

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

Number 3065

Konkoly Observatory
Budapest
12 August 1987
HU ISSN 0374-0676

THE OPTICAL BEHAVIOUR OF KR AURIGAE IN THE SEASON 1986/87

In supplementing and completing the light curve in B given by Götz (1983, 1984, 1985, 1986) the star was measured on 44 blue-sensitive plates (ORWO-ZU21 + GG13 + BG12) from 25 nights obtained with the 50/70/172 cm Schmidt camera of Sonneberg Observatory, covering the time interval between 5 September 1986 and 30 March 1987, using the comparison star sequence given by Popova (1965). The observations are listed in Table I and shown in Figure 1.

It can be seen from Figure 1 that KR Aurigae was in an extremely high state during the whole time of patrolling. Most of the observations are brighter than $m_B = 13.0$. Visual observations of the star given by Verdenet, Mizser and Monella (1987) are marked by circles in Figure 1.

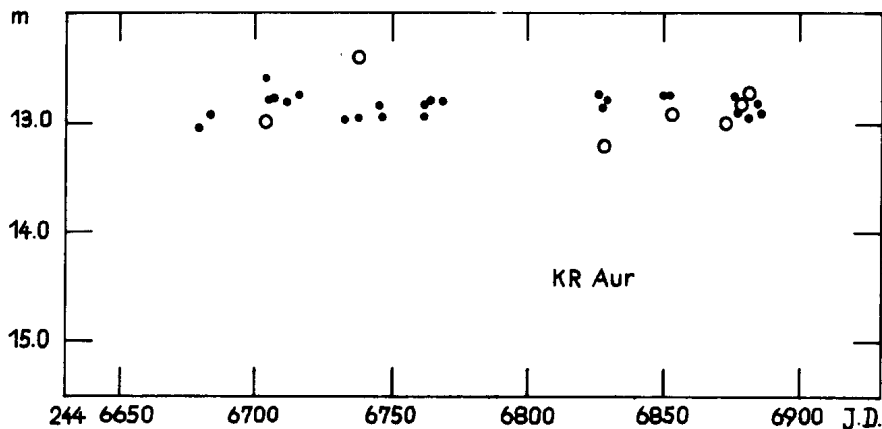


Figure 1

Table I

J.D.	m_B	J.D.	m_B
244....		244....	
6679.592	13. ^m 05	6764.479	12. ^m 82
6683.606	12.92	6764.498	12.82
6704.566	12.72	6769.491	12.79
6704.585	12.45	6769.510	12.86
6705.578	12.84	6826.436	12.71
6705.596	12.75	6826.456	12.82
6707.537	12.79	6827.375	12.83
6707.556	12.77	6827.395	12.86
6713.614	12.72	6828.340	12.83
6713.636	12.89	6828.358	12.75
6716.663	12.76	6850.331	12.87
6733.648	12.95	6850.349	12.64::
6733.663	13.00	6851.311	12.67
6737.551	12.89	6851.335	12.82
6737.571	13.02	6876.344	12.74
6745.633	12.82	6877.299	12.91
6745.655	12.91	6877.317	12.92
6746.622	12.95	6881.303	12.94
6762.530	13.00	6881.322	12.93
6762.550	12.91	6884.308	12.93
6763.493	12.85	6884.328	12.76
6763.512	12.82	6885.328	12.90

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References:

- Götz, W., 1983, Inf. Bull. Var. Stars No. 2364
 Götz, W., 1984, Inf. Bull. Var. Stars No. 2540
 Götz, W., 1985, Inf. Bull. Var. Stars No. 2733
 Götz, W., 1986, Inf. Bull. Var. Stars No. 2896
 Popova, M., 1965, Peremennye Zvezdy, 15, 534
 Verdenet, M., Mizser, A., Monella, R., 1987, IAU-Circular No. 4377