

# The 85th Name-list of Variable Stars

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We present a new Name-List of variable stars containing information on 1077 stars of the whole sky (constellations Andromeda – Vulpecula) recently designated in the system of the General Catalogue of Variable Stars (GCVS). Among variable stars of the Name-list, there are nine Novae in our Galaxy, named in the GCVS system soon after their discovery upon request from the Central Bureau of Astronomical Telegrams.

## 1 INTRODUCTION

This Name-list of variable stars continues the series of regular Name-lists of galactic variable stars, the most recent of them being Name-list No. 82, Part III (Kazarovets et al., 2020). Name-lists No. 83 and No. 84 (Samus et al., 2020, 2021) mainly dealt with variable stars in globular clusters, now incorporated into the general naming system of the General Catalogue of Variable Stars (GCVS; Samus et al., 2017). The next Name-list of variable stars in galactic globular clusters is currently in preparation; it will include globular clusters in the constellations Pavo, Pegasus, Sagitta, and Sagittarius.

Among variable stars in the current Name-list, there are nine Novae in our Galaxy, named in the GCVS system soon after their discovery upon requests from the Central Bureau of Astronomical Telegrams.

## 2 THE NAME-LIST

This publication, the 85rd Name-List of Variable Stars, contains information on 1077 variable stars in the field of our Galaxy, in constellations from Andromeda to Vulpecula. As mentioned in the Introduction, among the 1077 newly named stars, there are 9 recent galactic Novae, discovered in 2022–2023.

Among stars in this Name-list, there are numerous objects that were earlier contained in the New Catalogue of Suspected Variable Stars (NSV catalogue; Kukarkin et al., 1982) and its Supplement (Kazarovets et al., 1998). Recently, a revised version of the NSV catalogue has been published (Kazarovets et al., 2022). In the process of the revision, coordinates of many suspected variable stars were cardinaly improved, and data from

photometric archives permitted us to study these stars, determine their variability types and all other information relevant to the GCVS.

In the vast majority of cases, the coordinates of variable stars in this Name-list were taken from the early third data release of the Gaia catalog (Gaia collaboration et al., 2021). Actually, these coordinates coincide with those presented in the final third data release.

Not only for NSV stars in this Name-list, but wherever possible, we attempted to check existing photometric data, derive new light elements. Especially useful were observations in  $V$  and  $g$  bands from the ASAS-SN survey (Shappee et al., 2014; Kochanek et al., 2017) and in the bands named  $zr$  and  $zg$  in the ZTF survey, which we used through the SNAD ZTF viewer (Malanchev et al., 2023). In the present Name-list, the total number of stars studied by its authors is 922 (86%).

Like in the previous Name-Lists, we separate the catalogue of newly designated variables (it will be presented at the GCVS web site) from the Name-list. Table 1 of the present Name-List contains the new GCVS names, equatorial coordinates (rounded to an accuracy sufficient for identification), and variability types for each of the 1077 stars included into the Name-list. The order of stars in Table 1 corresponds to the order of stars in the GCVS. Other data will be presented at

<http://www.sai.msu.su/gcvs/gcvs/nl85> and in the tables of the GCVS proper (<http://www.sai.msu.su/gcvs/gcvs/>), where we will additionally give variability ranges, light elements, spectral types (if available), 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).

Table 2 announces GCVS names for nine recent Novae in our Galaxy, confirmed spectroscopically. It contains the GCVS names, Nova names, and J2000.0 coordinates.

Following a suggestion from the AAVSO VSX, we have decided to divide the GCVS entry CX Scl into two, CX Scl A and CX Scl B, less than  $1''$  apart, the brighter A component being the south-eastern star and the fainter B component, the north-western star of the close pair. A similar case, also suggested by the AAVSO VSX, is V1380 Ori A and V1380 Ori B, the brighter A component being the north-eastern star of the pair.

The total number of named variable stars, not counting designated non-existing stars or stars subsequently identified with earlier-named variables, is now 59 102.

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We highly appreciate our close working contacts with Sebastian Alberto Otero (AAVSO VSX).

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Table 1

Name		R.A., Decl., 2000.0				Type	Name		R.A., Decl., 2000.0				Type				
		h	m	s	o	'	"			h	m	s	o	'	"		
V0820	And	00	10	32.3	+32	23	48	DSCT	V0544	Aqr	23	08	51.7	-06	35	44	EB
V0821	And	00	19	52.2	+43	39	02	UG	V0545	Aqr	23	14	23.0	-07	38	48	EB
V0822	And	00	23	38.9	+28	37	45	DSCT	V0546	Aqr	23	22	26.6	-09	35	27	EA
V0823	And	00	35	35.7	+46	23	52	UG+E	V0547	Aqr	23	24	32.8	-03	54	36	LB
V0824	And	00	44	23.1	+28	13	14	DSCT	V0548	Aqr	23	35	08.1	-15	49	20	EW
V0825	And	00	57	41.0	+44	31	02	UGSU+E	V0549	Aqr	23	38	07.1	-13	43	59	EW
V0826	And	01	38	59.1	+43	33	22	DSCT	V0550	Aqr	23	38	22.5	-20	49	52	UGSU
V0827	And	01	57	12.1	+37	54	36	EW	V0551	Aqr	23	46	00.9	-12	40	37	EW
V0828	And	02	21	49.9	+40	34	16	SR	V2031	Aql	18	42	13.4	+00	34	05	M
V0829	And	02	34	06.1	+38	41	42	UGSU	V2032	Aql	18	44	27.6	-03	24	40	EB
V0830	And	23	00	55.9	+52	47	20	SRB	V2033	Aql	18	55	13.3	+08	18	13	DCEP(B)
V0831	And	23	01	50.4	+50	53	11	SR	V2034	Aql	19	00	25.7	+11	24	58	DSCT
V0832	And	23	06	08.6	+36	20	01	LB	V2035	Aql	19	00	26.7	+11	37	36	DSCTC
V0833	And	23	06	12.0	+48	57	18	SRB	V2036	Aql	19	00	35.1	+11	52	27	EB
V0834	And	23	07	26.1	+51	16	22	EA	V2037	Aql	19	00	50.2	-07	16	14	RRAB
V0835	And	23	09	25.1	+46	53	24	EA	V2038	Aql	19	01	16.0	+11	40	25	ELL
V0836	And	23	09	46.8	+52	39	34	SRB	V2039	Aql	19	01	24.7	+11	29	38	DSCTC
V0837	And	23	13	48.7	+50	56	29	SRB	V2040	Aql	19	01	43.0	+11	49	01	ELL
V0838	And	23	22	18.2	+39	04	19	EA	V2041	Aql	19	01	52.7	+11	47	55	RRC
V0839	And	23	27	19.6	+48	17	28	EA	V2042	Aql	19	13	59.0	+00	54	00	EB
V0840	And	23	28	30.8	+49	45	33	EA	V2043	Aql	19	18	48.1	+06	37	56	EW
V0841	And	23	29	55.6	+49	07	10	SRB	V2044	Aql	19	26	09.5	+05	13	46	SRS
V0842	And	23	32	09.7	+50	25	43	SRD	V2045	Aql	19	31	14.4	+09	16	27	EW
V0843	And	23	43	25.0	+42	08	43	UG	V2046	Aql	19	31	52.4	+09	05	47	EW
V0844	And	23	44	23.6	+44	43	45	BY:	V2047	Aql	19	31	56.0	+09	03	46	EW
V0845	And	23	49	18.9	+47	51	32	EA	V2048	Aql	19	31	56.6	+09	09	46	EW
V0846	And	23	51	34.9	+45	31	26	RVA	V2049	Aql	19	34	20.5	+10	06	49	EA
V0847	And	23	52	17.7	+46	50	33	ELL	V2050	Aql	19	40	02.9	-06	06	12	DSCTC
CT	Ant	09	28	46.2	-39	08	17	GCAS	V2051	Aql	19	55	38.1	+13	43	22	RRAB
CU	Ant	09	39	44.6	-25	25	07	EB	V2052	Aql	19	57	31.1	+00	07	04	EW
CV	Ant	09	50	57.7	-39	45	25	DSCT	V2053	Aql	20	00	59.7	+05	44	07	EW
CW	Ant	09	56	32.2	-36	15	24	DSCT	V2054	Aql	20	23	50.6	+01	31	46	EB
CX	Ant	10	10	04.4	-37	10	37	DSCT	V1174	Ara	16	46	21.0	-48	39	24	DCEPS
V0523	Aqr	20	58	12.8	-07	24	34	EW	V1175	Ara	17	04	15.9	-57	19	53	RRAB
V0524	Aqr	21	00	16.0	-02	42	58	UGSU	V1176	Ara	17	17	49.5	-58	59	54	RRC
V0525	Aqr	21	07	43.8	-02	38	13	EB	V1177	Ara	17	25	28.9	-59	59	52	EW
V0526	Aqr	21	22	59.3	+01	07	59	EW	V1178	Ara	17	30	13.4	-60	12	41	RRAB
V0527	Aqr	21	24	56.6	-10	40	50	EA	V1179	Ara	17	51	44.9	-50	38	25	EA
V0528	Aqr	21	37	16.5	-06	43	55	EW	V1180	Ara	17	52	01.4	-50	38	03	EA
V0529	Aqr	22	09	06.6	-16	44	00	SRB	V1181	Ara	17	59	07.0	-45	54	19	RRAB
V0530	Aqr	22	14	38.4	-21	41	53	EA/RS	V1182	Ara	17	59	08.8	-45	54	29	SRB
V0531	Aqr	22	24	57.1	-15	09	37	EB	V1183	Ara	18	06	51.5	-53	12	40	RRC
V0532	Aqr	22	30	02.9	-14	58	34	UGSU	DX	Ari	01	58	23.9	+25	21	20	EA
V0533	Aqr	22	30	44.9	-13	32	37	EW	DY	Ari	02	38	00.3	+28	08	02	DSCT
V0534	Aqr	22	32	51.3	-02	49	06	RRC	DZ	Ari	02	41	55.2	+25	07	47	EW
V0535	Aqr	22	33	13.9	-08	03	41	EW	EE	Ari	03	02	27.3	+19	17	54	UGSU
V0536	Aqr	22	33	55.9	+00	24	50	EW	EF	Ari	03	09	29.8	+26	38	04	UGSU
V0537	Aqr	22	35	51.0	-13	45	56	EW	V0862	Aur	04	53	43.0	+41	01	54	EA
V0538	Aqr	22	41	06.1	-15	17	53	EW	V0863	Aur	04	54	53.6	+39	52	12	EA
V0539	Aqr	22	45	59.3	-14	37	33	EA	V0864	Aur	04	57	36.9	+42	23	16	EA
V0540	Aqr	23	01	24.1	-19	50	37	LB	V0865	Aur	05	02	09.8	+34	17	59	EW
V0541	Aqr	23	02	01.0	-13	05	45	EW	V0866	Aur	05	02	29.7	+41	42	53	EA
V0542	Aqr	23	05	23.3	-09	31	05	EW	V0867	Aur	05	04	40.5	+43	17	55	EB
V0543	Aqr	23	07	53.8	-05	33	47	EW	V0868	Aur	05	06	35.0	+35	17	46	EB

