

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 4762

Konkoly Observatory
Budapest
2 September 1999

HU ISSN 0374 – 0676

PRECISE COORDINATES OF VARIABLE STARS (2)

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 307 accurate J2000.0 positions for variable stars discovered by Hoffmeister (1965). The variable stars listed in Table 1 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, UM = average of USNO–A1.0 multiple entries.

V575 Her (S 8609), V555 Ara (S 8669), V581 Ara (S 8713), V453 CrA (S 8745), FS Aps (S 8905), CY Mus (S 8965), DX Mus (S 9015), V1106 Aql (S 9051): brightest or most likely candidates are given.

V543 Ara (S 8634): no good candidate. Object listed may be too faint.

DY Mus (S 9016): position corrected in GCVS. Comparison with the original article supports the identification in the table.

MY Per (S 8548), NS Per (S 8554), V1060 Cyg (S 9108), V1062 Cyg (S 9110), V1065 Cyg (S 9113): identical identifications in Downes et al. (1997). However, the cataloged range of position for V1065 Cyg indicates a blank field on POSS. The true identification should be checked by astrometry during outburst.

Detailed information of identifications, other catalog identifications are available from the VSNET archive (vsnet 1158–1173, 1176 and 1177, <http://www.kusastro.kyoto-u.ac.jp/vsnet/Mail/vsnet/msg01158.html> etc.)

The author is grateful to the USNO PMM team for making USNO A1.0 CD-ROMs available to the author. This work is partly supported by the Grant-in-Aid for Scientific Research (10740095) of the Japanese Ministry of Education, Science, Culture, and Sports.

References:

- Downes, R., Webbink, R. F., Shara, M. M., 1997, *PASP*, **109**, 345
Hoffmeister, C., 1965, *Astron. Nach.*, **289**, 1

