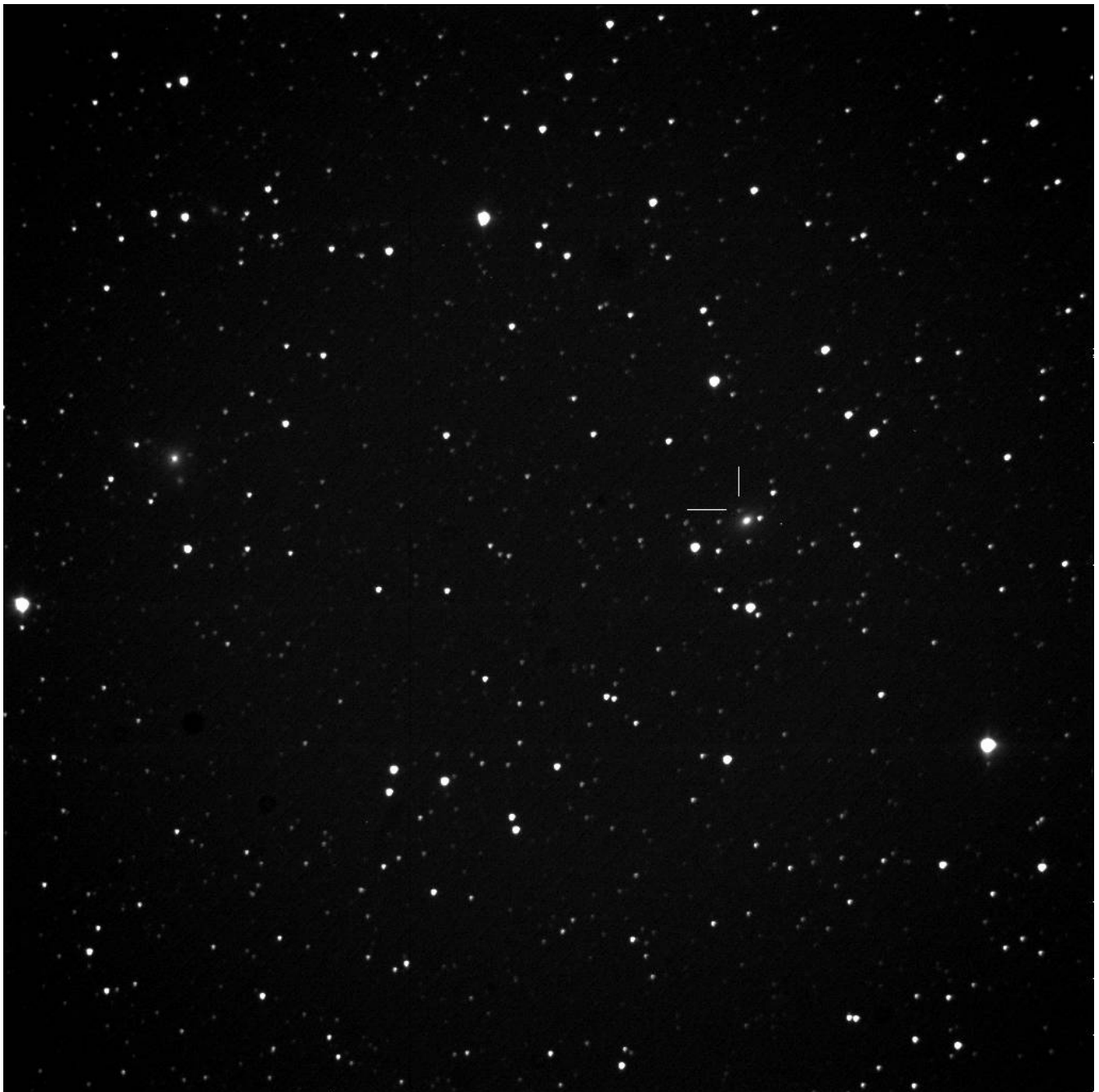


[SN 2012dz](#) (A.R. 18 18 56.20, Dec. 18 18 56.20), discovered on 2012, August 8 in the galaxy ngc 6619 (offset 11E 17N), magnitude 16.5, type Ia.

SN discovered by F. Martinelli and R. Mancini with the 35cm telescope of the Montecatini val di Cecina (Pisa) observatory.



Electronic Telegram No. 3198 Central Bureau for Astronomical Telegrams INTERNATIONAL ASTRONOMICAL UNION CBAT Director: Daniel W. E. Green; Hoffman Lab 209; Harvard University; 20 Oxford St.; Cambridge, MA 02138; U.S.A. e-mail: cbatiau@eps.harvard.edu (alternate cbat@iau.org) URL

<http://www.cbat.eps.harvard.edu/index.html> Prepared using the Tamkin Foundation Computer Network SUPERNOVA 2012dz IN NGC 6619 = PSN J18185620+2339370 Fabio Martinelli and Riccardo Mancini report the discovery of an apparent supernova (mag about 16.5) on unfiltered CCD images (limiting mag about 18.0) taken with a 0.35-m telescope of the Osservatorio Astronomico Montecatini val di Cecina, Italy, in the course of the Italian Supernovae Search Project on Aug. 8.0625 UT. The new object is located at R.A. = 18h18m56s.2, Decl. = +23d39'37".0 (equinox 2000.0), which is 11" east and 17" north of the nucleus of NGC 6619. Nothing is visible at this position on Palomar Sky Survey infrared, red, and blue plates. The variable was designated PSN J18185620+2339370 when it was posted at the Central Bureau's TOCP webpage and is here designated SN 2012dz based on the spectroscopic confirmation reported below. Additional CCD magnitudes for 2012dz: July 21.78, [19.2 (D. Denisenko and V. Lipunov, Sternberg Astronomical Institute at Lomonosov, Moscow State University; MASTER-Kislovodsk images); Aug. 7.615, 16.6 (Denisenko and Lipunov; two unfiltered 60-s images taken with the 0.40-m f/2.5 MASTER Amur robotic telescope + 16-megapixel camera; pre-discovery; position end figures averaged from two exposures are 56s.00, 32".9); Aug. 8.865, R_c = 16.1 (Massimiliano Martignoni, Magnago, Italy, 25-cm f/10 reflector). A comparison of the Aug. 7 and June 20 MASTER-Amur images is posted at website URL

<http://master.sai.msu.ru/static/OT/PSNJ18185620+2339370-MASTER-Amur.jpg>. L. Tomasella, P. Ochner, A. Pastorello, S. Benetti, E. Cappellaro, M. Turatto, and S. Valenti, Osservatorio Astronomico di Padova, Istituto Nazionale di Astrofisica, report that a spectrogram of PSN J18185620+2339370 = 2012dz, obtained on Aug. 8.88 UT with the Asiago 1.82-m Copernico Telescope (+ AFOSC; range 340-820 nm; resolution 2.4 nm), suggests that this is a normal type-Ia supernova. Adopting for the host galaxy, NGC 6619, a redshift $z = 0.016805$ (Wegner et al. 2003, A.J. 126, 2268; via NED), comparison with a library of supernovae spectra via GELATO (Harutyuyan et al. 2008, A.Ap. 488, 383) shows that it is a type-Ia event, a few days after B-maximum light. NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.

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