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		'	''
V0869	Aur	05	09	15.1	+44	55	01	DSCT	V0455	CMa	06	16	57.2	-28	36	08	DSCT
V0870	Aur	05	10	43.1	+32	20	44	EW	V0456	CMa	06	16	59.0	-21	33	19	DSCT
V0871	Aur	05	11	49.8	+45	24	57	EB	V0457	CMa	06	28	13.7	-12	37	12	DSCT
V0872	Aur	05	12	25.3	+35	30	46	EW	V0458	CMa	06	29	08.7	-18	29	48	DSCT
V0873	Aur	05	21	07.8	+42	04	07	DSCT	V0459	CMa	06	30	11.3	-25	55	06	DSCT
V0874	Aur	05	27	40.9	+31	11	31	EB	V0460	CMa	06	41	46.6	-32	45	27	DSCT
V0875	Aur	05	35	40.2	+36	21	54	EA	V0461	CMa	06	46	34.5	-25	07	52	DSCT
V0876	Aur	05	36	58.2	+38	44	38	DSCT	V0462	CMa	07	19	16.6	-16	16	44	DSCTC
V0877	Aur	05	37	35.9	+33	49	27	EB	V0463	CMa	07	21	12.6	-12	01	32	EB
V0878	Aur	05	37	57.0	+44	41	00	M	FZ	CMi	07	14	43.5	+05	58	34	EA
V0879	Aur	05	39	19.7	+30	38	15	EA	GG	CMi	08	07	31.0	+01	59	44	EA
V0880	Aur	05	41	16.9	+37	12	43	ELL	FZ	Cap	21	16	09.4	-20	11	34	ELL
V0881	Aur	05	42	19.2	+34	52	20	DSCT	GG	Cap	21	47	45.5	-16	24	40	EA
V0882	Aur	05	52	15.0	+38	26	21	DSCT	GH	Cap	21	54	33.7	-10	02	12	EW
V0883	Aur	05	54	02.8	+31	55	00	DSCT	GI	Cap	21	57	48.7	-10	25	16	EW
V0884	Aur	06	04	32.2	+42	17	47	EW	V0947	Car	07	04	57.4	-50	59	43	DSCT
V0885	Aur	06	11	28.0	+40	41	09	UGSU	V0948	Car	07	32	09.8	-52	09	42	DSCT
V0886	Aur	06	13	35.3	+39	57	15	UGSU	V0949	Car	09	28	57.9	-63	58	33	RRAB
V0887	Aur	06	28	54.7	+30	10	04	EA	V0950	Car	10	09	37.0	-64	13	48	ZAND
V0888	Aur	06	36	11.6	+42	00	57	DSCTC	V0951	Car	10	12	47.3	-61	19	57	SR
V0889	Aur	06	49	20.3	+45	38	15	DSCT	V0952	Car	10	24	21.4	-61	40	03	SR
V0451	Boo	14	11	18.3	+48	12	58	UGSU	V0953	Car	10	36	19.8	-63	37	33	UGSU
V0452	Boo	14	20	31.1	+28	31	26	RRAB:	V0954	Car	10	44	26.8	-60	11	30	EA
V0453	Boo	14	25	10.6	+12	11	10	RRC	V0955	Car	10	45	25.3	-59	58	30	LB
V0454	Boo	14	26	44.1	+16	04	58	RRAB	V0956	Car	10	47	57.2	-60	41	23	UGSU
V0455	Boo	14	31	30.9	+22	50	23	RR(B)	V1406	Cas	00	01	58.4	+65	14	45	CEP
V0456	Boo	14	32	36.0	+30	27	42	EB	V1407	Cas	00	02	03.1	+62	58	59	SRB
V0457	Boo	14	36	37.9	+14	47	49	RRAB	V1408	Cas	00	19	59.6	+49	07	56	DSCT
V0458	Boo	14	45	59.5	+11	28	07	RRAB	V1409	Cas	00	45	27.5	+50	32	15	UGSU
V0459	Boo	14	47	06.5	+46	02	14	RRAB	V1410	Cas	00	45	47.4	+65	09	44	SRB
V0460	Boo	15	01	42.1	+52	52	49	EW	V1411	Cas	00	49	10.6	+64	56	19	LB
V0461	Boo	15	05	08.8	+18	17	27	RRC	V1412	Cas	00	58	53.0	+70	51	00	UGSS
V0462	Boo	15	06	07.5	+09	26	37	RRC	V1413	Cas	01	03	31.4	+66	04	32	DCEP
V0463	Boo	15	10	09.1	+08	23	11	RRAB	V1414	Cas	01	13	24.4	+67	47	51	SR
TZ	Cae	04	47	23.4	-36	56	02	UGSU	V1415	Cas	01	30	15.4	+58	27	31	EW
UU	Cae	05	00	30.0	-32	07	36	UGSU	V1416	Cas	01	32	41.9	+56	40	41	EW
V0618	Cam	04	02	27.5	+55	20	34	DSCT	V1417	Cas	01	41	16.4	+61	21	19	EA
V0619	Cam	04	16	36.0	+67	50	19	EA	V1418	Cas	01	52	37.2	+58	56	27	EA
V0620	Cam	04	48	12.4	+59	14	28	GDOR+DSCT:	V1419	Cas	01	52	37.9	+59	06	59	EA
V0621	Cam	04	48	22.1	+72	37	15	EW	V1420	Cas	01	52	57.4	+59	24	13	EW
V0622	Cam	04	57	35.6	+68	09	38	DSCT	V1421	Cas	01	55	06.9	+59	56	12	EB
V0623	Cam	05	13	36.6	+77	28	43	NL	V1422	Cas	01	55	27.7	+58	12	11	BY
V0624	Cam	05	22	49.7	+56	52	56	DSCT	V1423	Cas	01	55	45.6	+59	14	45	EA
V0625	Cam	05	49	59.4	+57	45	11	DSCT	V1424	Cas	01	57	16.8	+58	09	05	EA
V0626	Cam	07	04	48.3	+76	11	10	DSCT	V1425	Cas	01	57	44.3	+60	10	05	EW
V0627	Cam	07	53	28.9	+72	24	24	EA	V1426	Cas	01	58	40.6	+58	33	23	EA
QW	Cnc	08	10	45.1	+23	12	02	EA	V1427	Cas	02	00	27.3	+58	11	51	EW
QX	Cnc	08	23	57.4	+31	41	59	DSCT	V1428	Cas	02	04	28.8	+59	45	48	EA
QY	Cnc	08	39	47.2	+14	17	24	RRC	V1429	Cas	02	04	51.3	+59	10	11	RRC
V0479	CVn	13	28	49.7	+36	07	57	RRAB	V1430	Cas	02	05	01.1	+59	55	04	RRAB
V0480	CVn	13	55	37.5	+28	43	51	EB	V1431	Cas	02	07	40.1	+59	58	08	EA
V0452	CMa	06	12	26.8	-26	54	54	DSCT	V1432	Cas	02	21	02.8	+73	22	45	UGSU
V0453	CMa	06	13	34.3	-25	42	21	DSCT	V1433	Cas	02	37	11.2	+58	22	02	EA
V0454	CMa	06	14	41.5	-27	46	48	DSCT	V1434	Cas	02	54	16.4	+58	30	25	EA

