

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 1416

Konkoly Observatory
Budapest
1978 April 25

PHOTOELECTRIC MONITORING OF THE FLARE STAR YZ CMi

Continual photoelectric monitoring of the flare star YZ CMi was carried out at the Okayama Station of the Tokyo Astronomical Observatory during the period of 4 to 10 January 1978.

The observations were made with the synchronous three-colour photometer attached to the 91 cm reflector. The observational results are summarized in the Table. The explanation of symbols and detail of the observing equipment can be found in Tokyo Astronomical Bulletin (2nd series) No.222.

Some more details will be published in the same Bulletin.

K. ICHIMURA
Y. SHIMIZU
Tokyo Astronomical Observatory

Flares of YZ CMi observed at Okayama
4 to 10 January, 1978

Date	Time of Monitoring (UT)	Filter	Time of Max. (UT)	$\frac{I_{off}-I_{on}}{I_{on}}$	Max. Δm	P	d_b	d_a	σ
1978	Jan.				mag.	min.	min.	min.	mag.
6	13h38m - 16h58m	U	14h06m5	8.89	2.49	7.0	0.4	4.6	
		B		1.23	0.87	1.2	0.3	4.6	
		V		0.31	0.29	0.3	0.2	3.0	
		U	15 16.3	0.51	0.45	0.2	0.3	0.8	U 0.15
		B		0.48	0.43	0.1	0.2	0.8	B 0.05
		V		-	-				V 0.02
		U	15 35.2	2.43	1.34	2.5	1.2	5.5	
		B		0.27	0.26	1.3	0.9	4.2	
		V		0.09	0.09	0.1	0.4	0.8	
		U	15 47.3	11.40	2.73	15.5	0.2	8.5	0.10
		B		2.37	1.32	3.9	0.2	8.1	0.09
		V		0.34	0.32	1.0	0.2	8.0	0.03
8	12 11 - 16 55	U	13 02.1	2.24	1.28	2.6	0.3	3.4	0.12
		B		0.29	0.28	0.3	0.2	3.2	0.06
		V		0.07	0.07	0.1	0.2	2.0	0.02
		U	13 57.3	4.66	1.88				
		B		0.71	0.58				
		V		0.19	0.19				
		U	13 58.5	3.50	1.63	23.5	0.6	13.5	U 0.10
		B		0.47	0.42	3.6	0.6	13.3	B 0.05
		V		0.15	0.15	1.8	0.6	12.3	V 0.02
		U	14 02.2	5.25	1.99				
		B		0.92	0.71				
		V		0.25	0.24				
9	14 19 - 15 01 16 27 - 18 21	U	17 11.2	1.30	0.90	0.6	0.2	1.3	U 0.10
		B		0.27	0.26	0.1	0.1	1.0	B 0.03
		V		0.12	0.12	0.1	0.1	0.7	V 0.02