

COMMISSION 27 OF THE I. A. U.  
INFORMATION BULLETIN ON VARIABLE STARS  
Number 1558

Konkoly Observatory  
Budapest  
1979 February 26

SMALL VARIATIONS IN BRIGHTNESS OF NOVA CYGNI 1975

Photoelectric observations of Nova Cygni 1975 were carried out from September 25 till October 7, 1975. During every observational night, the observations were going on for several hours in order to be able to detect any variation in Nova's brightness, which usually appeared during the transition phase (McLaughlin, 1960). In the case of Nova Cygni 1975 the transition phase coincides with the interval from about September the 9th to early October (Lockwood and Millis, 1976).

The 63cm Newall refractor of Pentelis Astronomical Station was used, together with the two beam, multi-mode, nebular stellar photometer (Goudis and Meaburn, 1973) of the National Observatory of Athens. The filters used - B and V are in close accordance with the standard ones. The observations have been reduced using Hardie's method (1962) and the standard error was found to be  $\pm 0^m.01$  in V and  $\pm 0^m.02$  in B.

Figures 1-3 show the short duration and small amplitude detected variations in Nova's brightness.

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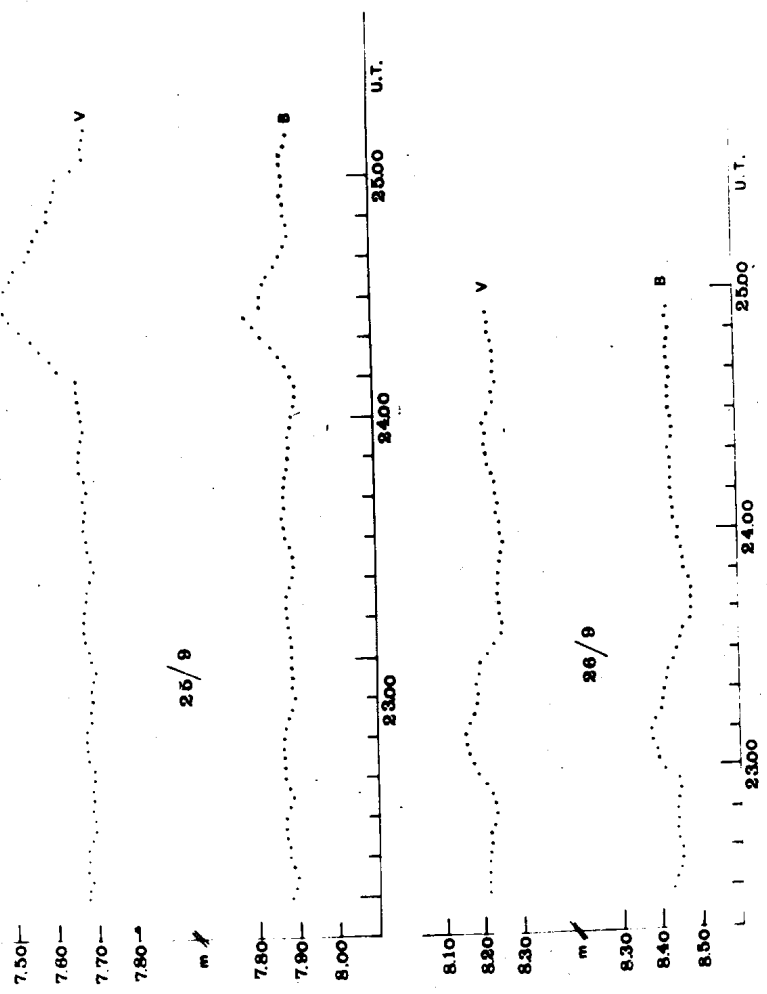