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	'	"	
V1435 Cas	02	54	25.0	+58	02	00	EB	V1925 Cen	13	21	07.2	-47	59	21	M
V1436 Cas	03	19	07.0	+72	52	20	EW	V1926 Cen	13	24	34.9	-48	14	27	SRB
V1437 Cas	23	02	37.5	+58	35	09	EA	V1927 Cen	13	25	15.4	-47	00	22	EA
V1438 Cas	23	03	53.2	+55	34	57	SRB	V1928 Cen	13	25	52.4	-38	16	44	CWB
V1439 Cas	23	08	04.7	+55	42	57	LB	V1929 Cen	13	26	48.1	-48	08	23	SRB
V1440 Cas	23	09	44.8	+59	15	03	EA	V1930 Cen	13	27	02.9	-48	39	14	SRB
V1441 Cas	23	13	48.1	+57	07	34	SRB	V1931 Cen	13	28	33.3	-37	03	47	RRAB
V1442 Cas	23	15	43.6	+56	46	10	SRB	V1932 Cen	13	30	03.5	-58	34	01	EA
V1443 Cas	23	16	02.4	+62	21	19	SRB	V1933 Cen	14	04	21.0	-34	36	12	RRAB
V1444 Cas	23	18	30.4	+58	33	11	LC	V1934 Cen	14	06	40.4	-40	29	57	RRAB
V1445 Cas	23	22	34.5	+55	43	14	SRB	V1116 Cep	02	35	58.2	+80	29	44	NL
V1446 Cas	23	22	53.2	+62	05	10	IS	V1117 Cep	03	05	41.3	+84	02	22	DSCT
V1447 Cas	23	23	39.9	+60	20	01	LC	V1118 Cep	20	43	11.9	+67	14	47	CWB
V1448 Cas	23	26	42.2	+60	14	35	ACV:	V1119 Cep	20	46	39.0	+68	51	53	SRB
V1449 Cas	23	27	33.1	+60	27	04	SRC	V1120 Cep	20	47	05.8	+67	20	38	RRAB
V1450 Cas	23	29	47.8	+51	13	55	LB	V1121 Cep	21	23	28.7	+68	52	07	BY
V1451 Cas	23	29	52.4	+51	10	57	LB	V1122 Cep	21	46	24.4	+57	15	25	EW
V1452 Cas	23	33	13.1	+55	02	00	SRB	V1123 Cep	21	50	43.2	+60	37	22	SRB
V1453 Cas	23	33	37.3	+53	24	01	EA	V1124 Cep	21	50	45.1	+60	47	39	EA
V1454 Cas	23	33	46.9	+53	41	00	SRB	V1125 Cep	21	51	10.6	+59	49	45	EB
V1455 Cas	23	36	42.4	+57	17	45	SRB	V1126 Cep	21	51	33.6	+60	29	44	EW
V1456 Cas	23	42	03.5	+52	08	46	RRAB	V1127 Cep	21	51	42.5	+59	49	00	EA
V1457 Cas	23	43	04.9	+59	10	40	EA	V1128 Cep	21	51	42.6	+61	04	29	DSCT
V1458 Cas	23	44	16.0	+53	46	08	EB	V1129 Cep	21	51	53.4	+60	58	43	EA
V1459 Cas	23	45	05.4	+57	00	51	EW	V1130 Cep	21	52	32.6	+59	59	34	SRB
V1460 Cas	23	45	23.7	+57	53	58	EW	V1131 Cep	21	52	33.4	+60	48	03	EW
V1461 Cas	23	46	08.6	+62	03	01	EA	V1132 Cep	21	52	36.2	+60	53	53	DSCT
V1462 Cas	23	46	16.6	+50	35	54	EW	V1133 Cep	21	52	45.3	+60	10	12	EW
V1463 Cas	23	48	30.6	+61	09	46	SRD	V1134 Cep	21	52	52.0	+60	31	22	EB
V1464 Cas	23	52	16.3	+54	38	48	SRB	V1135 Cep	21	52	52.4	+60	11	40	EW
V1465 Cas	23	53	36.1	+56	06	04	EA	V1136 Cep	21	53	23.1	+59	33	54	EW
V1466 Cas	23	57	34.9	+62	00	29	BCEP	V1137 Cep	21	53	26.6	+60	14	33	EW
V1467 Cas	23	57	45.7	+56	06	20	SR	V1138 Cep	21	53	33.1	+61	03	51	SRB
V1904 Cen	11	15	17.1	-42	07	11	DSCT	V1139 Cep	21	53	41.0	+59	37	19	EW:
V1905 Cen	11	21	24.7	-52	21	44	EA	V1140 Cep	21	53	44.6	+60	30	33	EW
V1906 Cen	11	24	05.6	-60	35	20	EB	V1141 Cep	21	54	16.4	+60	04	54	SRB
V1907 Cen	11	43	40.4	-48	00	24	SRB	V1142 Cep	21	54	24.3	+59	39	53	EW
V1908 Cen	11	47	11.6	-62	08	47	ELL:+EA	V1143 Cep	21	54	26.1	+60	13	20	SR
V1909 Cen	11	51	05.9	-53	12	21	DSCT	V1144 Cep	21	55	09.8	+60	43	52	SRB
V1910 Cen	12	19	16.0	-52	05	59	RRAB	V1145 Cep	21	55	19.0	+60	10	46	SRB
V1911 Cen	12	19	24.8	-52	09	11	SR	V1146 Cep	21	55	35.0	+60	02	13	SRB
V1912 Cen	12	37	52.8	-34	42	23	EW	V1147 Cep	21	55	53.8	+60	26	41	EW
V1913 Cen	12	42	25.1	-34	59	11	EW	V1148 Cep	21	56	00.3	+59	44	42	EW
V1914 Cen	12	45	36.1	-34	11	49	EB	V1149 Cep	21	56	03.2	+61	05	52	EA
V1915 Cen	12	51	31.0	-34	23	50	RRC	V1150 Cep	21	56	18.5	+59	45	36	EB
V1916 Cen	12	52	54.0	-33	28	58	EW	V1151 Cep	21	56	19.8	+59	57	44	SRB
V1917 Cen	12	53	01.6	-34	19	43	EW	V1152 Cep	21	56	21.5	+59	53	15	EW
V1918 Cen	13	07	23.7	-60	37	27	SRA	V1153 Cep	21	56	50.5	+60	52	14	EA
V1919 Cen	13	09	04.6	-60	29	53	SRB	V1154 Cep	21	56	50.7	+60	02	27	EA
V1920 Cen	13	09	17.7	-60	35	19	EA	V1155 Cep	21	56	55.4	+60	34	15	SRB
V1921 Cen	13	09	48.7	-35	40	23	RRAB	V1156 Cep	21	57	21.4	+59	32	50	EA
V1922 Cen	13	20	22.9	-48	02	38	EW	V1157 Cep	21	57	28.9	+60	30	06	EA
V1923 Cen	13	20	31.3	-37	16	11	SRB	V1158 Cep	21	57	34.6	+60	54	10	EW
V1924 Cen	13	20	46.7	-37	15	37	RRAB	V1159 Cep	21	57	53.3	+60	17	07	SR

