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YZ CMi

The photoelectric monitoring of the flare star YZ CMi was carried out at the Okayama Station during the period of 9 to 22 January 1972. The observations were made with the simultaneous three-colour photometer attached to the 91 cm reflector.

The observational results are summarized in the Table.

Date 1972	Time of Monitoring(UT)	Fil- ter	Flares			Dura- tion	G	
			Time of max(UT)	max. Δm	P min.			
Jan 16	11 ^h 50 ^m - 19 ^h 38 ^m	U	12 ^h 09 ^m .3	2.53	10.0	6.5	} U 0.20 ^{mag} B 0.04	
		B		1.18	2.3	6.5		
		U	12 55.9	0.75	1.0	4.0		
		B		0.23	0.2	4.0		
		U	16 07.8	0.73	0.8	1.5		
		B		0.14	0.1	1.5		
	17	11 43 - 18 37	U		>2.33	>41.2		11.5
			B	14 36.9	>0.96	>8.4		11.5
			V		>0.48	>2.0		11.5
			U		0.61	0.3		1.3
			B	16 36.0	0.16	0.1		1.3
			V		-	-		-
16 58.7		U		0.87	0.5	2.0	} U 0.16 B 0.05 V 0.03	
		B		0.16	0.2	2.0		
		V		-	-	-		
		U		1.02	1.2	0.7		
		B	17 34.5	0.16	0.1	0.7		
		V		-	-	-		
18 01.9	U		2.15			} U 13.3 7.7 B 3.1 7.7 V 0.9 5.8		
	B		0.97					
	V		0.46					
	U		2.29					
	B	18 03.4	1.13					
	V		0.53					
18 11 04 - 18 44	U		1.03	0.4	0.6	} 0.20 0.04 0.03		
	B	15 51.2	0.37	0.1	0.4			
	V		-	-	-			

Date	Time of Monitoring (UT)	Fil- ter	Time of max (UT)	max. Δm	P min.	Dura- tion	$\bar{\sigma}$	
Jan 20	11 ^h 20 ^m - 17 ^h 34 ^m	U	12 ^h 54 ^m 9	0.73	1.5	5.5	}	
		B		0.22	0.5	6.0		
		V		-	-	-		
		14 51.7	U	1.72	2.1	4.5		U 0.13
			B	0.64	0.7	4.5		
			V	0.14	0.1	1.5		
		15 38.6	U	1.99	6.9	10.5		B 0.05
			B	0.74	1.6	10.5		
			V	0.25	0.6	9.0		
		16 23.1	U	1.07	1.6	4.5		V 0.04
			B	0.28	0.5	4.5		
			V	-	-	-		
21	13 00 - 16 46	U	0.75	1.2	3.0	0.19		
		B	0.21	0.3	3.0			
		V	0.06	0.1	2.0			
22	10 57 - 14 26	U	0.83	2.0	6.0	0.03		
		B	0.21	0.7	6.0			
		V	-	-	-			
	18 59.5	U	1.38	3.4	5.5	U 0.20		
		B	0.57	1.5	5.5			
		V	0.19	0.4	5.5			

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