

The 84th Name-List of Variable Stars. Globular Clusters (Third Part) and Novae

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We present a new Name-List of variable stars containing information on 779 variable stars in globular star clusters (constellations Lynx – Ophiuchus; 27 clusters in 4 constellations) that now get their names in the system of the General Catalogue of Variable Stars (GCVS). Also, GCVS names are assigned to eleven recent Novae in our Galaxy. A correction to the 83rd Name-list of variable stars is announced.

1 INTRODUCTION

This Name-list of variable stars is the third part of our list of variable stars in globular clusters (the first two parts appeared in Kazarovets et al., 2019 and Samus et al., 2020, and contained 1791 stars in 36 clusters, belonging to 20 constellations from Apus to Lupus). Compilation of such lists in the format of the General Catalogue of Variable Stars (GCVS; Samus et al., 2017) became possible after determination of equatorial coordinates for a large number of variable stars in globular clusters (Samus et al., 2009) and introduction of equatorial coordinates into new versions of the electronic Catalogue of variable stars in galactic globular clusters (Clement et al., 2001).

It was planned that the 83rd Name-list (Samus et al., 2020) should contain all globular clusters that contain variable stars in the constellations from Bootes to Lynx, in their alphabet order. Due to a technical mistake, the globular cluster NGC 2419 in Lynx was not listed, though the text of the 83rd Name-list contained a paragraph discussing problems we encountered when dealing with this cluster. Since then, the problems were not solved, so we have to reproduce this paragraph below, in the next section of the present paper.

As usually, we use the opportunity of the present Name-list to announce new GCVS names for eleven Novae, mostly (with a single exception) those discovered in 2020–2021.

2 THE NAME-LIST

This publication, the 84rd Name-List of Variable Stars, contains information on 776 variable stars in 27 galactic globular clusters newly named in the system of the GCVS (Samus et al., 2017). The clusters, selected in alphabet order of the constellations they belong to, are mainly from 4 constellations (Lynx, Lyra, Musca, and Ophiuchus), Ophiuchus being the constellation second-richest in globular clusters after Sagittarius. The center of the globular cluster NGC 6266 is in Ophiuchus, at the border of Scorpius; most of its variable stars are in Ophiuchus, but some of its variable stars are in Scorpius. The center of the globular cluster NGC 6539 is in Serpens, but it also contains variable stars belonging to Ophiuchus. In both cases, we decided to include all stars selected for GCVS in these clusters into the present, 84th, Name-list.

In the Introduction, it is mentioned that variable stars in NGC 2419 (Lynx) were not included into the 83rd Name-list of variable stars because of a clerical error. They are presented in the current Name-list. We have to repeat the text concerning variable stars in this cluster from the previous Name-list (Samus et al., 2020): “...The cluster is very distant, many faint variables are strongly crowded; nevertheless, the Gaia DR2 catalogue is still effective in most cases. The main reference for this cluster is Di Criscienzo et al. (2011). Towards the end of the list of variables in Di Criscienzo et al. (2011), we encounter quite a number of problem cases, including situations when DSS images show really faint stars but away from positions reported in the cited paper; Gaia DR2 stars are near DSS images but not in the reported positions (at distances up to 10'' from them). Dr. M. Di Crescenzo did not answer our questions, and we had to leave a number of variable stars in NGC 2419 not included in the current Name-list”.

As mentioned in the Introduction, this work became possible only when equatorial coordinates had been determined by Samus et al. (2009) for all globular-cluster variable stars contained in the Clement et al. (2001) catalogue (Catalogue of Variable Stars in Galactic Globular Clusters, CVSGGC) by that time. Since then, the CVSGGC was considerably appended. Fortunately, the authors of new discoveries and of new thorough investigations now use to present equatorial, rather than rectangular, coordinates in their publications. In common cases between new studies and our identifications, the coordinates from Samus et al. (2009) turn out to be generally correct in most cases. Naturally, now we are able to check these coordinates using the Gaia DR2 catalogue (Gaia Collaboration, 2018) and Gaia EDR3 catalogue (Gaia Collaboration, 2021); even in the dense fields of globular clusters, Gaia coordinates are available for a vast majority of variable stars.

A small number of mistakes in Samus et al. (2009) were noticed by attentive users (we should like to mention, with thanks, a thorough work by Arellano Ferro et al., 2013, who found two wrong identifications made by Samus et al., 2009, in the globular cluster M9 = NGC 6366 and correctly understood the reasons for these mistakes).

The current versions of the CVSGGC tend to use coordinates from new publications that appeared after 2009 rather than the coordinates from Samus et al. (2009). There is one case in the present Name-list where the result was that the quality of CVSGGC coordinates became poor. Namely, the current version of the CVSGGC for NGC 6266 (M62), dated March 2011, uses coordinates from Contreras et al. (2010), despite the following remark in the CVSGGC: “Contreras (October 2013 – private communication) has pointed out that there are some problems with the coordinates published in their paper (Contreras et al. 2010). They intend to publish an erratum soon”. Actually, all declinations in Contreras et al. (2010) are erroneous by several seconds of arc, and there

is little hope that an erratum will be ever published, after more than 10 years since the original publication.

Many variable stars in globular clusters are faint, some of them are in rather crowded fields. Nevertheless, in some cases, we were able to check photometric information and/or to derive new light elements. For this purpose, we mainly used the ASAS-SN (Shappee et al., 2014; Kochanek et al., 2017) and Catalina (Drake et al., 2009) databases. In total, improving light elements was possible for 101 stars (13% of all stars in the current Name-list).

The current Name-list contains a small number of stars without calibrated photometry, their variation amplitude (expressed in magnitudes) unknown. In the past, we refrained from naming such objects. This time, we decided to include stars with reasonably good light curves and at least one calibrated magnitude available.

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, CVSGGS names, equatorial coordinates (rounded to an accuracy sufficient for identification), and variability types for each of the 776 stars included into the Name-list. The order of stars in Table 1 corresponds to the order of stars in the GCVS, with the exception of the two above-mentioned clusters at the border of two constellations, NGC 6266 and NGC 6539 (for them, the order is that of right ascension within the constellation). Other data will be presented at <http://www.sai.msu.su/gcvs/gcvs/nl84> 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 eleven Novae in our Galaxy, ten of them recent and one, recently confirmed spectroscopically. It contains the GCVS names, Nova names, and J2000.0 coordinates.

The total number of named variable stars, not counting designated non-existing stars or stars subsequently identified with earlier-named variables, is now 58 035.

3 CORRECTION

In the 83rd Name-list of variable stars (Samus et al., 2020), the variable star V1 in the globular cluster NGC 5286 got the name V1842 Cen. Several GCVS users noticed that the star already had the GCVS name GI Cen. We strongly recommend that the name GI Cen is used for the star as the main one.

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Table 1. Variable stars in globular clusters