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	'	"	
V1160 Cep	21	58	10.0	+59	50	17	EB	V1214 Cep	22	07	51.6	+60	29	10	EW
V1161 Cep	21	58	14.6	+59	37	48	SRB	V1215 Cep	22	08	15.4	+61	45	24	SRB
V1162 Cep	21	58	32.6	+61	07	45	LB	V1216 Cep	22	08	22.3	+59	46	49	EA
V1163 Cep	21	59	12.2	+60	46	36	EA	V1217 Cep	22	08	30.8	+60	56	11	BY:
V1164 Cep	21	59	16.8	+59	41	57	SRB	V1218 Cep	22	08	48.6	+60	57	04	EW
V1165 Cep	21	59	19.1	+60	26	29	EW	V1219 Cep	22	08	51.5	+59	55	36	SRB
V1166 Cep	21	59	54.6	+60	49	02	SRB	V1220 Cep	22	08	55.8	+63	08	45	EW
V1167 Cep	22	00	13.1	+60	05	58	SRB	V1221 Cep	22	09	06.2	+60	46	28	DSCT
V1168 Cep	22	00	18.4	+60	06	58	DCEPS	V1222 Cep	22	09	07.5	+59	51	44	SRB
V1169 Cep	22	00	21.2	+60	33	42	EW	V1223 Cep	22	10	09.7	+69	41	24	SRB
V1170 Cep	22	00	24.5	+60	12	52	BY	V1224 Cep	22	10	27.1	+55	09	30	DSCTC
V1171 Cep	22	00	27.3	+60	07	44	EB:	V1225 Cep	22	10	29.1	+55	09	01	SRB
V1172 Cep	22	00	32.5	+60	37	24	SRB	V1226 Cep	22	14	02.1	+58	00	50	LB
V1173 Cep	22	00	44.4	+59	45	00	DCEP	V1227 Cep	22	16	48.5	+57	19	45	DSCT
V1174 Cep	22	01	13.7	+60	31	21	SRB	V1228 Cep	22	20	08.4	+62	10	14	SR
V1175 Cep	22	01	27.8	+60	22	27	EW	V1229 Cep	22	22	09.2	+73	46	06	EW
V1176 Cep	22	01	42.9	+60	10	51	EW	V1230 Cep	22	27	27.6	+70	25	15	SRB
V1177 Cep	22	01	44.6	+60	21	40	SRB	V1231 Cep	22	29	26.8	+59	06	24	SRB
V1178 Cep	22	01	46.8	+59	45	32	ELL	V1232 Cep	22	32	59.8	+66	54	40	SRB
V1179 Cep	22	01	58.4	+60	50	08	SRB	V1233 Cep	22	35	02.4	+61	55	37	ELL
V1180 Cep	22	02	27.7	+61	55	44	EW	V1234 Cep	22	35	52.8	+72	41	01	SRD
V1181 Cep	22	02	29.1	+61	02	05	DSCT	V1235 Cep	22	37	17.5	+63	57	18	SRB
V1182 Cep	22	02	29.6	+60	56	50	LB	V1236 Cep	22	39	55.0	+72	51	15	M
V1183 Cep	22	02	32.1	+60	41	12	CEP:	V1237 Cep	22	40	25.6	+65	45	42	SR
V1184 Cep	22	02	33.5	+60	31	33	SRB	V1238 Cep	22	42	03.2	+77	26	46	SRB
V1185 Cep	22	02	37.4	+60	11	44	EA	V1239 Cep	22	43	13.8	+59	45	09	LC
V1186 Cep	22	02	48.0	+60	08	02	EB	V1240 Cep	22	50	29.9	+57	25	24	EA
V1187 Cep	22	02	50.9	+54	43	48	EA	V1241 Cep	22	50	53.2	+61	45	58	SRC
V1188 Cep	22	02	53.6	+54	46	17	EW	V1242 Cep	22	54	31.3	+57	25	58	SRC
V1189 Cep	22	03	03.2	+59	48	21	IA:	V1243 Cep	22	56	36.9	+61	31	08	SRC
V1190 Cep	22	03	17.3	+60	56	59	SRB	V1244 Cep	22	57	00.4	+57	40	00	SRB
V1191 Cep	22	03	18.9	+60	48	07	SRB	V1245 Cep	23	02	01.5	+61	53	03	SR
V1192 Cep	22	03	31.3	+60	09	34	M	V1246 Cep	23	02	17.0	+72	09	26	SRA
V1193 Cep	22	03	35.3	+60	44	51	EA	V1247 Cep	23	12	57.9	+69	54	09	SRB
V1194 Cep	22	03	43.1	+59	45	11	LB	V1248 Cep	23	15	51.0	+72	17	56	UGZ:
V1195 Cep	22	04	04.4	+59	48	34	SRB	V1249 Cep	23	19	49.9	+71	21	05	SRB
V1196 Cep	22	04	16.4	+60	34	54	DSCT:	V1250 Cep	23	20	20.9	+70	52	47	SR
V1197 Cep	22	04	26.6	+61	04	19	SRB	V1251 Cep	23	23	33.8	+71	18	09	SRB
V1198 Cep	22	04	31.0	+60	03	53	EA	V1252 Cep	23	25	53.3	+73	40	39	LB
V1199 Cep	22	04	57.9	+59	52	03	SR	V1253 Cep	23	26	13.0	+73	39	23	RRAB
V1200 Cep	22	05	09.0	+63	04	48	SRB	V1254 Cep	23	27	32.5	+72	09	42	EA
V1201 Cep	22	05	10.1	+61	10	18	SRB	V1255 Cep	23	33	41.9	+68	29	18	SRB
V1202 Cep	22	05	10.5	+59	51	52	SR	V1256 Cep	23	35	52.3	+66	06	20	EA
V1203 Cep	22	05	38.6	+60	43	34	EB	V1257 Cep	23	43	41.9	+71	46	43	SRA
V1204 Cep	22	05	43.5	+61	55	19	EA	V1258 Cep	23	48	25.7	+77	03	00	UG:
V1205 Cep	22	05	53.3	+60	14	36	ELL:	V1259 Cep	23	53	49.4	+85	51	10	RRAB
V1206 Cep	22	06	08.8	+60	12	04	EB	V1260 Cep	23	55	19.9	+78	39	04	SRB
V1207 Cep	22	06	18.8	+60	50	51	EB	LX Cet	01	16	11.8	-06	59	37	EW
V1208 Cep	22	06	19.1	+61	00	54	SRB	LY Cet	01	59	36.8	-03	30	56	RRC
V1209 Cep	22	06	33.4	+59	45	38	EA	IY Cha	09	51	04.4	-77	51	52	DSCT
V1210 Cep	22	06	40.6	+60	14	15	SRB	IZ Cha	10	54	13.5	-77	24	13	DSCT
V1211 Cep	22	06	42.0	+60	24	58	EA	FQ Cir	15	24	47.6	-60	59	47	NA
V1212 Cep	22	07	10.6	+60	45	21	EA	FR Cir	14	44	31.3	-59	51	50	M
V1213 Cep	22	07	20.4	+59	43	15	EA	FS Cir	14	49	00.3	-68	36	04	M

