr	LB	96228	V392 Vul	ACV:
92423	V456 Sct	LB	94537	V4411 Sgr	E:	96309	V1458 Aql	SRA

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
96350	HW Dra	LB	98156	V2095 Cyg	ACV:	99720	V1477 Aql	CEP:
96429	HX Dra	LB:	98267	V374 Pav	LB:	99754	V1479 Aql	LB:
96493	V393 Vul	BY:	98283	V2098 Cyg	LB	99755	V1478 Aql	LB
96533	V2085 Cyg	LB	98289	V2097 Cyg	LBV	99758	V378 Pav	SRB
96547	HY Dra	SRB	98297	IL Dra	LB:	99863	IP Dra	EB
96599	V339 Sge*	LC	98379	V2100 Cyg	LBV:	99890	V1480 Aql	LB
96682	V1459 Aql	LB:	98422	V2099 Cyg	SRB:	99920	V4434 Sgr	LB
96687	V2086 Cyg	LB:	98424	V2101 Cyg	LB	99953	V2113 Cyg	BE
96688	V340 Sge	LC:	98500	V345 Tel	LB	99983	V1481 Aql	LB
96872	V2087 Cyg	LB	98504	V397 Vul	ELL:	99995	LZ Del	GCAS
96873	V4420 Sgr	SRB:	98538	V1469 Aql	LB	100024	V4435 Sgr	LB
96875	V340 Tel	BY	98539	V4428 Sgr	EA	100051	V2114 Cyg	LB
96916	V1460 Aql	LB:	98542	V1468 Aql	LB	100107	BF Cap	EB
96966	V2088 Cyg	DSCTC:	98603	V2102 Cyg	LB	100119	V4436 Sgr	LB:
96983	V4421 Sgr	LB	98611	V2104 Cyg	IA	100140	V2115 Cyg	LB:
96984	V341 Sge	GCAS:	98635	V2103 Cyg	BE	100187	DE Oct	RRC:
96989	V2089 Cyg	SRB	98729	V2105 Cyg*	ACYG:	100234	BG Cap	SRD:
97032	V341 Tel	LB	98811	V375 Pav	BY:	100242	V2116 Cyg	SXARI:
97059	V1462 Aql	BE	98815	V346 Tel	LB:	100253	V4437 Sgr	EB
97065	V1461 Aql	EA	98826	V1470 Aql*	E	100308	V2117 Cyg	SXARI:
97117	V1463 Aql	BE	98832	DD Oct	E:	100383	MM Del	LB:
97135	V342 Sge	SRB	98893	V1471 Aql	EB:	100389	V379 Pav	LB:
97142	V2090 Cyg	LB	98902	V2106 Cyg	LB	100413	V4439 Sgr	SRB:
97159	CZ Oct	LB	98932	IM Dra	SRB	100422	V4438 Sgr	LB
97263	HZ Dra	EA	98954	V1472 Aql*	E:	100468	MN Del	SRB
97303	V4422 Sgr	LB:	99037	IN Dra	DSCTC	100548	V2118 Cyg	ACYG:
97460	V4423 Sgr	LB:	99042	V4429 Sgr*	SRD:	100550	V1482 Aql	SRB
97481	V342 Tel	LB	99176	V344 Sge	LB	100574	V2119 Cyg	BE
97500	V394 Vul	E:	99246	V2107 Cyg	EB	100576	V380 Pav	LB:
97501	V2091 Cyg	LB:	99249	BC Cap	SRB	100665	V347 Tel	LB
97583	V343 Tel	EB	99250	V1473 Aql	LBV:	100719	V399 Vul	EA:
97584	V2092 Cyg	LBV	99252	V2109 Cyg	DSCT	100732	V4441 Sgr	LB
97600	V1464 Aql	RRC:	99279	V2108 Cyg	EB	100743	V4440 Sgr	LB:
97651	V2093 Cyg	LB	99358	V376 Pav	LB	100744	V2120 Cyg	GCAS
97664	V1465 Aql	ACV:	99365	BD Cap	DSCTC	100746	V413 Cep	E:
97670	V343 Sge	E:	99370	V2110 Cyg	LBV	100802	MO Del	BY:
97678	II Dra	SRD:	99381	V412 Cep	LB	100813	V4442 Sgr	LB:
97679	V395 Vul	BE	99402	V398 Vul*	LBV:	100859	V2121 Cyg*	RRAB:
