## 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://www.cfa.harvard.edu/iau/cbat.html ISSN 0081-0304 Phone 617-495-7440/7244/7444 (for emergency use only)

## COMET C/2009 B2 (LINEAR)

An apparently asteroidal object that was discovered by the LINEAR survey (discovery observation tabulated below) has been found to show cometary appearance by CCD astrometrists elsewhere, following posting on the Minor Planet Center's 'NEOCP' webpage. F. Hormuth (Calar Alto 1.23-m reflector, Jan. 30.2 UT) writes that an unfiltered, stacked, 600-s image shows a coma diameter of  $\sim 5''$  and a short, faint tail of length  $\sim 10''$  in p.a.  $\sim 340^{\circ}$ . J. Young (Table Mountain 0.61-m f/16 Cassegrain reflector, Jan. 31.50–31.55) notes a coma of diameter 8'' with a small bright area slightly southeast of a broad and very short extension spanning p.a. 310°-340°. R. S. McMillan (0.9-m f/3 Spacewatch reflector, Jan. 31.5; apparent independent discovery) reports a short 8'' tail toward the north.

2009	UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Observer
Jan. 2	9.47388	$14^{^{ m h}}50^{^{ m m}}27^{^{ m s}}51$	$-15^{\circ}38^{'}30^{''}9$	19.4	LINEAR

The available astrometry, the following preliminary parabolic orbital elements by B. G. Marsden, and an ephemeris appear on  $MPEC\ 2009$ -B91.

## COMET P/2008 Y1 (BOATTINI)

Additional astrometry has shown that this comet (cf.  $IAUC\,9007$ ) is of short period, the following orbital elements taken from  $MPEC\,2009$ -B62:

## COMET P/2008 Y3 (McNAUGHT)

Additional astrometry has shown that this comet (cf. IAUC 9009) is of short period; the following orbital elements were published on MPC 64767: Epoch = 2009 Jan. 9.0 TT, T=2009 Jan. 11.9366 TT,  $e=0.447539,\,q=4.434228$  AU,  $\omega=238^{\circ}\!.2745,\,\Omega=262^{\circ}\!.9356,\,i=38^{\circ}\!.8137$  (equinox 2000.0), P=22.74 years.