

**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)

*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	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Apr. 1.39390	18 <sup>h</sup> 12 <sup>m</sup> 30 <sup>s</sup> .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,  $\omega = 114^\circ$ ,  $\Omega = 300^\circ$ ,  $i = 108^\circ$ , 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	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Offset
2005bb	Apr. 1.40	12 <sup>h</sup> 57 <sup>m</sup> 11 <sup>s</sup> .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<sup>s</sup>.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).