97681	V396 Vul	BE	99403	V2112 Cyg	LB	100868	V4443 Sgr	LB
97787	V1466 Aql	BE:	99408	V4430 Sgr	LB	100869	BH Cap*	EB:
97803	V373 Pav	LB:	99415	V2111 Cyg	LBV	100921	V348 Tel	LB:
97923	V4424 Sgr	RRAB	99456	V1474 Aql	LB	100926	V1483 Aql	LB:
97935	V344 Tel	LB	99457	BE Cap	BE:	100981	MP Del	EA
98021	V4425 Sgr	SXPHE:	99533	V1475 Aql	LB	101064	V381 Pav	LB
98028	V2094 Cyg	ACV	99547	V1476 Aql	LB:	101068	V2122 Cyg	ACV:
98060	V1467 Aql	LB:	99553	V4431 Sgr	SRD	101185	BK Ind	EA
98088	V4426 Sgr	SRB	99568	V4432 Sgr	LB:	101195	MQ Del	SRD
98095	IK Dra	LB:	99606	V4433 Sgr	IB:	101236	MR Del	EA
98113	V4427 Sgr	LB	99615	V377 Pav	ACV	101238	MS Del	LB
98121	V2096 Cyg	SRD	99640	IO Dra	DSCTC:	101277	BI Cap	LB:

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
101286	V382 Pav*	DSCT:	102723	BM Cap	E	105162	V2150 Cyg*	EW:
101303	V383 Pav	LB:	102770	IQ Aqr	SRB	105193	V422 Cep	LB
101316	MT Del	LB	102777	IP Aqr	LB	105230	V2151 Cyg	NL:
101366	BL Ind	LB	102827	V2136 Cyg	E:	105324	BN Cap*	IB:
101369	MU Del	BY:	102844	NO Del	LB	105337	V423 Cep	LB
101405	BK Cap	LB:	102866	V385 Pav	LB	105389	IX Aqr	LB
101411	V2123 Cyg	BE	102895	BP Ind	BY:	105404	BS Ind	EA
101412	V2124 Cyg	LB	102926	V417 Cep	GCAS:	105441	V390 Pav	BY:
101439	V2126 Cyg	EB:	102943	V418 Cep	BE	105448	V2152 Cyg	ACV:
101474	V2125 Cyg	LC	102984	DH Oct	LB:	105464	CD Mic	E:
101512	MV Del	SRB:	103013	V2137 Cyg	LB:	105468	V391 Pav	LB:
101569	V2127 Cyg	ACV:	103026	IR Aqr	LB	105565	V2153 Cyg	BE
101572	DF Oct	LB:	103083	NP Del	ELL:	105575	IY Aqr	LB
101615	MW Del	SRB:	103126	V2138 Cyg	ACV:	105581	DI Oct	SRD
101632	V2128 Cyg	LB:	103168	BY Mic	LB:	105584	V2154 Cyg	EA
101639	V1484 Aql	LB:	103185	NQ Del	LB:	105614	SY Equ	BCEP
101657	MX Del	EB	103277	V2139 Cyg	BE	105623	NT Peg	BE
101678	BS Mic	LB	103290	BQ Ind	SXPHE	105648	CE Mic	BY:
101705	V384 Pav	LB:	103312	V2140 Cyg	ACYG:	105690	V424 Cep	EA
101862	V2129 Cyg	DSCTC	103320	V386 Pav	EW	105699	V2155 Cyg	GCAS
101926	IM Aqr	LB	103417	NR Del	LB	105741	V2156 Cyg	BE
101949	V2130 Cyg	SXARI:	103447	IS Aqr	LB	105788	CF Mic	LB
101960	IQ Dra	SRB:	103476	V2141 Cyg	LB	105811	V2157 Cyg	ACYG:
101968	BU Mic	DSCTC	103553	V387 Pav	LB	105846	V2158 Cyg	LB
101977	BT Mic	EB	103586	SX Equ	LB:	105866	V2159 Cyg	ACV:
101988	IN Aqr	LB	103625	BZ Mic	LB	105934	V425 Cep	LBV
102037	V400 Vul	EA:	103645	V2142 Cyg	SRB	105949	V426 Cep	LB
102041	IO Aqr	EA	103667	V2143 Cyg	LB:	105958	NU Peg	LB:
