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Konkoly Observatory
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UBV OBSERVATIONS OF NOVA CYGNI 1975

UBV observations of Nova Cygni 1975 (V1500 Cyg) have been made during its maximum and early decline with the Lund Observatory 61-cm Cassegrain-Nasmyth reflector. The results are shown in Table 1. The comparison stars and their adopted magnitudes are also given. Observations of less weight are indicated by a colon. To avoid photomultiplier saturation a mask was placed in front of the telescope aperture on the nights prior to Sept.4.

Small scale light variations were detected during the transition stage. Thus a local maximum was caught on Sept. 7.873 UT.

Comparison star	UT
γ Cyg 2.23 0.67 0.54	30.830-2.049
π^2 Cyg 4.24 -0.12 -0.71	2.833-3.113
HD 204411 5.29 0.08 0.16	4.815-10.904
HD 204918 6.78 0.31 0.15	15.936
HD 204710 6.94 0.26 -0.24	16.910-18.009

Table 1

	UT	V	B-V	U-B	UT	V	B-V	U-B	
Aug	30.830	1.86	0.64	-0.10	2.833	4.31	0.31	-0.58	
	.835	1.90	0.61	-0.10	.838	4.30	0.31	-0.57	
	.840	1.85	0.63	-0.11	.843	4.30	0.32	-0.58	
	.846	1.83	0.65	-0.12	.848	4.32	0.31	-0.57	
	.851	1.85	0.63	-0.08	.853	4.31	0.31	-0.57	
	.857	1.87	0.66	-0.10	.859	4.34	0.30	-0.54	
	.865	1.83	0.66	-0.13	.866	4.31	0.32	-0.59	
	.871	1.86	0.61	-0.08	.881	4.33	0.32	-0.59	
	.877	1.85	0.64	-0.09	.894	4.37: 0.29:		-0.55:	
	.882	1.86	0.65	-0.11	3.058	4.48	0.31	-0.53	
	.888	1.85	0.65	-0.10	.065	4.49	0.33	-0.57	
	.900	1.84	0.66	-0.10	.069	4.51	0.33	-0.58	
	31.076	1.80:	0.70:	-0.06:	.074	4.51	0.32	-0.56	
	.082	1.77:	0.68:	-0.07:	.080	4.48	0.33	-0.56	
	.109	1.81:	0.70:	-0.09:	.087	4.51	0.30	-0.55	
	.115	1.83:	0.68:	-0.08:	.094	4.54	0.31	-0.53	
	.121	1.80:	0.69:	-0.08:	.107	4.53	0.33	-0.57	
					.113	4.56	0.33	-0.54	
	31.	854	2.22	0.69	-0.22				
		.857	2.22	0.69	-0.22	4.815	5.42	0.32	-0.66
.866		2.22	0.69	-0.21	.856	5.39	0.28	-0.59	
.871		2.22	0.71	-0.22	.862	5.39	0.30	-0.64	
.875		2.23	0.69	-0.22	.867	5.38	0.31	-0.64	
.881		2.23	0.69	-0.22	.872	5.43: 0.28:		-0.57:	
					.877	5.36	0.30	-0.59	
					.882	5.38	0.28	-0.59	
					.887	5.39	0.27	-0.59	
					5.038	5.40	0.31	-0.63	
Sept	1.899	3.41	0.42	-0.43	.042	5.52: 0.23:		-0.60:	
	.905	3.36	0.44	-0.49	.049	5.37	0.30	-0.54	
	.911	3.39	0.43	-0.40	.053	5.37	0.25	-0.48	
	.917	3.39	0.43	-0.44					
	.927	3.38	0.41	-0.42	5.920	5.66	0.25	-0.57	
	.933	3.42	0.40	-0.43	.925	5.64	0.24	-0.57	
	.940	3.43	0.41	-0.42	.930	5.66	0.25	-0.56	
	.945	3.40	0.42	-0.44	.934	5.67	0.26	-0.59	
	.959	3.40	0.47	-0.50	.944	5.68	0.24	-0.57	
	.989	3.45	0.42	-0.47	.948	5.70	0.25	-0.59	
	.995	3.47	0.39	-0.45	.959	5.73	0.25	-0.57	
	2.001	3.45	0.39	-0.47	.964	5.73	0.26	-0.57	
	.006	3.41	0.42	-0.51	.969	5.74	0.25	-0.55	
	.013	3.41	0.43	-0.50	.980	5.77	0.26	-0.55	
	.024	3.47	0.39	-0.44					
	.032	3.47	0.40	-0.45					
	.038	3.44	0.37	-0.46					
	.049	3.47	0.39	-0.45					

Table 1 (cont.)

UT	V	B-V	U-B	UT	V	B-V	U-B
7.821	6.20	0.22	-0.63	10.904	6.68	0.12	-0.57
.827	6.19	0.22	-0.63				
.831	6.19	0.22	-0.63	15.936	7.18	-0.05	-0.46
.836	6.17	0.22	-0.64				
.841	6.15	0.22	-0.63	16.910	7.25	-0.07	-0.49
.846	6.14	0.21	-0.63				
.856	6.11	0.22	-0.63	17.947	7.41	-0.10	-0.49
.861	6.10	0.22	-0.62	.952	7.42	-0.09	-0.49
.871	6.09	0.22	-0.61	.958	7.42	-0.10	-0.48
.880	6.10	0.22	-0.62	.964	7.41	-0.11	-0.48
.890	6.09	0.22	-0.61	.975	7.38	-0.09	-0.49
.895	6.11	0.21	-0.61	.986	7.37	-0.09	-0.48
.907	6.14	0.21	-0.60	.993	7.38	-0.10	-0.47
.912	6.16	0.21	-0.61	18.003	7.35	-0.11	-0.45
.922	6.18	0.22	-0.61	.009	7.38	-0.10	-0.47
.932	6.21	0.22	-0.61				
8.078	6.24	0.20	-0.57				
.083	6.26	0.20	-0.58				
.089	6.26	0.21	-0.58				
.095	6.28	0.21	-0.58				
.099	6.27	0.21	-0.58				
.111	6.26	0.22	-0.58				

H. LINDGREN

L. LINDEGREN

Lund Observatory
Svanegatan 9, S-222 24 Lund
Sweden

V624 Her

The "New Eclipsing Binary" reported by Kurtz in IBVS 1054 is V624 Her (3rd Supp. to GCVS; IBVS 378; A.J. 77,610, 1972).

As the author indicates, this star deserves further attention. Also, the period may need revision, for the epochs of minimum given by Kurtz and in the GCVS are not compatible if both refer to the primary minimum.

DORRIT HOFFLEIT

Yale University
New Haven, Connecticut
U.S.A.