

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

Number 4789

Konkoly Observatory
Budapest
3 November 1999

HU ISSN 0374 – 0676

PRECISE COORDINATES OF VARIABLE STARS (5)

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This report contains 326 accurate J2000.0 positions for variable stars discovered by Hoffmeister (1967). The variable 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, UM = average of USNO A1.0 multiple entries. The table has been sorted in the increasing order of J2000.0 right ascensions.

V1111 Oph (S 9911), V1227 Cyg (S 10084): doubtful identification, one of possible candidates.

HQ Sge (S 9964): double star. The south-eastern (bluer) component is selected.

KO Vul (S 10032): doubtful identification, one of candidates. Hoffmeister’s description is slightly ambiguous.

V1421 Cyg (S 10033): the identity of S 10033 with V1421 Cyg is slightly unclear.

Detailed information of identifications, other catalog identifications are available from the VSNET archive (vsnet 1223–1233, 1248–1251, <http://www.kusastro.kyoto-u.ac.jp/vsnet/Mail/vsnet/msg01223.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.

Reference:

Hoffmeister, C., 1967, *Astron. Nach.*, **290**, 43

Table 1: Precise coordinates of variable stars

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
NSV 00016	00 ^h 05 ^m 05 ^s .43	+59°39′01″.6	U	CI Com	12 ^h 14 ^m 11 ^s .27	+14°01′49″.2	GM
NSV 00061	00 09 41.88	+63 30 22.7	U	DE Vir	12 15 59.30	+09 07 39.2	G
V633 Cas	00 11 25.97	+58 49 29.1	G	NSV 05617	12 26 08.69	+10 15 00.6	G
V408 Cas	00 13 14.51	+55 54 30.4	U	DH Vir	12 39 56.55	+06 04 44.9	G
V409 Cas	00 22 37.99	+57 26 37.6	G	DG Vir	12 39 59.57	+11 30 36.4	U
V410 Cas	00 23 27.64	+61 46 28.8	U	GN Vir	12 43 48.63	+10 36 07.5	G
NSV 00157	00 24 42.60	+63 50 08.9	GM	DI Vir	12 45 21.97	+08 45 30.9	U
V536 Cas	00 25 41.84	+56 42 51.1	U	NSV 07865	16 37 38.36	+08 37 21.3	GM
NSV 00167	00 27 34.07	+63 52 55.4	GM	V544 Her	16 38 05.38	+08 37 58.0	U
NSV 00169	00 28 15.60	+55 57 55.1	GM	NSV 07891	16 39 45.34	+09 16 37.3	G
NSV 00172	00 28 49.10	+62 28 36.3	GM	V547 Her	16 43 30.18	+07 50 47.3	GM
V411 Cas	00 30 11.27	+56 07 47.7	U	V549 Her	16 44 03.53	+12 11 38.4	U
V548 Cas	00 38 10.00	+62 53 45.7	U	V548 Her	16 44 06.51	+08 07 30.4	GM
NSV 00265	00 42 38.43	+56 54 04.5	G	V1057 Oph	17 01 06.77	+11 03 17.7	U
NSV 00267	00 43 36.26	+60 10 51.3	G	NSV 08286	17 11 56.55	+09 47 03.0	G
V447 Cas	00 43 43.81	+59 50 12.9	G	NSV 08436	17 16 00.00	+09 38 32.5	U
NZ Cas	00 43 48.41	+60 12 10.1	G	NSV 08503	17 18 43.56	+13 06 18.8	G
NSV 00309	00 49 40.20	+60 27 57.9	G	NSV 08550	17 20 50.61	+15 51 15.9	G