102064	BM Ind	LB	103700	V2144 Cyg	GCAS:	105960	V427 Cep	EB:
102160	BN Ind	SRB	103769	IT Aqr	SRB	105963	V2160 Cyg	BY:
102217	BL Cap	RR:	103803	V388 Pav	DSCTC	106009	V2161 Cyg	LBV
102238	V401 Vul	BY:	103851	IU Aqr	LB	106062	NV Peg	SRB
102256	BV Mic	EA:	103873	V2145 Cyg	LB	106077	CL Gru	SRB
102330	MY Del	LB:	104043	α Oct*	EB	106079	V2162 Cyg	BE
102353	BO Ind	EW	104130	V2146 Cyg	SRA	106145	V2163 Cyg	BE
102355	BW Mic	SRD:	104135	V403 Vul	EB	106200	V428 Cep	EB
102358	V414 Cep	SRB:	104175	V404 Vul	SRD	106211	V2164 Cyg	LB:
102397	V2131 Cyg	LB	104183	V389 Pav	LB:	106232	NW Peg	SRB
102412	BX Mic	EB:	104196	V2147 Cyg	ACV:	106242	NX Peg	LB:
102427	MZ Del	EB	104279	IV Aqr	LC	106285	V429 Cep	ACYG:
102428	DG Oct	LB:	104478	NR Peg	EB:	106316	BT Ind	SRB
102445	V415 Cep	EA	104483	V2148 Cyg	EA	106360	V392 Pav	SRB
102457	V2132 Cyg	LB	104604	BR Ind	EA	106400	V430 Cep	BY:
102524	V2133 Cyg	EA	104719	V419 Cep	LC:	106476	V2165 Cyg	EA
102545	NN Del	EA	104883	V420 Cep	GCAS	106544	IZ Aqr	LB:
102558	V416 Cep	SRB:	104923	NS Peg	LB:	106579	NY Peg	SRB
102589	λ Cyg	BE	105010	V2149 Cyg	GCAS	106600	BO Cap	LB:
102622	V2134 Cyg	EB	105019	IW Aqr	LB:	106604	V431 Cep	ACV
102650	V402 Vul	EB:	105058	CC Mic	E:	106620	V2166 Cyg	BE
102700	V2135 Cyg	BE	105091	V421 Cep*	BE:	106652	CM Gru	SRB

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
106662	V2167 Cyg	LBV	108776	V393 Lac	I:	110346	PT Peg	SRB
106694	V2168 Cyg	BY:	108807	OV Peg	LB:	110364	DN Oct	SRB:
106712	V433 Cep	GCAS:	108844	KL Aqr	LB	110388	KT Aqr	LB:
106716	V432 Cep	BE	108888	V394 Lac	EB	110408	V405 Lac	LBV
106739	BP Cap	LB	108909	KM Aqr	LB:	110464	PU Peg	EB
106764	BQ Cap	EA	108911	V395 Lac	ACYG:	110500	V406 Lac	ACYG:
106812	V2169 Cyg	EB	108938	V442 Cep	EB	110528	KU Aqr	LB
106897	NZ Peg	RR:	108943	OW Peg	LB:	110569	PV Peg	LB
106929	UX PsA	LB:	108957	V443 Cep	EA	110596	PW Peg	LB:
106964	V434 Cep	E	108982	VW PsA	LB:	110617	PX Peg	LB:
107054	UY PsA	LB:	109020	V396 Lac	IA:	110622	V407 Lac	ELL:
107099	OO Peg	EA	109072	OX Peg	LB:	110662	V450 Cep	BE
107135	UZ PsA	LB	109113	V397 Lac	BE	110699	V408 Lac	GCAS
107161	V2170 Cyg	LB	109124	V444 Cep	ELL:	110703	CT Gru	LB
107202	OP Peg	LB:	109191	V445 Cep	ELL:	110707	KV Aqr*	E:
107349	BU Ind	LB:	109193	V398 Lac	EA	110842	DK Tuc	E:
107353	V435 Cep	BE	109201	KN Aqr	LB	110881	KW Aqr	LB
107473	V436 Cep	SRB	109205	V399 Lac	ACYG:	110921	V409 Lac	GCAS