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
NGC 2419					
NQ	Lyn NGC 2419	V098	07 37 38.96	+38 50 22.0	RRC:
NR	Lyn NGC 2419	V096	07 37 39.79	+38 51 33.0	EA
NS	Lyn NGC 2419	V093	07 37 49.89	+38 44 59.9	RRC:
NT	Lyn NGC 2419	V028	07 37 51.93	+38 53 54.3	EA
NU	Lyn NGC 2419	V091	07 37 52.82	+38 54 14.4	SXPHE
NV	Lyn NGC 2419	V024	07 37 55.68	+38 52 44.3	RRAB
NW	Lyn NGC 2419	V014	07 37 58.44	+38 52 41.2	RRC
NX	Lyn NGC 2419	V019	07 37 59.06	+38 52 14.0	RRAB
NY	Lyn NGC 2419	V084	07 38 01.46	+38 53 12.0	RRAB
NZ	Lyn NGC 2419	V080	07 38 01.81	+38 53 16.6	RRAB
OO	Lyn NGC 2419	V085	07 38 01.85	+38 54 10.4	RRC
OP	Lyn NGC 2419	V026	07 38 02.22	+38 52 02.4	RRAB
OQ	Lyn NGC 2419	V029	07 38 03.29	+38 52 46.2	SXPHE
OR	Lyn NGC 2419	V025	07 38 03.32	+38 53 30.9	RRAB
OS	Lyn NGC 2419	V075	07 38 03.56	+38 52 16.2	RRAB
OT	Lyn NGC 2419	V021	07 38 03.62	+38 53 22.9	RRAB
OU	Lyn NGC 2419	V009	07 38 05.68	+38 54 20.4	RRC
OV	Lyn NGC 2419	V020	07 38 05.99	+38 53 37.5	RRAB
OW	Lyn NGC 2419	V055	07 38 06.02	+38 52 59.0	RRAB
OX	Lyn NGC 2419	V057	07 38 06.02	+38 52 42.0	SR
OY	Lyn NGC 2419	V030	07 38 06.09	+38 53 16.2	RRC
OZ	Lyn NGC 2419	V051	07 38 06.21	+38 52 56.9	RRAB
PP	Lyn NGC 2419	V046	07 38 06.47	+38 52 50.1	RRAB
PQ	Lyn NGC 2419	V045	07 38 06.53	+38 52 54.8	RRC
PR	Lyn NGC 2419	V060	07 38 06.68	+38 53 18.2	RRAB
PS	Lyn NGC 2419	V032	07 38 06.72	+38 53 40.2	RRC
PT	Lyn NGC 2419	V008	07 38 06.87	+38 53 33.5	RRC
PU	Lyn NGC 2419	V041	07 38 07.20	+38 53 23.1	RRAB
PV	Lyn NGC 2419	V018	07 38 07.21	+38 54 46.2	LB
PW	Lyn NGC 2419	V071	07 38 07.33	+38 51 56.3	RRC
PX	Lyn NGC 2419	V043	07 38 07.56	+38 52 34.1	CWB
PY	Lyn NGC 2419	V053	07 38 07.81	+38 53 16.7	SXPHE
PZ	Lyn NGC 2419	V002	07 38 07.96	+38 52 33.7	RRC
QQ	Lyn NGC 2419	V056	07 38 07.99	+38 52 24.0	RRAB
QR	Lyn NGC 2419	V050	07 38 08.00	+38 53 15.7	RRAB
QS	Lyn NGC 2419	V049	07 38 08.13	+38 53 15.9	RRC
QT	Lyn NGC 2419	V038	07 38 08.14	+38 52 03.5	RRAB
QU	Lyn NGC 2419	V062	07 38 08.33	+38 53 31.2	RRC
QV	Lyn NGC 2419	V070	07 38 08.47	+38 53 46.6	RRC
QW	Lyn NGC 2419	V083	07 38 08.54	+38 51 31.4	RRAB
QX	Lyn NGC 2419	V061	07 38 08.59	+38 52 16.1	RRC
QY	Lyn NGC 2419	V047	07 38 08.62	+38 53 14.2	SXPHE
QZ	Lyn NGC 2419	V042	07 38 08.72	+38 52 45.7	SXPHE
V0335	Lyn NGC 2419	V052	07 38 09.59	+38 53 12.4	RRAB
V0336	Lyn NGC 2419	V027	07 38 09.76	+38 51 08.8	RRAB
V0337	Lyn NGC 2419	V010	07 38 09.89	+38 52 00.7	RRC
V0338	Lyn NGC 2419	V072	07 38 09.95	+38 53 49.0	RRC
V0339	Lyn NGC 2419	V048	07 38 10.04	+38 52 40.8	SR
V0340	Lyn NGC 2419	V064	07 38 10.30	+38 52 15.9	RRC
V0341	Lyn NGC 2419	V036	07 38 10.33	+38 53 34.8	RRC
V0342	Lyn NGC 2419	V034	07 38 10.37	+38 55 28.6	RRAB
V0343	Lyn NGC 2419	V059	07 38 10.44	+38 53 09.2	RRAB
V0344	Lyn NGC 2419	V054	07 38 10.54	+38 52 50.3	RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0349	Lyn NGC 2419 V023	07 38 10.72	+38 54 10.3		RRAB
V0350	Lyn NGC 2419 V067	07 38 10.99	+38 53 23.1		RRC
V0351	Lyn NGC 2419 V063	07 38 10.99	+38 53 16.0		RRC
V0352	Lyn NGC 2419 V005	07 38 11.17	+38 53 38.4		RRAB
V0353	Lyn NGC 2419 V037	07 38 11.21	+38 53 08.7		RRAB
V0354	Lyn NGC 2419 V065	07 38 11.33	+38 52 27.9		RRC
V0355	Lyn NGC 2419 V073	07 38 11.52	+38 52 01.8		SXPHE
V0356	Lyn NGC 2419 V001	07 38 11.61	+38 51 58.7		SR
V0357	Lyn NGC 2419 V066	07 38 11.62	+38 53 10.0		RRC
V0358	Lyn NGC 2419 V035	07 38 12.02	+38 52 59.5		RRAB
V0359	Lyn NGC 2419 V076	07 38 12.10	+38 51 59.0		RRC
V0360	Lyn NGC 2419 V081	07 38 12.10	+38 53 57.4		SXPHE
V0361	Lyn NGC 2419 V068	07 38 12.15	+38 52 48.6		RRC
V0362	Lyn NGC 2419 V033	07 38 12.28	+38 52 33.6		RRC
V0363	Lyn NGC 2419 V016	07 38 12.40	+38 54 03.0		RRAB
V0364	Lyn NGC 2419 V003	07 38 12.70	+38 52 27.1		RRAB
V0365	Lyn NGC 2419 V006	07 38 12.86	+38 50 43.7		RRC
V0366	Lyn NGC 2419 V040	07 38 13.09	+38 52 46.9		RRAB
V0367	Lyn NGC 2419 V077	07 38 13.14	+38 52 08.0		RRC
V0368	Lyn NGC 2419 V079	07 38 13.19	+38 52 00.0		SXPHE
V0369	Lyn NGC 2419 V015	07 38 13.68	+38 53 30.3		RRAB
V0370	Lyn NGC 2419 V078	07 38 13.75	+38 53 25.5		SXPHE
V0371	Lyn NGC 2419 V074	07 38 13.78	+38 52 47.7		RRC
V0372	Lyn NGC 2419 V082	07 38 13.86	+38 53 37.1		RRC
V0373	Lyn NGC 2419 V101	07 38 14.88	+38 50 24.7		SXPHE
V0374	Lyn NGC 2419 V004	07 38 15.13	+38 52 35.0		RRC
V0375	Lyn NGC 2419 V007	07 38 16.20	+38 54 18.6		RRAB
V0376	Lyn NGC 2419 V011	07 38 16.43	+38 52 42.1		RRAB
V0377	Lyn NGC 2419 V013	07 38 16.93	+38 52 40.0		RRAB
V0378	Lyn NGC 2419 V022	07 38 17.65	+38 52 44.2		RRAB
V0379	Lyn NGC 2419 V017	07 38 17.75	+38 54 40.7		RRAB
V0380	Lyn NGC 2419 V087	07 38 18.40	+38 51 26.3		EA
V0381	Lyn NGC 2419 V086	07 38 19.62	+38 53 15.6		SR
V0382	Lyn NGC 2419 V089	07 38 19.79	+38 55 07.2		RRC
V0383	Lyn NGC 2419 V012	07 38 19.80	+38 54 40.8		RRAB
V0384	Lyn NGC 2419 V031	07 38 21.21	+38 50 23.2		RRC
V0385	Lyn NGC 2419 V090	07 38 23.14	+38 54 11.5		RRC
V0386	Lyn NGC 2419 V094	07 38 26.08	+38 58 09.9		RRAB
NGC 4372					
V0359	Mus NGC 4372 V001	12 23 00.58	-72 40 03.0		M
V0360	Mus NGC 4372 V005	12 24 37.66	-72 36 59.1		EW
V0361	Mus NGC 4372 V009	12 25 08.26	-72 38 45.8		SXPHE
V0362	Mus NGC 4372 V019	12 25 10.00	-72 42 54.4		EW
V0363	Mus NGC 4372 V011	12 25 13.24	-72 39 35.2		SXPHE
V0364	Mus NGC 4372 V003	12 25 18.98	-72 35 01.5		SXPHE
V0365	Mus NGC 4372 V020	12 25 23.78	-72 43 09.6		EW
V0366	Mus NGC 4372 V014	12 25 34.21	-72 40 27.0		SXPHE
V0367	Mus NGC 4372 V017	12 25 46.16	-72 41 50.8		SXPHE
V0368	Mus NGC 4372 V016	12 25 47.35	-72 41 08.6		E:
V0369	Mus NGC 4372 V013	12 25 49.37	-72 40 24.8		RS:
V0370	Mus NGC 4372 V012	12 25 53.86	-72 39 56.4		EW
V0371	Mus NGC 4372 V008	12 25 57.45	-72 38 46.1		SXPHE
V0372	Mus NGC 4372 V010	12 25 59.14	-72 38 54.9		EW
V0373	Mus NGC 4372 V018	12 26 09.27	-72 42 00.7		EA