PU Per	02 42 16.16	+35 40 46.6	U	V550 Her	17 24 46.23	+16 42 26.3	U
PV Per	02 42 53.45	+38 04 03.4	U	V551 Her	17 27 46.73	+14 25 09.5	U
V399 Per	02 47 55.89	+36 22 40.2	G	V2074 Oph	17 28 12.49	+10 26 25.4	G
V448 Per	02 52 03.10	+38 28 45.6	G	V552 Her	17 30 11.84	+14 22 34.0	GM
PZ Per	02 52 25.83	+36 41 30.0	U	V553 Her	17 32 02.64	+16 47 51.1	G
V460 Per	03 22 31.31	+42 05 56.6	G	NSV 09195	17 34 59.09	+17 21 08.1	G
NSV 01497	04 11 42.34	+26 27 17.8	G	V554 Her	17 35 52.46	+16 03 10.0	U
IP Tau	04 24 57.06	+27 11 57.0	GM	V622 Her	17 38 36.46	+15 56 15.0	G
V651 Ori	05 32 46.46	+05 24 58.3	G	NSV 09500	17 40 30.40	+01 56 26.5	G
V365 Aur	05 36 06.97	+48 56 51.5	U	V1066 Oph	17 41 10.37	+00 40 51.0	U
LL Aur	05 36 08.49	+47 25 32.1	U	V1068 Oph	17 41 11.09	+12 25 41.0	G
V366 Aur	05 36 17.23	+48 59 29.7	U	V623 Her	17 43 15.84	+16 45 52.3	G
V660 Ori	05 38 29.26	+15 16 44.0	GM	NSV 09639	17 45 18.48	+17 15 32.7	G
PX Aur	05 43 27.79	+42 22 42.6	U	V557 Her	17 45 49.02	+15 07 18.2	G
V632 Ori	05 44 44.65	+09 23 18.5	U	V1072 Oph	17 46 07.64	+08 49 26.6	U
V662 Ori	05 45 46.44	+11 40 54.0	U	NSV 09696	17 47 31.57	+16 49 49.8	G
V665 Ori	05 51 07.91	+12 13 49.4	U	V558 Her	17 48 36.66	+14 36 56.0	U
V666 Ori	05 54 06.51	+17 56 18.3	U	NSV 09727	17 49 10.61	+08 44 58.9	G
LP Aur	05 57 25.46	+41 39 12.9	G	V1074 Oph	17 50 02.63	+12 35 35.1	U
V374 Aur	06 09 52.40	+44 30 55.2	U	V2077 Oph	17 50 07.92	+05 12 25.9	U
NSV 02848	06 09 54.80	+22 57 37.0	G	V1076 Oph	17 51 02.09	+06 27 39.3	U
OO Gem	06 11 47.91	+22 10 21.3	G	NSV 09781	17 51 48.95	+02 07 43.9	GM
V377 Aur	06 13 49.54	+44 17 03.5	G	NSV 09793	17 52 11.82	+04 54 38.8	G
LV Aur	06 18 08.37	+48 01 20.4	G	V562 Her	17 53 16.03	+16 17 02.3	U
V671 Ori	06 18 39.73	+21 02 35.1	U	V1079 Oph	17 54 03.48	+03 19 59.3	U
V672 Ori	06 19 52.65	+19 24 54.1	U	V2029 Oph	17 54 37.46	+06 13 50.3	U
V379 Aur	06 21 30.20	+41 51 01.0	U	NSV 09905	17 57 42.66	+02 31 19.5	G
LW Aur	06 25 22.23	+44 07 01.5	GM	V2082 Oph	17 57 59.54	+05 52 17.5	U
OP Gem	06 27 50.47	+17 00 29.8	G	NSV 09966	18 00 09.81	+01 44 40.4	G
KK Gem	06 30 47.37	+18 32 40.8	G	NSV 09995	18 01 24.02	+00 00 06.5	G
OQ Gem	06 38 39.20	+19 53 39.2	U	EP Ser	18 01 24.49	-00 00 50.8	U
KO Gem	06 42 00.66	+24 23 56.4	U	V1087 Oph	18 03 36.35	+03 04 18.6	U
OR Gem	06 44 47.55	+21 26 38.9	G	V2084 Oph	18 03 53.98	+02 37 24.1	U
KT Gem	06 45 21.20	+19 04 47.5	U	NSV 10129	18 03 54.80	+07 34 28.7	G
NSV 03212	06 47 59.96	+19 18 35.6	G	NSV 10202	18 06 05.39	+06 47 22.7	G
NSV 03882	08 03 18.19	-25 30 05.1	G	V1090 Oph	18 06 48.76	+07 53 34.3	U
NSV 03940	08 11 44.60	-24 44 37.2	GM	V1089 Oph	18 06 50.47	+04 01 53.6	GM

Table 1: cont.

