

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

Number 4543

Konkoly Observatory
Budapest
5 January 1998

HU ISSN 0374 – 0676

ACCURATE COORDINATES FOR VARIABLE STARS

G. V. WILLIAMS

Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.,
e-mail: gwilliams@cfa.harvard.edu

Twenty-two new variables were reported recently by Magnan *et al.* (1997). Examination of the B1950.0 coordinates listed therein show that two of the objects are in fact listed in the *New Catalogue of Suspected Variable Stars* (Kholopov, 1982). Object 4 is NSV 13792 (Geyer and Giesecking, 1975, hereafter GG) and object 13 is NSV 13792 (Wisniewski and Coyne, 1976, hereafter WC).

Accurate coordinates for these two objects, as well as the other variable stars listed in GG and WC are given in Tables 1 and 2, respectively. The methods used in determining these coordinates has already been described (e.g., Skiff and Williams, 1997), but for convenience the sources for the positions (labeled ‘s’ in the tables) are ‘U’ for positions extracted from the USNO-A1.0 catalogue and ‘D’ for measurements from the Digital Sky Survey using USNO-A1.0 comparison stars (Monet *et al.*, 1994; Monet *et al.*, 1996).

Table 1. *IBVS* No. 967

Name	NSV	α_{2000}	δ_{2000}	s	GSC	Note
1	NSV 13714	21 25 52.57	+62 22 32.6	U		
2	NSV 13732	21 27 40.12	+56 00 43.7	U		
3	NSV 13792	21 34 09.60	+55 35 16.3	D	3971-00499	1
4	NSV 13796	21 34 54.61	+55 56 32.3	U	3971-01155	2
5	NSV 13818	21 38 08.65	+61 31 00.7	U	4249-02167	
6	NSV 13895	21 50 17.48	+57 38 03.3	U		3
7		21 58 04.72	+60 22 33.8	U	4262-01126	
8	NSV 14007	22 02 27.68	+61 55 43.8	U		
9	NSV 14061	22 08 15.38	+61 45 24.1	U		

Table 2: *Vatican Obs. Publ.*, **1**, No. 11

Name	GCVS/NSV	α_{2000}	δ_{2000}	s	GSC	Note
VES 330	V750 Cyg	20 49 21.25	+50 31 51.2	U		4
VES 339	RZ Cyg	20 51 53.21	+47 21 20.9	U	3579-03803	
VES 340	NSV 13383	20 52 44.25	+49 52 05.5	U		
VES 341	NSV 13386	20 52 47.81	+53 02 29.9	U	3951-02189	5
VES 370	V579 Cyg	21 10 48.41	+44 10 45.8	U	3181-05031	6
VES 372	V581 Cyg	21 11 12.19	+44 32 33.9	U	3181-05019	
VES 394	V597 Cyg	21 22 01.50	+42 50 51.3	U	3190-00194	
VES 399	V604 Cyg	21 23 49.61	+42 48 05.0	U	3190-00987	

Notes:

1. Companion at end-figures 08^s95/10^{''}8 (D).
2. $\alpha_{1950} = 20^{\text{h}}51^{\text{m}}18^{\text{s}}.79$, $\delta_{1950} = +52^{\circ}51'06''.2$; = object 4 of Magnan *et al.* (1997).
3. Companion at end-figures 16^s89/02^{''}8 (U).
4. Identification confirmed by comparison with Wenzel (1953).
5. $\alpha_{1950} = 21^{\text{h}}32^{\text{m}}33^{\text{s}}.87$, $\delta_{1950} = +55^{\circ}21'52''.3$; = object 13 of Magnan *et al.* (1997).
6. Identification confirmed by comparison with *Astr. Abh. AN* **12**, 1/*MVS* 309.

References:

- Geyer, E. H., and Gieseeking, F., 1975, *IBVS*, No. 967
- Kholopov, P. N., ed., 1982, *New Catalogue of Suspected Variable Stars*, Moscow
- Magnan, C., Melikian, N. D., and Karapetian, A. A., 1997, *IBVS*, No. 4527
- Monet, D., Canzian, B., and Henden, A., 1994, *Bull. Amer. Astr. Soc.*, **26**, 1314 (abstract); see also <http://www.usno.navy.mil/pmm>
- Monet, D. G., *et al.*, 1996, "USNO-A V1.0", U.S. Naval Observatory, Washington DC; see also <http://www.usno.navy.mil/pmm>
- Skiff, B. A., and Williams, G. V., 1997, Identification of Dahlmak Variables: II. *Inf. Bull. Var. Stars*, No. 4449
- Wenzel, W., 1953, *AN* **281**, 179
- Wisniewski, W., and Coyne, G. V., 1976, A Survey for H α Emission Objects in the Milky Way IV. Cygnus, *Vatican Obs. Publ.*, **1**, No. 11.

ERRATUM [FROM IBVS 4596]

When checking the data published in the IBVS No. 4543 issue for updating and supplementing the variable star catalogs, several incorrect and confusing statements have been found.

The last sentence of the first paragraph should read as follows:

Object 4 is NGC 13386 (Wisniewski and Coyne, 1976, hereafter WC) and object 13 is NSV 13792 (Geyer and Giesecking, 1975, hereafter GG).

In Table 1, Note 2 should be in the SAME line with Note 1 (both belong to NSV 13792).

On page 2, the contents of Note 5 and Note 2 are interchanged.

G.I. MEDVEDEVA and N.N. SAMUS

Institute of Astronomy

Russian Academy of Sciences

Pyatnitskaya 48

109017 Moscow

Russia

e-mail: samus@sai.msu.su