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UV CETI

A continual photoelectric monitoring of the flare star UV Ceti was done with the 91-cm reflector of the Okayama Station from 14 to 28 October 1968, by the request of the Working Group of UV Ceti stars. During the 38 hours of monitoring 27 flares were observed as shown in the following Table. Some more details will be published in the Tokyo Astronomical Bulletin.

Table 1.
 Flares of UV Ceti observed at Okayama,
 14 to 28 October, 1968.

Date 1968 Oct.	Time of Monitoring	Flares			
		Time of max.	$\Delta m(B)$	Dura- tion	Integrated intensity
14 ^d	12 ^h 50 ^m - 18 ^h 20 ^m	14 ^h 33 ^m .2	1.11 ^{mag}	2.0 ^m	0.90 ^{mag}
		17 08.7	0.64	1.7	0.64
15	13 00 - 17 40	14 36.7	0.69	0.3	0.14
		15 14.5	0.54	0.3	0.06
		15 26.2	1.41	0.7	0.34
		16 16.0	3.6	3.5	8.1
17	15 12 - 15 34				
	15 36 - 15 46				
	15 59 - 18 22	16 44.7	1.43	0.9	1.05
18	12 02 - 12 15				
	12 21 - 12 30				
	12 32 - 13 34				
	13 45 - 17 12	14 50.7	1.05	} 6.5	} 2.3
	14 52.7	0.90			
19	11 28 - 18 22	14 20.9	0.91	2.9	0.20
		15 25.3	0.41	2.0	0.37
		16 30.9	0.57	0.3	0.09
		16 35.0	0.47	0.3	0.05
		17 01.2	0.51	0.6	0.06
		17 06.4	0.59	1.8	0.32
		15 51.9	1.17	2.3	0.51
24	15 41 - 17 11				
25	16 03 - 18 02				

Date 1968 Oct.	Time of Monitoring	Time of max.	Flares (Continued)		
			$\Delta m(B)$	Dura- tion	Integrat ion intensit
26 ^d	11 ^h 08 ^m - 17 ^h 50 ^m	11 ^h 16.0	0.78 ^{mag}	2.0 ^m	0.59 ^{ma}
		13 04.3	0.60	0.3	0.10
		13 25.7	0.84	0.3	0.11
		13 53.4	0.69	3.4	0.69
		13 56.9	1.07	1.2	0.33
27	16 05 - 18 02	16 47.3	3.40	}12.0	}22.2
		16 50.1	3.14		
28	11 08 - 11 40	15 44.5	0.59	0.3	0.05
		16 14.1	0.54	2.7	0.75
	16 49 - 17 32	17 18.0	0.88	3.2	1.02
		17 25.3	0.84	2.7	0.57

Tokyo Astronomical Observatory
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