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FIRST PHOTOMETRIC OBSERVATIONS OF V357 PEGASI

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Name of the object:
V357 Peg = BD +24°4828 = HIP 117185 = HD 222994

Equatorial coordinates:	**Equinox:**
R.A.= $23^h45^m35^s.06$ **DEC.**= $+25°28'18''.9$	2000

Observatory and telescope:
Ege University Observatory, 48-cm Cassegrain telescope

Detector:	Hamamatsu, R 4457 (PMT)

Filter(s):	Johnson B, V and R

Comparison star(s):	BD +25°5001 = TYC 2254-01880-1

Check star(s):	BD +23°4795 = HD 222633

Transformed to a standard system:	No

Availability of the data:
Upon request

Type of variability:	EW

Remarks:

V357 Peg is EW type eclipsing binary system which was discovered by HIPPARCOS (ESA, 1997). The mean orbital period derived by HIPPARCOS from the light curve fit is $0^d.578452$ and the epoch is given as JD 2448500.3159 (ESA, 1997). Spectral type of the system is given as F5. V357 Peg was observed in 13 October, 6, 27, 30 November and 1 December 1999 at the Ege University Observatory. It can be seen from Figure 1 that the maxima of all light curves seem to be of equal magnitudes and they seem symmetrical. Like almost all W UMa systems, there are irregular light variations over all phases in the light curves but no significant scattering are seen in minima. Our light curves show that the secondary minima of the system are deeper than the primary minima. Three primary and one secondary minima were obtained during the observations. These minima were given among the other systems' minima in Keskin et al. (2000). The new computed period and epoch were also given.

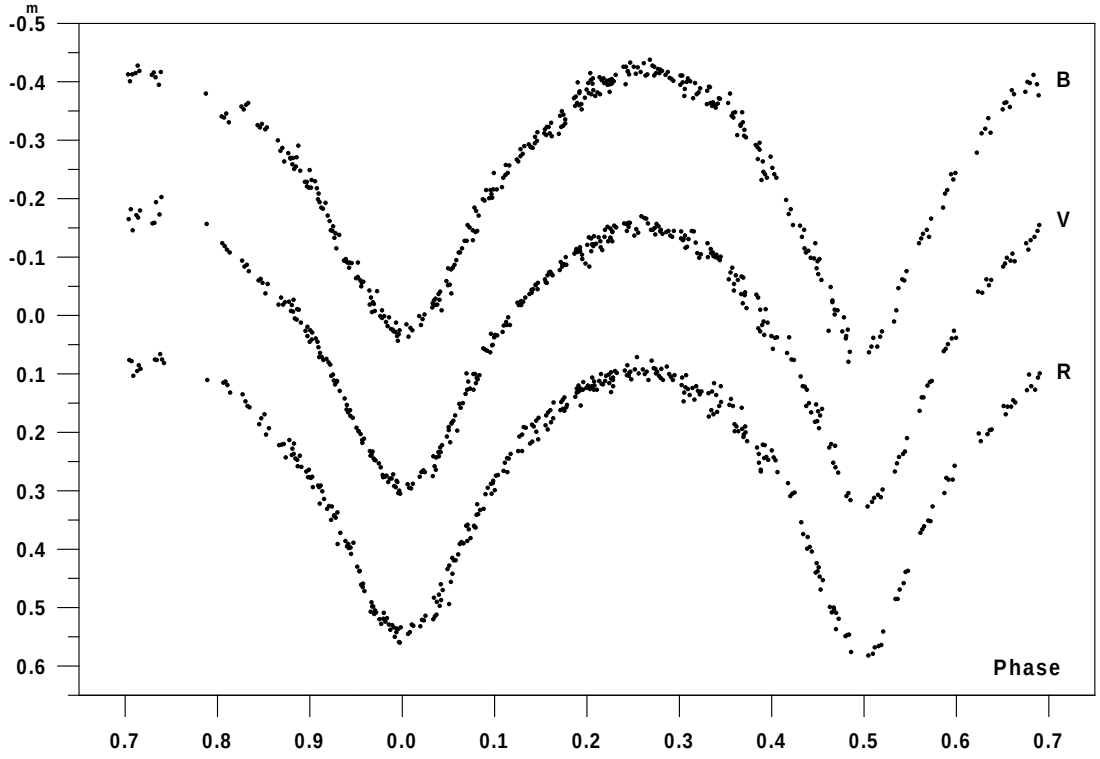

Figure 1.

References:

ESA, 1998, The Hipparcos & Tycho Catalogues, SP–1270
Keskin, V., Yaşarsoy, B., Sipahi, E., 2000, *IBVS*, No. 4855

Erratum

See IBVS 5282.

The Editors