

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS
Number 4783

Konkoly Observatory
Budapest
2 November 1999
HU ISSN 0374 – 0676

NSV 09100 IS A SHORT PERIOD VARIABLE IN OPHIUCHUS

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Name of the object:	
NSV 09100, HV 10963, CSV 003244, GSC 992:1096	
Equatorial coordinates:	Equinox:
R.A. = 17 ^h 31 ^m 35 ^s DEC. = +08°09′13″	2000.0
Observatory and telescope:	
Esteve Duran Observatory, 0.6-m Cassegrain telescope; Extremadura University Observatory, 0.4-m Newton telescope	
Detector:	CCD
Filter(s):	V
Comparison star(s):	GSC 992:972
Check star(s):	GSC 992:1077, GSC 992:987, GSC 992:911
Transformed to a standard system:	No
Availability of the data:	
Upon request	
Type of variability:	RRc:
Remarks:	
PNSV 09100 was first announced as a variable star by Hughes-Boyce and Huruhata (1942), who indicated that this object was an RR Lyr with a photographic magnitude variation between 13.8 and 14.3. Our observations show that NSV 09100 is a short period variable with a very symmetric light curve, probably of the RRc type, although we do not exclude the possibility of this object being a binary system. The amplitude is 0.40 magnitudes in the V band. The following ephemeris has been computed:	
$\text{Max. JD} = 2451290.98(\pm 0.03) + 0^{\text{d}}34196(\pm 0.00006) \times E.$	

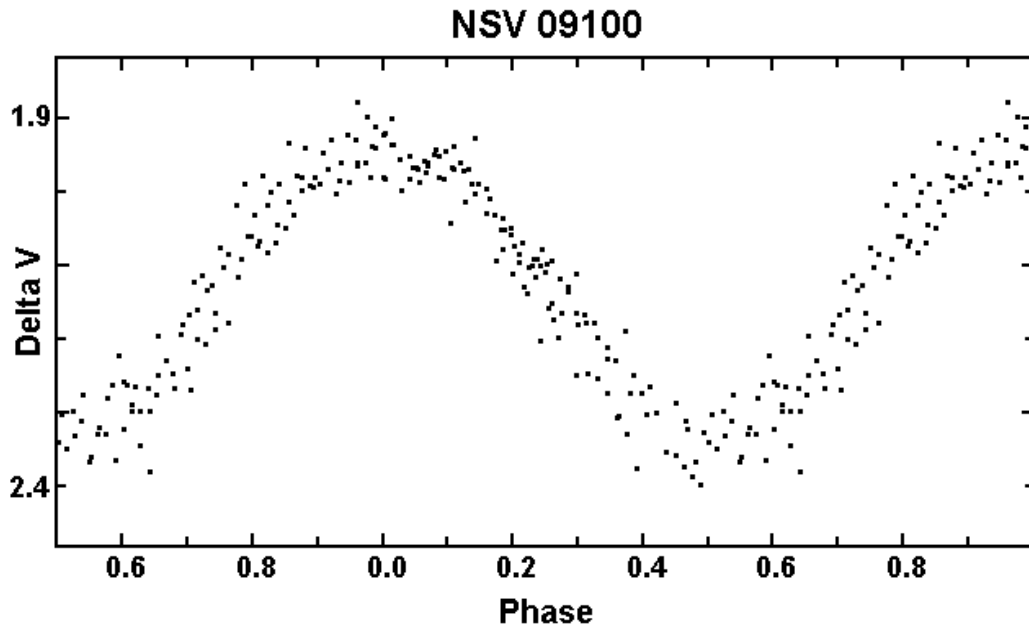


Figure 1.

Reference:

Hughes-Boyce, E., Huruata, M., 1942, HA, 109, No. 4