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
NSV 10232	18 ^h 07 ^m 31 ^s .53	+04°15'32".2	G	V1149 Aql	19 ^h 41 ^m 59 ^s .04	+14°12'07".1	G
V1093 Oph	18 08 33.42	+00 10 02.2	U	V1281 Aql	19 43 19.21	-00 21 33.0	G
V1094 Oph	18 08 38.44	+00 08 55.2	G	V1155 Aql	19 44 49.87	+05 20 13.7	U
V673 Her	18 10 43.26	+33 18 06.1	U	V1156 Aql	19 45 05.18	+02 33 45.4	U
V675 Her	18 11 03.30	+36 29 16.0	U	V1157 Aql	19 46 10.33	+07 25 03.1	U
V668 Her	18 11 27.33	+32 57 57.1	U	FU Sge	19 46 14.78	+16 54 45.6	U
V1095 Oph	18 11 29.28	+05 48 10.2	U	FV Sge	19 46 35.02	+16 57 08.4	G
NSV 10387	18 13 15.12	+03 46 02.5	GM	V1158 Aql	19 47 47.42	-03 36 05.8	U
V1096 Oph	18 13 28.21	+03 58 57.4	U	V1322 Aql	19 47 59.30	+02 19 10.8	U
NSV 10426	18 14 46.91	-00 15 04.4	U	NSV 12424	19 48 55.62	-02 51 19.1	GM
AZ Ser	18 14 50.93	-00 13 16.7	G	V1159 Aql	19 49 25.73	+02 31 30.3	U
V335 Lyr	18 15 49.12	+35 27 49.6	G	V1160 Aql	19 49 59.57	+03 09 08.2	G
V1097 Oph	18 16 28.82	+02 36 01.7	G	NSV 12453	19 50 25.68	+03 26 00.5	G
V1098 Oph	18 16 40.08	+05 04 10.7	U	NSV 12461	19 50 34.00	+00 54 38.0	GM
V1101 Oph	18 17 37.36	+04 38 10.5	U	V1323 Aql	19 50 50.40	+01 32 45.9	U
V1102 Oph	18 17 41.70	+05 31 10.7	U	NSV 12468	19 51 05.93	-03 14 14.3	G
NSV 10539	18 18 18.30	-00 06 54.9	GM	NSV 12471	19 51 18.68	+00 25 50.1	GM
V466 Lyr	18 18 46.92	+32 04 05.8	G	FW Sge	19 51 41.17	+18 04 48.0	U
V1103 Oph	18 22 27.13	+11 12 46.3	U	HO Sge	19 51 58.67	+18 14 24.8	U
V1104 Oph	18 24 01.02	+07 23 08.9	U	KL Vul	19 53 25.56	+22 34 25.4	U
V2039 Oph	18 27 02.97	+07 20 21.9	U	V1163 Aql	19 53 48.65	-02 57 57.6	U
V336 Lyr	18 27 47.37	+33 02 24.2	UM	FX Sge	19 54 20.29	+18 46 39.3	U
V578 Her	18 28 39.02	+12 54 43.2	U	KM Vul	19 54 25.68	+21 13 52.8	G
V1105 Oph	18 29 13.70	+11 14 28.8	U	HP Sge	19 54 29.94	+18 25 57.2	U
V1106 Oph	18 30 23.37	+07 48 16.2	U	V1164 Aql	19 54 39.18	-01 43 27.3	G
EY Ser	18 30 49.81	+05 30 17.8	U	HQ Sge	19 55 00.76	+18 47 10.2	U
V1107 Oph	18 31 44.34	+07 53 15.2	U	V1166 Aql	19 55 53.35	+02 32 40.4	U
