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Konkoly Observatory
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THE FLARE STAR UV Ceti

Members of the Variable Star Section, Royal Astronomical Society of New Zealand, monitored UV Ceti during the international observing session 1968 Oct. 14 to 28 for a total of 27½ hours. All observations were visual except 1968 Oct. 27 1049.4 to 1314.1 when F. Andrews and Mrs. A. Andrews monitored UV Ceti with the photoelectric photometer at the West Melton Observatory attached to the 40cm reflector, using a B filter. This period coincided with very poor seeing throughout N.Z. with the result that such brightenings as were recorded visually do not exceed the errors of observation under the sky conditions prevailing. Three suspected flares were recorded photoelectrically and are listed below but are considered of low reliability because of the observing conditions at the time. A summary of the hours of coverage is given below.

1968	U.T.	OBSERVERS
Oct. 14	0944-1148; 1155-1300	Ca; MA; Sa; Ve.
16	0809-1100; 1200-1320	Bt; MA; Ve.
17	0903-0912; 1101-1137	Ca; MA.
19	1100-1200; 1205-1220; 1310-1405	Bt
21	0945-1000; 1008-1021; 1026-1100;	Ve
23	1345-1350; 1353-1429	Sa
24	0804-1131; 1224-1300	Fe; Gd; Hv; Lf; MA; Ve; Wk
26	0813-0818; 0821-0836; 0840-0930; 0934-1007; 1014-1100; 1200-1230 1300-1330	Le; Sa; Ve.
27	0800-0807; 1049-1318	MA; Sa and p.e.
28	0833-1400	Ci; Fe; Gd; MA; Wk.

Total Coverage 27hrs 33 mins. (Visual Observers:- F.M. Bateson (Bt); D.J. Cameron (Ca); G.W. Christie (Ci); D.C. Fisher (Fe); A. Goodfellow (Gd); S.R. Howell (Hv); D. Lewthwaite (Le); G.L. Loftus (Lf); B.F. Marino (MA); J.V. Salisbury (Sa); C.W. Venimore (Ve); W.S.G. Walker (Wk). Photoelectric observers (p.e.); - F. Andrews and Mrs. A. Andrews.

SUSPECTED FLARES

1968	MAX. U.T.	Δm_B	Duration (B) mins.	REMARKS
Oct. 27	10 ^h 50.9 ^m	1.5	0.5)	p.e. Of low reliability
27	11 11.8	0.7	0.5)	due to sky con-
27	11 22.6	0.5	0.5)	ditions.

Mt. John Observatory.
 1969 May 17

F.M. BATESON