

NSV 08156, A POSSIBLE SEMIREGULAR VARIABLE IN HERCULES

NSV 08156 (BD+39°3076, CSV 007585, BV 0280, GSC 3072.1250) was announced as a variable star by Strohmeier and Knigge (1959), who indicated that it presented rapid variations between the 11.2 and 11.8 photographic magnitudes. Its spectrum is K0 and the Guide Star Catalog records this star with photovisual magnitude of 10.07 ± 0.40 (PAL-V1 filter).

The star was observed for 30 nights in the V band between 26 May and 1 December 1996 from Els Hostalets de Pierola Observatory (Spain), with a CCD camera attached to a 0.4-m telescope. Some observations with the 0.4-m Schmidt-Cassegrain telescope at Piera Observatory (Spain) were also carried out. As comparison star GSC 3072.1543 was used.

During the observation interval NSV 08156 varied with an amplitude of 0.78 magnitudes in V showing successive maxima and minima (Figure 1). An analysis of the data suggests that it could be a semiregular star with a cycle of about 42 days. Nevertheless, more observations are necessary to confirm this preliminary result.

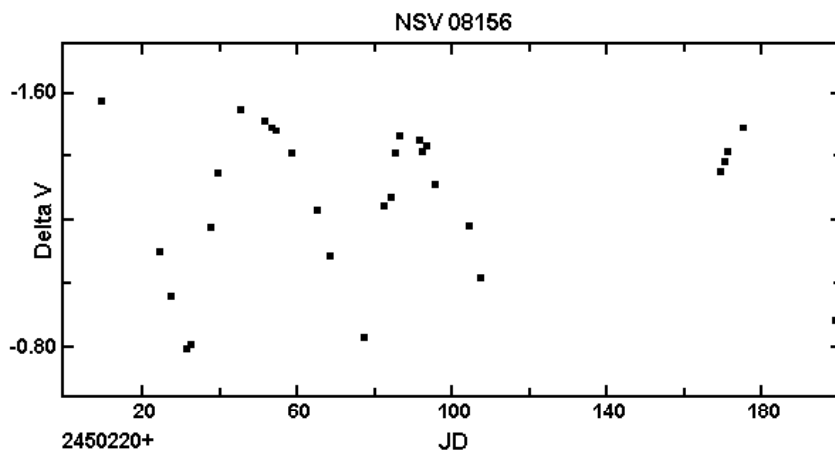


Figure 1

J. JUAN-SAMSO
J. GUARRO-FLO
Grup d'Estudis Astronòmics
Apartado 9481
08080 Barcelona
Spain
e-mail: gea@astro.gea.cesca.es

Reference:

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