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	'	"			
FT	Cir	15	26	07.7	-60	49	48	M:	V3215	Cyg	21	18	39.9	+50	47	33	DCEP(B)
DI	Col	05	57	21.8	-36	30	56	UGSU	V3216	Cyg	21	31	43.9	+51	22	57	DCEP
DK	Col	06	05	59.0	-32	06	17	DSCT	V3217	Cyg	21	34	57.6	+35	12	51	EA
DL	Col	06	11	07.9	-33	46	00	DSCT	V3218	Cyg	21	35	45.5	+35	21	54	UGSU
V0836	CrA	18	13	08.8	-44	53	27	RRAB	V3219	Cyg	21	38	31.9	+52	23	36	DCEP
V0837	CrA	18	20	02.7	-44	51	53	RRAB	V3220	Cyg	21	39	04.0	+50	09	37	EW
V0838	CrA	18	40	01.0	-43	27	25	RRAB	V3221	Cyg	21	39	06.4	+50	04	55	SRB
V0839	CrA	19	05	31.9	-37	23	05	SRS	V3222	Cyg	21	39	29.8	+50	09	29	SRB
DN	CrB	15	16	09.2	+32	00	07	RR(B)	V3223	Cyg	21	40	39.7	+50	10	09	SRB
DO	CrB	16	05	07.2	+25	45	00	RRC	V3224	Cyg	21	41	54.3	+45	30	02	BY
AI	Crv	11	56	45.1	-14	20	54	EW	V3225	Cyg	21	48	29.0	+53	01	43	DCEP
AK	Crv	12	04	07.8	-15	38	18	EA	V3226	Cyg	22	01	48.1	+54	52	22	EA
AL	Crv	12	06	22.6	-16	04	30	EW	V3227	Cyg	22	02	16.4	+54	40	01	EA
BF	Crt	10	57	49.9	-21	56	59	UG	V3228	Cyg	22	02	20.1	+54	36	59	EW
BG	Crt	11	04	55.2	-12	41	16	RRAB	V3229	Cyg	22	02	20.8	+54	37	03	BCEPS:
BH	Crt	11	24	13.3	-08	54	54	DSCT	V0469	Del	20	20	56.8	+18	26	12	EA
BI	Crt	11	47	31.8	-19	30	10	DSCT	V0470	Del	20	25	21.0	+04	25	28	EW
BK	Crt	11	52	56.2	-20	38	50	DSCT	V0471	Del	20	42	00.4	+04	18	40	UG
BL	Crt	11	56	05.6	-09	12	57	EW	V0599	Dra	09	33	52.8	+77	43	18	DSCT
FY	Cru	12	00	15.5	-60	34	44	SRB	V0600	Dra	11	24	05.3	+77	52	16	EW
FZ	Cru	12	17	19.4	-62	30	18	DCEPS	V0601	Dra	15	01	37.2	+55	01	23	UGSU+EA
GG	Cru	12	20	24.5	-64	39	43	DCEPS	V0602	Dra	17	43	48.6	+52	03	46	UGSU
V3183	Cyg	19	35	17.9	+46	25	08	DSCTC	V0603	Dra	17	46	42.3	+52	45	30	RRAB
V3184	Cyg	19	55	08.2	+46	20	45	EA	V0604	Dra	18	00	05.9	+52	56	33	UGSU
V3185	Cyg	20	03	10.0	+29	59	11	SRB	V0605	Dra	18	09	15.6	+58	01	03	EB
V3186	Cyg	20	10	14.1	+35	04	50	DSCT	V0606	Dra	18	47	08.6	+78	42	29	EA
V3187	Cyg	20	12	41.6	+32	12	42	RRC	V0607	Dra	19	50	21.5	+70	17	16	EW
V3188	Cyg	20	16	14.6	+41	54	33	EA	V0608	Dra	20	39	24.0	+68	22	23	SRB
V3189	Cyg	20	22	57.2	+43	59	41	DCEPS	AA	Equ	21	04	24.0	+07	31	38	EW
V3190	Cyg	20	23	46.2	+43	30	14	DSCTC	AB	Equ	21	25	55.6	+04	01	16	EW
V3191	Cyg	20	25	20.5	+39	35	18	DCEP	PR	Eri	02	03	29.0	-54	55	07	DSCT
V3192	Cyg	20	29	46.5	+37	45	39	DCEP(B)	PS	Eri	02	29	16.9	-39	59	02	NL
V3193	Cyg	20	37	49.3	+55	22	10	UGSU	PT	Eri	02	59	56.5	-22	49	08	DSCT
V3194	Cyg	20	53	25.6	+46	43	18	DCEP	PU	Eri	03	31	51.7	-09	45	46	DSCT
V3195	Cyg	20	59	31.1	+44	47	42	SR	PV	Eri	04	11	20.6	-23	02	33	EW
V3196	Cyg	20	59	39.0	+29	29	45	UG	PW	Eri	04	38	41.7	-02	49	51	EB
V3197	Cyg	21	00	03.1	+54	34	14	EW	BN	For	01	52	00.0	-28	00	32	EB/RS
V3198	Cyg	21	00	25.7	+54	33	25	EA	BO	For	02	31	51.7	-38	37	27	EW
V3199	Cyg	21	03	55.6	+47	51	35	EB	BP	For	02	32	38.1	-37	17	55	UGSU
V3200	Cyg	21	03	59.2	+47	23	33	EW	BQ	For	02	59	30.7	-32	38	51	EB
V3201	Cyg	21	04	09.1	+47	33	34	EA	V0522	Gem	06	07	55.8	+23	52	18	EW
V3202	Cyg	21	04	28.5	+48	15	05	EW	V0523	Gem	06	22	30.3	+23	19	33	DSCT
V3203	Cyg	21	05	56.3	+47	53	06	EB	V0524	Gem	06	29	40.9	+20	31	12	M
V3204	Cyg	21	05	58.9	+47	28	45	EW	V0525	Gem	06	32	52.6	+16	08	38	DSCT
V3205	Cyg	21	06	38.5	+48	20	45	EW	V0526	Gem	06	36	07.8	+20	26	14	DSCT
V3206	Cyg	21	07	44.6	+47	02	50	EB	V0527	Gem	06	43	24.8	+21	27	36	DSCT
V3207	Cyg	21	09	21.6	+47	14	45	EB	V0528	Gem	06	45	42.7	+13	39	59	EB
V3208	Cyg	21	09	31.8	+48	10	48	DSCT	V0529	Gem	06	57	43.3	+23	37	13	DSCT
V3209	Cyg	21	10	02.2	+47	00	11	EW	V0530	Gem	07	03	42.3	+20	11	55	DSCT
V3210	Cyg	21	10	51.9	+47	05	08	EA	V0531	Gem	07	03	42.9	+25	21	58	DSCT
V3211	Cyg	21	11	14.3	+53	33	33	DCEP	V0532	Gem	07	03	53.7	+11	01	45	EW
V3212	Cyg	21	11	27.7	+47	06	11	EB	V0533	Gem	07	18	48.9	+14	56	21	DSCT
V3213	Cyg	21	12	41.9	+52	30	07	DCEP	V0534	Gem	07	21	47.4	+28	27	41	DSCT
V3214	Cyg	21	13	02.1	+52	20	46	EW	V0535	Gem	07	25	31.3	+19	19	16	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	'				
V0536	Gem	07	33	30.3	+19	43	56	EA	EW	Ind	22	08	03.8	-51	45	34	M
V0537	Gem	07	44	07.9	+29	08	20	RRAB	EX	Ind	22	16	59.8	-73	00	30	RRAB
V0538	Gem	07	44	38.6	+29	12	23	DSCT	EY	Ind	22	17	21.7	-70	33	33	EW
FP	Gru	22	04	04.1	-47	17	23	RRAB	EZ	Ind	22	40	20.8	-67	30	00	SRB
FQ	Gru	22	05	46.2	-47	24	19	RRC	FF	Ind	23	25	21.1	-67	50	06	RRC
FR	Gru	22	12	31.3	-50	06	40	DSCT	V0903	Lac	22	06	04.2	+52	50	40	SRB
FS	Gru	22	13	29.2	-40	43	32	RRAB	V0904	Lac	22	07	15.5	+41	11	57	DSCTC
FT	Gru	22	34	37.1	-43	47	17	RRC	V0905	Lac	22	18	16.7	+48	30	28	SRB
FU	Gru	22	35	05.7	-39	32	50	RRAB	V0906	Lac	22	19	50.6	+45	24	54	SRS
FV	Gru	22	47	13.2	-41	26	11	RRAB	V0907	Lac	22	20	43.7	+54	34	52	SRB
FW	Gru	22	47	39.7	-36	22	54	UGSU	V0908	Lac	22	23	58.3	+52	49	42	SRB
FX	Gru	22	54	55.8	-52	49	13	RRAB	V0909	Lac	22	24	22.8	+47	15	01	SRB
FY	Gru	23	08	10.2	-54	57	17	SRB	V0910	Lac	22	24	30.4	+51	33	01	EA
FZ	Gru	23	22	38.9	-51	25	00	SRB	V0911	Lac	22	24	44.1	+51	34	15	ELL
GG	Gru	23	22	46.6	-46	41	32	RRAB	V0912	Lac	22	24	56.8	+51	31	38	EB
GH	Gru	23	23	59.1	-36	38	35	UGSU	V0913	Lac	22	26	07.8	+45	47	58	SRB
V1675	Her	16	05	01.4	+20	30	57	UGSU	V0914	Lac	22	29	34.8	+47	08	17	RRC
V1676	Her	16	52	36.3	+46	05	15	UGSU	V0915	Lac	22	30	14.5	+49	09	49	EB:
V1677	Her	17	30	41.8	+16	12	19	EW	V0916	Lac	22	33	09.5	+53	39	12	SRS
V1678	Her	17	32	47.6	+27	07	28	EW	V0917	Lac	22	33	32.7	+47	20	47	SRB
V1679	Her	17	40	33.5	+41	47	56	UGSU	V0918	Lac	22	33	53.9	+48	17	38	SRB
V1680	Her	17	44	58.1	+16	07	59	EA	V0919	Lac	22	35	13.3	+53	21	07	SRB
V1681	Her	17	55	49.7	+22	46	05	EW	V0920	Lac	22	35	37.0	+43	07	13	ACV
V1682	Her	17	56	27.9	+15	53	20	EW	V0921	Lac	22	36	23.0	+53	05	34	UGSS
V1683	Her	17	59	24.1	+25	20	33	UGSU	V0922	Lac	22	42	27.5	+54	46	31	EA
V1684	Her	18	22	14.5	+21	10	54	EW	V0923	Lac	22	42	35.8	+54	11	32	ELL:
V1685	Her	18	26	03.7	+12	23	27	SRB	V0924	Lac	22	42	38.4	+52	24	28	EA
