

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS
 Number 1664

Konkoly Observatory
 Budapest
 1979 August 27

LOW INTENSITY FLARES OF V645 Cen

V645 Cen (R.A. $14^{\text{h}}26^{\text{m}}42^{\text{s}}$, declination $-62^{\circ}29'$ (1950), 11.3 visual magnitude at minimum, spectral type dM5e) was observed from Boyden observatory on the nights of 22/23 and 25/26 April 1976.

We used the 41 cm Nishimura reflector, fitted with a photometer consisting of an uncooled EMI 6256A photomultiplier tube and a standard Johnson B filter.

Observing conditions were very good throught the monitoring periods.

Of the seventeen low intensity flares recorded only the spike flare shown in the diagram was significantly above the noise level of the recording gear. The others we regard as probable flares; although they were of low intensity we nevertheless, in the light of previous experience, consider that they should be reported. They are similar in character to some of the V645 Cen flares we have previously recorded.

Date	Monitoring time (U.T.)	Time of flare maximum (U.T.)	$\frac{I_{\text{off}} - I_0}{I_0}$	Comments
1976				
22 April	20 ^h 35 ^m 00 ^s	21 ^h 52 ^m 57 ^s	0.50	Probable small flare
	to 23 20 00	21 55 26	0.60	" " "
		21 59 41	0.57	" " "
		22 17 30	0.42	" " "
		22 45 29	0.48	" " "
		22 59 00	0.63	" " "
1976				
25 April	17 40 00	19 04 52	0.59	Probable small flare
	to 23 00 00	19 05 00	0.52	" " "
	23 06 00	19 26 20	0.56	" " "
	to 24 00 00	21 28 03	0.44	" " "
		21 47 57	0.45	" " "
1976				
26 April	00 00 00	02 01 38	0.53	Probable small flare
	to 03 36 00	02 03 37	0.56	" " "
		02 07 56	0.53	" " "
		02 09 04	0.58	" " "
		02 11 22	0.48	" " "
		02 46 42	0.76	Spike flare

