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PHOTOELECTRIC OBSERVATIONS OF V 1216 Sgr DURING THE 1973
 JUNE 23 - JULY 7 INTERNATIONAL PATROL

According to the observation schedule proposed by the I.A.U. Working Group on Flare Stars (Chugainov IBVS 744,1972) V 1216 Sgr has been observed at the Catania Astrophysical Observatory using a 61 cm universal type reflector feeding a synchronous U,B,V photometer. D.C. amplifiers and strip chart recorders with a time-constant of 1 sec. f.s. were used. Some preliminary results of the observations are here presented.

Table 1 gives the detailed coverage in U.T. Patrol interruptions longer than one minute are noted. During 29.1 hours of effective coverage one flare was observed.

Table 1. Detailed Coverage (Tel. 61cm, Light u,b,v)

Date 1973	Coverage (U.T.)	Total coverage	$\frac{3\sigma}{I_0}$ u b v
June 23-24	22 ^h 05 ^m -2213, 2234-2303, 2305-2310, 2319-2400, 0000-0036, 0040-0125, 0138-0203;	189	.50/.07/.08
24-25	2134-2151, 2153-2280, 2227-2322, 2331-2348, 2350-2400, 0000-0024, 0030-0058, 0126-0205;	197	.50/.07/.09
25-26	2230-2249, 2251-2400, 0000-0004, 0026-0044, 0047-0206;	189	.50/.07/.04
26-27	2323-2338, 0006-0100, 0102-0205;	132	.60/.08/.05
27-28	2249-2302, 2306-2324, 2328-2339, 2342-2400, 0000-0004, 0026-0125, 0139-0204;	148	.50/.08/.05
28-29	2303-2320, 2345-2400, 0000-0053, 0055-0206;	156	.70/.10/.05
July 01-02	2028-2132, 2134-2150, 2221-2325, 2332-2352, 2358-2400, 0000-0038, 0104-0210;	270	.60/.09/.04
02-03	2048-2300, 2324-2400, 0000-0033;	81	.70/.10/.05
05-06	2212-2350, 2354-2400, 0000-0010;	114	.70/.10/.06
06	2118-2213;	55	.80/.12/.06
07-08	2145-2157, 2200-2328, 2337-2356, 0023-0205;	216	.60/.09/.05

Some characteristics of this flare are given in Table 2. The three colour light curves, as relative intensities in the instrumental photometric system versus U.T. are shown in the accompanying figure. The error bars indicate the maximum noise fluctuations of the recordings.

Table 2. Characteristics of the Flare

Light	t_{\max} (U.T.) 1973	J.D. 2441...	d_b	d_a	$3\sigma/I_{or}$	$(I_f/I_{o\max})$	Energy P	erg	Air mass
u	01 12.1	865.5559	0.2	5.5	0.45	3.25	5.13		2.158
b	01 12.2		0.2	5.4	0.09	1.16	1.23		
v	01 12.3		0.3	5.2	0.04	0.21	0.28		
U						3.01	4.77	5.95×10^{30}	
B						1.00	1.10	4.68×10^{30}	
V						0.14	0.19	2.14×10^{30}	

The explanation of the symbols and further details both on the observing equipment and on the reduction procedure can be found in Cristaldi and Rodonò Astr. Astrophys. Suppl. 10, 47, 1973.

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