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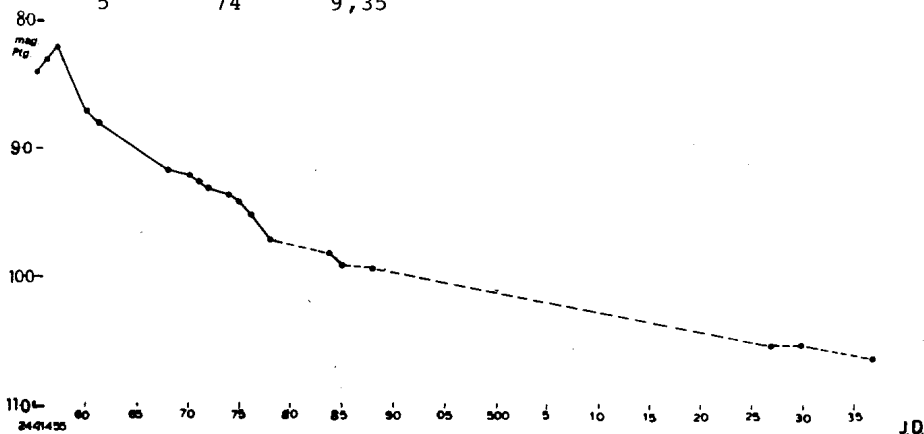
Konkoly Observatory
 Budapest
 1973 September 21

THE SUPERNOVA IN NGC 5253

The Supernova discovered by Kowal (IAU Circ.No.2405,1972) in NGC 5253 (R.A.13^h37^m.1, Declination -31°24") was observed over the period May to August at Boyden Observatory. The Supernova was located 56" west and 85" south of the nucleus of NGC 5253.

The 41cm aperture Nishimura reflector was used in these observations. The detector was a solid CO₂ cooled EMI 6256A photomultiplier tube, using a Johnson B filter.

Date 1972	Julian Date	m _{ptg}	Date 1972	Julian Date	m _{ptg}
May 17	2441455	8,40	June 6	2441475	9,40
18	56	8,30	7	76	9,50
19	57	8,20	9	78	9,70
22	60	8,70	15	84	9,80
23	61	8,80	16	85	9,90
30	68	9,15	19	88	9,90
June 1	70	9,20	July 28	527	10,50
2	71	9,25	31	530	10,50
3	72	9,30	Aug 7	537	10,60
5	74	9,35			



An examination of the light curve indicates an initial decline of approximately 0.04 magnitude per day, followed by a steady decline of 0.01 magnitude per day.

The falloff in intensity along with the regularity of the light curve suggests a type 1 Supernova.

10th September, 1973.

A.H. JARRETT
 Boyden Observatory

PHOTOGRAPHIC OBSERVATIONS OF ECLIPSING VARIABLES

Var.	Min. helioc. J.D.244...	O-C _M	O-C _K	n
EG Cep	1918.502	+0. ^d 007	+0. ^d 007	14
V787 Cyg	1922.486	+0.041	+0.041	13
UX Her	1831.479	-0.037	-0.001	9
UV Leo	1796.406	0.000	+0.012	9
FL Lyr	1900.4515	-0.004	+0.0025	10
X Tri	1930.4905	-0.0293	-0.0267	12
	1931.4625	-0.0288	-0.0263	11
RU UMi	1798.438	-0.004	-0.004	12

C_M from GCVS 1969/70, C_K from SAC 44 (1973), n=number of plates.
 Observations made in the same manner as described in IBVS 786.

P. AHNERT
 Sonneberg