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MHa 73 - 59

The star MHa 73 - 59 of spectral type M (Merrill and Burwell, ApJ 112, p.72) shows strong H $\alpha$  emission lines but despite its being situated in a Cepheus dark cloud "it is not at all certain that this object is related to the T Tauri stars" (Herbig and Kameswara Rao, ApJ 174, p. 401).

I estimated the star on 650 Sonneberg patrol plates of 1941 to 1972 (partly blue sensitive, partly photovisual range). I could not detect any variation larger than the normal scattering of such observations. Therefore we have to conclude that the object was constant within  $\pm 0.15$  mag. during the years mentioned.

I thank Dr. Wenzel for drawing my attention to the star.

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UV Cet

The photoelectric monitoring of the flare star UV Cet was carried out at Okayama Station during the period of 9 to 15 October 1972. The observations were made with the simultaneous three-color photometer attached to 91 cm reflector. The observational results are summarized in the Table.

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December 12, 1972

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Flares of UV Cet observed at Okayama  
9 to 15 October, 1972.

Time of Monitoring 1972	UT	Filter	Time of Max. UT	Flares		P	d <sub>b</sub>	d <sub>a</sub>	σ
				$\frac{I_{0+f} - I_0}{I_0}$	$\frac{\Delta I_{0+}}{\Delta I_0}$ Max.				
Oct. 11					mag	min	min	min	mag
13 <sup>h</sup> 38 <sup>m</sup> - 15 <sup>h</sup> 54 <sup>m</sup>	V	13 <sup>h</sup> 58 <sup>m</sup> .4	0.21	0.19	0.1	0.2	0.6		V:0.03
16 33 - 18 31	B		0.89	0.69	0.2	0.4	1.5		B:0.07
Oct. 12									
13 06 - 18 20	V	13 49.8	0.64	0.54					
	B		2.71	1.42					
					V:1.1	0.2	8.0		
					B:2.3	0.2	8.0		
	V	13 56.8	0.17	0.170					
	B		0.86	0.647					
	V	16 24.6	>6.32	>2.1					
	B		>25.03	>3.5					
					V:>10	0.8	34.5		V:0.03
					B:>35	0.8	39.0		B:0.07
	V	16 56.5	0.30	0.28					
	B		1.65	1.05					
	V								
	B	17 55.6	0.56	0.48	1.1	0.4	3.7		
	V	18 10.4	0.29	0.28	0.1	0.2	1.7		
	B		1.06	0.79	0.4	0.2	2.6		
Oct. 13									
13 35 - 15 30									V:0.04
15 34 - 18 30									B:0.05
Oct. 14									
12 47 - 18 20	V	14 11.5	0.14	0.14	0.1	0.5	2.0		
	B		0.40	0.37	0.4	0.5	2.5		
	V	15 06.1	0.09	0.09	0.1	1.5	1.5		V:0.04
	B		0.46	0.40	0.6	1.5	2.7		B:0.07
	V	17 30.6	0.37	0.34	0.1	0.1	0.5		
	B		1.17	0.84	0.2	0.1	0.1		