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THE BEHAVIOUR OF KR AURIGAE IN THE SEASON 1983/84

In linking to the sequence of comparison stars given by M. Popova (1965) the star was measured on 29 blue-sensitive plates (ORWO-ZU21 + GG13 + BG12) from 27 nights obtained with the 50/70/172 cm Schmidt camera of Sonneberg Observatory. The observations which are given in Table I are covering the time interval between 1983 September 5 and 1984 April 24. The light curve

Table I

J.D. 244...	m_B	J.D. 244...	m_B
5583.572	13 ^m .40	5679.415	13 ^m .33
5585.572	13.78	5680.443	13.30
5612.521	13.77	5683.595	13.35
5612.551	13.82	5750.296	13.57
5621.519	13.92	5761.297	13.52
5621.549	13.76	5763.338	13.78
5623.519	13.88	5779.326	13.98
5641.455	13.54	5780.324	13.85
5650.472	13.58	5781.317	13.76
5651.504	13.36	5782.314	13.59
5671.417	13.52	5783.310	13.51
5672.415	13.60	5810.337	13.53
5673.383	13.46	5812.342	13.93
5674.394	13.56	5815.347	14.14
5676.403	13.62		

in B shows the star in its bright light superimposed by temporal light fluctuations. The lowest brightness ($m_B = 14^m.14$) connected with a decrease of $\Delta m_B = 0^m.61$ within 5^d.010 was stated at the end of the series.

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Reference:

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