V1108 Oph	18 32 15.82	+06 43 21.1	U	FY Sge	19 56 11.03	+16 27 17.5	U
V2092 Oph	18 35 49.18	+10 11 24.1	U	V1170 Cyg	19 57 01.41	+30 43 48.0	U
V1110 Oph	18 36 03.00	+07 27 01.3	U	FZ Sge	19 57 14.35	+20 16 38.6	U
V2093 Oph	18 37 02.10	+07 20 02.8	U	KO Vul	19 57 15.66	+29 05 59.8	U
V1111 Oph	18 37 19.57	+10 25 33.1	U	V1167 Aql	19 57 28.60	+00 29 14.8	U
V579 Her	18 37 36.93	+13 09 55.4	U	GG Sge	19 59 54.32	+20 21 34.3	U
V1113 Oph	18 39 16.87	+08 39 42.5	U	V1169 Aql	20 00 08.96	-02 13 28.7	U
V465 Lyr	18 40 14.00	+35 49 26.2	G	NSV 12681	20 00 56.92	-02 48 51.4	GM
V1114 Oph	18 40 47.70	+08 49 19.9	U	V1170 Aql	20 01 11.94	+03 31 29.9	U
V1115 Oph	18 40 56.32	+09 46 56.0	U	V1171 Aql	20 01 24.04	+04 24 44.5	U
V2043 Oph	18 42 15.98	+10 33 58.5	U	V899 Aql	20 01 29.41	+04 25 36.3	G
V1116 Oph	18 42 17.13	+07 34 07.3	U	V1421 Cyg	20 01 48.08	+33 28 47.2	GM
V341 Lyr	18 42 54.85	+38 45 15.8	U	V1172 Aql	20 02 23.00	-00 32 08.9	U
V1117 Oph	18 43 15.37	+07 06 57.3	U	V1027 Cyg	20 02 27.37	+30 04 25.6	G
V1118 Oph	18 44 17.58	+11 18 17.7	U	GH Sge	20 02 56.80	+21 33 07.6	G
V2044 Oph	18 45 07.39	+09 02 43.5	GM	V1173 Aql	20 03 31.59	+02 14 19.5	U
NSV 11444	18 52 09.60	+09 37 42.6	U	V1174 Cyg	20 03 56.00	+31 15 40.3	G
V581 Her	18 53 13.75	+12 26 59.7	G	GI Sge	20 04 19.61	+20 46 34.1	U
V1121 Aql	19 19 12.71	+00 47 14.1	U	V1174 Aql	20 05 07.19	-04 24 27.7	G
V1123 Aql	19 19 52.38	+06 53 56.1	U	NSV 12769	20 05 08.43	-02 18 42.9	GM
NSV 11959	19 22 56.98	+01 30 46.9	GM	NSV 12770	20 05 17.59	-04 22 49.1	U
NSV 12039	19 27 19.45	+08 20 52.2	G	GK Sge	20 05 35.01	+16 49 29.4	U
V1237 Aql	19 28 46.86	+07 24 54.5	G	V1175 Aql	20 05 54.77	+02 17 15.9	U
V1251 Aql	19 32 13.04	+05 36 53.8	GM	V1364 Cyg	20 07 29.48	+35 20 46.8	G
V1255 Aql	19 33 39.00	+04 51 02.2	G	NSV 12811	20 07 43.89	-01 36 10.4	G
V1143 Aql	19 38 00.83	+13 50 35.7	U	GM Sge	20 07 46.81	+19 23 05.1	U
V1279 Aql	19 40 47.58	+02 29 28.7	GM	V1176 Aql	20 07 54.97	+03 00 56.6	U
V1148 Aql	19 41 41.10	+12 19 26.2	U	NSV 12826	20 08 39.05	+01 53 44.5	U

