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OPTICAL BEHAVIOUR OF THE POLAR AM Her IN 1987

In linking to the sequence of comparison stars given by Hudec and Meiningner (1977) the star was measured and inspected on 89 blue-sensitive plates (ORWO-ZU 21+GG 13+BG 12) from 30 nights taken with the 50/70/172 cm Schmidt camera of Sonneberg Observatory covering the time interval between 1 February and 9 December 1987. The individual observations will be published in MVS, Sonneberg.

The annual light curve in B is given in Figure 1. There, all of the observations are in the high state which is caused by X-ray heating. The mean brightness amounts to $B = 13.94$.

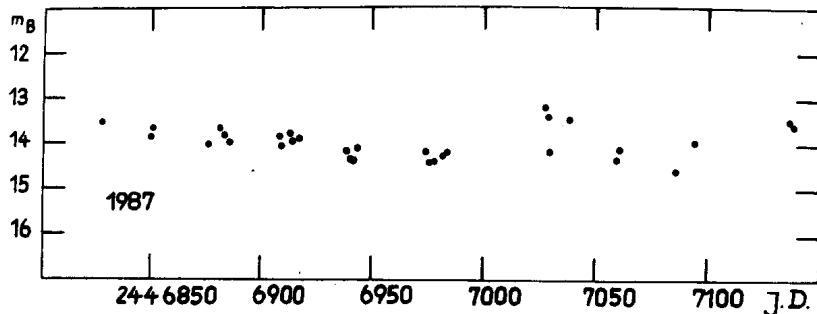


Figure 1

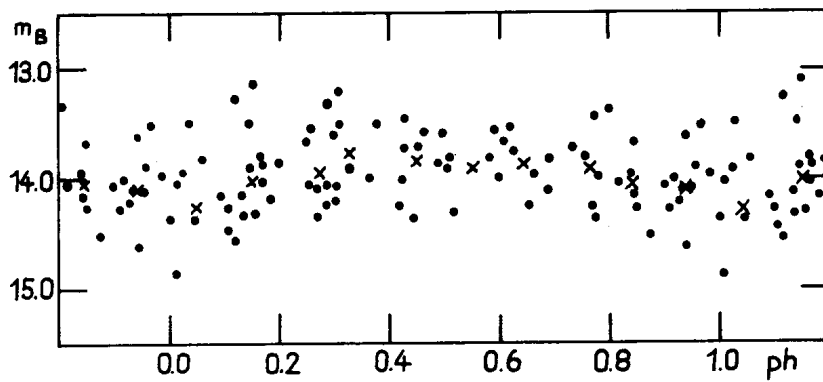


Figure 2

Figure 2 shows the occultation light changes superimposed on the long-time behaviour of the star in agreement with the improved elements and the occultation light curve in B given by Götz (1984).

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References:

- Hudec, R., Meinunger, L., 1977, MVS 7, 194.
Götz, W., 1984, IBVS, No. 2649.