V1686	Her	18	26	21.7	+20	44	59	EA	V0925	Lac	22	42	40.2	+54	53	37	EA
V1687	Her	18	29	46.4	+12	06	38	RRAB	V0926	Lac	22	42	53.9	+54	39	50	EA
V1688	Her	18	30	01.8	+12	33	46	UGSU+EA	V0927	Lac	22	43	05.2	+44	34	42	EW
V1689	Her	18	51	26.8	+19	26	10	CWB	V0928	Lac	22	43	12.8	+54	39	41	DSCTC
BV	Hor	03	22	28.3	-49	53	56	DSCT	V0929	Lac	22	43	14.7	+50	57	32	SRB
V0738	Hya	08	22	34.7	-10	07	01	DSCT	V0930	Lac	22	43	15.1	+54	49	58	SRB
V0739	Hya	08	42	57.8	+01	36	48	DSCT	V0931	Lac	22	43	26.5	+54	11	58	BY:
V0740	Hya	08	53	54.5	-10	43	08	EA	V0932	Lac	22	43	36.8	+54	29	59	EA
V0741	Hya	08	55	52.2	-17	01	40	DSCT	V0933	Lac	22	43	38.2	+54	46	31	EA
V0742	Hya	09	02	39.7	+05	25	01	UGSU	V0934	Lac	22	43	44.4	+54	15	01	SR
V0743	Hya	09	18	01.1	-07	37	44	DSCT	V0935	Lac	22	44	09.0	+54	30	51	BY:
V0744	Hya	09	34	14.5	-08	00	45	DSCT	V0936	Lac	22	44	29.9	+54	31	41	BY
V0745	Hya	09	45	51.0	-19	44	01	UGSU+E	V0937	Lac	22	44	33.6	+53	35	47	SRB
V0746	Hya	09	52	16.8	-24	12	07	RRAB	V0938	Lac	22	44	41.2	+54	03	54	RCB:
V0747	Hya	10	18	40.4	-21	44	50	DSCT	V0939	Lac	22	44	57.1	+55	00	06	SRB
V0748	Hya	10	25	22.2	-15	42	22	UGSU	V0940	Lac	22	44	58.4	+54	44	38	EA
V0749	Hya	10	51	47.8	-27	42	16	SR	V0941	Lac	22	45	02.2	+54	09	41	DSCTC
V0750	Hya	11	12	17.4	-35	38	29	UGSU	V0942	Lac	22	45	02.4	+53	30	58	BY
V0751	Hya	11	15	51.7	-31	29	48	DSCT	V0943	Lac	22	45	04.8	+54	14	33	SRB
V0752	Hya	11	34	20.0	-32	54	35	DSCT	V0944	Lac	22	45	08.6	+52	52	22	DSCTC
V0753	Hya	11	43	43.9	-25	39	50	DSCT	V0945	Lac	22	45	11.0	+54	55	51	EA
V0754	Hya	12	22	21.7	-31	15	24	UGSU	V0946	Lac	22	45	21.1	+54	04	58	EW
V0755	Hya	12	33	11.8	-32	16	19	EA	V0947	Lac	22	45	21.6	+54	06	11	SRB
V0756	Hya	13	07	48.5	-29	28	29	DSCT	V0948	Lac	22	45	24.8	+47	01	00	LB
ET	Ind	22	03	52.3	-59	33	01	M	V0949	Lac	22	45	58.6	+54	03	48	EB
EU	Ind	22	04	00.9	-59	33	57	EW	V0950	Lac	22	46	10.8	+53	28	38	SR
EV	Ind	22	07	21.2	-68	43	12	SRB	V0951	Lac	22	46	11.0	+54	12	45	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	' "	
V0952 Lac	22	46	11.7	+53	13 33	EW	V1006 Lac	22	51	41.9	+54	05 52	SRB
V0953 Lac	22	46	16.9	+53	33 03	EW	V1007 Lac	22	51	43.3	+53	28 21	EA
V0954 Lac	22	46	25.1	+54	16 56	EA	V1008 Lac	22	51	45.0	+55	05 44	EA
V0955 Lac	22	46	47.8	+54	53 46	SRB	V1009 Lac	22	51	45.6	+54	55 42	SRB
V0956 Lac	22	46	53.1	+53	58 44	GDOR	V1010 Lac	22	51	56.6	+53	03 21	DSCTC
V0957 Lac	22	47	01.0	+52	52 34	EA/RS	V1011 Lac	22	51	58.1	+54	26 50	DSCTC
V0958 Lac	22	47	08.3	+50	06 47	LB	V1012 Lac	22	51	58.5	+53	18 51	EA
V0959 Lac	22	47	12.7	+55	01 10	EW	V1013 Lac	22	52	20.4	+53	35 51	EW
V0960 Lac	22	47	24.3	+54	43 01	EA	V1014 Lac	22	52	31.8	+52	53 50	EA
V0961 Lac	22	47	25.5	+52	58 00	EA	V1015 Lac	22	52	32.4	+53	29 32	ELL
V0962 Lac	22	47	25.9	+54	07 25	EW	V1016 Lac	22	52	32.5	+51	13 50	SRB
V0963 Lac	22	47	40.2	+54	04 43	BY	V1017 Lac	22	52	34.0	+54	27 30	EA
V0964 Lac	22	47	46.3	+54	36 46	EW	V1018 Lac	22	52	40.7	+53	26 23	EW
V0965 Lac	22	47	58.0	+54	21 01	SRB	V1019 Lac	22	52	43.8	+53	55 37	EA
V0966 Lac	22	48	22.9	+48	11 35	EA	V1020 Lac	22	52	47.6	+54	31 24	RRC:
V0967 Lac	22	48	32.4	+54	25 46	EW	V1021 Lac	22	53	02.9	+54	53 53	LB
V0968 Lac	22	48	35.1	+53	59 57	SRB	V1022 Lac	22	53	04.3	+54	45 30	EA
V0969 Lac	22	48	39.4	+54	02 37	EB	V1023 Lac	22	53	04.9	+48	58 30	SRB
V0970 Lac	22	48	41.1	+53	36 47	EW	V1024 Lac	22	53	07.1	+54	35 35	RCB:
V0971 Lac	22	48	43.8	+53	14 07	ELL	V1025 Lac	22	53	21.2	+54	07 37	EW
V0972 Lac	22	48	44.8	+54	15 06	EB	V1026 Lac	22	54	14.0	+56	52 38	EA
V0973 Lac	22	48	45.3	+53	40 05	EA	V1027 Lac	22	56	18.1	+41	09 54	UGSU
V0974 Lac	22	48	48.6	+53	18 41	EW	V0352 Leo	09	30	44.1	+32	09 17	RR(B)
V0975 Lac	22	48	51.4	+55	01 21	DSCTC	V0353 Leo	09	36	31.4	+28	20 23	EB/RS
V0976 Lac	22	48	54.6	+54	05 22	SR:	V0354 Leo	09	47	05.7	+32	01 55	DSCT
V0977 Lac	22	48	59.1	+54	21 38	EA	V0355 Leo	09	51	05.7	+19	08 26	DSCT
V0978 Lac	22	49	02.5	+53	15 06	EA	V0356 Leo	10	25	56.0	+20	49 16	EW
V0979 Lac	22	49	02.8	+53	45 34	EW	V0357 Leo	10	44	11.4	+21	13 07	UGSU
V0980 Lac	22	49	07.1	+53	30 56	EA	V0358 Leo	10	55	15.6	+17	04 33	EA
V0981 Lac	22	49	08.6	+53	25 36	EW	V0359 Leo	11	16	36.4	-01	54 11	EB
V0982 Lac	22	49	09.7	+53	56 41	EW	V0360 Leo	11	26	19.5	+08	46 51	UGSU
V0983 Lac	22	49	14.7	+53	28 09	SRB	BC LMi	09	40	51.0	+34	52 05	RR(B)
V0984 Lac	22	49	16.7	+54	42 50	SRB	BD LMi	09	53	35.5	+40	33 19	EA
V0985 Lac	22	49	22.6	+53	08 35	EW	DD Lep	05	27	39.2	-11	50 15	DSCT
V0986 Lac	22	49	25.8	+54	45 02	LB	DE Lep	05	46	59.0	-13	42 37	DSCT
V0987 Lac	22	49	40.9	+54	19 57	SRB	DF Lep	05	50	17.1	-11	00 45	EA
V0988 Lac	22	49	43.8	+54	21 30	EA	V0393 Lib	15	32	00.3	-28	33 57	UGSU
V0989 Lac	22	50	01.2	+54	47 41	SRB	V0394 Lib	15	37	56.9	-24	40 15	UGSU
V0990 Lac	22	50	05.6	+54	24 27	EW	V0395 Lib	15	44	46.9	-19	16 45	EA
V0991 Lac	22	50	12.5	+54	15 59	SR	V0459 Lup	15	10	07.3	-37	58 43	RRAB
V0992 Lac	22	50	16.3	+55	01 31	SRB	V0460 Lup	15	20	19.2	-37	12 56	RRAB
V0993 Lac	22	50	18.6	+50	15 19	EW	V0461 Lup	15	57	13.5	-30	01 35	RRAB
V0994 Lac	22	50	31.2	+53	51 34	EA	V0388 Lyn	06	35	10.8	+56	30 28	DSCT
V0995 Lac	22	50	32.1	+54	51 02	EA	V0389 Lyn	06	46	19.6	+50	45 49	NL
V0996 Lac	22	50	33.2	+53	25 49	EW	V0390 Lyn	06	52	16.9	+53	55 47	DSCT
V0997 Lac	22	50	51.2	+54	07 48	EA	V0391 Lyn	07	34	16.6	+47	54 02	EW
V0998 Lac	22	50	59.7	+49	50 06	EB	V0392 Lyn	07	52	55.0	+53	05 31	UGSU
V0999 Lac	22	51	02.4	+54	00 08	EA	V0393 Lyn	07	54	18.7	+38	12 25	UGSU
V1000 Lac	22	51	06.8	+53	26 06	SRB	V0394 Lyn	08	10	54.2	+57	40 01	EA
V1001 Lac	22	51	14.0	+54	26 27	EA	V0395 Lyn	08	15	58.4	+49	22 29	EA/RS
V1002 Lac	22	51	14.3	+53	35 29	M	V0396 Lyn	09	16	12.3	+36	15 34	EA
V1003 Lac	22	51	15.5	+54	55 18	SR	V0904 Lyr	18	19	53.8	+36	13 56	UGSU
V1004 Lac	22	51	19.7	+53	04 30	SRB	V0905 Lyr	18	32	37.1	+27	09 26	EA
V1005 Lac	22	51	33.7	+54	56 21	EW	V0906 Lyr	18	53	28.8	+42	03 43	UGSU