107523	BV Ind	LB:	109212	OY Peg	LB	110948	V410 Lac	LB
107530	BR Cap	LB:	109238	V400 Lac	LBV:	110968	V411 Lac	DCEPS
107532	V2171 Cyg	LB	109282	VX PsA	LB:	111022	V412 Lac*	LC
107725	V437 Cep	LB:	109283	V401 Lac	EA	111071	V413 Lac*	ELL
107745	CN Gru	LB	109311	V446 Cep	EA	111119	PY Peg	LB
107823	DK Oct	LBV	109325	BY Ind	LB	111162	KX Aqr	EA
107845	BS Cap	LB	109354	V402 Lac	EA	111190	CU Gru	LB:
108022	OQ Peg	BE	109376	OZ Peg	SRB	111219	CV Gru	LB:
108061	OR Peg	LB	109382	KO Aqr	SRB	111250	V451 Cep	LB
108128	CO Gru	SRB	109395	KP Aqr	LB:	111315	KY Aqr	LB:
108133	V438 Cep	SRB	109437	PP Peg	LB	111360	V414 Lac	ACV
108192	DL Oct	LB	109476	KQ Aqr	ACV:	111365	KZ Aqr	SRB
108236	BT Cap	SRB:	109492	ζ Cep*	E:	111454	LL Aqr	EA
108274	BU Cap	LB	109505	V447 Cep*	LBV:	111523	PZ Peg	LB:
108286	OS Peg	LB:	109547	DF Tuc	LB:	111581	LM Aqr	SRB
108298	BV Cap	LB	109580	BZ Ind	LB:	111606	LN Aqr	BY:
108326	V2172 Cyg	BE	109594	CQ Gru	LB:	111610	CW Gru	SRB
108348	V2173 Cyg	LBV	109606	V448 Cep*	E:	111647	LO Aqr	IB
108476	V2174 Cyg*	ACYG:	109613	KR Aqr	LB	111718	CX Gru	ELL:
108486	CP Gru	EA	109666	CR Gru	LB	111771	CY Gru	LB
108494	BW Cap	LB	109763	DG Tuc	LB	111785	V415 Lac	BE
108524	BW Ind	SRD:	109770	DH Tuc	LB	111795	V416 Lac	LB
108546	V439 Cep	BE:	109802	V403 Lac	LB:	111809	VZ PsA	EA
108562	KK Aqr	LB	109884	VY PsA	EB	111856	CZ Gru	SRB
108576	OT Peg	BY:	109901	CS Gru	BY:	111877	V417 Lac	LB
108588	OU Peg	LB	109955	DI Tuc	LB	111907	V418 Lac	LB
108597	VV PsA	BE	110037	KS Aqr	LB:	111932	QQ Peg*	BY:
108646	V441 Cep	EA	110058	PQ Peg	LB	111957	QR Peg	LB:
108714	V440 Cep	ACYG:	110163	PR Peg	CEP:	111989	DD Gru	LB
108738	V2175 Cyg*	BE	110177	V404 Lac	BE	112047	V419 Lac	LB:
108741	BX Ind	DSCTC	110200	V449 Cep	ACYG:	112050	QS Peg	LB:
108768	DM Oct	BY:	110251	PS Peg	SRB	112058	QT Peg	EA

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
112078	LP Aqr	LB	114206	BN Scl	EA	115952	V814 Cas	LB
112088	V452 Cep	SRD	114217	DK Gru	SRB:	115991	V352 Peg	ACV:
112205	DE Gru	LB	114305	V381 And	E	116103	CG Phe*	SXPHE:
112212	QU Peg	LB	114344	V457 Cep	LBV	116105	BT Scl	LB:
112250	QV Peg	LB:	114368	V344 Peg	LB:	116108	V353 Peg	EB
112261	V420 Lac	SRD:	114384	V382 And	EB	116119	V354 Peg	ACV
112294	QW Peg	LB	114400	BO Scl	LB	116153	V389 And	E
112312	WW PsA	BY+UV	114404	V345 Peg	LB	116223	DM Psc	SRB
112339	V421 Lac	LB	114407	DL Gru	LB	116228	V390 And	SRB