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V0374	Mus NGC 4372	V007	12 26 15.58	-72 38 08.3	SXPHE
V0375	Mus NGC 4372	V022	12 26 17.86	-72 43 57.2	EW
V0376	Mus NGC 4372	V006	12 26 18.07	-72 37 43.1	SXPHE
V0377	Mus NGC 4372	V021	12 26 35.95	-72 43 50.7	LB:
V0378	Mus NGC 4372	V004	12 26 38.54	-72 35 48.4	EW
V0379	Mus NGC 4372	V015	12 26 59.16	-72 40 50.3	EB
V0380	Mus NGC 4372	V002	12 28 05.68	-72 45 19.9	SR
NGC 4833					
V0381	Mus NGC 4833	V025	12 58 55.35	-70 51 46.2	EA
V0382	Mus NGC 4833	V026	12 59 02.72	-70 52 52.3	RRC:
V0383	Mus NGC 4833	V019	12 59 06.01	-70 53 30.1	RRC
V0384	Mus NGC 4833	V020	12 59 08.20	-70 52 23.9	RRC:
V0385	Mus NGC 4833	V027	12 59 13.70	-70 52 10.3	SXPHE
V0386	Mus NGC 4833	V016	12 59 14.63	-70 49 59.3	SRB
V0387	Mus NGC 4833	V015	12 59 20.15	-70 53 25.5	RRAB
V0388	Mus NGC 4833	V028	12 59 21.22	-70 53 26.9	RRAB
V0389	Mus NGC 4833	V009	12 59 25.83	-70 52 30.2	SRB
V0390	Mus NGC 4833	V018	12 59 28.27	-70 54 25.9	RRC
V0391	Mus NGC 4833	V014	12 59 31.03	-70 53 07.2	RRC
V0392	Mus NGC 4833	V003	12 59 33.73	-70 52 13.6	RRAB
V0393	Mus NGC 4833	V004	12 59 33.77	-70 51 58.3	RRAB
V0394	Mus NGC 4833	V029	12 59 35.31	-70 52 41.2	SXPHE
V0395	Mus NGC 4833	V024	12 59 36.71	-70 52 59.1	RRAB
V0396	Mus NGC 4833	V012	12 59 38.01	-70 52 15.2	RRAB
V0397	Mus NGC 4833	V030	12 59 42.53	-70 53 04.7	SXPHE
V0398	Mus NGC 4833	V010	12 59 43.24	-70 45 26.2	SRB
V0399	Mus NGC 4833	V017	12 59 44.01	-70 54 25.3	RRC
V0400	Mus NGC 4833	V023	12 59 44.73	-70 51 27.4	RRC
V0401	Mus NGC 4833	V022	12 59 45.11	-70 53 55.9	RRAB
V0402	Mus NGC 4833	V031	12 59 48.04	-70 52 51.7	SXPHE
V0403	Mus NGC 4833	V007	12 59 48.79	-70 52 21.5	RRAB
V0404	Mus NGC 4833	V021	12 59 50.92	-70 50 36.8	RRC
V0405	Mus NGC 4833	V032	12 59 55.06	-70 52 24.5	SXPHE
V0406	Mus NGC 4833	V006	12 59 56.14	-70 50 10.5	RRAB
V0407	Mus NGC 4833	V033	12 59 57.70	-70 54 31.3	SXPHE
V0408	Mus NGC 4833	V005	13 00 01.30	-70 53 17.7	RRAB
V0409	Mus NGC 4833	V034	13 00 25.06	-70 49 16.4	EW
V0410	Mus NGC 4833	V059	13 00 27.54	-70 54 01.6	E:
V0411	Mus NGC 4833	V013	13 00 29.85	-70 52 56.0	RRC
NGC 5946					
V0561	Nor NGC 5946	V004	15 35 05.82	-50 40 29.9	LB:
V0562	Nor NGC 5946	V005	15 35 25.99	-50 38 51.3	E:
V0563	Nor NGC 5946	V006	15 35 29.36	-50 41 07.5	RRAB
V0564	Nor NGC 5946	V003	15 35 37.86	-50 40 07.8	RRAB
V0565	Nor NGC 5946	V001	15 35 48.09	-50 41 24.1	LB:
Lynga 7					
V0566	Nor Lynga 7	V001	16 11 02.04	-55 19 13.5	M
NGC 6171					
V3733	Oph NGC 6171	V023	16 32 13.96	-13 03 01.4	RRC
V3734	Oph NGC 6171	V003	16 32 16.71	-13 06 23.6	RRAB
V3735	Oph NGC 6171	V017	16 32 25.15	-13 02 07.1	RRAB
V3736	Oph NGC 6171	V004	16 32 25.28	-13 05 55.4	RRC
V3737	Oph NGC 6171	V016	16 32 27.33	-13 01 24.9	RRAB
V3738	Oph NGC 6171	V010	16 32 28.07	-13 03 10.3	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V3739	Oph NGC 6171	V013	16 32 30.10	-13 02 06.1	RRAB
V3740	Oph NGC 6171	V009	16 32 30.18	-13 03 37.9	RRC
V3741	Oph NGC 6171	V006	16 32 31.31	-13 04 25.6	RRC
V3742	Oph NGC 6171	V024	16 32 31.98	-13 03 09.7	RRAB
V3743	Oph NGC 6171	V011	16 32 32.60	-13 02 45.0	RRAB
V3744	Oph NGC 6171	V026	16 32 32.67	-13 03 00.0	SXPHE
V3745	Oph NGC 6171	V008	16 32 32.82	-13 03 59.9	RRAB
V3746	Oph NGC 6171	V014	16 32 33.13	-13 01 55.5	RRAB
V3747	Oph NGC 6171	V015	16 32 33.20	-13 01 17.6	RRC
V3748	Oph NGC 6171	V020	16 32 34.08	-13 02 26.3	RRAB
V3749	Oph NGC 6171	V007	16 32 34.92	-13 04 18.6	RRAB
V3750	Oph NGC 6171	V012	16 32 35.98	-13 02 16.6	RRAB
V3751	Oph NGC 6171	V018	16 32 37.13	-12 59 41.8	RRAB
V3752	Oph NGC 6171	V021	16 32 37.61	-13 05 42.1	RRC
V3753	Oph NGC 6171	V002	16 32 42.46	-13 09 45.7	RRAB
V3754	Oph NGC 6171	V019	16 32 47.79	-13 00 32.6	RRC
V3755	Oph NGC 6171	V005	16 32 47.90	-13 05 57.1	RRAB
NGC 6218					
V3756	Oph NGC 6218	V001	16 47 16.85	-01 57 59.5	CWA
V3757	Oph NGC 6218	V002	16 47 22.91	-01 55 36.0	EW
V3758	Oph NGC 6218	vBV2	16 47 32.59	-02 03 10.3	EW
NGC 6235					
V3759	Oph NGC 6235	V001	16 53 24.27	-22 09 59.6	RRAB
V3760	Oph NGC 6235	V005	16 53 29.44	-22 12 08.9	RRC
V3761	Oph NGC 6235	V002	16 53 29.50	-22 14 11.0	RRAB
NGC 6254					
V3762	Oph NGC 6254	V003	16 56 55.96	-04 04 16.4	CW
V3763	Oph NGC 6254	V012	16 57 04.06	-04 06 07.3	SXPHE
V3764	Oph NGC 6254	V008	16 57 08.29	-04 05 10.1	SXPHE
V3765	Oph NGC 6254	V010	16 57 08.44	-04 06 55.0	SXPHE:
V3766	Oph NGC 6254	V005	16 57 08.59	-04 06 16.3	SXPHE
V3767	Oph NGC 6254	V013	16 57 08.81	-04 06 24.5	SXPHE
V3768	Oph NGC 6254	V014	16 57 09.20	-04 06 05.3	SXPHE
V3769	Oph NGC 6254	V001	16 57 10.12	-04 05 36.1	SR
V3770	Oph NGC 6254	V007	16 57 10.38	-04 07 03.3	SXPHE
V3771	Oph NGC 6254	V009	16 57 10.65	-04 05 50.7	SXPHE
V3772	Oph NGC 6254	V006	16 57 10.71	-04 05 33.3	SXPHE
V3773	Oph NGC 6254	V011	16 57 10.80	-04 05 55.7	SXPHE
V3774	Oph NGC 6254	V002	16 57 11.75	-04 03 59.7	CWA
V3775	Oph NGC 6254	V015	16 57 13.29	-04 05 49.0	SXPHE
NGC 6266					
V3776	Oph NGC 6266	V011	17 00 37.67	-30 04 46.8	RRAB
V3777	Oph NGC 6266	V010	17 00 37.95	-30 04 15.6	RRAB
V3778	Oph NGC 6266	V112	17 00 46.03	-30 11 12.6	RRAB
V3779	Oph NGC 6266	V066	17 00 48.53	-30 06 35.1	RRC
V3780	Oph NGC 6266	V135	17 00 51.05	-30 07 26.7	RRAB
V3781	Oph NGC 6266	V122	17 00 53.43	-30 08 21.1	RRC
V3782	Oph NGC 6266	V123	17 00 53.46	-30 08 18.0	RRC
V3783	Oph NGC 6266	V012	17 00 56.92	-30 02 23.0	RRAB
V3784	Oph NGC 6266	V073	17 00 57.33	-30 08 37.2	CWB
V1712	Sc0 NGC 6266	V026	17 00 58.91	-30 11 53.3	RRAB
V3785	Oph NGC 6266	V072	17 00 58.94	-30 08 36.1	RRAB
V3786	Oph NGC 6266	V117	17 00 59.34	-30 10 11.0	RRC
V3787	Oph NGC 6266	V222	17 01 00.22	-30 04 48.1	RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V1713	Sco NGC 6266 V054	17 01 00.89	-30 19 21.3		RRC
V3788	Oph NGC 6266 V042	17 01 02.86	-30 06 01.4		RRC
V3789	Oph NGC 6266 V111	17 01 03.37	-30 11 17.5		RRC
V3790	Oph NGC 6266 V040	17 01 03.44	-30 06 05.9		RRC
V3791	Oph NGC 6266 V039	17 01 03.53	-30 05 52.6		RRAB
V3792	Oph NGC 6266 V221	17 01 03.70	-30 05 24.1		RRC
V3793	Oph NGC 6266 V041	17 01 03.73	-30 06 10.7		RRAB
V3794	Oph NGC 6266 V153	17 01 03.84	-30 07 05.1		RRC
V3795	Oph NGC 6266 V035	17 01 04.17	-30 06 27.7		RRAB
V3796	Oph NGC 6266 V081	17 01 04.34	-30 05 13.3		RRAB
V3797	Oph NGC 6266 V053	17 01 04.40	-30 08 32.6		RRC
V3798	Oph NGC 6266 V168	17 01 04.85	-30 06 54.1		RRAB
V3799	Oph NGC 6266 V084	17 01 05.11	-30 08 02.7		RRAB
V3800	Oph NGC 6266 V058	17 01 05.33	-30 06 18.9		RRAB
V3801	Oph NGC 6266 V014	17 01 05.54	-30 02 25.7		RRAB
V3802	Oph NGC 6266 V009	17 01 05.60	-30 03 17.3		RRAB
V3803	Oph NGC 6266 V008	17 01 05.60	-30 04 08.5		RRB
V3804	Oph NGC 6266 V004	17 01 05.70	-30 07 30.4		RRAB
V3805	Oph NGC 6266 V257	17 01 05.76	-30 08 05.0		SRB
V3806	Oph NGC 6266 V003	17 01 06.11	-30 06 57.5		RRAB
V3807	Oph NGC 6266 V065	17 01 06.14	-30 04 33.4		RRC
V3808	Oph NGC 6266 V080	17 01 06.28	-30 05 19.9		RRAB
V3809	Oph NGC 6266 V085	17 01 06.31	-30 08 18.2		RRC
V1714	Sco NGC 6266 V071	17 01 06.33	-30 14 50.8		RRAB
V3810	Oph NGC 6266 V048	17 01 06.39	-30 09 01.8		RRAB
V3811	Oph NGC 6266 V006	17 01 06.62	-30 06 16.4		RRAB
V3812	Oph NGC 6266 V255	17 01 06.71	-30 06 49.0		LB:
V3813	Oph NGC 6266 V254	17 01 06.75	-30 07 32.8		SRB
V3814	Oph NGC 6266 V256	17 01 06.76	-30 06 04.2		LB:
V3815	Oph NGC 6266 V016	17 01 07.10	-30 05 16.4		RRAB
V3816	Oph NGC 6266 V253	17 01 07.15	-30 06 05.7		LB:
V3817	Oph NGC 6266 V023	17 01 07.30	-30 07 27.9		RRAB
V3818	Oph NGC 6266 V252	17 01 07.46	-30 07 05.8		LB:
V3819	Oph NGC 6266 V086	17 01 07.79	-30 05 39.3		RRC
V3820	Oph NGC 6266 V217	17 01 08.02	-30 06 04.8		RRC
V3821	Oph NGC 6266 V034	17 01 08.25	-30 06 56.0		RRAB
V3822	Oph NGC 6266 V043	17 01 08.31	-30 10 14.3		RRAB
V3823	Oph NGC 6266 V204	17 01 08.34	-30 06 25.4		RRC
V3824	Oph NGC 6266 V030	17 01 08.34	-30 09 52.3		RRC
V3825	Oph NGC 6266 V087	17 01 08.41	-30 05 12.8		RRAB
V3826	Oph NGC 6266 V226	17 01 08.58	-30 04 14.2		RRAB
V3827	Oph NGC 6266 V088	17 01 08.59	-30 05 23.6		RRAB
V3828	Oph NGC 6266 V037	17 01 08.80	-30 06 43.6		RRAB
V3829	Oph NGC 6266 V124	17 01 09.00	-30 07 37.0		RRAB
V3830	Oph NGC 6266 V089	17 01 09.11	-30 07 46.3		RRAB
V3831	Oph NGC 6266 V196	17 01 09.12	-30 06 40.3		RRC
V3832	Oph NGC 6266 V127	17 01 09.31	-30 07 33.9		RRAB
V3833	Oph NGC 6266 V044	17 01 09.39	-30 08 53.0		RRAB
V3834	Oph NGC 6266 V159	17 01 09.42	-30 07 01.4		RRC
V3835	Oph NGC 6266 V031	17 01 09.47	-30 09 13.2		RRAB
V3836	Oph NGC 6266 V198	17 01 09.54	-30 06 36.7		RRAB
V3837	Oph NGC 6266 V150	17 01 09.57	-30 07 07.7		RRAB
V3838	Oph NGC 6266 V251	17 01 09.64	-30 06 51.8		LB:
V3839	Oph NGC 6266 V036	17 01 09.65	-30 04 44.6		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V3840	Oph NGC 6266 V154	17 01 09.70	-30 07 04.3		RRC
V3841	Oph NGC 6266 V090	17 01 09.70	-30 08 14.7		RRC
V3842	Oph NGC 6266 V219	17 01 09.76	-30 06 01.2		RRAB
V3843	Oph NGC 6266 V082	17 01 09.93	-30 07 58.3		RRAB
V3844	Oph NGC 6266 V169	17 01 09.96	-30 06 52.5		RRAB
V3845	Oph NGC 6266 V177	17 01 09.98	-30 06 48.4		RRAB
V3846	Oph NGC 6266 V250	17 01 09.99	-30 07 06.7		SR:
V3847	Oph NGC 6266 V125	17 01 10.05	-30 07 36.5		RRC
V3848	Oph NGC 6266 V160	17 01 10.12	-30 07 01.1		RRAB
V3849	Oph NGC 6266 V249	17 01 10.21	-30 06 38.1		RRC
V3850	Oph NGC 6266 V018	17 01 10.29	-30 05 18.0		RRAB
V3851	Oph NGC 6266 V091	17 01 10.41	-30 07 52.3		RRC
V3852	Oph NGC 6266 V248	17 01 10.49	-30 06 47.5		LB:
V3853	Oph NGC 6266 V200	17 01 10.53	-30 06 33.0		RRAB
V3854	Oph NGC 6266 V092	17 01 10.58	-30 08 05.5		RRAB
V3855	Oph NGC 6266 V247	17 01 10.73	-30 07 09.6		RRAB
V3856	Oph NGC 6266 V151	17 01 10.74	-30 07 05.8		RRC
V3857	Oph NGC 6266 V181	17 01 10.79	-30 06 45.5		RRAB
V3858	Oph NGC 6266 V246	17 01 10.95	-30 06 17.3		RRAB
V3859	Oph NGC 6266 V002	17 01 10.97	-30 07 59.4		CWA
V3860	Oph NGC 6266 V047	17 01 11.00	-30 02 48.3		RRAB
V3861	Oph NGC 6266 V205	17 01 11.02	-30 06 24.8		RRAB
V3862	Oph NGC 6266 V017	17 01 11.10	-30 05 07.2		RRAB
V3863	Oph NGC 6266 V180	17 01 11.18	-30 06 47.9		CWB
V3864	Oph NGC 6266 V146	17 01 11.19	-30 07 11.9		RRAB
V3865	Oph NGC 6266 V038	17 01 11.26	-30 07 34.8		RRAB
V3866	Oph NGC 6266 V245	17 01 11.30	-30 04 58.3		SRB:
V3867	Oph NGC 6266 V074	17 01 11.35	-30 07 43.6		RRAB
V3868	Oph NGC 6266 V144	17 01 11.36	-30 07 14.8		RRAB
V3869	Oph NGC 6266 V195	17 01 11.54	-30 06 40.5		RRC:
V3870	Oph NGC 6266 V244	17 01 11.56	-30 07 04.6		LB
V3871	Oph NGC 6266 V216	17 01 11.57	-30 06 06.5		RRC
V3872	Oph NGC 6266 V093	17 01 11.62	-30 05 46.3		RRAB
V3873	Oph NGC 6266 V208	17 01 11.68	-30 06 20.5		RRAB
V3874	Oph NGC 6266 V121	17 01 11.71	-30 09 32.4		RRC
V3875	Oph NGC 6266 V019	17 01 11.74	-30 05 44.4		RRAB
V3876	Oph NGC 6266 V187	17 01 11.74	-30 06 44.4		RRAB
V3877	Oph NGC 6266 V130	17 01 11.86	-30 07 28.6		RRC
V3878	Oph NGC 6266 V143	17 01 11.87	-30 07 15.2		RRC
V3879	Oph NGC 6266 V207	17 01 11.96	-30 06 21.0		RRC
V3880	Oph NGC 6266 V033	17 01 11.97	-30 08 48.3		RRAB
V3881	Oph NGC 6266 V132	17 01 12.00	-30 07 26.1		RRC
V3882	Oph NGC 6266 V206	17 01 12.05	-30 06 22.2		RRAB
V3883	Oph NGC 6266 V182	17 01 12.08	-30 06 45.0		RRAB:
V3884	Oph NGC 6266 V158	17 01 12.09	-30 07 01.8		RRC
V3885	Oph NGC 6266 V137	17 01 12.12	-30 07 22.1		RRAB
V3886	Oph NGC 6266 V149	17 01 12.19	-30 07 08.7		RRC
V3887	Oph NGC 6266 V156	17 01 12.19	-30 07 03.0		RRAB
V3888	Oph NGC 6266 V147	17 01 12.20	-30 07 11.2		RRC
V3889	Oph NGC 6266 V243	17 01 12.21	-30 06 43.6		RRAB
V3890	Oph NGC 6266 V203	17 01 12.21	-30 06 25.6		RRAB
V3891	Oph NGC 6266 V179	17 01 12.32	-30 06 48.0		RRAB
V3892	Oph NGC 6266 V174	17 01 12.39	-30 06 51.0		RRC
V3893	Oph NGC 6266 V242	17 01 12.40	-30 06 24.5		SR:

