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NOVA SERPENTIS

The photoelectric photometry of Nova Serpentis was carried out at Okayama and Dodaira Stations, and the preliminary results for the period earlier than 18th February have already been reported in the IAU Circular. In the present report the summary of the results in about one month after the nova cutburst is presented.

Table 1. Photometry of Nova Serpentis

1970 UT	V	B-V	U-B	Telescopes	Observers	Notes
Feb.						
16.86	4.88	+0.84	+0.33	91	I, S	1
17.84	4.56	.96	.53	30	W	1
18.83	4.7:	1.2:	.7:	30	W	2,3
19.84	4.59	1.04	.55	30	W	2
28.83	4.99	.75	-.10	30	W	2
Mar.						
4.78	5.44	.71	-.18	30	W	2
4.81	5.35	.67	-.20	D 91	Ns	1
5.80	5.46	.72	-.22	30	W	2
5.83	5.48	.72	-.24	D 91	Ns	1
6.82	5.32	.69	-.28	D 91	Ns	1
6.83	5.32	.71	-.24	30	Ng, W	2
7.82	5.54	.74	-.31	D 91	Ns	1
8.84	5.50	.70	-.33	D 91	Ns	1
18.81	5.74	.66	-.38	91	I	2
18.81	5.76	.67	-.39	30	W, Nk	2
19.82	6.06	.66	-.41	30	W	2
20.82	5.95	.66	-.43	D 91	K	2
22.77	5.85	.71	-.42	91	Ng, I	1

Telescopes: 91 and 30 are for the 91 cm and 30 cm reflectors of the Okayama Station, respectively, D 91 is for the 91 cm reflector of the Dodaira Station.

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Notes: 1. Comparison with H.L.Johnson's photometric standards.
2. Repeated comparison with 74 Oph in 30-90 minutes. V=4.84, B-V=+0.91, U-B=+0.63 (B.Iriarte et al.: Sky and Telescope, 30, 21, 1965) was assumed for 74 Oph.
3. Values uncertain because of thin clouds.

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