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	'	"		
V0907	Lyr	19	04	44.7	+29	15	55	RRC	V4345	Oph	17	35	11.5	-01	14	02	EW
V0908	Lyr	19	07	16.6	+46	39	53	EA	V4346	Oph	17	38	09.5	-24	01	36	RRAB
BG	Men	04	03	20.1	-83	41	59	DSCT	V4347	Oph	17	38	16.6	-23	46	37	RRAB
V1030	Mon	06	37	12.7	-02	34	36	EW	V4348	Oph	17	38	23.0	-23	51	52	RRAB:
V1031	Mon	06	37	30.1	+08	15	17	ELL	V4349	Oph	17	38	24.4	-23	51	49	RRAB
V1032	Mon	06	45	44.0	-08	50	36	EA	V4350	Oph	17	38	31.6	-23	50	07	RRC
V1033	Mon	07	05	19.3	+07	21	53	DSCT	V4351	Oph	17	38	34.1	-23	59	28	RRAB
V1034	Mon	07	05	20.8	+07	22	32	EW	V4352	Oph	17	38	34.9	-23	57	14	RRAB
V1035	Mon	07	06	31.1	-09	25	23	EA	V4353	Oph	17	38	36.1	-23	50	18	RRAB
V1036	Mon	07	10	18.9	-01	08	01	EA	V4354	Oph	17	38	36.4	-24	01	15	RRC
V1037	Mon	07	16	07.9	-04	46	47	EB	V4355	Oph	17	38	36.8	-23	51	52	RRAB
V1038	Mon	07	20	51.1	-05	53	51	EB	V4356	Oph	17	38	37.4	-23	47	54	RRAB
V1039	Mon	07	26	09.0	-09	47	18	EW	V4357	Oph	17	38	40.8	-23	51	59	RRAB
V1040	Mon	07	28	27.2	-02	08	00	DSCT	V4358	Oph	17	38	42.6	-24	01	23	RRC
V1041	Mon	07	36	28.0	-10	04	25	DSCT	V4359	Oph	17	38	50.6	-23	54	12	RRAB
V1042	Mon	07	38	09.1	-03	31	32	EA	V4360	Oph	17	38	53.9	-23	53	30	RRAB
V1043	Mon	07	38	20.2	-02	48	04	EW	V4361	Oph	17	38	56.7	-23	56	19	RRAB
V1044	Mon	07	44	33.4	-09	52	48	DSCT	V4362	Oph	17	39	02.2	-24	00	54	RRAB
V1045	Mon	07	50	28.4	-07	07	33	DSCT	V4363	Oph	17	39	08.0	+03	39	50	EW
V1046	Mon	07	52	33.3	-10	01	43	DSCT	V4364	Oph	17	44	54.4	-02	40	57	EA
V1047	Mon	08	09	08.9	-04	44	55	EA	V4365	Oph	17	45	47.5	+14	10	54	EB
V0415	Mus	13	24	31.3	-72	10	30	NA	V4366	Oph	18	16	12.0	+05	06	20	EW
V0416	Mus	11	45	01.6	-71	11	20	DSCT	V4367	Oph	18	19	32.4	+09	17	37	CWB
V0417	Mus	12	02	11.3	-65	01	58	SRB	V4368	Oph	18	28	39.6	+06	46	00	EA
V0418	Mus	13	03	50.8	-65	03	51	EA	V4369	Oph	18	42	29.1	+08	58	35	DSCT
V0567	Nor	16	27	23.8	-46	02	00	NA	V2861	Ori	04	54	25.9	+15	16	00	DSCT
GR	Oct	13	28	36.0	-85	52	33	RRAB	V2862	Ori	04	56	48.0	-02	24	01	EB
GS	Oct	22	13	20.5	-78	31	35	RRAB	V2863	Ori	05	45	57.2	+04	51	55	DSCT
GT	Oct	22	15	16.8	-77	06	19	RRAB	V2864	Ori	06	00	10.1	+14	26	12	UGSU
GU	Oct	22	36	43.2	-78	07	15	RRAB	V2865	Ori	06	04	55.6	+05	33	44	DSCT
GV	Oct	22	53	02.7	-76	55	30	RRAB	V2866	Ori	06	07	14.4	+06	04	18	EA
GW	Oct	23	04	53.0	-75	43	05	EA	V2867	Ori	06	07	30.7	-01	01	47	UGSU
GX	Oct	23	07	23.3	-76	49	08	RRC	V2868	Ori	06	12	45.0	+07	16	43	SR
GY	Oct	23	11	01.3	-77	35	01	RRC	V2869	Ori	06	18	22.9	+17	47	55	DCEP
GZ	Oct	23	14	15.6	-79	50	35	RRC	V0555	Pav	17	53	58.3	-57	54	35	RRAB
HH	Oct	23	35	15.3	-89	27	52	RRAB	V0556	Pav	20	22	44.4	-56	52	17	UG
HI	Oct	23	35	23.8	-78	37	10	RRC	V0773	Peg	21	13	51.3	+18	26	46	EW
HK	Oct	23	38	18.9	-77	42	29	EW	V0774	Peg	21	26	25.1	+20	19	46	UGSU
HL	Oct	23	44	11.3	-79	29	39	SRD	V0775	Peg	21	39	08.8	+16	12	40	UGSU
HM	Oct	23	47	16.6	-78	42	19	RRC	V0776	Peg	21	47	38.4	+24	45	54	UGSU
HN	Oct	23	53	07.8	-74	29	53	RRC	V0777	Peg	21	54	57.7	+26	41	13	UGSU
HO	Oct	23	54	41.5	-77	00	27	SRB	V0778	Peg	22	05	54.0	+11	55	54	UGSU
V4333	Oph	16	39	53.9	-00	33	13	EA	V0779	Peg	22	09	54.2	+25	45	37	LB
V4334	Oph	16	52	59.0	-05	04	36	EA	V0780	Peg	22	14	09.2	+15	34	31	SRB
V4335	Oph	16	53	13.3	+02	16	46	EW	V0781	Peg	22	15	04.4	+30	40	51	SR
V4336	Oph	17	03	16.7	-25	57	37	LB	V0782	Peg	22	20	33.7	+24	38	23	SRB
V4337	Oph	17	03	17.7	-25	57	19	RRAB	V0783	Peg	22	28	49.7	+10	42	33	SRB
V4338	Oph	17	05	52.8	-16	34	17	RCB	V0784	Peg	22	34	40.6	+24	29	55	SRB
V4339	Oph	17	05	56.7	-27	08	13	M	V0785	Peg	22	36	27.3	+20	12	24	EW
V4340	Oph	17	07	57.3	-24	58	14	M	V0786	Peg	22	42	58.1	+10	29	05	SRB
V4341	Oph	17	14	42.6	-29	43	45	UGSU	V0787	Peg	22	45	24.9	+21	17	42	UGSU
V4342	Oph	17	24	37.1	-29	52	04	M	V0788	Peg	22	56	53.8	+25	06	47	SRB
V4343	Oph	17	27	10.5	+04	48	52	RRAB	V0789	Peg	23	00	00.9	+30	39	01	EW
V4344	Oph	17	29	29.5	+00	54	04	UGSU	V0790	Peg	23	00	07.0	+30	39	18	EB

