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PRECISE COORDINATES OF VARIABLE STARS (4)

T. KATO

Dept. of Astronomy, Faculty of Science, Kyoto University, Kyoto 606-8502 Japan
e-mail: tkato@kusastro.kyoto-u.ac.jp

This report contains 133 accurate J2000.0 positions for variable stars discovered by Hoffmeister (1966). The variables stars were identified against computer plots of GSC and USNO A1.0 catalogs. The color information and IRAS PSC identification were also examined in identifying red variables. The source of identification in column 'Cat.': G = GSC 1.1, GM = average of GSC 1.1 multiple entries, U = USNO A1.0. The table has been sorted in the increasing order of J2000.0 right ascensions.

V650 Ori (S 9560): A suspected UG star. The coordinates given in Downes et al. (1997) do not agree well with the Hoffmeister's chart. The identification given here may be more likely (apart from the lack of corresponding description by Hoffmeister, and the relatively red color).

LN Aur (S 9582): Two positions are given. The first position refers to a red star near the position, whose magnitude agrees with Hoffmeister's description on the blue POSS plate. However, the second identification (LN Aur*) agrees better with Hoffmeister's finding chart, but has a rather blue color. More examination is needed.

Detailed information of identifications, other catalog identifications are available from the VSNET archive (vsnet 1135–1140,
http://www.kusastro.kyoto-u.ac.jp/vsnet/Mail/vsnet/msg01135.html etc.).

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References:

Downes, R., Webbink, R. F, Shara, M. M., 1997, *PASP*, **109**, 345
Hoffmeister, C., 1966, *Astron. Nach.*, **289**, 205

Table 1: Precise coordinates of variable stars

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
FH And	$00^h47^m38^s.11$	$+37°49'55''.2$	G	V344 Per	$04^h23^m32^s.59$	$+44°41'17''.7$	U
V414 Cas	00 48 09.99	+53 34 01.7	G	IQ Tau	04 29 51.57	+26 06 45.4	G
NS And	00 49 03.75	+35 13 10.8	GM	IR Tau	04 31 05.08	+20 40 05.8	U
V550 Cas	00 51 38.01	+58 48 50.4	G	IW Tau	04 41 04.68	+24 51 06.9	GM
V415 Cas	00 54 31.08	+59 24 00.0	U	V1368 Ori	05 21 13.36	+07 21 19.0	G
FI And	00 56 39.94	+37 15 48.2	G	V1015 Ori	05 28 54.21	+05 39 27.5	GM
VV Psc	01 01 44.84	+30 48 14.1	U	V364 Aur	05 30 27.48	+46 20 14.7	G
V416 Cas	01 01 59.20	+57 15 19.6	GM	V650 Ori	05 31 08.77	+09 45 27.6	U
V461 Cas	01 13 09.54	+59 51 09.4	GM	V367 Aur	05 38 13.62	+43 10 43.2	G
VW Psc	01 14 27.75	+32 41 40.0	GM	LM Aur	05 38 17.23	+47 00 12.0	G
V420 Cas	01 31 14.16	+58 47 28.6	U	V1021 Ori	05 38 41.72	+09 14 34.2	U
V480 Cas	01 47 51.54	+55 28 15.4	G	V369 Aur	05 42 31.13	+49 36 23.6	G
OZ Per	01 52 51.19	+52 11 10.2	G	V661 Ori	05 45 14.90	+07 21 22.3	G
V481 Cas	01 56 45.11	+59 18 43.7	G	V663 Ori	05 47 20.24	+10 11 54.1	U
RY Tri	02 01 10.79	+33 47 15.5	GM	V664 Ori	05 47 48.37	+07 33 20.6	G
RZ Tri	02 09 18.68	+33 49 08.1	GM	V1023 Ori	05 48 59.05	+08 35 19.3	U
SS Tri	02 10 26.33	+31 59 26.3	G	PY Aur	05 49 50.40	+41 39 52.6	U
PQ Per	02 18 58.05	+55 17 12.2	U	LN Aur*	05 51 29.16	+44 16 36.7	U
V363 Per	02 41 07.83	+55 12 59.8	U	LN Aur	05 51 29.18	+44 16 27.3	U
ST Tri	02 41 32.87	+35 43 30.6	GM	V371 Aur	05 52 20.21	+43 36 55.2	U
PT Per	02 42 51.21	+56 41 31.9	U	PZ Aur	05 53 21.77	+43 11 12.6	U
V483 Cas	02 45 41.05	+59 03 56.1	GM	V372 Aur	05 54 42.98	+41 52 12.5	GM
V449 Per	02 57 33.48	+35 14 00.8	G	LO Aur	05 57 23.90	+48 22 41.6	U
QR Per	03 00 48.56	+56 14 09.9	G	LQ Aur	06 00 10.81	+47 59 14.8	U
V452 Per	03 03 50.16	+42 12 59.2	G	LS Aur	06 07 47.02	+40 45 56.9	U
QZ Per	03 17 58.05	+37 34 17.9	U	V375 Aur	06 11 29.30	+42 19 24.8	G
V463 Per	03 28 14.94	+40 22 19.7	G	V376 Aur	06 12 01.77	+46 06 40.4	G
V338 Per	03 43 28.21	+32 01 59.1	U	LT Aur	06 13 14.00	+43 14 54.7	G
V341 Per	04 02 22.02	+32 54 30.1	U	LU Aur	06 13 25.03	+42 03 41.0	G
IL Tau	04 07 13.88	+29 18 32.9	G	QS Aur	06 14 22.68	+47 45 30.3	G
V394 Per	04 09 36.99	+33 29 37.3	GM	MX Aur	06 16 09.67	+44 11 26.9	G
V342 Per	04 09 42.29	+47 13 31.6	U	QT Aur	06 16 27.60	+39 53 23.8	G
V408 Tau	04 15 29.12	+26 07 34.0	GM	V378 Aur	06 20 33.32	+46 49 59.9	U
V343 Per	04 23 05.62	+50 14 48.4	U	V380 Aur	06 21 23.09	+41 13 13.1	G