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V3894	Oph NGC 6266 V027	17 01 12.44	-30 07 49.7		RRAB
V3895	Oph NGC 6266 V184	17 01 12.46	-30 06 45.3		RRAB
V3896	Oph NGC 6266 V013	17 01 12.53	-30 06 16.8		RRC
V3897	Oph NGC 6266 V165	17 01 12.56	-30 06 53.4		RRAB
V3898	Oph NGC 6266 V190	17 01 12.62	-30 06 41.5		RRAB
V3899	Oph NGC 6266 V141	17 01 12.65	-30 07 20.0		RRC
V3900	Oph NGC 6266 V188	17 01 12.69	-30 06 43.8		RRAB
V3901	Oph NGC 6266 V213	17 01 12.70	-30 06 11.8		RRAB
V3902	Oph NGC 6266 V138	17 01 12.73	-30 07 21.8		RRAB
V3903	Oph NGC 6266 V241	17 01 12.74	-30 06 56.3		RRAB:
V3904	Oph NGC 6266 V220	17 01 12.75	-30 05 59.4		RRAB
V3905	Oph NGC 6266 V240	17 01 12.79	-30 07 01.5		LB:
V3906	Oph NGC 6266 V237	17 01 12.80	-30 07 45.7		LB
V3907	Oph NGC 6266 V239	17 01 12.81	-30 06 45.4		SR:
V3908	Oph NGC 6266 V164	17 01 12.89	-30 06 55.3		CWB
V3909	Oph NGC 6266 V133	17 01 12.90	-30 07 25.8		RRC
V3910	Oph NGC 6266 V032	17 01 12.96	-30 09 05.4		RRAB
V3911	Oph NGC 6266 V139	17 01 12.97	-30 07 21.8		RRAB
V3912	Oph NGC 6266 V238	17 01 13.01	-30 06 19.7		LB:
V3913	Oph NGC 6266 V162	17 01 13.02	-30 06 58.7		RRAB
V3914	Oph NGC 6266 V155	17 01 13.09	-30 07 03.5		RRC
V3915	Oph NGC 6266 V178	17 01 13.10	-30 06 49.0		RRC
V3916	Oph NGC 6266 V197	17 01 13.11	-30 06 39.4		RRC
V3917	Oph NGC 6266 V166	17 01 13.14	-30 06 54.4		RRC
V3918	Oph NGC 6266 V134	17 01 13.16	-30 07 25.5		RRC
V3919	Oph NGC 6266 V215	17 01 13.22	-30 06 06.3		RRAB
V3920	Oph NGC 6266 V176	17 01 13.29	-30 06 49.7		RRC
V3921	Oph NGC 6266 V173	17 01 13.30	-30 06 51.8		RRC
V3922	Oph NGC 6266 V191	17 01 13.30	-30 06 41.0		RRAB
V3923	Oph NGC 6266 V183	17 01 13.39	-30 06 44.7		RRAB
V3924	Oph NGC 6266 V236	17 01 13.62	-30 06 31.6		SR:
V3925	Oph NGC 6266 V094	17 01 13.64	-30 05 21.8		RRC
V3926	Oph NGC 6266 V163	17 01 13.65	-30 06 58.0		RRAB
V3927	Oph NGC 6266 V235	17 01 13.65	-30 06 35.8		LB:
V3928	Oph NGC 6266 V148	17 01 13.67	-30 07 10.4		RRAB
V3929	Oph NGC 6266 V218	17 01 13.68	-30 06 01.5		RRAB
V3930	Oph NGC 6266 V202	17 01 13.74	-30 06 25.8		RRC
V3931	Oph NGC 6266 V209	17 01 13.78	-30 06 18.6		RRC
V3932	Oph NGC 6266 V186	17 01 13.81	-30 06 44.2		RRC
V3933	Oph NGC 6266 V157	17 01 13.86	-30 07 02.4		RRAB
V3934	Oph NGC 6266 V172	17 01 13.94	-30 06 51.6		RRC
V3935	Oph NGC 6266 V234	17 01 14.04	-30 06 42.9		LB:
V3936	Oph NGC 6266 V083	17 01 14.21	-30 07 09.3		RRAB
V3937	Oph NGC 6266 V210	17 01 14.33	-30 06 18.0		RRAB
V3938	Oph NGC 6266 V161	17 01 14.5	-30 06 58		RRAB
V3939	Oph NGC 6266 V007	17 01 14.50	-30 04 00.3		RRAB
V3940	Oph NGC 6266 V145	17 01 14.54	-30 07 12.3		RRAB
V3941	Oph NGC 6266 V126	17 01 14.57	-30 07 34.1		RRAB
V3942	Oph NGC 6266 V095	17 01 14.72	-30 08 28.7		RRAB
V3943	Oph NGC 6266 V129	17 01 14.74	-30 07 32.6		RRC
V3944	Oph NGC 6266 V119	17 01 14.80	-30 09 43.6		RRC
V3945	Oph NGC 6266 V136	17 01 15.20	-30 07 23.0		RRAB
V3946	Oph NGC 6266 V140	17 01 15.22	-30 07 21.0		RRC
V3947	Oph NGC 6266 V185	17 01 15.29	-30 06 44.4		RRAB

