

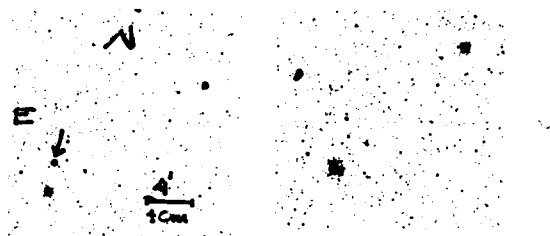
COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 975

Konkoly Observatory
Budapest
1975 March 13

A FLARE STAR IN LUPUS

On the plate taken by Hidajat (1969) we have noted a conspicuous bright stellar image that does not appear on the plate taken 15 minutes later. The finding charts presented here are the reproductions from the direct V plates (exp. times 10^m) taken with the Bosscha Schmidt Telescope. The discovery plate (left) was made on JD 2440800.03 (August 1, 1970). The arrow identifies the object. The position of the object, estimated from SAO stars, is R.A. = $15^h05^m.7$; Dec. = $-48^\circ46'$ (1975), located north of the bright star HD 133592.

A check on our deep red spectral plate (103aE+RG1, exp. time 60^m) shows a faint object in the position of the afore-mentioned stellar image. This plate was secured on June 12-13, 1969. Unfortunately, no plates taken immediately prior to August 1, 1970 is available at our Observatory. As can be estimated from the 2 plates, taken on August 1, 1970, the object has changed its brightness by 4 magnitudes within 15 minutes. To the best of our knowledge, no flare star in that position has been reported.



S. SURYADI
Bosscha Observatory
Lembang, Java
Indonesia.

Reference:

B. Hidajat, 1969, Inf. Bull. for the Southern Hem., 14, 19