112399	QX Peg	LB:	114414	BP Scl	LB:	116411	V391 And	LB
112420	LQ Aqr	LB	114426	LS Aqr	L	116435	V355 Peg	SRD
112574	QY Peg	LB	114427	DO Tuc	BY:	116507	V815 Cas	LB:
112698	V422 Lac	IA:	114451	DP Oct	LB	116622	V460 Cep	LB
112781	ξ Oct	LBV	114489	DL Psc	LB	116640	CH Phe	LB:
112830	DL Tuc	BY:	114552	V807 Cas	ELL:	116685	V392 And	E
112877	DG Psc	LB:	114580	DP Tuc	LB:	116716	V393 And	LB:
112919	QZ Peg	LB:	114608	V346 Peg	LB	116748	DS Tuc	RS:
112960	V335 Peg	E:	114698	V347 Peg	SRD	116870	V394 And	LBV
112972	V453 Cep*	EA	114716	DQ Tuc	BY:	116948	V816 Cas	LB
113065	V454 Cep*	EA:	114736	DM Gru	BY:	117099	CI Phe	SRB:
113095	DH Psc	LB:	114791	V458 Cep	WR	117111	V395 And	RRC:
113139	V336 Peg	LB	114815	V808 Cas	BE:	117161	V356 Peg	LB:
113226	V423 Lac	BE	114850	V383 And	LB:	117185	V357 Peg	EW
113263	V455 Cep	ACYG	114889	DO Oct	SRB:	117205	V817 Cas	BE
113288	V424 Lac	LC	114917	CC Ind	SRB:	117239	V358 Peg	SRB
113316	V456 Cep	ACV:	114946	DN Gru	LB:	117244	V359 Peg	SRB
113321	V337 Peg	LB	114975	V348 Peg	LB:	117276	CK Phe	LB
113330	DM Tuc	LB	114985	V349 Peg	SRB:	117311	DN Psc	LB:
113410	V338 Peg	LB:	115141	V809 Cas	LC	117413	V360 Peg	RV:
113442	DF Gru	EA	115176	BQ Scl	LB:	117431	DT Tuc	LB:
113532	WX PsA	DSCTC	115224	V810 Cas	BE	117459	DO Psc	BY:
113549	WY PsA	LB:	115244	V811 Cas	BE	117469	V461 Cep	LB:
113556	DI Psc	LB:	115262	V459 Cep	DSCTC	117514	V818 Cas	BE
113558	V339 Peg	LB:	115267	V812 Cas	ACV	117520	DU Tuc	SRB
113640	V378 And	BE	115368	V813 Cas	BE	117618	V361 Peg	LB
113667	DK Psc	LB:	115392	DO Gru	LB:	117632	V362 Peg	LB:
113683	DG Gru	BY:	115433	DR Tuc	LB	117647	V396 And	DSCTC
113687	V340 Peg	LB	115504	V384 And	LB:	117669	CL Phe	BY:
113897	V806 Cas	E:	115530	V385 And	LB	117670	V462 Cep	EB
113968	DH Gru	BY:	115541	V386 And	SRB	117691	V397 And	LB:
114022	WZ PsA	LB	115563	V350 Peg	DSCTC	117718	φ Peg	SRB:
114024	V341 Peg*	ELL	115565	BR Scl	LB:	117738	LV Aqr	SRB:
114094	LR Aqr	SRB	115609	DQ Oct	SRB	117744	V398 And	LB:
114100	V379 And	IA:	115627	V351 Peg	RRC	117747	LW Aqr	LB
114106	V380 And	LBV	115643	V387 And	LB	117769	V399 And	LB
114127	DI Gru	E:	115647	DP Gru	EA	117830	V819 Cas	ACYG:
114175	DN Tuc	E:	115657	LT Aqr	LB	117853	DV Tuc	ACV
114187	V343 Peg	EA:	115755	V388 And	ACV:	117871	DW Tuc	LB:
114189	V342 Peg*	ELL:	115844	LU Aqr	SRD	117986	V363 Peg	SRB
114196	BM Scl	LB:	115858	BS Scl	DSCTC	118002	LX Aqr	SRB

Table 1 (cont.)

