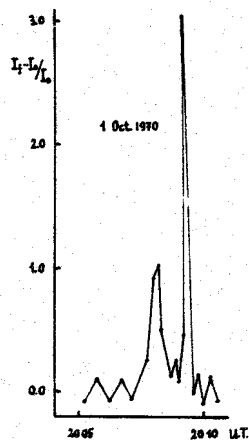
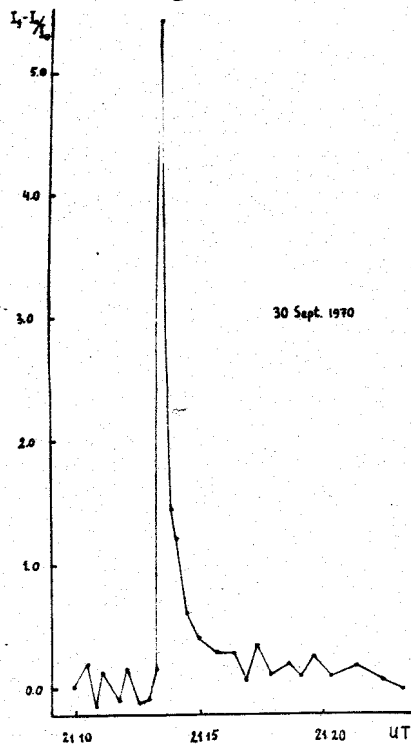


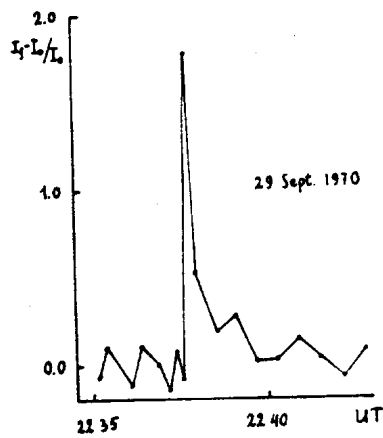
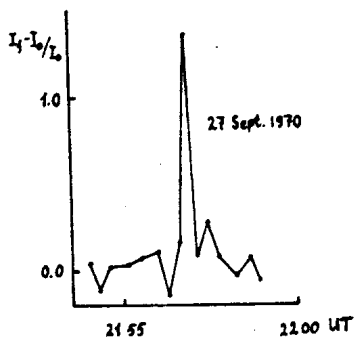
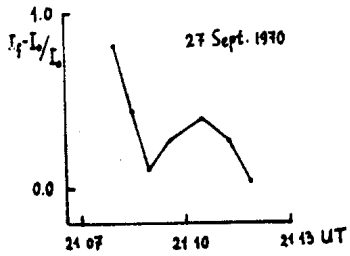
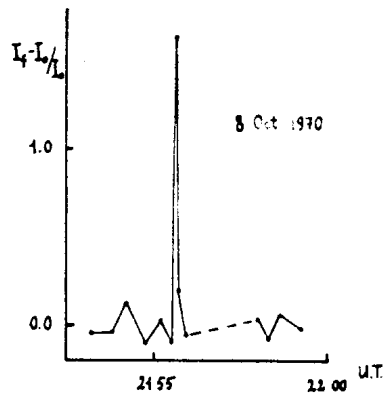
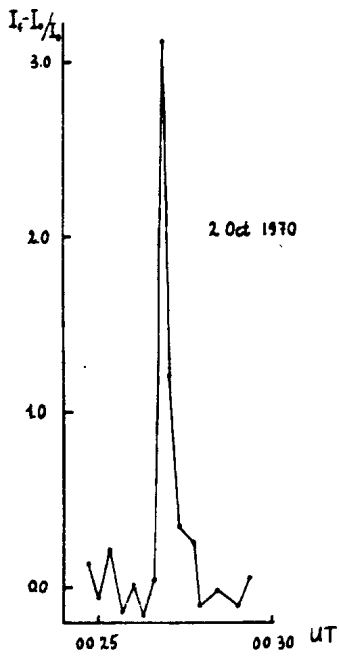
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NUMBER 486

Konkoly Observatory  
Budapest  
1970 November 7

PHOTOELECTRIC OBSERVATIONS OF UV Cet DURING  
THE INTERNATIONAL CAMPAIGN 22 SEPTEMBER - 9 OCTOBER 1970

The results of photoelectric observations of the flare star UV Cet made at the Crimean Astrophysical Observatory during the International Campaign 22 September-9 October 1970 are given. The observations were made in the photometric system B using the 64-cm meniscus telescope. The time intervals covered with observations are given in Table I. Table II contains the characteristics of the flares observed. The light curves are given on Figures.





Date, 1970	U.T. of coverage
Sept.	
27	19 54-19 59, 20 01-20 15, 20 20-20 24, 20 28-20 34, 20 36-20 47, 20 50-20 51, 20 53-21 06, 21 08-21 25, 21 27-21 33, 21 35-22 05, 22 06-23 01, 23 03-23 58, 24 02-24 25
29	19 34-20 45, 20 46-22 48, 22 50-23 10, (23 13-23 34, 23 40-23 51, 23 54-24 00)
30	(00 00-00 08, 00 10-00 16, 00 17-00 45, 00 49-00 54, 00 56-01 04), 19 40-20 15, 20 17-21 32, 21 35-21 43, 21 45-22 12
Oct.	
1	19 27-20 14, 20 16-22 26, 22 28-22 43, 23 00-23 06, 23 16-24 00
2	00 00-00 01, 00 11-00 30, 00 34-00 42, 00 48-00 54
8	19 48-21 25, 21 27-23 18, 23 20-24 00
9	00 00-00 23, 00 31-00 35, 00 40-01 07, 01 10-01 11

Date 1970	U.T. of flare maximum	Durations before and after max., minutes		$\Delta m_B$	$S/I_0$	P minutes
		$t_b$	$t_a$			
Sept. 27	21 <sup>h</sup> 08 <sup>m</sup> 40*	-	-	0.64	0.08	>1.18
27	21 56.8	0.2	1.2	0.93	0.10	0.48
29	22 37.6	0.1	4.1	1.11	0.11	0.86
30	21 13.4	0.2	10	2.02	0.13	4.40
Oct. 1	20 08.2	0.2	0.8	0.75	0.08	0.66
1	20 09.1	0.1	0.6	1.51	0.08	0.91
2	00 26.8	0.2	1.0	1.54	0.14	1.14
8	21 55.6	0.1	0.5	1.05	0.09	0.33

\*The beginning and maximum of this flare were missed.

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