Table 1: Precise coordinates of variable stars

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
MN Per	03 ^h 45 ^m 57 ^s .14	+50°16'52".7	U	MO Per	03 ^h 45 ^m 56 ^s .89	+46°48'27".1	G
MP Per	03 48 40.72	+43 25 33.7	G	MQ Per	03 49 48.40	+46 08 27.7	U
MR Per	03 50 46.91	+48 12 37.1	GM	MS Per	04 01 12.22	+49 33 11.8	G
MT Per	04 01 59.43	+51 22 07.1	G	MU Per	04 02 45.12	+52 12 17.6	U
V415 Per	04 03 21.60	+45 45 33.7	U	MV Per	04 03 55.88	+44 28 18.4	G
V416 Per	04 08 08.92	+45 24 10.8	G	MY Per	04 09 11.27	+48 22 05.3	U
MZ Per	04 11 23.91	+46 21 04.3	U	V481 Per	04 13 08.79	+49 42 35.3	G
NO Per	04 15 41.82	+48 40 42.4	G	V482 Per	04 15 41.32	+47 25 20.5	G
NQ Per	04 16 22.21	+50 06 10.4	U	NS Per	04 18 44.48	+51 07 31.1	U
V417 Per	04 18 29.20	+48 12 36.1	G	V418 Per	04 19 00.80	+47 10 42.4	G
NT Per	04 19 30.77	+52 19 12.6	U	NU Per	04 19 42.62	+50 07 26.5	G
NX Per	04 23 39.35	+49 57 26.3	U	AO Cam	04 28 13.61	+53 02 45.4	G
OO Per	04 28 57.76	+45 53 02.5	U	OR Per	04 32 13.26	+48 28 48.5	U
OS Per	04 36 29.33	+49 16 20.6	U	OT Per	04 38 37.94	+47 44 24.2	U
OU Per	04 40 55.89	+44 30 06.5	U	OV Per	04 43 39.99	+50 14 19.5	U
KR Pup	07 35 07.11	-16 20 32.6	GM	HQ Cep	23 12 46.89	+61 26 32.7	U
V433 Cas	23 25 12.08	+61 19 29.1	G	V378 Lac	22 03 27.92	+45 34 06.0	GM
GN Lac	22 06 51.53	+43 22 56.7	G	GP Lac	22 12 17.54	+45 30 51.7	U
GR Lac	22 19 56.49	+46 19 21.6	U	GT Lac	22 30 30.06	+45 49 41.9	U
FY Lac	22 32 35.46	+45 31 46.5	G	GU Lac	22 34 35.15	+45 04 15.2	U
V661 Her	17 42 13.31	+28 37 28.5	GM	V559 Her	17 49 16.58	+28 18 21.2	GM
V560 Her	17 50 17.80	+25 58 11.4	G	V561 Her	17 51 30.13	+28 22 12.7	U
V664 Her	17 53 54.01	+31 53 31.7	U	V563 Her	17 58 07.29	+28 35 58.8	GM
V666 Her	18 01 41.52	+31 25 48.8	G	V569 Her	18 09 48.85	+29 03 19.2	U
V572 Her	18 11 38.40	+25 54 38.5	U	V670 Her	18 13 07.68	+29 35 11.2	G
V574 Her	18 13 35.88	+28 29 53.0	U	V575 Her	18 14 35.45	+29 44 40.4	U
