

AM HER IN THE LOW STATE (SEPTEMBER, 1990)

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ABSTRACT. *The paper reports the results of spectral and photometrical observations of AM Her obtained on September 17 1990. The star was investigated using the scans obtained with the TV-scanner of the 6 m telescope within the range 3600-5100 AA with a spectral resolution of ~4 A. UBVR photometry was obtained with the Nasmyth photometer installed in the secondary focus (NI). Parallel spectral observations of the system were carried out with the TV-scanner. That night AM Her was observed in the filter $v=15^{\circ}.013 \pm 0^{\circ}.021$, i.e. at the low state. Using the absorption spectrum of Zeeman hydrogen splitting in the white dwarf atmosphere its magnetic field was estimated.*