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BV PHOTOMETRY OF SUPERNOVA IN NGC 1316

BV photometry of the supernova (Maza, 1980) in Fornax A (NGC 1316), the first of two supernovae discovered in that galaxy, is reported. Observations were obtained with the CTIO 0.6 m telescope (S-20 phototube) and 0.9 m telescope (GaAs phototube). Extinction and transformation coefficients for each night were determined by observing equatorial standards (Landolt, 1973). Typically, at least 15 standards were observed, and several were observed at a variety of air masses. The standard deviation of a single measurement is typically  $0^m.015$  in B-V and  $0^m.03$  in V.

<u>Date</u>	<u>UT</u>	<u>V</u>	<u>B-V</u>	<u>Telescope</u>
12/24/80	2 <sup>h</sup> 20 <sup>m</sup>	12.80	0.57	0.6 m
12/25/80	2 00	12.84	0.61	0.6
12/26/80	1 54	12.96	0.68	0.6
12/30/80	2 27	13.17	0.94	0.9
12/31/80	4 40	13.24	1.00	0.9
1/01/81	1 21	13.30	1.03	0.9
1/02/81	2 48	13.35	1.10	0.9
1/03/81	2 32	13.41	1.11	0.9

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References:

- Landolt, A.: 1973, Astron. J., 78, 959.  
Maza, J.: 1980, IAU Circ., No. 3548.