Circular No. 8657

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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 $\sim$ 17.2) using the 0.45-m ROTSE-IIIb telescope at the McDonald Observatory. SN 2005nb is located at $\alpha = 12^h13^m37^s.61$, $\delta = +16^\circ07'16''.2$ (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 $\sim$ 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	$23^h21^m09^s.78$	$+33^\circ24'01''.2$	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	$15^h53^m.0$	$-22^\circ57'$	C3/2	TS	2005-Y22
C/2005 W15	25.029	16 01.3	−24 08	C3/2	HS	2005-Y22

2006 January 12 *Daniel W. E. Green*