

**Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION**

Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)
CBAT@CFA.HARVARD.EDU (science)
URL <http://cfa-www.harvard.edu/iau/cbat.html> ISSN 0081-0304
Phone 617-495-7440/7244/7444 (for emergency use only)

SUPERNOVAE 2005nb, 2006B, 2006C

Further to *IAUC* 8622, R. Quimby, P. Mondol, and F. Castro, University of Texas, report the discovery of a supernova in unfiltered CCD images taken on 2005 Dec. 17.38, 2006 Jan. 3.34, and 7.35 UT (each showing the new object at mag ~ 17.2) using the 0.45-m ROTSE-IIIb telescope at the McDonald Observatory. SN 2005nb is located at $\alpha = 12^{\text{h}}13^{\text{m}}37^{\text{s}}.61$, $\delta = +16^{\circ}07'16''.2$ (equinox 2000.0; uncertainty $\pm 0''.9$), which is $1''.5$ west and $5''$ north of the center of UGC 7230 (the brighter galaxy in the pair). The supernova was found by subtracting a co-addition of images taken between 2005 Jan. 7 and Apr. 12 (limiting mag ~ 18.8). A spectrum (range 420–890 nm) of 2005nb, obtained on Jan. 8.39 UT with the 9.2-m Hobby-Eberly Telescope (+ Marcario Low-Resolution Spectrograph) by B. Roman and S. Rostopchin, shows it to be a type-Ic supernova (similar to the spectrum of SN 2002ap at 10 days past maximum (Gal-Yam *et al.* 2002, via the SUSPECT archive at <http://bruford.nhn.ou.edu/~suspect/index1.html>).

Two more apparent supernovae have been found on unfiltered CCD images: 2006B by T. Puckett and G. Sostero (cf. *IAUC* 8655; 0.60-m automated supernova patrol frames); and 2006C by W. Li (LOSS/KAIT; cf. *IAUC* 8647). Additional magnitudes for 2006B in UGC 12538: 2005 Sept. 10, [19.3 (Puckett)]; 2006 Jan. 8.02, 16.5 (Sostero, 0.45-m reflector near Udine, Italy). SN 2006B is a type-Ia supernova (cf. *CBET* 360). Additional magnitudes for 2006C: 2004 May 25.31, [19.5; 2006 Jan. 9.53, 17.4.

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	Offset
2006B	Jan. 8.02	$23^{\text{h}}21^{\text{m}}09^{\text{s}}.78$	$+33^{\circ}24'01''.2$	16.7	$1''.0$ W, $2''.9$ N
2006C	Jan. 6.54	12 02 32.50	$+41\ 02\ 40.2$	17.5	$45''.3$ W, $34''.2$ S

COMETS C/2005 W14 AND C/2005 W15 (SOHO)

Additional Kreutz comets have been found on SOHO website images (cf. *IAUC* 8654). C/2005 W14 was small, dim, and stellar in appearance on C3 images, while on C2 images it appeared slightly diffuse, reaching mag 7.1 at $6.0R_{\odot}$ on Nov. 23.838. C/2005 W15 was small, faint, and stellar in appearance on C3 images, and very faint and diffuse on C2 images.

Comet	2005 UT	α_{2000}	δ_{2000}	Inst.	F	MPEC
C/2005 W14	Nov. 23.571	$15^{\text{h}}53^{\text{m}}.0$	$-22^{\circ}57'$	C3/2	TS	2005-Y22
C/2005 W15	25.029	16 01.3	$-24\ 08$	C3/2	HS	2005-Y22