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V3948	Oph NGC 6266 V212	17 01 15.37	-30 06 15.8		RRAB
V3949	Oph NGC 6266 V167	17 01 15.42	-30 06 53.8		RRAB
V3950	Oph NGC 6266 V193	17 01 15.44	-30 06 40.7		RRC
V3951	Oph NGC 6266 V201	17 01 15.53	-30 06 25.7		RRC
V3952	Oph NGC 6266 V199	17 01 15.59	-30 06 34.4		RRAB
V3953	Oph NGC 6266 V096	17 01 15.63	-30 08 22.0		RRAB
V3954	Oph NGC 6266 V056	17 01 15.69	-30 04 50.2		RRAB
V3955	Oph NGC 6266 V189	17 01 15.74	-30 06 42.8		RRAB
V3956	Oph NGC 6266 V194	17 01 16.06	-30 06 40.4		RRAB
V3957	Oph NGC 6266 V001	17 01 16.14	-30 06 42.5		RRAB
V3958	Oph NGC 6266 V214	17 01 16.37	-30 06 06.6		RRAB
V3959	Oph NGC 6266 V233	17 01 16.38	-30 06 24.6		SR:
V3960	Oph NGC 6266 V171	17 01 16.46	-30 06 51.5		RRAB:
V3961	Oph NGC 6266 V211	17 01 16.65	-30 06 17.8		RRC
V3962	Oph NGC 6266 V057	17 01 16.78	-30 04 47.9		RRAB
V3963	Oph NGC 6266 V232	17 01 16.93	-30 08 06.1		SRB
V3964	Oph NGC 6266 V098	17 01 17.00	-30 08 45.7		RRAB
V3965	Oph NGC 6266 V152	17 01 17.02	-30 07 04.9		RRC
V3966	Oph NGC 6266 V175	17 01 17.04	-30 06 50.7		RRC
V3967	Oph NGC 6266 V113	17 01 17.39	-30 11 08.1		RRAB
V3968	Oph NGC 6266 V225	17 01 17.40	-30 04 40.5		RRC
V3969	Oph NGC 6266 V097	17 01 17.49	-30 05 41.6		RRAB
V3970	Oph NGC 6266 V024	17 01 17.52	-30 07 27.5		RRAB
V3971	Oph NGC 6266 V223	17 01 17.56	-30 04 46.0		RRAB
V3972	Oph NGC 6266 V099	17 01 17.62	-30 08 35.8		RRAB
V3973	Oph NGC 6266 V022	17 01 17.67	-30 06 36.9		RRAB
V3974	Oph NGC 6266 V045	17 01 17.69	-30 09 56.3		RRAB
V3975	Oph NGC 6266 V142	17 01 17.89	-30 07 17.4		RRC
V3976	Oph NGC 6266 V131	17 01 18.63	-30 07 26.9		RRC
V3977	Oph NGC 6266 V128	17 01 18.81	-30 07 32.8		RRC
V3978	Oph NGC 6266 V052	17 01 18.83	-30 09 50.6		RRAB
V3979	Oph NGC 6266 V101	17 01 19.33	-30 08 44.0		RRC
V3980	Oph NGC 6266 V103	17 01 19.53	-30 08 56.1		RRAB
V3981	Oph NGC 6266 V100	17 01 19.79	-30 05 58.6		RRC
V3982	Oph NGC 6266 V230	17 01 19.84	-30 05 41.6		LB:
V3983	Oph NGC 6266 V102	17 01 20.11	-30 05 36.6		RRAB
V3984	Oph NGC 6266 V228	17 01 20.20	-30 04 00.2		RRAB
V3985	Oph NGC 6266 V104	17 01 20.47	-30 06 37.9		RRAB
V3986	Oph NGC 6266 V105	17 01 20.84	-30 06 00.0		RRAB
V3987	Oph NGC 6266 V229	17 01 20.99	-30 03 53.0		RRC
V3988	Oph NGC 6266 V021	17 01 21.06	-30 05 28.4		RRAB
V3989	Oph NGC 6266 V063	17 01 21.15	-30 08 30.5		RRAB
V3990	Oph NGC 6266 V106	17 01 22.10	-30 06 03.4		RRAB
V3991	Oph NGC 6266 V015	17 01 22.11	-30 01 44.9		RRAB
V3992	Oph NGC 6266 V107	17 01 22.16	-30 07 10.7		RRAB
V3993	Oph NGC 6266 V059	17 01 22.28	-30 05 14.1		RRAB
V3994	Oph NGC 6266 V108	17 01 22.29	-30 06 38.6		RRC
V3995	Oph NGC 6266 V069	17 01 22.29	-30 04 58.5		RRC
V3996	Oph NGC 6266 V046	17 01 22.88	-29 58 52.3		RRAB
V3997	Oph NGC 6266 V020	17 01 22.94	-30 04 08.6		RRAB
V3998	Oph NGC 6266 V109	17 01 23.43	-30 07 22.4		RRAB
V3999	Oph NGC 6266 V049	17 01 23.72	-30 08 32.4		RRAB
V4000	Oph NGC 6266 V115	17 01 23.82	-30 10 30.0		RRC
V4001	Oph NGC 6266 V068	17 01 24.11	-29 59 52.5		RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4002	Oph NGC 6266	V192	17 01 24.65	-30 06 40.0	RRC
V4003	Oph NGC 6266	V110	17 01 24.70	-30 06 54.2	RRC
V4004	Oph NGC 6266	V025	17 01 24.74	-30 08 00.4	RRAB
V4005	Oph NGC 6266	V028	17 01 24.76	-30 06 28.7	RRAB
V4006	Oph NGC 6266	V118	17 01 24.96	-30 10 01.4	RRC
V4007	Oph NGC 6266	V116	17 01 25.48	-30 10 26.2	RRAB
V4008	Oph NGC 6266	V076	17 01 26.41	-29 56 21.0	RRAB
V1715	Sco NGC 6266	V064	17 01 26.59	-30 11 39.8	RRAB
V4009	Oph NGC 6266	V061	17 01 29.35	-30 03 36.6	RRC
V4010	Oph NGC 6266	V062	17 01 31.21	-30 05 01.8	RRAB
V4011	Oph NGC 6266	V077	17 01 34.10	-30 06 12.7	RRC
V4012	Oph NGC 6266	V050	17 01 34.64	-30 07 20.2	RRAB
V4013	Oph NGC 6266	V224	17 01 34.81	-30 04 41.1	RRC
V4014	Oph NGC 6266	V051	17 01 35.42	-30 03 32.5	RRC
V4015	Oph NGC 6266	V060	17 01 36.59	-30 00 13.0	RRC
V4016	Oph NGC 6266	V078	17 01 38.89	-30 03 52.8	RRAB
V4017	Oph NGC 6266	V120	17 01 38.98	-30 09 32.1	RRAB
V4018	Oph NGC 6266	V114	17 01 42.29	-30 10 35.3	EB
V4019	Oph NGC 6266	V075	17 01 43.36	-30 02 49.3	RRC
V4020	Oph NGC 6266	V067	17 01 43.43	-29 56 27.0	RRAB
V4021	Oph NGC 6266	V055	17 01 45.30	-30 02 08.4	RRAB
V4022	Oph NGC 6266	V227	17 01 47.88	-30 04 04.4	RRAB
V4023	Oph NGC 6266	V079	17 02 06.35	-30 08 03.0	RRC
NGC 6273					
V4024	Oph NGC 6273	V005	17 02 32.25	-26 18 56.2	RRAB
V4025	Oph NGC 6273	V003	17 02 35.83	-26 16 06.5	CWA
V4026	Oph NGC 6273	V004	17 02 37.57	-26 16 31.6	CWB
V4027	Oph NGC 6273	V001	17 02 38.14	-26 15 11.8	CWA
V4028	Oph NGC 6273	V006	17 03 03.46	-26 08 54.2	RRAB
NGC 6284					
V4029	Oph NGC 6284	V002	17 04 25.30	-24 46 17.5	RRAB
V4030	Oph NGC 6284	V003	17 04 26.58	-24 46 11.1	SR
V4031	Oph NGC 6284	V001	17 04 26.94	-24 45 21.8	CWB
V4032	Oph NGC 6284	V004	17 04 30.34	-24 46 14.1	CWB
V4033	Oph NGC 6284	V008	17 04 31.34	-24 45 17.8	RRAB
V4034	Oph NGC 6284	V007	17 04 32.92	-24 45 28.2	RRAB
V4035	Oph NGC 6284	V009	17 04 33.98	-24 47 01.2	RRAB
V4036	Oph NGC 6284	V006	17 04 38.39	-24 42 11.3	RRAB
NGC 6287					
V4037	Oph NGC 6287	V001	17 04 58.02	-22 43 11.0	RR:
V4038	Oph NGC 6287	V005	17 05 04.80	-22 42 30.9	RR:
V4039	Oph NGC 6287	V007	17 05 08.85	-22 42 26.3	RR:
V4040	Oph NGC 6287	V004	17 05 09.47	-22 42 12.9	RR:
NGC 6293					
V4041	Oph NGC 6293	V008	17 10 07.60	-26 33 17.8	SRB
V4042	Oph NGC 6293	V006	17 10 10.71	-26 35 22.6	RRC
V4043	Oph NGC 6293	V003	17 10 13.20	-26 34 41.0	RRC
V4044	Oph NGC 6293	V001	17 10 16.21	-26 34 04.5	RRAB
V4045	Oph NGC 6293	V004	17 10 16.98	-26 36 17.7	RRAB
NGC 6304					
V4046	Oph NGC 6304	V004	17 14 11.59	-29 30 32.1	RRAB
V4047	Oph NGC 6304	V023	17 14 27.32	-29 27 40.2	RRC
V4048	Oph NGC 6304	V022	17 14 37.66	-29 27 31.1	RRC
V4049	Oph NGC 6304	V024	17 14 48.88	-29 32 00.7	RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
NGC 6316					
V4050	Oph NGC 6316	V011	17 16 10.84	-28 08 30.0	LB:
V4051	Oph NGC 6316	V017	17 16 25.63	-28 09 04.3	RRAB
V4052	Oph NGC 6316	V006	17 16 33.08	-28 07 59.8	SRB
V4053	Oph NGC 6316	V010	17 16 34.13	-28 06 30.0	M:
V4054	Oph NGC 6316	V004	17 16 35.62	-28 07 39.8	SRB:
V4055	Oph NGC 6316	V003	17 16 36.66	-28 09 06.2	SRB:
V4056	Oph NGC 6316	V005	17 16 37.71	-28 08 03.9	LB:
V4057	Oph NGC 6316	V009	17 16 38.53	-28 08 35.6	LB:
V4058	Oph NGC 6316	V013	17 16 39.58	-28 10 44.1	M:
V4059	Oph NGC 6316	V002	17 16 39.58	-28 08 22.5	LB:
V4060	Oph NGC 6316	V001	17 16 42.56	-28 09 41.6	SRB
V4061	Oph NGC 6316	V008	17 16 48.81	-28 04 56.1	LB:
V4062	Oph NGC 6316	V012	17 16 50.34	-28 03 19.4	LB:
V4063	Oph NGC 6316	V007	17 16 53.43	-28 13 27.3	LB:
V4064	Oph NGC 6316	SV04	17 17 00.31	-28 05 11.9	SRB
V4065	Oph NGC 6316	V016	17 17 05.06	-28 09 03.0	RRC
NGC 6325					
V4066	Oph NGC 6325	V002	17 17 57.81	-23 46 36.4	CWA
V4067	Oph NGC 6325	V001	17 18 02.49	-23 45 44.8	CWA
NGC 6333					
V4068	Oph NGC 6333	V034	17 18 45.60	-18 28 52.0	SR
V4069	Oph NGC 6333	V033	17 18 46.94	-18 25 29.2	RRAB
V4070	Oph NGC 6333	V029	17 19 02.67	-18 32 53.6	SRB
V4071	Oph NGC 6333	V008	17 19 06.84	-18 32 42.8	SR
V4072	Oph NGC 6333	V006	17 19 07.02	-18 31 20.6	RRAB
V4073	Oph NGC 6333	V021	17 19 09.84	-18 32 34.5	EB
V4074	Oph NGC 6333	V017	17 19 10.47	-18 31 20.5	RRC
V4075	Oph NGC 6333	V015	17 19 10.51	-18 29 59.1	RRAB
V4076	Oph NGC 6333	V018	17 19 10.60	-18 30 41.9	RRC
V4077	Oph NGC 6333	V020	17 19 11.07	-18 31 02.9	RRC
V4078	Oph NGC 6333	V028	17 19 11.67	-18 31 04.5	LB:
V4079	Oph NGC 6333	V011	17 19 11.71	-18 31 14.9	RRAB
V4080	Oph NGC 6333	V030	17 19 11.82	-18 31 27.9	LB:
V4081	Oph NGC 6333	V031	17 19 12.64	-18 31 01.7	LB:
V4082	Oph NGC 6333	V019	17 19 12.75	-18 30 38.3	RR(B) :
V4083	Oph NGC 6333	V024	17 19 13.03	-18 27 39.6	EW
V4084	Oph NGC 6333	V016	17 19 13.50	-18 30 43.1	RRC
V4085	Oph NGC 6333	V004	17 19 13.61	-18 31 39.7	RRAB
V4086	Oph NGC 6333	V014	17 19 14.13	-18 31 20.4	RRC
V4087	Oph NGC 6333	V005	17 19 14.35	-18 31 12.5	RRC
V4088	Oph NGC 6333	V010	17 19 14.52	-18 30 39.8	RRC
V4089	Oph NGC 6333	V002	17 19 14.75	-18 31 36.3	RRAB
V4090	Oph NGC 6333	V001	17 19 18.31	-18 32 21.6	RRAB
V4091	Oph NGC 6333	V023	17 19 21.14	-18 30 10.3	RRC
V4092	Oph NGC 6333	V025	17 19 25.93	-18 27 44.0	EA
V4093	Oph NGC 6333	V009	17 19 35.40	-18 34 17.2	RRC
V4094	Oph NGC 6333	V032	17 19 37.10	-18 35 40.3	EW
NGC 6356					
V4095	Oph NGC 6356	V008	17 23 32.06	-17 47 59.3	LB
V4096	Oph NGC 6356	V010	17 23 32.08	-17 49 15.3	LB
V4097	Oph NGC 6356	V009	17 23 32.46	-17 48 12.8	LB
V4098	Oph NGC 6356	V003	17 23 33.30	-17 48 07.5	M
V4099	Oph NGC 6356	V001	17 23 33.71	-17 49 14.8	M:

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4100	Oph NGC 6356	V007	17 23 34.51	-17 49 13.0	LB
V4101	Oph NGC 6356	V002	17 23 42.12	-17 50 41.3	SRB
V4102	Oph NGC 6356	V004	17 23 48.00	-17 48 04.5	M
NGC 6355					
V4103	Oph NGC 6355	V001	17 23 54.05	-26 22 04.1	RRAB
V4104	Oph NGC 6355	V002	17 23 56.14	-26 20 45.8	RRC
V4105	Oph NGC 6355	V003	17 23 57.39	-26 20 53.2	RRAB
V4106	Oph NGC 6355	V004	17 24 02.75	-26 21 01.3	RRAB
V4107	Oph NGC 6355	V005	17 24 06.10	-26 21 20.9	RRAB
NGC 6366					
V4108	Oph NGC 6366	V005	17 27 25.04	-05 01 05.4	LB:
V4109	Oph NGC 6366	V008	17 27 39.31	-05 03 00.9	EA:
V4110	Oph NGC 6366	V001	17 27 42.69	-05 05 25.3	RRAB
V4111	Oph NGC 6366	V004	17 27 45.34	-05 05 41.6	LB:
V4112	Oph NGC 6366	V007	17 27 48.81	-05 08 18.3	LB:
V4113	Oph NGC 6366	V006	17 27 56.65	-05 08 32.9	SXPHE
V4114	Oph NGC 6366	V003	17 28 00.14	-05 06 50.0	EA
V4115	Oph NGC 6366	V002	17 28 04.71	-05 11 15.0	SRB
HP 1					
V4116	Oph HP 1	V017	17 31 05.74	-29 59 25.9	CWA
V4117	Oph HP 1	V016	17 31 08.73	-30 00 21.7	CWA
NGC 6402					
V4118	Oph NGC 6402	V028	17 37 05.03	-03 08 37.4	EA
V4119	Oph NGC 6402	V027	17 37 08.10	-03 12 17.5	SRB
V4120	Oph NGC 6402	V062	17 37 20.92	-03 17 20.6	RRAB
V4121	Oph NGC 6402	V017	17 37 21.08	-03 12 45.0	CWA
V4122	Oph NGC 6402	V095	17 37 24.42	-03 17 29.3	RRC
V4123	Oph NGC 6402	V096	17 37 24.92	-03 14 47.5	RRC
V4124	Oph NGC 6402	V097	17 37 25.27	-03 18 37.0	EW
V4125	Oph NGC 6402	V098	17 37 25.99	-03 12 49.3	RRC
V4126	Oph NGC 6402	V168	17 37 26.13	-03 09 45.5	EA:
V4127	Oph NGC 6402	V020	17 37 26.57	-03 13 08.6	RRC
V4128	Oph NGC 6402	V099	17 37 26.77	-03 14 47.5	SRB:
V4129	Oph NGC 6402	V033	17 37 27.02	-03 14 32.1	RRAB
V4130	Oph NGC 6402	V078	17 37 27.17	-03 14 49.5	RRC
V4131	Oph NGC 6402	V005	17 37 27.20	-03 13 17.7	RRAB
V4132	Oph NGC 6402	V015	17 37 27.30	-03 12 19.2	RRAB
V4133	Oph NGC 6402	V019	17 37 27.78	-03 14 44.3	RRAB
V4134	Oph NGC 6402	V058	17 37 28.11	-03 15 19.2	RRC
V4135	Oph NGC 6402	V002	17 37 28.61	-03 16 45.1	CWB
V4136	Oph NGC 6402	V071	17 37 28.62	-03 15 35.7	RRAB
V4137	Oph NGC 6402	V077	17 37 28.99	-03 13 47.5	RRAB
V4138	Oph NGC 6402	V076	17 37 29.25	-03 14 44.9	CWB
V4139	Oph NGC 6402	V049	17 37 29.86	-03 15 04.4	RRAB
V4140	Oph NGC 6402	V091	17 37 29.92	-03 15 21.1	RRC
V4141	Oph NGC 6402	V045	17 37 30.18	-03 13 12.6	SRB
V4142	Oph NGC 6402	V047	17 37 30.28	-03 14 18.6	RRAB
V4143	Oph NGC 6402	V016	17 37 31.02	-03 15 21.7	RRAB
V4144	Oph NGC 6402	V088	17 37 31.04	-03 14 33.0	RRC
V4145	Oph NGC 6402	V034	17 37 31.56	-03 14 19.2	RRAB
V4146	Oph NGC 6402	V102	17 37 31.59	-03 16 00.9	LB:
V4147	Oph NGC 6402	V029	17 37 31.83	-03 17 16.1	SRB:
V4148	Oph NGC 6402	V056	17 37 31.86	-03 17 48.7	RRC
V4149	Oph NGC 6402	V103	17 37 32.87	-03 14 56.3	RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4150	Oph NGC 6402 V010	17 37 33.01	-03 18 09.5		RRAB
V4151	Oph NGC 6402 V105	17 37 33.13	-03 14 03.7		RRC
V4152	Oph NGC 6402 V106	17 37 33.47	-03 14 46.7		RRAB
V4153	Oph NGC 6402 V167	17 37 33.48	-03 15 27.8		CWB
V4154	Oph NGC 6402 V031	17 37 33.63	-03 14 14.1		RRAB
V4155	Oph NGC 6402 V110	17 37 33.68	-03 14 10.1		RRC
V4156	Oph NGC 6402 V090	17 37 33.70	-03 15 16.3		RRC
V4157	Oph NGC 6402 V107	17 37 33.75	-03 14 48.4		RRC
V4158	Oph NGC 6402 V092	17 37 33.82	-03 14 41.1		RRAB
V4159	Oph NGC 6402 V172	17 37 33.95	-03 15 11.7		RRAB
V4160	Oph NGC 6402 V080	17 37 33.97	-03 17 14.5		RRC
V4161	Oph NGC 6402 V114	17 37 34.09	-03 14 52.8		RRC
V4162	Oph NGC 6402 V059	17 37 34.15	-03 14 16.1		RRAB
V4163	Oph NGC 6402 V116	17 37 34.23	-03 15 37.6		RRC
V4164	Oph NGC 6402 V117	17 37 34.29	-03 14 36.3		RRC
V4165	Oph NGC 6402 V013	17 37 34.42	-03 16 43.8		RRAB
V4166	Oph NGC 6402 V118	17 37 34.45	-03 16 12.9		RRC
V4167	Oph NGC 6402 V025	17 37 34.56	-03 19 57.7		RRC
V4168	Oph NGC 6402 V119	17 37 34.63	-03 14 52.3		RRC
V4169	Oph NGC 6402 V120	17 37 34.79	-03 13 30.8		RRC
V4170	Oph NGC 6402 V041	17 37 35.09	-03 14 47.3		RRC
V4171	Oph NGC 6402 V121	17 37 35.22	-03 15 19.7		RRC
V4172	Oph NGC 6402 V169	17 37 35.35	-03 15 22.4		RRC
V4173	Oph NGC 6402 V122	17 37 35.48	-03 14 39.3		RRAB
V4174	Oph NGC 6402 V079	17 37 35.54	-03 15 00.3		RRAB
V4175	Oph NGC 6402 V123	17 37 35.73	-03 15 44.0		RRC
V4176	Oph NGC 6402 V048	17 37 35.84	-03 14 04.8		RRAB
V4177	Oph NGC 6402 V124	17 37 35.92	-03 15 27.4		RRAB
V4178	Oph NGC 6402 V126	17 37 36.03	-03 14 55.5		RRC
V4179	Oph NGC 6402 V003	17 37 36.08	-03 16 14.4		RRC
V4180	Oph NGC 6402 V127	17 37 36.09	-03 14 32.9		RRC
V4181	Oph NGC 6402 V128	17 37 36.11	-03 13 52.8		RRC
V4182	Oph NGC 6402 V024	17 37 36.14	-03 13 30.6		RRAB
V4183	Oph NGC 6402 V129	17 37 36.29	-03 15 01.2		RRC
V4184	Oph NGC 6402 V130	17 37 36.45	-03 15 25.1		RRAB
V4185	Oph NGC 6402 V131	17 37 36.45	-03 14 54.3		RRC
V4186	Oph NGC 6402 V073	17 37 36.57	-03 14 38.0		LB:
V4187	Oph NGC 6402 V166	17 37 36.61	-03 14 17.8		RRAB
V4188	Oph NGC 6402 V037	17 37 36.68	-03 14 27.1		RRAB
V4189	Oph NGC 6402 V074	17 37 36.70	-03 13 14.7		SRB
V4190	Oph NGC 6402 V132	17 37 36.72	-03 15 14.5		RRAB
V4191	Oph NGC 6402 V133	17 37 36.88	-03 18 15.0		RRC
V4192	Oph NGC 6402 V068	17 37 36.89	-03 15 05.3		RRAB
V4193	Oph NGC 6402 V165	17 37 36.95	-03 14 53.2		SR:
V4194	Oph NGC 6402 V038	17 37 36.98	-03 15 02.7		RRAB
V4195	Oph NGC 6402 V135	17 37 36.99	-03 13 42.1		RRC
V4196	Oph NGC 6402 V136	17 37 37.02	-03 15 24.1		RRC
V4197	Oph NGC 6402 V061	17 37 37.19	-03 15 28.2		RRAB
V4198	Oph NGC 6402 V001	17 37 37.39	-03 13 59.4		CWA
V4199	Oph NGC 6402 V044	17 37 37.50	-03 12 47.7		RRC
V4200	Oph NGC 6402 V137	17 37 37.66	-03 14 40.5		RRC
V4201	Oph NGC 6402 V138	17 37 38.12	-03 15 32.5		RRC
V4202	Oph NGC 6402 V139	17 37 38.21	-03 17 22.8		RRC
V4203	Oph NGC 6402 Nova	17 37 38.3	-03 14 41		N:

