

TWO NEW VARIABLES (MIRAS?) IN OPHIUCHI

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ABSTRACT. Two new variables, possible Mira-type stars, are discovered in Ophiuchi constellation in 1995 year.

Key words: Stars: Mira

Observations

During the monitoring of the X-ray Nova Oph 1993 = V 2293 Oph ($\alpha = 17^h 16^m$, $\delta = -24^\circ 58'$, Eq. 1950), two new variable stars were discovered. The first variable is localized at 2 arc minutes to the west (star "a") and the second one – at 2.5 arcminutes to the north (star "b") from Nova Oph. Observations have been carried out at TV complex MTM-500 of the Crimean astrophysical observatory in 1995-1996 years. The rough brightness estimates were made in R and V standard colour system using the secondary

photometric standards around RT Ser (Bochkov et al., 1994). They are given in Table 1.

Table 1. V and R magnitudes for two new variables.

JD	V ("a")	R ("a")	V ("b")	R ("b")
2449981.23	17.5	12	> 19	16 :
2450213.43	18.5 :	12.5	18 :	11
2450220.49	19 :	13	> 19	11
2450274.33	> 19	16.5	> 19	13

The large amplitude of brightness variations in R, very red colours together with space localisation of variables define that variables could be the Mira-type stars.

References

Bochkov V.V., Pavlenko E.P., Vasiljanovskaya O.P.: 1994, *Odessa Astron. Publ.*, **7**, 98.