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INTERNATIONAL ASTRONOMICAL UNION

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COMET C/2005 G1 (LINEAR)

An object reported as apparently asteroidal by the LINEAR search program (discovery observation given below), and posted on the 'NEO Confirmation Page', has been found to show a 9″ coma and an 11″ tail in p.a. 180° on *R*-band images taken by C. Hergenrother with the 1.54-m Kuiper reflector at Catalina on Apr. 4.45 UT.

2005	UT	α_{2000}	δ_{2000}	Mag.
Apr.	1.39390	$18^h12^m30^s.94$	$+46°18'37''.3$	19.1

The available astrometry (including prediscovery LINEAR observations from Mar. 22), the preliminary parabolic orbital elements (T = 2006 Feb. 28.5 TT, q = 4.95 AU, $\omega = 114°$, $\Omega = 300°$, $i = 108°$, equinox 2000.0), and an ephemeris appear on *MPEC* 2005-G23.

SUPERNOVAE 2005az, 2005bb, AND 2005bc

Further to *IAUC* 8493, J. Burket, H. Pugh, and W. Li report the LOSS discovery of two apparent supernovae on unfiltered KAIT images. Further to *IAUC* 8499, T. Puckett and L. Cox also report their independent discovery of SN 2005bc. Tabulated LOSS discovery data:

SN	2005 UT		α_{2000}	δ_{2000}	Mag.	*Offset*
2005bb	Apr.	1.40	$12^h57^m11^s.87$	$-\ 1°42'17''.4$	19.8	$4''.1$ W, $6''.9$ N
2005bc	Apr.	2.44	14 37 15.05	+38 27 23.1	16.6	$4''.6$ E, $7''.5$ N

Additional magnitudes, from KAIT unless otherwise noted: SN 2005bb in UGC 8067, 2004 Dec. 25.41 UT, [20.5; 2005 Jan. 21.44, [19.0; Feb. 3.41, [17.5; Mar. 6.40, 18.0; Apr. 2.41, 19.0. SN 2005bc in NGC 5698, Mar. 11.43, [20.0; Apr. 4.39, 16.4 (Puckett and Cox). A Sloan Digital Sky Survey image of UGC 8067 from 2000 Feb. 12.46 showed nothing at the position of SN 2005bb (limiting mag 22.2). Puckett reports position end figures $15^s.05$, $23''.7$ for SN 2005bc.

R. Quimby, P. Hoeflich, and J. C. Wheeler, University of Texas; and C. Gerardy, Imperial College, report that a spectrogram (range 430–890 nm) of SN 2005az (cf. *IAUC* 8503), obtained on Apr. 2.42 UT with the 9.2-m Hobby/Eberly Telescope (+ Marcario Low-Resolution Spectrograph) by M. Shetrone and E. Terrazas, shows it to be a type-Ic supernova; the spectrum resembles that of SN 1994I near maximum light (e.g., Clocchiatti *et al.* 1996, *Ap.J.* **462**, 462).

2005 April 4 *Daniel W. E. Green*