

### OBSERVATIONS OF NSV 13191

According to the New Catalogue of Suspected Variable Stars (Kholopov, 1982), NSV 13191 (SVS 651, CSV 007899, S 07409, GSC 1088.0993) is an RR Lyrae variable star with a photographic magnitude variation range between 12.4 and 13.6.

From July 24 to July 29, 1995, the star was observed for 6 nights in the V band, using a Starlight Xpress CCD camera attached to the Newton focus of the 0.41-m telescope at Observatorio de Mollet (Spain). GSC 1088.1164 was used as the comparison star, and GSC 1088.0612 and GSC 1088.0072 as check stars (see Figure 1).

These observations show that NSV 13191 is in fact an RR Lyrae star with an asymmetric light curve ( $(M - m) / P = 0.1$ ), an amplitude in the V band of 1.0 magnitudes, and a period close to 14 hours (Figure 2). We derive the following ephemeris for the maximum:

$$\text{Max.} = \text{HJD } 2449924.5455 + 0^{\text{d}}5818 \times E \\ \pm 15 \qquad \pm 5$$

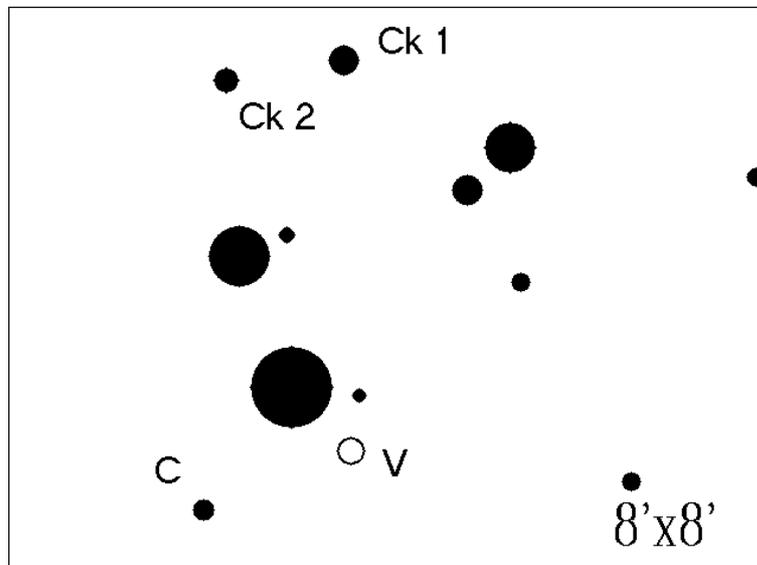


Figure 1. C=Comparison star, Ck1 and Ck2=Check stars, V=NSV 13191.  
North is on top.

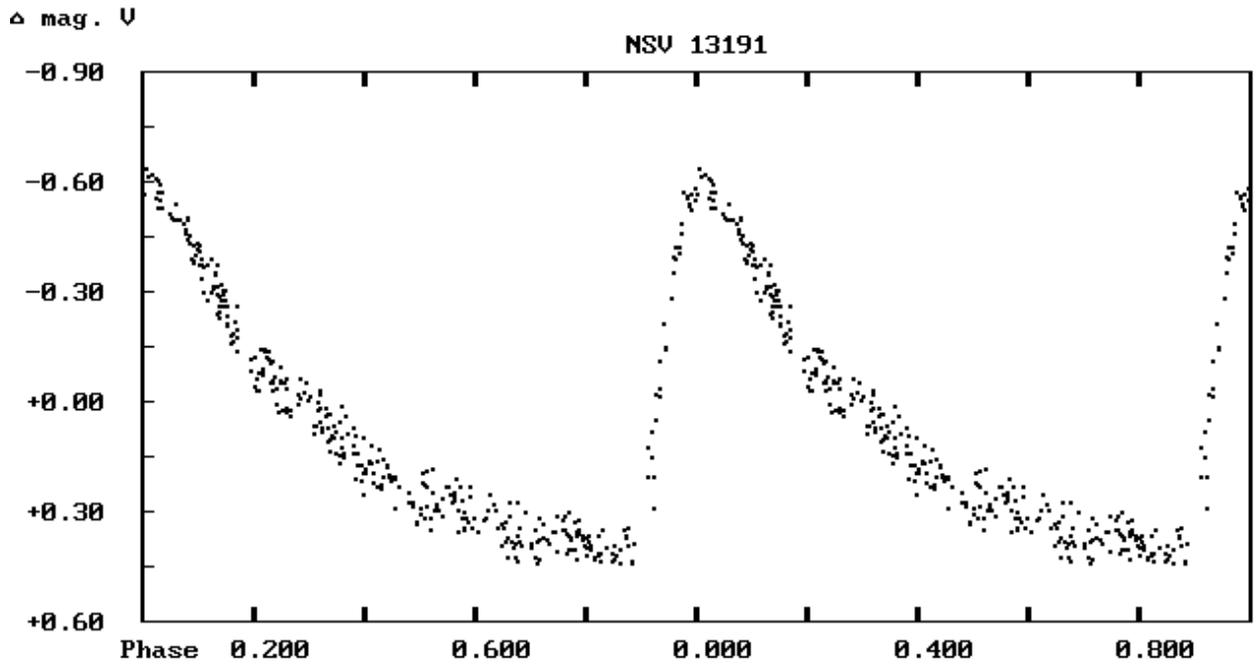


Figure 2

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Reference:

Kholopov, P. N., editor, 1982, New Catalogue of Suspected Variable Stars,  
"Nauka", Moscow