HIP	GCVS	Type	HIP	GCVS	Type	HIP	GCVS	Type
118096	DX Tuc*	EW:	118223	V821 Cas	EA	118307	DQ Psc	SRB
118139	V820 Cas	BE	118238	V400 And	E			
118222	DP Psc	SRD	118277	BU Scl	LB:			

Remarks to Table 1

- HIP 000940 = V742 Cas SB, $P_{orb} = 55^d9212$.
- HIP 001805 = V745 Cas Component B of the double system observed brighter than in the Hipparcos Input Catalogue.
- HIP 001921 = V746 Cas SB, $P_{orb} = 27^d8$.
- HIP 002164 = BC Scl May be eclipsing.
- HIP 002271 = V747 Cas VB. The variability may be due to the fainter component.
- HIP 002274 = CL Cet Type ELL: is also possible.
- HIP 003414 = π Cas SB, $P_{orb} = 1^d9642$.
- HIP 007330 = BI Scl Type E: is also possible.
- HIP 008182 = V547 Per High proper motion (LTT 10610) not confirmed by Hipparcos data.
- HIP 008796 = α Tri SB, $P_{orb} = 1^d767$.
- HIP 009150 = V369 And VB (0'1, 128°, 1986.9).
- HIP 009867 = V374 And Not identical with BD+44°422.
- HIP 013199 = EE Cet The variability may be due to the fainter (B) component.
- HIP 014700 = CP Oct Variability type and spectral type (F2/F3Ib/II) do not agree.
- HIP 014915 = EL Cet SB2.
- HIP 017666 = V580 Per The variability may be due to the fainter (B) component.
- HIP 018593 = CZ Cam $P = 267^d79$, semiregular behavior unusual for B5 stars.
- HIP 019335 = V582 Per A single deep minimum at the bottom of the small-amplitude (5^m63 – 5^m64) wave.
- HIP 020963 = V1144 Tau SB, $P_{orb} = 13^d88$.
- HIP 021063 = RX Cae Variability type and spectral type (F3/F5II) do not agree.
- HIP 021575 = V1148 Tau Type LBV: is also possible. SB, $P_{orb} = 2^d2075$.
- HIP 021810 = V1152 Tau Type E: with $P = 11^d080$ is also possible.
- HIP 022050 = V592 Per VB (0'2, 197°, 1989.7).
- HIP 022326 = HV Eri Type RRC: is also possible.
- HIP 023196 = VW Pic Variability may be due to component B.
- HIP 024186 = VZ Pic Kapteyn's star.
- HIP 024710 = VW Col Variability may be due to component B.
- HIP 026263 = V1377 Ori SB?, $P_{orb} \sim 5^d5$ – 6^d5 .
- HIP 026282 = V1161 Tau Variability needs confirmation.
- HIP 026354 = V431 Aur $P = 16^d86$ detected in Hipparcos data.