V576 Her	18 18 38.17	+28 25 13.3	G	V671 Her	18 20 02.46	+29 17 31.5	U
V799 Her	17 19 03.61	+14 44 38.1	GM	V801 Her	17 20 23.89	+13 32 39.9	G
V2073 Oph	17 25 01.50	+10 51 28.6	U	V658 Her	17 28 36.69	+15 31 17.1	G
V1062 Oph	17 29 58.42	+12 52 24.0	U	V659 Her	17 30 53.09	+14 21 48.9	GM
V1064 Oph	17 34 32.76	+09 44 51.3	U	V1065 Oph	17 38 53.08	+10 23 32.0	G
V555 Her	17 39 29.18	+15 43 25.1	U	V556 Her	17 44 53.55	+14 40 56.7	U
V1073 Oph	17 46 24.37	+13 53 25.0	U	V1075 Oph	17 50 21.76	+13 27 03.2	G
V540 Ara	17 39 04.47	-54 51 38.1	U	V544 Ara	17 39 36.54	-54 08 52.7	U
V542 Ara	17 39 43.67	-52 54 31.1	U	V543 Ara	17 41 43.10	-52 20 45.4	U
V544 Ara	17 42 02.47	-52 42 58.2	U	V545 Ara	17 42 29.78	-48 53 38.6	U
V546 Ara	17 42 59.43	-50 27 46.6	U	V548 Ara	17 44 45.69	-51 59 39.3	UM
V547 Ara	17 44 12.54	-47 06 13.5	U	V549 Ara	17 44 51.62	-50 07 39.3	U
V550 Ara	17 44 43.38	-47 18 49.2	U	V551 Ara	17 45 21.72	-50 04 14.2	U
V552 Ara	17 45 51.69	-53 37 31.0	U	V553 Ara	17 46 27.25	-49 50 07.6	U
V554 Ara	17 46 34.54	-50 11 40.1	U	V555 Ara	17 47 10.01	-46 30 33.1	U
V556 Ara	17 47 28.24	-50 19 52.4	U	V557 Ara	17 47 34.45	-49 12 20.0	U
V558 Ara	17 48 10.39	-50 11 21.6	U	V559 Ara	17 48 37.88	-51 23 25.0	U
V560 Ara	17 48 16.30	-47 59 19.0	U	V561 Ara	17 48 55.74	-52 29 31.8	U
V562 Ara	17 49 23.29	-55 19 15.2	U	V563 Ara	17 49 15.48	-52 25 22.5	UM
V564 Ara	17 49 55.73	-54 51 51.2	U	V565 Ara	17 49 59.00	-53 42 23.9	U
V566 Ara	17 49 20.78	-46 50 13.7	U	V567 Ara	17 50 35.06	-53 48 54.6	U
V568 Ara	17 51 24.71	-46 05 10.1	U	V569 Ara	17 51 30.99	-46 32 13.8	U
V570 Ara	17 53 12.50	-55 09 33.2	U	V571 Ara	17 53 04.72	-52 31 26.6	UM
V572 Ara	17 53 15.94	-50 07 34.1	U	V573 Ara	17 53 23.30	-50 22 51.3	U
V828 Sco	17 52 51.38	-45 14 06.6	U	MQ Ara	17 53 10.24	-46 48 03.1	U
V574 Ara	17 53 43.69	-49 15 45.0	U	V576 Ara	17 54 27.52	-53 02 45.5	U

Table 1 (cont.)

