

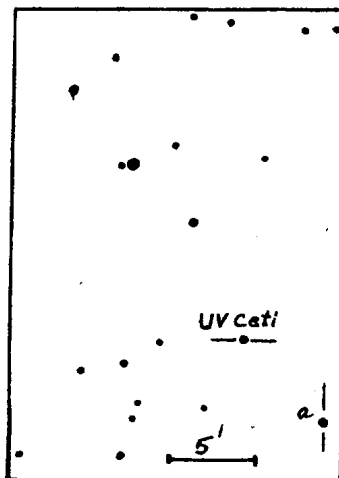
COMMISSION 27 OF THE I. A. U.  
INFORMATION BULLETIN ON VARIABLE STARS  
Number 1727

Konkoly Observatory  
Budapest  
1980 January 9

SLOW BRIGHTNESS VARIATION OF THE STAR UV Cet

During the period from 20 to 29 September 1979 a series of simultaneous U,B,V,R,I ( $\lambda_{\text{eff}}=8200\text{\AA}$ ) observations of UV Ceti was accomplished at the high altitude Maidanak station of the Tashkent Astronomical Institute. The main aim of these observations was to detect flares on UV Ceti.

Some U,B,V,R,I, brightness comparison of this star were accomplished as well. In order to exclude these comparisons during flares, simultaneous control observations were carried out with three other telescopes. As comparison star the star "a" (Fig. 1.) was chosen. The U,B,V,R,I magnitudes of this star have



obtained by the known magnitudes of the star HII 801 [I].

These magnitudes and corresponding errors for the star "a" are as follow:

U	B	V	R	I
$11^m.07 \pm 0^m.01$	$10^m.68 \pm 0^m.01$	$9^m.95 \pm 0^m.01$	$9^m.32 \pm 0^m.01$	$8^m.90 \pm 0^m.03$

The results of the observations of UV Ceti are presented in Table I.

Table I

Date of observation	UT	U	B	V	R	I
20.9.1979	20 <sup>h</sup> 30 <sup>m</sup>	-	13 <sup>m</sup> .53	11 <sup>m</sup> .68	-	-
23.9.1979	18 50	-	13.56	-	-	-
	22 30	14.79	13.79	11.84	9.75	8.15
24.9.1979	22 00	13.92	13.46	11.90	9.70	8.17
25.9.1979	23 25	15.31	13.68	12.00	9.73	8.16
26.9.1979	17 57	15.17	-	-	-	-
	23 00	14.80	13.75	12.00	9.73	8.17
27.9.1979	17 58	14.56	13.78	12.08	9.77	8.29
	19 50	14.34	13.71	12.02	9.75	8.20
	20 00	-	-	-	-	8.30
	22 10	-	-	-	-	8.33
	22 50	15.52	13.73	12.00	9.75	8.12
28.9.1979	17 47	14.58	13.78	12.03	9.75	8.23
	22 10	14.35	-	-	-	-
	23 21	14.74	13.55	12.02	9.75	8.17
	23 30	-	13.51	-	-	-
29.9.1979	19 25	-	13.58	12.01	-	-
	21 03	-	13.54	-	-	-

The data presented in Table I show that in minimum light the brightness of UV Ceti is significantly changing practically in all colours except maybe in R.

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