- HIP 026606 = V433 Aur SB?
- HIP 027309 = V1380 Ori In a bright nebula.
- HIP 028440 = AN Men Type RRC: is also possible.
- HIP 030426 = IU CMa Type LBV: is also possible.
- HIP 032839 = V741 Mon Type ACV: is also possible.
- HIP 033166 = QX Gem Type ACV: is also possible.
- HIP 033864 = V360 Pup Type ACV: is also possible.
- HIP 034116 = V750 Mon In the region of the nebula IC 2177.
- HIP 034684 = V753 Mon Type ACV: is also possible.

- HIP 034836 = V364 Pup** The preceding component of the northern star in the system of two CoD-CPD objects, CoD-36°3425 and CoD-36°3426 (CPD-36°1171 and CPD-36°1172). The cross-identifications of these CoD and CPD objects differ from one source to another; our adopted identification is based on the paper editions of the catalogues.
- HIP 035015 = MO CMa** The amplitude can have been overestimated (M. Grenon, private communication).
- HIP 035415 = τ CMa SB**, $P_{orb} = 154^d90$.
- HIP 035776 = BO CMi** Several episodes of outburst-like activity.
- HIP 035795 = NO CMa** Type LBV: is also possible.
- HIP 036728 = V376 Pup** Type ACV: is also possible.
- HIP 036981 = V378 Pup** Type BE is also possible.
- HIP 037197 = V345 Gem** The variability may be due to the fainter (B) component.
- HIP 037925 = V393 Pup SB**, $P_{orb} = 2^d5248$.
- HIP 038070 = σ Pup** Type EA: is also possible.
- HIP 039637 = V419 Pup** Not a nearby star (despite having a Gl number).
- HIP 042554 = CW Lyn** Type RRC: is also possible.
- HIP 043071 = OQ Vel** The type is doubtful.
- HIP 043199 = FV Cnc** The type is doubtful.
- HIP 048665 = V491 Car** Mean magnitude 9^m69 .
- HIP 048832 = V493 Car SB**, $P_{orb} = 3^d368$.
- HIP 049945 = V498 Car** Type BE: is also possible.
- HIP 050097 = GM UMa SB**, discrepant $P_{orb} = 3^d2424$.
- HIP 053938 = V360 Vel** Several close companions.
- HIP 054165 = HH UMa** Type EW: is also possible.
- HIP 054723 = FL Leo** Variability range according to *E.M. Halbedel*, IBVS No. 3502, 1990.
- HIP 055030 = HN UMa** Type DSCT: is also possible.
- HIP 055031 = V902 Cen VB**, $\rho = 12''$. Variability may be spurious.
- HIP 055078 = V534 Car** Flare-like activity.
- HIP 057067 = V915 Cen** The variability type is not quite consistent with the spectral type (B9II/III).
- HIP 057480 = FX Leo** Not a nearby star (despite having a Gl number).
- HIP 057731 = HU UMa VB A** (B = GSC 3014.0222 = L265-581, $24''$, 250° , common proper motion).
- HIP 057737 = V921 Cen** High proper motion (LTT 4397) not confirmed by Hipparcos data.
- HIP 058587 = TY Crv SB2**.
- HIP 059665 = KU Mus** Type RV: is also possible.
- HIP 061237 = II UMa** Type RR: is also possible.
- HIP 061362 = V933 Cen** Hipparcos data contradict the luminosity class V.
- HIP 062918 = DU Cru** The identification with NSV 06012 (SIMBAD) is wrong.
- HIP 066078 = LV Vir** Type RR: is also possible.
- HIP 066682 = CS CVn** Hipparcos data contradict the luminosity class V.
- HIP 069828 = MW Vir** Type DSCTC: is also possible.
- HIP 070020 = NN Vir** Type EW: is also possible.
- HIP 071967 = V1015 Cen** Variability type and luminosity class (III) do not agree.
- HIP 072391 = EL Boo** Type E: is also possible.
- HIP 072625 = SZ UMi** Variability needs confirmation.
