

Electronic Telegram No. 799

Central Bureau for Astronomical Telegrams
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SUPERNOVA 2007B IN NGC 7315

S. Benetti, A. Harutyunyan, M. Turatto, and E. Cappellaro, Istituto Nazionale di Astrofisica, Osservatorio Astronomico di Padova; and R. Cosentino and G. Tessicini, Telescopio Nazionale Galileo (TNG), report that a spectrum of 2007B (cf. CBET 797), obtained on Jan. 8.83 UT with the 3.5-m TNG (+ DOLORES; range 340-920 nm, resolution 1.2 nm), shows it to be a type-Ia supernova near maximum light. The spectrum closely resembles that of SN 1992A at 5 days before maximum light. Adopting a recession velocity of 6312 km/s (Huchra et al. 1999, via NED), the expansion velocity derived from the Si II line (635.5 nm) is about 11800 km/s.

K. Ayani, Bisei Astronomical Observatory (BAO); and H. Yamaoka, Kyushu University, write that a low-resolution spectrum of 2007B, obtained on Jan. 9.4 UT with the BAO 1.01-m telescope, shows it to be a type-Ia supernova near the maximum light. The expansion velocity derived from the blueshift of the Si II 635.5-nm absorption line is about 12000 km/s.

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