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
V578 Ara	17 ^h 54 ^m 21 ^s .02	-50°01'37".1	U	V577 Ara	17 ^h 53 ^m 59 ^s .30	-47°42'47".5	G
V579 Ara	17 54 33.96	-51 22 36.8	U	V581 Ara	17 54 40.95	-51 16 02.8	U
V580 Ara	17 54 14.59	-46 58 10.5	U	V582 Ara	17 54 33.44	-46 42 40.8	U
V834 Sco	17 54 43.70	-45 30 48.4	U	V584 Ara	17 55 39.68	-52 47 15.9	U
V583 Ara	17 54 58.94	-46 02 04.5	G	V585 Ara	17 55 53.24	-52 06 08.7	U
V586 Ara	17 56 00.06	-46 30 08.9	U	V839 Sco	17 55 52.52	-44 56 05.7	U
V761 Ara	17 56 16.80	-45 55 28.8	U	V587 Ara	17 56 50.57	-48 46 19.0	U
V588 Ara	17 57 32.28	-47 18 21.5	U	V589 Ara	17 58 39.53	-55 05 21.5	U
V590 Ara	17 57 42.76	-45 33 22.7	U	V847 Sco	17 57 46.32	-44 41 58.7	U
V591 Ara	17 58 59.81	-47 38 39.6	U	V764 Ara	17 59 47.02	-53 16 16.8	U
V453 CrA	17 59 32.52	-45 14 15.6	U	V654 CrA	17 59 52.09	-45 18 17.5	G
V592 Ara	18 01 10.72	-48 55 48.9	U	V594 Ara	18 02 02.72	-48 44 29.4	U
V595 Ara	18 02 21.64	-47 12 57.8	U	V596 Ara	18 03 03.24	-50 07 48.8	U
V597 Ara	18 03 09.65	-47 20 02.0	UM	V765 Ara	18 03 34.64	-47 14 42.4	U
V598 Ara	18 03 58.78	-47 47 09.1	U	V599 Ara	18 05 18.43	-47 58 44.9	U
V600 Ara	18 05 19.01	-47 39 57.3	U	V601 Ara	18 05 32.11	-47 08 31.9	U
V602 Ara	18 05 40.94	-48 21 50.1	U	V613 Ara	18 07 43.41	-54 26 21.9	U
V603 Ara	18 07 28.01	-47 15 21.4	U	V604 Ara	18 07 42.40	-45 48 28.2	U
V605 Ara	18 07 45.64	-45 31 12.8	U	V606 Ara	18 08 02.82	-48 19 15.8	U
V607 Ara	18 09 01.54	-51 44 08.8	U	V608 Ara	18 09 14.57	-48 57 55.8	U
V497 CrA	18 08 58.93	-44 35 21.1	U	KM Tel	18 09 43.06	-49 41 01.0	U
KN Tel	18 10 14.65	-54 02 16.7	U	KP Tel	18 10 19.64	-51 20 35.6	U
KO Tel	18 09 57.48	-47 04 59.0	U	V500 CrA	18 10 00.29	-44 44 05.7	U
KQ Tel	18 10 52.84	-48 58 35.8	U	KR Tel	18 11 38.71	-53 00 32.4	U
V505 CrA	18 11 07.21	-45 08 52.9	U	V507 CrA	18 11 29.34	-45 17 15.2	U
KS Tel	18 12 32.60	-52 32 14.4	U	KT Tel	18 12 46.50	-46 18 16.7	U
V510 CrA	18 12 03.33	-45 02 38.6	U	KU Tel	18 13 21.31	-48 39 09.7	U
KV Tel	18 14 25.26	-50 38 19.3	U	KW Tel	18 14 16.79	-46 54 30.7	U
KX Tel	18 14 34.78	-46 18 17.8	U	V676 CrA	18 14 42.04	-45 02 32.1	U
KY Tel	18 15 45.95	-50 23 23.5	U	LL Tel	18 16 07.57	-49 10 48.6	U
KZ Tel	18 15 57.88	-47 13 54.5	U	LM Tel	18 17 24.21	-46 20 17.5	U
LN Tel	18 17 42.78	-45 42 02.1	U	LO Tel	18 18 00.28	-46 17 11.1	U
LP Tel	18 18 49.78	-51 56 49.6	U	LQ Tel	18 18 34.90	-46 57 33.7	U
LR Tel	18 18 47.48	-46 45 47.8	U	LS Tel	18 20 08.73	-45 38 13.1	U
LT Tel	18 20 49.79	-50 53 14.0	U	V418 CrA	18 20 45.40	-44 44 50.7	U
LU Tel	18 21 08.21	-46 32 56.5	G	V562 CrA	18 21 31.01	-44 20 43.8	U
LV Tel	18 23 04.32	-48 20 34.5	U	V565 CrA	18 22 46.16	-44 46 22.4	U
LW Tel	18 22 57.70	-46 23 10.0	U	LX Tel	18 23 27.13	-46 59 17.4	U
LY Tel	18 24 40.09	-49 29 41.8	U	MM Tel	18 26 18.90	-48 22 09.1	U
MN Tel	18 26 57.80	-47 19 18.0	U	MO Tel	18 27 20.90	-49 56 17.8	U
V607 CrA	18 28 31.28	-44 50 53.0	GM	MP Tel	18 30 06.88	-49 02 33.2	U
MQ Tel	18 30 18.07	-47 09 02.1	U	MR Tel	18 31 03.73	-51 59 16.5	U
MS Tel	18 31 09.43	-48 51 10.4	U	EU Tel	18 33 30.06	-49 54 19.2	G
FS Aps	14 29 28.58	-70 34 25.0	U	BI Cir	14 32 50.10	-69 26 43.4	U
FT Aps	14 35 29.35	-72 19 04.9	U	BK Cir	14 34 53.49	-66 22 06.4	U
AY Cir	14 35 36.36	-68 38 44.7	U	FF Aps	14 38 17.08	-71 47 49.6	U
AZ Cir	14 38 22.50	-66 14 44.1	U	LX Aps	14 45 45.80	-70 56 00.1	U
BL Cir	14 49 56.66	-69 20 51.1	G	BM Cir	14 49 58.47	-66 02 31.9	U
BC Cir	14 51 26.37	-70 29 25.7	U	EM TrA	14 56 33.26	-68 08 34.3	GM
GU TrA	15 01 57.54	-69 44 50.2	G	FG Aps	15 06 42.44	-72 13 21.6	U
FZ Aps	15 06 03.49	-65 43 22.4	U	IX TrA	15 18 33.17	-68 53 28.3	U
BH Cir	15 17 51.25	-64 00 57.4	U	GG TrA	15 19 10.98	-67 08 32.6	U