Table 1: cont.

Desig.	R.A.	Decl.	Cat.	Desig.	R.A.	Decl.	Cat.
NSV 12839	20 ^h 08 ^m 47 ^s .97	+33°07'12''.5	U	V1219 Cyg	20 ^h 54 ^m 07 ^s .41	+41°34'57''.7	U
V1423 Cyg	20 09 15.15	+35 12 39.3	G	V1542 Cyg	20 59 23.25	+47 44 42.8	G
NSV 12853	20 10 27.86	-02 09 25.2	GM	V1220 Cyg	21 00 07.63	+47 48 40.5	U
NSV 12870	20 10 46.25	+33 48 05.0	G	V1221 Cyg	21 01 02.84	+39 32 49.0	U
NSV 12886	20 11 42.63	+21 51 07.2	G	NSV 13506	21 04 05.86	+39 32 59.7	GM
V1177 Aql	20 11 46.37	-03 19 20.0	U	V1224 Cyg	21 04 40.30	+44 57 18.0	U
KQ Vul	20 12 00.05	+22 23 59.0	U	NSV 13520	21 05 07.62	+45 33 46.2	U
NSV 12889	20 12 00.12	+19 34 50.8	G	V1227 Cyg	21 08 26.81	+45 49 00.0	U
NSV 12893	20 12 38.05	+04 19 17.6	GM	V1231 Cyg	21 09 47.55	+46 16 08.4	U
NSV 12925	20 13 46.66	+28 22 13.5	GM	V1232 Cyg	21 11 23.81	+44 13 19.9	U
NSV 12928	20 13 56.24	+35 19 41.6	G	NSV 13599	21 12 27.37	+45 08 13.0	U
NSV 12936	20 14 19.96	+28 32 29.7	G	V1234 Cyg	21 12 49.50	+41 23 28.6	U
NSV 12950	20 15 41.68	+04 04 18.9	GM	NSV 13636	21 16 54.18	+41 33 56.3	U
GP Sge	20 15 49.40	+21 07 57.5	G	V1337 Cyg	21 24 28.39	+42 37 34.7	U
KS Vul	20 17 10.85	+24 21 07.1	U	V1242 Cyg	21 24 48.66	+45 00 55.0	U
GQ Sge	20 17 16.02	+16 21 47.6	GM	V1243 Cyg	21 25 43.95	+45 32 32.8	U
KT Vul	20 17 37.05	+26 33 43.8	U	NSV 14308	22 45 44.64	+50 46 34.8	U
V1178 Aql	20 18 10.85	-00 51 19.8	G	NSV 14341	22 52 32.55	+51 13 50.2	G
V1284 Aql	20 18 38.02	+02 16 16.5	GM	NSV 14357	22 54 13.99	+56 52 38.1	U
NSV 12988	20 18 59.49	+01 09 15.5	GM	NSV 14359	22 54 31.26	+57 25 59.4	G
NSV 12996	20 19 01.97	+13 21 14.0	U	HH Lac	22 56 32.05	+55 02 42.9	U
V1179 Aql	20 19 23.59	-01 21 02.6	U	GZ Lac	22 56 39.23	+53 48 26.7	U
KU Vul	20 19 37.93	+23 33 02.8	U	HI Lac	22 56 48.65	+53 47 47.7	U
KV Vul	20 20 15.90	+25 45 24.7	U	V356 Lac	22 56 51.40	+53 33 12.2	U
KW Vul	20 21 05.55	+27 59 58.6	U	V702 Cas	23 00 37.41	+54 39 42.3	U
KX Vul	20 22 58.85	+27 26 53.5	U	NSV 14393	23 01 50.43	+50 53 10.7	GM
V1180 Aql	20 24 18.18	+02 12 52.4	G	NSV 14414	23 03 53.22	+55 34 56.8	G
V1194 Cyg	20 24 31.69	+29 43 05.1	U	V426 Cas	23 05 47.74	+56 56 41.5	U
NSV 13070	20 24 50.08	+28 01 16.2	G	V430 Cas	23 15 39.04	+56 13 42.1	U
NSV 13078	20 25 35.33	+28 33 18.0	U	V431 Cas	23 19 21.99	+54 26 26.9	U
HI Del	20 25 57.67	+17 56 43.0	U	V484 Cas	23 21 14.66	+56 43 03.2	U
KY Vul	20 26 39.17	+28 45 20.4	U	NSV 14525	23 21 55.46	+48 57 46.1	U
KW Del	20 27 43.05	+19 16 50.0	G	FY And	23 23 28.65	+50 15 57.9	U
HL Del	20 29 21.91	+18 09 25.8	U	FZ And	23 25 34.99	+53 07 50.6	U
HK Del	20 29 22.19	+13 11 11.6	U	V564 Cas	23 27 07.63	+52 53 09.6	U
KZ Vul	20 30 06.55	+29 14 20.2	U	V434 Cas	23 28 55.46	+55 21 46.9	U
V1517 Cyg	20 30 54.95	+32 31 19.5	U	V435 Cas	23 31 23.39	+59 25 16.3	U
NSV 13132	20 32 11.94	+31 45 31.8	G	V438 Cas	23 36 00.10	+62 03 12.3	U
NSV 13134	20 32 21.04	+30 40 33.3	G	NSV 14645	23 37 38.63	+53 07 17.0	G
HN Del	20 33 45.14	+11 03 41.2	U	V440 Cas	23 38 04.82	+51 25 54.3	U
NSV 13157	20 34 39.89	+27 40 06.6	GM	V531 Cas	23 38 23.80	+61 54 20.9	G
NSV 13172	20 35 51.85	+32 57 14.0	G	V441 Cas	23 39 58.92	+63 20 55.1	GM
HO Del	20 36 55.49	+14 03 09.5	U	NSV 14662	23 40 28.29	+50 33 00.3	U
V1201 Cyg	20 38 58.62	+45 05 33.0	U	V443 Cas	23 41 37.88	+51 32 35.0	U
NSV 13231	20 41 04.91	+33 34 22.2	GM	V520 Cas	23 42 07.35	+55 54 37.8	G
HQ Del	20 41 26.38	+18 59 37.1	U	NSV 14688	23 44 16.08	+53 46 08.5	U
V1975 Cyg	20 43 50.48	+34 28 48.9	G	NSV 14710	23 48 30.56	+61 09 46.4	G
KY Del	20 43 57.83	+17 56 45.7	GM	NSV 14725	23 50 40.24	+60 28 54.4	GM
V1204 Cyg	20 44 10.83	+46 49 03.5	U	NSV 14732	23 52 11.06	+64 00 56.0	GM
KZ Del	20 44 38.94	+15 18 47.4	G	NSV 14734	23 52 15.82	+54 38 44.7	GM
LL Del	20 45 18.43	+15 15 57.9	G	NSV 14740	23 53 10.08	+59 37 47.3	GM
V1662 Cyg	20 51 00.85	+43 08 23.9	GM	V444 Cas	23 54 05.17	+56 56 11.2	U
HS Del	20 53 24.308	+17 10 23.2	U	NSV 14778	23 57 45.76	+56 06 20.2	G