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TIMES OF MINIMA OF ECLIPSING BINARY SYSTEMS
DO Cas, V1143 Cyg, GO Cyg, AND VW Cep

DARIUSH, A.; ZABIHINPOOR, S. M.; BAGHERI, M. R.; JAFARZADEH, SH.; MOSLEH, M.;
RIAZI, N.

Physics Department and Biruni Observatory, Shiraz University, Shiraz 71454, Iran; e-mail: riaz@physics.susc.ac.ir

Observatory and telescope:
The photometric observations were made in B and V bands of Johnson's system with the 20" Cassegrainian telescope of Biruni Observatory at Shiraz University, Shiraz, Iran (Longitude: 52°31' E, Latitude: 29°36' N).

Detector:	Unrefrigerated RCA4509 multiplier phototube.
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Method of data reduction:
Reduction of data and atmospheric corrections were done using the REDWIP code developed by G. P. McCook.

Method of minimum determination:
Times of minima were calculated by fitting a Lorentzian function to the observed minima data points.

Observed star(s):								
Star name	GCVS type	Coordinates (J2000)		Comp. star	Ephemeris		Source	
		RA	Dec		E 2400000+	P [day]		
DO Cas	EB	02 41 24	+60 33 11	HD 16088	33926.4573	0.6846661	1	
V1143 Cyg	EA	19 38 41	+54 58 25	HD 185978	47087.5669	7.64075095	2	
GO Cyg	EB	20 37 20	+35 26 10	HD 197292	33930.40561	0.71776382	3	
VW Cep	EW	20 37 21	+75 36 01	HD 200039	51067.2820	0.2783140	4	

Source(s) of the ephemeris:
1. Sky catalogue 2000.0
2. Burns et al. (1996)
3. Hall and Louth (1990)
4. Pribulla et al. (2000)

Times of minima:						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
DO Cas	51910.24100	0.00230	II	B, V	-0.0015	
	51911.26098	0.00034	I	B, V	-0.0054	
	51912.28892	0.00110	II	B, V	-0.0044	
V1143 Cyg	52474.29443	0.00090	I	B, V	-0.0018	
	52472.30445	0.00382	II	B, V	-0.0007	
GO Cyg	52518.39534	0.00045	I	B, V	0.0600	
	52530.2414	0.0012	II	B, V	0.0630	
	52553.2102	0.0013	II	B, V	0.0633	
	52577.2540	0.0092	I	B, V	0.0621	
VW Cep	52529.25294	0.00031	I	B, V	-0.0125	
	52529.39839	0.00037	II	B, V	-0.0062	

References:

- Burns, J. F., Guinan, E. F., and Marshall, J. J., 1996, *IBVS*, 4363
Hall, D.S. and Louth, H., 1990, *J. A&A*, **11**, 271
Hirshfeld, A. and Sinnott, R. W., *Sky Catalogue 2000.0*, 1985, Cambridge Univ. Press
and Sky Publishing Corp., U.S.A.
Pribulla, T., Parimucha, S., and Vanko, M., 2000, *IBVS*, 4847