Table 1: cont.

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
V381 Aur	$06^h22^m13^s.88$	$+46°04'36''.2$	G	V1946 Cyg	$19^h19^m44^s.85$	$+49°23'08''.0$	G
LX Aur	06 28 02.25	+48 45 54.4	U	V1947 Cyg	19 21 06.39	+55 38 05.9	GM
V537 Mon	07 18 56.53	−07 06 30.1	U	V1948 Cyg	19 29 12.80	+50 06 16.7	U
HR Hya	08 35 01.80	+02 59 30.8	G	V1123 Cyg	19 29 34.63	+49 17 35.8	U
HT Hya	08 59 17.88	+01 47 39.3	G	V1949 Cyg	19 30 12.45	+50 48 20.6	G
IU Hya	09 06 17.78	+05 45 45.4	G	V1263 Cyg	19 31 56.11	+52 01 59.7	G
V546 Her	16 41 22.36	+12 25 10.7	G	V1950 Cyg	19 37 32.87	+50 43 00.9	G
V651 Her	16 45 02.14	+08 48 32.6	GM	V1952 Cyg	19 38 53.44	+48 12 44.6	GM
V2066 Oph	16 51 05.92	+10 20 51.7	G	V1953 Cyg	19 40 58.05	+50 52 01.6	G
V1056 Oph	16 59 23.93	+06 20 15.6	U	V1954 Cyg	19 49 20.02	+55 33 32.5	G
V1058 Oph	17 01 25.13	+07 22 49.3	U	GR Sge	20 20 30.29	+18 23 47.5	U
V1059 Oph	17 07 54.54	+08 04 15.8	U	GZ Del	20 22 24.55	+10 34 07.4	U
V1060 Oph	17 12 16.23	+07 41 24.9	U	HH Del	20 25 25.42	+17 54 24.7	G
V1061 Oph	17 14 30.00	+10 43 08.2	U	HV Del	20 33 19.51	+11 32 01.6	U
V674 Her	18 10 27.19	+39 52 15.0	U	HX Del	20 42 29.97	+17 27 07.9	GM
V676 Her	18 13 39.66	+37 28 38.8	G	HZ Del	20 47 31.78	+14 05 28.4	G
V462 Lyr	18 28 36.85	+38 03 21.8	G	II Del	20 50 01.18	+19 11 43.3	U
V469 Lyr	18 40 53.27	+36 38 47.4	U	IK Del	20 52 08.88	+15 43 47.4	U
V343 Lyr	18 44 30.76	+41 41 52.3	U	HT Del	20 54 39.55	+17 12 02.3	U
V348 Lyr	18 48 23.86	+45 02 15.0	U	LN Del	20 57 12.62	+16 54 04.0	G
V354 Lyr	18 52 50.33	+41 33 49.1	U	V1402 Cyg	21 56 14.50	+54 31 38.4	GM
CC Dra	18 53 03.33	+51 58 40.5	G	GO Lac	22 11 06.11	+47 37 15.8	U
V355 Lyr	18 53 25.89	+43 09 15.9	U	GQ Lac	22 17 56.63	+54 45 45.0	U
V356 Lyr	18 56 00.52	+39 29 17.0	G	HN Cep	22 25 22.53	+57 15 56.5	U
EG Dra	18 58 04.92	+54 08 57.3	G	GS Lac	22 26 20.15	+53 16 15.9	U
EH Dra	19 04 53.48	+52 39 24.5	G	HO Cep	22 34 21.88	+62 36 03.5	U
V363 Lyr	19 08 51.62	+43 00 31.9	U	GW Lac	22 45 41.78	+53 14 34.3	U
V365 Lyr	19 09 03.26	+45 17 27.8	U	GY Lac	22 47 46.19	+55 18 13.4	U
V1102 Cyg	19 10 37.07	+52 13 14.9	U	V425 Cas	23 03 46.63	+53 17 15.2	U
CH Dra	19 10 52.68	+56 31 02.7	U	V428 Cas	23 06 35.28	+56 22 59.1	U
V1943 Cyg	19 13 01.07	+49 53 17.4	G	V429 Cas	23 15 51.26	+54 35 41.1	U
V1944 Cyg	19 13 55.42	+51 20 19.4	GM	V437 Cas	23 33 50.06	+55 18 22.4	U
V1945 Cyg	19 15 01.55	+54 17 29.1	G				