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IMPROVED POSITIONS OF DWARF NOVAE

One of the first problems that any investigator of variable stars has to deal with is the inaccuracy of the coordinates of the object under consideration.

A brief search through the literature shows that the astrometric papers related to variable stars are rather scarce. In order to provide accurate positions for variable stars, the plate collection of the observatory has been searched and some results are herein presented.

Table I gives accurate coordinates for 32 dwarf novae for which the finder charts have been taken from Vogt and Bateson (1982). The reference stars were taken from the SAOC given an average mean error of  $\pm 0''.74$  in RA and  $\pm 0''.50$  in DEC. For those objects south of  $-60^\circ$  Yale Transactions Vol 31 and 32 Part II were used as a source for the calibration stars; in this case the average mean error is  $\pm 0''.77$  in RA and  $\pm 0''.48$  in DEC.

The first column of Table I gives the object; the second and third the RA and DEC for 1950.0; the fourth and fifth columns list the differences in RA and DEC with the positions quoted in the Special Supplement to the Third Edition of the GCVS in the sense GCVS minus this note.

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Reference:

Vogt, N. and Bateson, F.M. (1982). *Astron. Astrophys. Suppl.*  
Ser. 48, 383

TABLE I

OBJECT	RA (1950.0)			DEC			$\Delta$ RA	$\Delta$ DEC
	h	m	s	°	'	"		
UY Phe	01	20	58.73	-42	34	12.8	+ 0.27	+11.2
WX Hyi	02	08	29.42	-63	32	47.8	- 1.42	-18.2
VW Hyi	04	09	32.98	-71	25	27.2	- 2.98	+ 3.2
AQ Eri	05	03	43.95	-04	12	03.6	- 0.05	+ 3.6
BI Ori	05	21	16.94	+00	57	48.5	+ 0.06	+ 0.5
CW Mon	06	34	20.72	+00	04	52.9	+ 0.28	+ 7.1
WZ CMa	07	16	47.71	-27	02	09.7	+ 0.29	+ 3.7
BV Pup	07	46	57.45	-23	26	25.2	+ 0.55	+ 1.2
Z Cha	08	08	49.63	-76	23	09.0	-11.63	-21.0
BB Vel	08	35	11.61	-47	12	06.2	+ 0.39	-11.8
CU Vel	08	56	44.57	-41	36	09.8	- 7.57	-14.2
V436 Cen	11	11	36.87	-37	24	26.3	- 1.87	+ 2.3
T Leo	11	35	52.77	+03	38	45.4	+ 0.23	+ 8.6
MU Cen	12	10	16.80	-44	11	34.3	+ 1.20	+34.3
V373 Cen	12	23	23.91	-45	32	58.8	- 2.90	- 1.2
EX Hya	12	49	42.38	-28	58	38.2	+ 0.38	-33.8
BV Cen	13	28	09.54	-54	43	05.9	+ 0.46	+ 5.9
EK TrA	15	09	40.88	-64	54	31.0	- 0.88	-35.0
HP Nor	16	16	55.51	-54	46	13.9	- 3.51	+61.9
IK Nor	16	21	27.10	-55	13	12.1	+ 0.90	- 5.9
V422 Ara	16	54	45.78	-61	38	59.2	+ 0.22	+11.2
CSV 7612 *	17	12	01.35	-65	29	42.6	- 5.35	+12.6
BF Ara	17	34	35.87	-47	08	58.6	-10.87	- 1.4
UZ Ser	18	08	33.31	-14	56	17.6	- 0.31	- 0.4
DP Pav	18	21	24.14	-64	59	22.8	- 0.14	- 1.2
V800 Aql	18	54	10.98	+10	44	42.9	- 0.98	-18.9
UU Aql	19	54	35.23	-09	27	26.4	+ 0.77	+ 8.4
V794 Aql	20	14	56.51	-03	49	11.7	- 1.51	+ 5.7
TU Ind	20	29	43.09	-45	36	15.9	- 1.09	-20.1
VY Aqr	21	09	28.38	-09	01	57.7	+ 0.62	- 8.3
VZ Aqr	21	27	48.59	-03	12	29.7	- 0.59	- 0.3
AN Gru	23	05	04.51	-47	41	53.8	- 0.51	+41.8

\*Numbered 8383 in the New Catalogue of Suspected Variables