- HIP 075269 = OU Ser SB2**.

- HIP 076297** = γ **Lup** SB, $P_{orb} = 2^d8081$.
HIP 077045 = **PS Ser** Both components are SB systems, $P_{orb}(A) = 15^d888$, $P_{orb}(B) = 13^d561$.
HIP 077227 = **PT Ser** SB, $P_{orb} = 38^d937$.
HIP 079101 = ϕ **Her** SB, $P_{orb} = 560^d5$.
HIP 079490 = **V367 Nor** Maybe not a supergiant.
HIP 080557 = **V374 Nor** Type LBV: is also possible.
HIP 084752 = **V946 Her** Not Wolf 688, a large-proper-motion star, which is at $17^h19^m28^s.9$, $+33^\circ05'10''$ (epoch and equinox 2000.0).
HIP 088067 = **V973 Her** Suspected rapid brightness variations.
HIP 088601 = **V2391 Oph** $P_{orb} = 88.13$ yr. Component B is a suspected variable star (NSV 24260) and may be the cause of variations.
HIP 088853 = **V870 Ara** Type DSCT: is also possible.
HIP 090001 = **V4390 Sgr** SB2 and speckle binary.
HIP 090483 = **V994 Her** The secondary component of the double system may also vary.
HIP 090880 = **V531 Lyr** Minima observed only between JD 2448600 and 2448800.
HIP 091832 = **QZ Tel** The variability may be due to the fainter (B) component.
HIP 093808 = **V550 Lyr** SB, $P_{orb} = 1^d0309$.
HIP 095313 = **V4417 Sgr** The variability may be due to the fainter (B) component.
HIP 095578 = **V337 Tel** Type EW: is also possible.
HIP 096599 = **V339 Sge** Extremely metal-weak.
HIP 098729 = **V2105 Cyg** Variability type and spectral type (F8Iab:) do not agree.
HIP 098826 = **V1470 Aql** The variability may be due to the fainter (B) component.
HIP 098954 = **V1472 Aql** SB, $P_{orb} = 198^d$.
HIP 099042 = **V4429 Sgr** A giant, according to Hipparcos data, despite the published luminosity class (V).
HIP 099402 = **V398 Vul** Not identical to IRC+30416 = NSV 12861.
HIP 100859 = **V2121 Cyg** Strong Blazhko effect.
HIP 100869 = **BH Cap** Type RR: is also possible.
HIP 101286 = **V382 Pav** Type EW: is also possible.
HIP 104043 = α **Oct** SB, $P_{orb} = 9^d073$.
HIP 105091 = **V421 Cep** SB, $P_{orb1} = 5^d4136$, $P_{orb2} = 225^d44$.
HIP 105162 = **V2150 Cyg** Type RR: is also possible.
HIP 105324 = **BN Cap** The variability may be due to the fainter (B) component.
HIP 108476 = **V2174 Cyg** SB, $P_{orb} = 225^d162$.
HIP 108738 = **V2175 Cyg** X-ray source.
HIP 109492 = ζ **Cep** Radial velocity varies.
HIP 109505 = **V447 Cep** The variability may be due to the fainter (B) component.
HIP 109606 = **V448 Cep** SB, $P_{orb} = 7^d7320$.
HIP 110707 = **KV Aqr** One deep fading overlapping a brightening trend.
HIP 111022 = **V412 Lac** SB, $P_{orb} = 41.95$ yr.
HIP 111071 = **V413 Lac** SB, $P_{orb} = 2^d9833$.
HIP 111932 = **QQ Peg** Variability needs confirmation.
HIP 112972 = **V453 Cep** SB, $P_{orb} = 54^d723$.
HIP 113065 = **V454 Cep** SB, $P_{orb} = 5^d6556$.
HIP 114024 = **V341 Peg** SB, $P_{orb} = 2^d1779$.
HIP 114189 = **V342 Peg** Suspected SB.
HIP 116103 = **CG Phe** Type RRC: is also possible.
HIP 118096 = **DX Tuc** Type RRC: is also possible.