Table 1 (cont.)

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
GV TrA	15 ^h 19 ^m 25 ^s .17	-65°48'55".6	U	GH TrA	15 ^h 22 ^m 10 ^s .98	-66°44'02".6	U
GW TrA	15 24 25.93	-67 23 56.9	U	LZ Aps	15 27 03.52	-71 48 15.5	U
GX TrA	15 27 14.59	-65 32 14.5	U	FH Aps	15 31 39.64	-72 40 17.7	U
FI Aps	15 32 58.63	-73 13 43.4	U	FK Aps	15 37 13.51	-72 11 22.3	U
GI TrA	15 41 37.48	-68 26 41.9	U	FL Aps	15 42 48.49	-71 07 08.8	G
GK TrA	15 41 02.98	-64 51 35.7	U	GL TrA	15 43 30.12	-65 26 56.6	U
GM TrA	15 43 52.60	-64 40 27.8	U	GY TrA	15 46 20.62	-66 41 14.4	G
FU Aps	15 49 25.07	-71 19 08.8	U	FM Aps	15 51 10.35	-72 26 15.7	U
FN Aps	15 51 33.42	-72 22 22.2	GM	GO TrA	15 52 06.57	-66 31 09.2	U
GZ TrA	15 54 26.91	-69 10 56.4	G	HH TrA	15 59 20.49	-67 15 56.7	U
GP TrA	16 01 00.65	-69 35 15.9	U	CU Mus	11 27 05.81	-74 28 27.5	U
CV Mus	11 44 28.99	-70 42 55.9	GM	CW Mus	11 47 16.56	-69 56 19.8	G
CY Mus	11 50 40.03	-67 05 47.8	U	DP Mus	11 54 52.36	-73 31 43.4	U
CZ Mus	11 59 49.75	-70 31 08.7	G	DQ Mus	12 00 22.06	-68 29 34.4	UM
DR Mus	12 00 37.59	-70 55 51.4	G	EI Mus	12 01 57.86	-72 14 02.7	G
DD Mus	12 14 39.94	-68 32 35.4	U	DE Mus	12 14 59.21	-68 45 20.9	U
DF Mus	12 17 31.99	-67 29 32.8	G	DG Mus	12 18 28.23	-70 57 59.4	U
DS Mus	12 22 08.86	-70 44 38.4	U	IQ Mus	12 38 15.68	-68 24 29.2	U
DT Mus	12 39 07.82	-69 46 17.3	U	DU Mus	12 40 59.95	-67 06 45.7	U
EP Mus	12 43 14.59	-69 03 23.1	GM	DH Mus	12 44 41.99	-71 54 05.9	U
DI Mus	12 50 16.62	-69 49 14.2	U	DV Mus	12 50 38.47	-68 56 29.3	U
DK Mus	12 52 05.19	-68 48 37.5	U	DL Mus	12 52 17.24	-69 05 07.2	U
ER Mus	12 53 01.75	-71 13 24.2	U	DM Mus	13 08 33.93	-68 25 42.9	U
DX Mus	13 13 22.87	-70 22 15.5	U	DY Mus	13 16 58.04	-67 52 30.8	GM
DN Mus	13 23 34.88	-74 33 42.2	G	BY Cha	13 34 48.83	-76 45 55.2	U
V580 Her	18 53 03.73	+15 33 22.4	U	V582 Her	18 55 54.56	+13 54 26.6	U
V583 Her	18 56 22.81	+14 53 17.5	G	V584 Her	18 57 12.98	+16 34 07.5	U
V1186 Aql	19 02 25.87	+14 22 36.0	U	V1187 Aql	19 02 56.23	+15 33 21.0	U
V1104 Aql	19 03 40.20	+14 44 16.9	U	V1106 Aql	19 04 25.52	+14 13 32.8	U
V1105 Aql	19 04 14.11	+16 37 46.4	U	V1107 Aql	19 04 37.81	+14 49 53.9	G
V1108 Aql	19 05 27.18	+15 58 07.9	U	LL Vul	20 31 43.31	+25 38 36.2	U
NW Vul	20 32 06.17	+23 56 50.9	U	LM Vul	20 34 52.37	+23 11 37.6	U
LN Vul	20 35 07.42	+22 53 30.4	U	LQ Vul	20 39 14.16	+24 20 44.3	U
LR Vul	20 40 43.14	+24 54 40.0	U	LS Vul	20 44 38.26	+23 11 15.5	U
V1327 Cyg	20 39 52.54	+32 30 27.7	U	V1203 Cyg	20 42 12.59	+32 51 21.8	U
V1205 Cyg	20 44 51.41	+34 49 14.7	U	V1206 Cyg	20 45 15.52	+34 37 30.4	U
V1207 Cyg	20 45 54.58	+34 39 21.0	U	V1208 Cyg	20 46 27.52	+32 49 33.4	U
V1209 Cyg	20 46 56.70	+33 21 13.0	U	V1210 Cyg	20 46 58.92	+33 00 44.5	U
V1211 Cyg	20 47 10.15	+35 04 56.4	U	V1213 Cyg	20 49 05.23	+34 31 51.7	U
V1214 Cyg	20 49 17.63	+34 56 05.0	U	V1215 Cyg	20 49 21.69	+34 44 11.3	U
V1216 Cyg	20 49 51.38	+35 27 58.5	U	V1217 Cyg	20 50 30.18	+34 37 12.4	U
V1328 Cyg	20 50 52.89	+33 12 04.7	U	AN Cyg	20 51 22.38	+33 48 19.8	U
V1218 Cyg	20 52 25.33	+34 55 15.7	U	V1804 Cyg	21 07 29.79	+37 10 44.7	G
V1226 Cyg	21 07 23.89	+38 24 50.7	U	V1060 Cyg	21 07 42.21	+37 14 09.0	U
V1062 Cyg	21 08 12.14	+36 49 27.1	U	V1230 Cyg	21 10 03.74	+36 54 42.5	U
V1065 Cyg	21 10 59.06	+38 57 12.6	U	V1233 Cyg	21 11 47.02	+38 17 37.1	U
V1235 Cyg	21 14 19.83	+38 00 58.1	U	V1237 Cyg	21 17 26.90	+37 34 46.5	U
V1556 Cyg	21 18 07.66	+39 17 30.3	U	V1238 Cyg	21 19 02.32	+36 54 07.6	U
V1333 Cyg	21 18 57.47	+39 03 37.0	U	V1239 Cyg	21 19 45.35	+38 21 57.2	U
V1240 Cyg	21 22 28.69	+37 39 43.1	G				