Figure 1

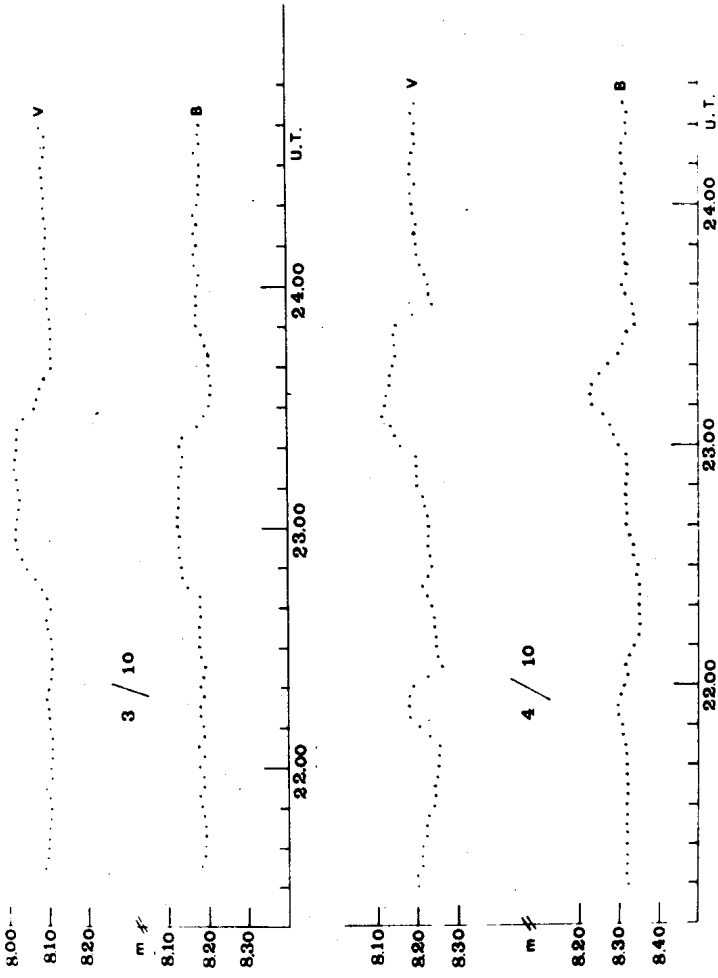


Figure 2

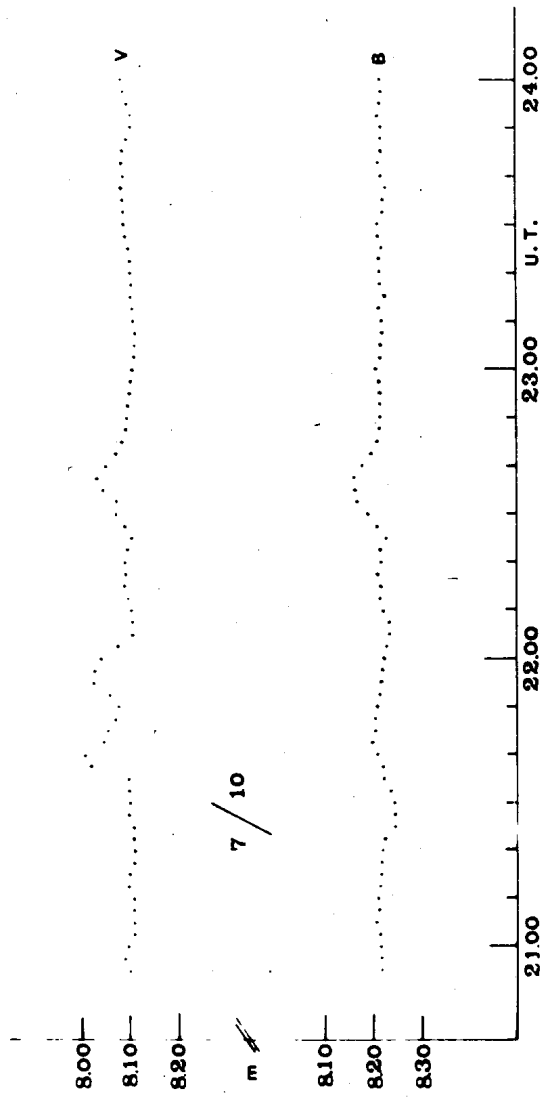


Figure 3