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		'	''	
V0791 Peg	23	06	30.3	+12	49	40	RRAB	MM	Psc	01	41	39.9	+06	14	37	NL
V0792 Peg	23	06	33.3	+12	42	41	RRAB	MN	Psc	23	05	23.3	-02	25	48	UGSU
V0793 Peg	23	06	41.5	+12	49	28	CWB	MO	Psc	23	11	11.0	+01	30	04	UGSU
V0794 Peg	23	17	57.6	+19	17	03	EA	MP	Psc	23	33	47.1	+06	17	55	SRB
V0795 Peg	23	22	07.5	+16	31	50	SRB	MQ	Psc	23	39	13.8	-02	26	18	SRB
V0796 Peg	23	26	55.7	+25	07	35	SRB	MR	Psc	23	41	30.8	+01	26	25	RS
V0797 Peg	23	34	04.1	+29	52	14	SRB	MS	Psc	23	42	07.3	+00	32	53	RR(B)
V0798 Peg	23	47	23.2	+26	07	53	LB	MT	Psc	23	48	01.0	+00	53	59	EW
V0799 Peg	23	54	07.2	+14	28	39	SRB	AT	PsA	22	29	43.6	-35	45	43	EA
V0800 Peg	23	54	38.5	+22	35	15	SRB	V0752 Pup	06	49	44.0	-45	16	41	DSCT	
V0801 Peg	23	55	41.5	+25	08	39	ELL/RS	V0753 Pup	06	59	39.0	-38	01	59	DSCT	
V0802 Peg	23	57	27.4	+24	07	31	SR	V0754 Pup	06	59	42.3	-44	41	56	DSCT	
V1113 Per	01	52	55.6	+57	58	03	ACV	V0755 Pup	07	28	38.2	-12	54	41	GCAS	
V1114 Per	01	54	24.7	+58	06	38	EA	V0756 Pup	07	30	31.6	-44	51	51	DSCT	
V1115 Per	01	55	36.7	+58	06	05	EA	V0757 Pup	07	33	41.4	-11	42	13	EA	
V1116 Per	02	03	48.4	+58	38	07	EA	V0758 Pup	08	21	12.9	-24	38	24	DSCT	
V1117 Per	02	03	58.6	+58	59	24	SRB	V0759 Pup	08	24	44.2	-23	20	15	SRB	
V1118 Per	02	06	01.4	+58	51	32	EA	EI	Pyx	08	52	32.0	-29	11	49	DSCT
V1119 Per	02	06	57.8	+58	20	33	EA	EK	Pyx	08	58	34.4	-30	27	02	DSCT
V1120 Per	02	14	38.2	+52	54	44	DSCT	EL	Pyx	08	58	54.2	-27	40	30	UGSU
V1121 Per	02	27	49.0	+56	39	43	EA	EM	Pyx	09	19	18.2	-35	39	05	DSCT
V1122 Per	02	43	56.0	+53	59	25	ACV	ZZ	Ret	03	21	19.1	-66	18	06	SXPHE
V1123 Per	03	00	26.4	+52	27	17	ELL	AA	Ret	03	26	11.4	-59	21	25	DSCT
V1124 Per	03	11	06.9	+34	29	10	DSCT	AB	Ret	03	58	31.4	-58	43	54	DSCT
V1125 Per	03	20	11.9	+44	10	38	RRC	AC	Ret	04	22	16.9	-63	18	11	DSCT
V1126 Per	03	27	45.6	+45	17	20	EW	V0444 Sge	20	01	03.1	+16	19	33	EW	
V1127 Per	03	45	53.4	+37	45	09	EW	V0445 Sge	20	12	12.2	+19	20	46	DSCTC	
V1128 Per	03	55	44.3	+44	15	26	DSCT	V0446 Sge	20	16	50.8	+16	53	20	EB	
V1129 Per	04	05	17.7	+48	29	48	ELL	V6596 Sgr	17	56	27.9	-17	14	54	NA	
V1130 Per	04	12	34.7	+51	42	11	EB	V6597 Sgr	17	58	34.2	-26	52	29	N	
V1131 Per	04	21	00.9	+51	30	08	SR	V6598 Sgr	17	52	49.3	-20	24	15	NA	
V1132 Per	04	28	22.7	+47	11	48	EA	V6599 Sgr	17	59	14.2	-24	40	41	EA	
V1133 Per	04	29	22.6	+45	34	03	DCEPS	V6600 Sgr	18	01	10.6	-24	48	47	M	
V1134 Per	04	30	20.6	+50	34	20	DCEPS	V6601 Sgr	18	02	40.3	-33	14	15	M	
V1135 Per	04	30	30.7	+43	39	11	DCEP	V6602 Sgr	18	03	45.0	-34	00	48	M	
V1136 Per	04	31	11.3	+50	09	04	DCEPS	V6603 Sgr	18	06	04.4	-31	12	44	M	
V1137 Per	04	43	22.9	+46	57	04	DCEP(B)	V6604 Sgr	18	11	33.2	-27	43	40	SR	
V1138 Per	04	47	34.8	+41	03	52	ELL	V6605 Sgr	18	12	33.1	-31	57	31	M	
V1139 Per	04	48	21.2	+39	39	21	ELL	V6606 Sgr	18	15	20.7	-30	25	28	M	
DX Phe	00	54	09.8	-53	57	50	DSCT	V6607 Sgr	18	19	04.0	-25	35	06	SRB	
DY Phe	23	34	46.2	-48	54	19	RRC	V6608 Sgr	18	21	06.6	-16	06	37	EB	
DZ Phe	23	40	19.3	-44	29	05	SRD	V6609 Sgr	18	32	21.6	-16	27	24	NL+EA	
EE Phe	23	49	45.4	-43	17	08	SR	V6610 Sgr	18	33	13.1	-24	57	50	M	
EF Phe	23	55	16.0	-54	47	22	RRAB	V6611 Sgr	18	38	14.4	-31	06	29	RRAB	
EG Phe	23	56	29.7	-54	12	01	M	V6612 Sgr	18	49	24.5	-30	46	31	RRAB	
BF Pic	04	58	01.3	-50	11	08	DSCT	V6613 Sgr	19	00	54.8	-16	19	37	M	
BG Pic	06	06	02.7	-60	39	42	UGSU	V6614 Sgr	19	00	57.7	-16	19	02	SRB	
BH Pic	06	51	40.5	-59	55	18	SR	V6615 Sgr	19	01	01.4	-16	19	09	SRB	
LU Psc	00	11	33.7	+04	51	23	UGSU	V6616 Sgr	19	02	31.0	-13	09	40	DSCT	
LV Psc	00	50	20.9	+14	00	34	EW	V6617 Sgr	19	03	49.1	-13	41	17	SRB	
LW Psc	01	20	59.6	+32	55	45	UGSU	V6618 Sgr	19	11	59.0	-35	35	27	EA+DSCT	
LX Psc	01	22	42.5	+08	54	07	DSCT	V6619 Sgr	19	15	51.2	-14	15	00	EW	
LY Psc	01	37	21.7	+10	10	32	DSCT	V1716 Sco	17	22	45.0	-41	37	16	NA	
LZ Psc	01	37	41.1	+22	03	12	UG	V1717 Sco	17	28	23.6	-31	13	18	N	



Table 2. Recent Novae

GCVS		Nova	Coordinates, J2000	
FQ	Cir	TCP J15244460-6059200	15 <sup>h</sup> 24 <sup>m</sup> 47 <sup>s</sup> .62	-60°59'47".3
V0415	Mus	N Mus 2022	13 24 31.30	-72 10 30.3
V0567	Nor	N Nor 2023	16 27 23.85	-46 01 56.8
V6596	Sgr	N Sgr 2023 No. 1	17 56 27.90	-17 14 53.6
V6597	Sgr	N Sgr 2023 No. 2	17 58 34.19	-26 52 29.3
V6598	Sgr	N Sgr 2023 No. 3	17 52 49.31	-20 24 15.4
V1716	Sco	N Sco 2023 No. 1	17 22 45.05	-41 37 16.3
V1717	Sco	N Sco 2023 No. 2	17 28 23.64	-31 13 17.6
V1718	Sco	N Sco 2023 No. 3	17 18 33.82	-31 23 46.2