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SHORT PERIOD VARIABILITY OF NOVA CYGNI 1975

Short period variability of Nova Cygni 1975 was reported by Tempesti (1975a,b) and Koch and Ambruster (1975a,b).

Nova Cygni was monitored photoelectrically for about 3 hours in B and V on September 8 and for about 6 hours in V on September 18, 1975. The observations were carried out with the aid of the 60 cm reflector of the Ostrowik station of the Warsaw University Observatory. The star BD +47°3322 was used as the comparison on the first date and BD +47°3340 on the second date.

The differences ΔV and ΔB (in instrumental system) between the Nova and the corresponding comparison star are plotted in Figure 1. Full dots in Figure 1 denote yellow observations, the open circles correspond to blue observations. The amplitude of light variations was about 0.16 mag. in blue and 0.14 mag. in yellow on September 8 and 0.06 mag. in yellow on September 18.

The times of minima determined on basis of the present observations are JD₀ 2442664.302, 2442674.308 and 2442674.453 and the times of maxima are 2442664.359 and 2442674.359.

Figure 2 shows O-C diagram obtained on basis of the present times of minima and maxima and those given by Koch and Ambruster (1975a,b). The times of minima in the Figure 2 are marked with full dots, the times of maxima with open circles. The O-C residuals were calculated with the preliminary ephemeris $\text{Min} = 2442664.302 + 0.141\text{OE}$, $\text{Max} = 2442664.359 + 0.141\text{OE}$.

The O-C diagram seems to indicate change of period.

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