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**NSV 08513, A NEW DETACHED
ECLIPSING BINARY STAR IN OPHIUCHUS**

According to Kholopov (1982), the variability of NSV 08513 (BD $-00^{\circ}3264$, BV 0167, CSV 007634, GSC 5066.0280) was announced by Strohmeier et al. (1957), who indicated that this object underwent fast light changes between photographic magnitudes 10^m7 and 11^m4 , without specifying the type of variability. In the Guide Star Catalogue, NSV 08513 is a star with a photographic magnitude of 10.75 ± 0.28 . This magnitude value was determined from photographic plates taken with the U.K. SERC Schmidt Telescope using a GG395 filter and a IIIaJ photographic emulsion. The spectral information recorded in the NSV catalogue indicates that the spectral type of NSV 08513 is A1.

To confirm its variability, NSV 08513 was observed in the V band for 24 nights, from 14 June to 13 September 1996, using a CCD camera attached to a 0.2-m telescope from Zaragoza and Morata de Jalon (Spain). GSC 5066.0580 and GSC 5066.0188 were used as comparison and check stars respectively. Photometric reductions suggest that the check star might be slightly variable. It is planned to monitor this object in the near future to check its variability.

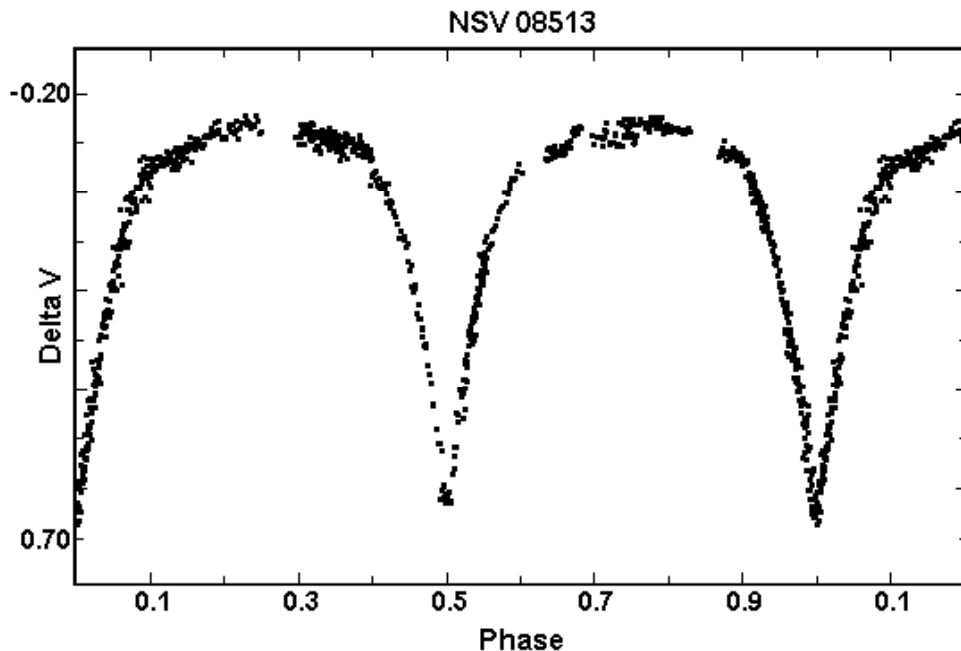


Figure 1

Observations show that NSV 08513 is a detached eclipsing binary star with a period close to 1.8 days (see Figure 1). The depth of the primary minimum in the V band is $0^m77 \pm 0^m02$. The secondary minimum is about 0.02 magnitudes shallower (Figure 1). The following ephemeris has been computed:

$$\text{Min. I} = \text{HJD } 2450265.4518 + 1^d7631 \times E \\ \pm 0.0010 \pm 0.0005$$

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