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BV PHOTOMETRY OF THE SUPERNOVA 1982 IN NGC 2268

BV photometry of the supernova in NGC 2268 discovered by Wild (1982) is reported.

Table I

BV photometry of the supernova

Date	UT	B	V
27/2/82	21^h17^m		14.00
27/2/82	22 50		14.05
01/3/82	19 30		14.05
02/3/82	20 05		14.40
06/3/82	21 02	15.4	
06/3/82	20 18		14.45
14/3/82	19 43	16.00	
14/3/82	20 15		14.65
15/3/82	20 15	16.05	
15/3/82	20 41		14.65
24/3/82	20 15	16.45	
24/3/82	21 41		15.30
26/3/82	20 10	16.50	
26/3/82	21 56		15.35
14/4/82	20 58	16.85	
14/4/82	20 15		15.80
18/4/82	21 08	16.95	
14/5/82	21 49		16.1)

The observations were obtained with the 0.4 m Schmidt telescope in Metzerlen on plates 103a-O, 103a-D and filters Schott 2 mm GG 13 in B and Schott 2 mm GG 11 in V.

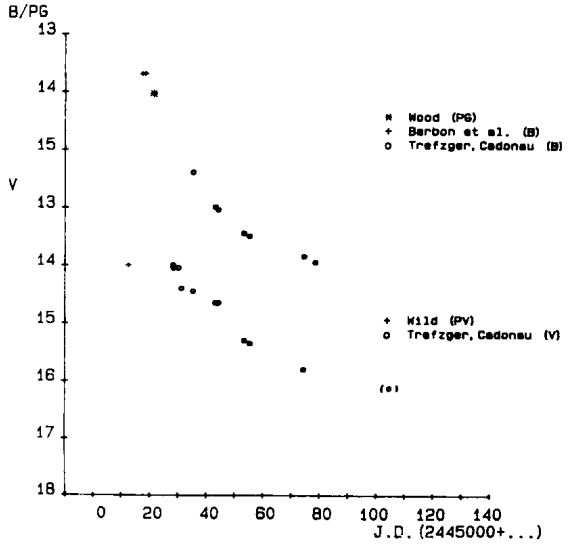

Figure 1: B light curve of SN 1982 Typ I in NGC 2268

Figure 2: SN,NGC 2268 and comparison sequence

Table II

Comparison sequence

No.	B	V	No.	B	V
1	15.4	14.5	34	16.0	14.6
2	15.3	14.0	35	16.1	15.3
3	14.6	14.0	36	16.0	15.1
4	15.9	15.0	37	16.1	15.1
5	16.9	16.1	38	16.0	15.0
6	17.0	16.4	39	16.0	14.8
7	15.7	14.7	40	13.7	12.7
8	15.9	15.2	41	16.8	
9	16.3	15.6	42	17.3	
10	16.9	16.2	43	16.4	
11	17.1	16.1	44	17.0	
12	14.7	13.6	45	16.1	
13	14.9	13.5	46	17.2	
14	16.6	15.5	47	14.8	
15	15.2	14.3	48	16.8	
16	16.2	15.5	49	15.7	
17	16.5	15.1	50	17.2)	
18	16.8	15.8	51	14.7	
19	16.4	15.7	52	14.5	
20	14.6	13.3	53	14.9	
21	16.3	15.5	54	17.4	16.8
22	16.2	15.3	55	16.4	15.6
23	16.5	15.5	56	16.5	15.8
24	17.2	16.3	57	16.1	
25	16.2	15.4	58	17.5)	
26	15.1	14.1	59	17.5	16.9
27	15.2	14.3	60	16.7	16.0
28	15.1	14.1	61	17.2	16.4
29	16.1	15.4	62	16.6	15.8
30	17.3	16.6	63	16.5	15.6
31	17.8)	16.5	64	15.2	
32	16.4	15.6	65	13.4	
33	16.3	15.5			

The comparison sequence was derived from the North Polar Sequence and two fields of stars between the Polar and the comparison sequence.

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Dr. C. TREFZGER

References:

Barbon, R. et al.: 1982, IAU Circ., No. 3671
Wild, P.: 1982, IAU Circ., No. 3667
Wood, R.: 1982, IAU Circ., No. 3678