

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

Number 3194

Konkoly Observatory
Budapest
26 May 1988
HU ISSN 0374-0676

PHOTOMETRIC BEHAVIOUR OF KR AURIGAE IN THE SEASON 1987/1988

In supplementing and completing the light curve in B the star was measured on 21 blue-sensitive plates (ORWO-ZU21+GG13+BG12) from 12 nights obtained with the 50/70/172 cm Schmidt camera of Sonneberg Observatory, covering the time interval between 2 October 1987 and 10 April 1988, using the comparison star sequence given by Popova (1965). The observations are listed in Table I and shown in Figure 1.

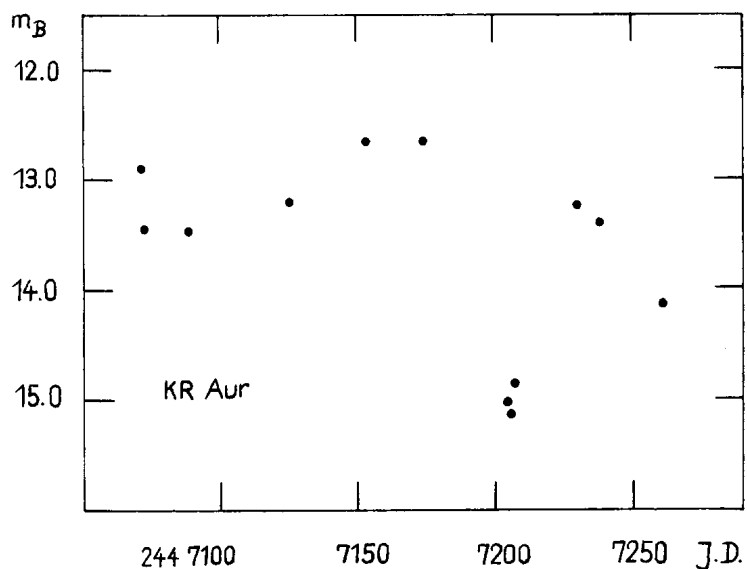


Figure 1

Table I

J.D. 244...	m_B	J.D. 244...	m_B
7071.572	12 ^m 91	7206.394	15 ^m 08
7072.597	13.43	7206.413	15.16
7099.624	13.47	7207.401	15.00
7099.645	13.39	7207.419	14.70
7126.578	13.21	7230.342	13.39
7153.435	12.71	7230.363	13.08
7153.452	12.63	7239.370	13.55
7174.457	12.61	7239.390	13.23
7174.480	12.64	7262.327	14.13
7205.496	15.05	7262.345	14.13
7205.515	15.04		

The light curve in Figure 1 shows a minimum, which is of short duration in comparison with the former ones. The brightness of the star decreased from the high state at $m_B = 12^m.63$ to $m_B = 15^m.12$ to the low state within 31^d. In the subsequent 24^d its brightness increased to $m_B = 13^m.23$ again.

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Reference:

Popova, M., 1965, *Peremennye Zvezdy*, 15, 534.