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PHOTOELECTRIC OBSERVATIONS OF V 1216 Sgr DURING THE 1972,
JULY 3-17 INTERNATIONAL PATROL

According to the observing schedule of cooperative observations proposed by the IAU Working Group on Flare Stars (P.F. Chugainov, 1971, IBVS No.605), V 1216 Sgr was patrolled at the Catania Astrophysical Observatory for about 20.3 hours.

The observations were carried out with a 61 cm universal type reflector feeding a synchronous u,b,v photometer.

The detailed coverage intervals are given in the accompanying Table 1. One flare was observed during our patrol and its characteristics are reported in Table 2 (see Figure).

The explanation of symbols and details of the observing equipment can be found in a preceeding number of this Bulletin (Cristaldi and Rodonò, 1971, IBVS No.525).

Catania Astrophysical Observatory
September 16, 1972

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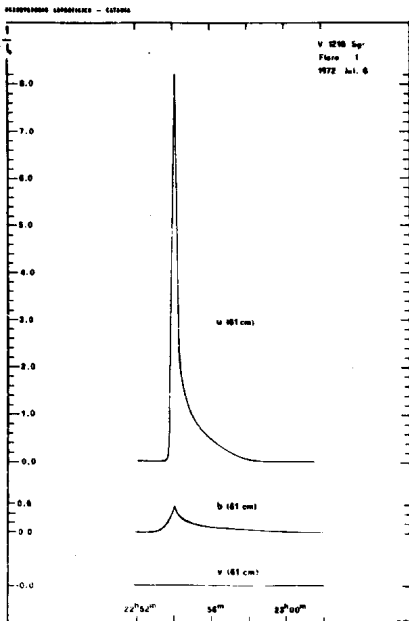


Table 1.
(61 cm telescope)

Date	Light	Coverage (UT)	Total coverage	$3\sigma/I_0$
1972 July 03-04	u/b/v	$20^h 42^m$ -2101; 2103-2130; 2137-2153; 2211-2221; 2247-2254; 2256-2318; 2320-2342; 2344-2400; 0006-0027; 0030-0052; 0108-0120; 0132-0141.	203 ^m	.50/.11/.06
04-05	u/b/v	2216-2236; 2239-2248; 2317-2336; 2347-2357; 0011-0021; 0036-0045; 0047-0107; 0116-0134; 0137-0149; 0154-0200.	133 27	.40/.07/.03 .70/.13/.07
05 06-07	u/b/v u/b/v	2022-2039; 2040-2050. 2205-2219; 2222-2229; 2231-2244; 2247-2259; 2301-2311; 2352-2400; 0000-0004; 0009-0013; 0014-0035; 0037-0057; 0103-0122; 0131-0142; 0144-0200.	159 91	.76/.10/.04 .10/.06
07-08 10-11	b/v u/b/v	2339-2356; 0026-0043; 0045-0106; 0108-0126; 0129-0147. 2031-2051; 2053-2057; 2059-2114; 2123-2158; 2214-2227; 2317-2327; 2338-2357; 2359-2400; 0000-0026.	143 28	.70/.09/.05 .46/.06/.03
11 15-16	u/b/v u/b/v	2237-2258; 2300-2307. 2127-2146; 2152-2241; 2311-2329; 2336-2400; 0000-0013; 0018-0024.	139 89	.60/.08/.05 .57/.07/.03
16 17-18	u/b/v u/b/v	2111-2133; 2134-2146; 2149-2211; 2213-2227. 2104-2149; 2151-2211; 2237-2400; 0000-0044.	206	.53/.08/.05

Table 2.
(July 6, 1972)

no.	Light	t_{max} UT	JD	d_b	d_a	$3\sigma/I_{or}$	$(I_f/I_0)_{max}$	Energy erg	Air mass	f sky	
1	u' b v	$22^h 54^m$.1 22 54 .1	2441000.0000 505.4542 505.4542	0.4 0.5	4.4 6.2	2.00 0.10	8.20 0.55	4.77 0.83	2.67×10^{30} 2.95×10^{30}	1.70 1.70	0 0 2 2