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4204	Oph NGC 6402 V140	17 37 38.40	-03 15 51.3		RRAB
V4205	Oph NGC 6402 V055	17 37 38.44	-03 12 58.9		RRC
V4206	Oph NGC 6402 V141	17 37 38.49	-03 14 26.9		RRAB
V4207	Oph NGC 6402 V032	17 37 38.57	-03 12 18.8		RRAB
V4208	Oph NGC 6402 V006	17 37 38.57	-03 16 02.4		SRB:
V4209	Oph NGC 6402 V075	17 37 38.61	-03 14 55.4		RRAB
V4210	Oph NGC 6402 V042	17 37 38.70	-03 14 33.2		RRAB
V4211	Oph NGC 6402 V142	17 37 38.89	-03 14 01.8		RRAB
V4212	Oph NGC 6402 V143	17 37 39.03	-03 16 30.4		RRC
V4213	Oph NGC 6402 V060	17 37 39.04	-03 13 50.4		RRAB
V4214	Oph NGC 6402 V070	17 37 39.12	-03 15 07.5		RRAB
V4215	Oph NGC 6402 V039	17 37 39.33	-03 14 45.8		RRAB
V4216	Oph NGC 6402 V144	17 37 39.45	-03 14 29.2		RRC
V4217	Oph NGC 6402 V014	17 37 39.81	-03 14 48.0		RRAB
V4218	Oph NGC 6402 V171	17 37 39.84	-03 15 06.7		LB:
V4219	Oph NGC 6402 V145	17 37 40.15	-03 15 00.8		RRC
V4220	Oph NGC 6402 V146	17 37 40.35	-03 16 07.8		SRB
V4221	Oph NGC 6402 V007	17 37 40.42	-03 16 20.5		CWA
V4222	Oph NGC 6402 V147	17 37 40.45	-03 15 54.8		RRAB
V4223	Oph NGC 6402 V018	17 37 40.46	-03 15 07.0		RRAB
V4224	Oph NGC 6402 V043	17 37 40.69	-03 14 22.9		RRAB
V4225	Oph NGC 6402 V022	17 37 40.93	-03 13 10.6		RRAB
V4226	Oph NGC 6402 V148	17 37 40.94	-03 16 59.2		RRC
V4227	Oph NGC 6402 V021	17 37 41.02	-03 12 40.1		RRC
V4228	Oph NGC 6402 V023	17 37 41.17	-03 10 04.9		RRAB
V4229	Oph NGC 6402 V030	17 37 41.31	-03 14 57.0		RRAB
V4230	Oph NGC 6402 V150	17 37 41.31	-03 14 07.5		RRAB
V4231	Oph NGC 6402 V151	17 37 41.36	-03 14 22.1		RRC
V4232	Oph NGC 6402 V170	17 37 41.50	-03 16 03.2		SRB
V4233	Oph NGC 6402 V152	17 37 42.09	-03 15 36.2		SRB
V4234	Oph NGC 6402 V153	17 37 42.12	-03 11 55.7		RRC
V4235	Oph NGC 6402 V046	17 37 42.31	-03 15 49.6		RRC
V4236	Oph NGC 6402 V008	17 37 42.64	-03 14 09.4		RRAB
V4237	Oph NGC 6402 V154	17 37 42.70	-03 13 58.7		RRC
V4238	Oph NGC 6402 V155	17 37 43.09	-03 14 04.4		SR:
V4239	Oph NGC 6402 V051	17 37 43.37	-03 19 50.1		RRC
V4240	Oph NGC 6402 V156	17 37 43.79	-03 14 23.3		SRB:
V4241	Oph NGC 6402 V157	17 37 43.97	-03 16 12.1		RRC
V4242	Oph NGC 6402 V158	17 37 44.01	-03 13 00.1		RRAB
V4243	Oph NGC 6402 V159	17 37 44.15	-03 13 43.9		RRC
V4244	Oph NGC 6402 V160	17 37 44.42	-03 15 33.5		RRC
V4245	Oph NGC 6402 V057	17 37 45.26	-03 16 39.4		RRAB
V4246	Oph NGC 6402 V009	17 37 46.39	-03 15 23.7		RRAB
V4247	Oph NGC 6402 V004	17 37 47.02	-03 13 31.8		RRAB
V4248	Oph NGC 6402 V011	17 37 49.36	-03 18 26.1		RRAB
V4249	Oph NGC 6402 V162	17 37 49.82	-03 11 48.0		SRB
V4250	Oph NGC 6402 V036	17 37 50.05	-03 20 29.2		RRAB
V4251	Oph NGC 6402 V012	17 37 51.31	-03 17 40.5		RRAB
V4252	Oph NGC 6402 V163	17 37 53.87	-03 14 16.6		RRC
V4253	Oph NGC 6402 V164	17 37 56.25	-03 10 15.3		RRC
	NGC 6401				
V4254	Oph NGC 6401 LPV11	17 38 08.03	-23 47 16.8		LB:
V4255	Oph NGC 6401 LPV10	17 38 12.35	-23 51 55.6		LB:
V4256	Oph NGC 6401 LPV9	17 38 15.92	-24 00 04.7		LB:

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4257	Oph NGC 6401 LPV8	17 38 18.83	-23 51 04.4		LB:
V4258	Oph NGC 6401 LPV7	17 38 23.64	-23 51 26.9		LB:
V4259	Oph NGC 6401 V041	17 38 27.33	-23 53 46.8		EW
V4260	Oph NGC 6401 V042	17 38 27.70	-23 55 11.1		EB
V4261	Oph NGC 6401 V026	17 38 28.14	-23 54 24.4		RRAB
V4262	Oph NGC 6401 V043	17 38 29.78	-23 54 02.6		EW
V4263	Oph NGC 6401 LPV6	17 38 29.82	-23 57 17.3		SRB
V4264	Oph NGC 6401 LPV5	17 38 31.01	-23 48 48.0		LB:
V4265	Oph NGC 6401 V044	17 38 32.38	-23 53 07.5		EW
V4266	Oph NGC 6401 V027	17 38 32.95	-23 55 05.0		RRC
V4267	Oph NGC 6401 LPV4	17 38 33.26	-23 58 38.1		LB:
V4268	Oph NGC 6401 V028	17 38 33.54	-23 56 53.1		RRAB
V4269	Oph NGC 6401 V018	17 38 33.82	-23 54 04.1		RRAB
V4270	Oph NGC 6401 V045	17 38 33.83	-23 53 44.2		EB
V4271	Oph NGC 6401 V002	17 38 33.95	-23 54 26.8		RRAB
V4272	Oph NGC 6401 V005	17 38 34.00	-23 54 41.1		RRAB
V4273	Oph NGC 6401 V029	17 38 34.14	-23 55 07.4		RRC
V4274	Oph NGC 6401 V046	17 38 34.26	-23 53 31.8		EA
V4275	Oph NGC 6401 V030	17 38 34.78	-23 55 05.3		RRC
V4276	Oph NGC 6401 V031	17 38 34.85	-23 54 35.8		RRAB
V4277	Oph NGC 6401 V022	17 38 34.86	-23 54 40.9		RRC
V4278	Oph NGC 6401 V047	17 38 34.86	-23 55 08.8		EA
V4279	Oph NGC 6401 V012	17 38 35.06	-23 54 31.3		RRC
V4280	Oph NGC 6401 V048	17 38 35.34	-23 53 54.7		EW
V4281	Oph NGC 6401 V013	17 38 35.61	-23 54 49.3		RRAB
V4282	Oph NGC 6401 V032	17 38 35.63	-23 54 52.1		RRAB
V4283	Oph NGC 6401 V033	17 38 35.68	-23 55 26.6		RRC
V4284	Oph NGC 6401 V016	17 38 35.98	-23 55 58.3		RRAB
V4285	Oph NGC 6401 V049	17 38 36.18	-23 55 36.0		EW
V4286	Oph NGC 6401 V025	17 38 36.26	-23 55 03.1		RRAB
V4287	Oph NGC 6401 V039	17 38 36.34	-23 54 20.8		LB:
V4288	Oph NGC 6401 V004	17 38 36.35	-23 54 35.7		RRAB
V4289	Oph NGC 6401 V009	17 38 36.74	-23 54 39.5		RRAB
V4290	Oph NGC 6401 V021	17 38 36.76	-23 54 12.4		RRC
V4291	Oph NGC 6401 V034	17 38 36.78	-23 54 35.4		RRAB
V4292	Oph NGC 6401 LPV2	17 38 36.87	-23 49 23.6		LB:
V4293	Oph NGC 6401 V035	17 38 36.99	-23 54 35.1		RRC
V4294	Oph NGC 6401 E1	17 38 37.41	-24 00 52.1		EB:
V4295	Oph NGC 6401 V015	17 38 37.77	-23 55 09.8		RRAB
V4296	Oph NGC 6401 V006	17 38 38.17	-23 53 58.4		RRAB
V4297	Oph NGC 6401 V010	17 38 38.56	-23 53 52.6		RRAB
V4298	Oph NGC 6401 V008	17 38 38.70	-23 55 25.2		RRC
V4299	Oph NGC 6401 V014	17 38 39.35	-23 54 39.2		RRAB
V4300	Oph NGC 6401 V023	17 38 39.89	-23 52 27.3		RRC
V4301	Oph NGC 6401 V011	17 38 40.80	-23 54 08.5		RRAB
V4302	Oph NGC 6401 V007	17 38 40.97	-23 54 32.6		RRAB
V4303	Oph NGC 6401 V038	17 38 41.00	-23 56 26.9		LB
V4304	Oph NGC 6401 V003	17 38 41.29	-23 54 35.1		CWB
V4305	Oph NGC 6401 V050	17 38 41.33	-23 54 06.8		EW
V4306	Oph NGC 6401 V017	17 38 41.66	-23 52 57.1		RRAB
V4307	Oph NGC 6401 V040	17 38 41.73	-23 54 22.6		SRB
V4308	Oph NGC 6401 V051	17 38 42.01	-23 54 43.1		EB
V4309	Oph NGC 6401 V052	17 38 42.31	-23 54 44.3		EW
V4310	Oph NGC 6401 V036	17 38 42.84	-23 52 57.5		RRC

Table 1 (continued)

Name, GCVS	Name, CVSGGC	R.A., h m s	Decl., o ' "	2000.0	Type
V4311	Oph NGC 6401 V037	17 38	43.04	-23 52 35.6	RRAB
V4312	Oph NGC 6401 V019	17 38	43.78	-23 56 12.4	RRAB
V4313	Oph NGC 6401 V053	17 38	44.50	-23 56 01.7	EW
V4314	Oph NGC 6401 V024	17 38	45.52	-23 53 55.1	RRAB
V4315	Oph NGC 6401 V054	17 38	46.37	-23 54 20.9	EW
NGC 6426					
V4316	Oph NGC 6426 V002	17 44	41.59	+03 09 20.4	RRC
V4317	Oph NGC 6426 V001	17 44	43.76	+03 10 56.9	RRAB
V4318	Oph NGC 6426 V003	17 44	48.97	+03 09 41.7	RR(B)
V4319	Oph NGC 6426 V014	17 44	49.09	+03 10 12.7	RRC
V4320	Oph NGC 6426 V004	17 44	50.09	+03 09 01.8	RRAB
V4321	Oph NGC 6426 V005	17 44	50.53	+03 09 53.1	RRAB
V4322	Oph NGC 6426 V016	17 44	51.97	+03 10 12.3	RRAB
V4323	Oph NGC 6426 V006	17 44	52.10	+03 11 07.2	RRAB
V4324	Oph NGC 6426 V009	17 44	52.55	+03 08 50.8	RRC
V4325	Oph NGC 6426 V008	17 44	54.30	+03 09 23.2	RRAB
V4326	Oph NGC 6426 V015	17 44	55.66	+03 09 37.9	RRAB
V4327	Oph NGC 6426 V007	17 44	55.77	+03 10 10.1	RRAB
V4328	Oph NGC 6426 V012	17 44	57.37	+03 10 12.1	RRC
V4329	Oph NGC 6426 V010	17 44	58.17	+03 10 27.8	RRC
V4330	Oph NGC 6426 V013	17 45	04.39	+03 06 19.9	RRAB
NGC 6539					
V4331	Oph NGC 6539 V001	18 04	38.16	-07 31 27.6	LB:
V4332	Oph NGC 6539 V003	18 04	43.21	-07 35 22.2	LB:
V0671	Ser NGC 6539 V006	18 04	48.67	-07 34 52.0	LB:
V0672	Ser NGC 6539 V011	18 04	50.42	-07 34 55.3	LB:
V0673	Ser NGC 6539 V008	18 04	51.07	-07 35 24.5	LB:
V0674	Ser NGC 6539 V002	18 04	52.04	-07 34 32.5	LB:
V0675	Ser NGC 6539 V007	18 04	54.87	-07 34 12.6	LB:
V0676	Ser NGC 6539 V010	18 04	55.10	-07 36 31.8	LB:
V0677	Ser NGC 6539 V009	18 04	55.80	-07 32 16.4	LB:
V0678	Ser NGC 6539 V005	18 04	58.65	-07 34 39.3	LB:
V0679	Ser NGC 6539 V004	18 05	05.14	-07 35 03.9	LB:
NGC 6779					
V0896	Lyr NGC 6779 V012	19 16	17.25	+30 09 23.6	RRAB:
V0897	Lyr NGC 6779 V004	19 16	27.45	+30 08 21.1	RRC:
V0898	Lyr NGC 6779 V014	19 16	29.84	+30 12 27.4	RRC
V0899	Lyr NGC 6779 V006	19 16	35.77	+30 11 38.8	RV
V0900	Lyr NGC 6779 V005	19 16	36.59	+30 08 47.3	SR
V0901	Lyr NGC 6779 V003	19 16	37.83	+30 12 33.9	RV:
V0902	Lyr NGC 6779 V013	19 16	38.74	+30 10 59.0	SR:
V0903	Lyr NGC 6779 V001	19 16	39.33	+30 12 16.6	CWB

Table 2. Recent Novae

GCVS	Nova	Coordinates, J2000	
V2030 Aql	N Aql 2021	19 ^h 07 ^m 58 ^s .62	+08°43'45".1
V0946 Car	N Car 2012 No. 2	09 41 01.83	-57 59 55.8
V1405 Cas	N Cas 2021	23 24 47.73	+61 11 14.8
V1674 Her	N Her 2021	18 57 30.96	+16 53 39.2
V3732 Oph	N Oph 2021	17 33 14.83	-27 43 11.0
V1112 Per	N Per 2020	04 29 18.85	+43 54 23.0
V6594 Sgr	N Sgr 2021 No. 1	18 49 05.08	-19 02 04.2
V6595 Sgr	N Sgr 2021 No. 2	17 58 16.09	-29 14 56.6
V1710 Sco	N Sco 2021 No. 1	17 09 08.11	-37 30 40.9
V1711 Sco	N Sco 2021 No. 2	17 39 44.74	-36 16 40.6
V0606 Vul	N Vul 2021	20 21 07.70	+29 14 09.1