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

## COMET P/2005 R2 (VAN NESS)

M. E. Van Ness, Lowell Observatory, reports his discovery of a comet on images taken by himself with the LONEOS telescope (discovery observation tabulated below); the new object shows a moderately condensed elongated coma of diameter 20" with a fan-shaped tail 245" long in p.a. 240°. Following posting on the 'NEO Confirmation Page', several other observers have noted the object's cometary nature on their CCD images — including D. Kyrylenko, O. Gerashchenko, V. Lokot, and Y. Ivashchenko (Zhytomyr reg, Ukraine, Sept. 10.8 UT; 2' tail in p.a. 250°); E. Reina Lorenz (Masquefa, Spain, Sept. 11.0; 50" coma and 100" tail); C. Jacques and E. Pimentel (Belo Horizonte, Minas Gerais, Brazil, Sept. 11.25; elongated coma of diameter 9" × 12" and red mag 15.8–16.1 with a broad 50" fan tail in p.a. 240°); and J. E. McGaha (Tucson, AZ, Sept. 11.27–11.29; six 60-s co-added images show a 12" × 18" coma elongated with a narrow, fan-shaped tail 115" long in in p.a. 236°).

2005 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Sept. 10.40	$2^{\text{h}}26^{\text{m}}37^{\text{s}}95$	$+28^{\circ}36'18''9$	17.0

The available astrometry (including prediscovery LINEAR observations on Aug. 16 and 31), the following orbital elements, and an ephemeris appear on MPEC 2005-R54.

## COMET P/2004 $FY_{140}$ (LINEAR)

An apparently asteroidal object discovery by LINEAR (discovery observation below, from MPS 104067; orbital elements on MPO 66354) has been found by C. Hergenrother, Lunar and Planetary Laboratory, to have been consistently non-stellar on individual and co-added R-band frames taken on 2004 May 19 and 20 UT; images taken on 2005 July 5 and 6 with the Catalina 1.54-m reflector failed to show the object for 15' along the line-of-variation (limiting mag  $V \sim 22$ ; predicted mag near  $V \sim 19$ ).

2004 UT	$lpha_{2000}$	$\delta_{2000}$	Mag.
Mar. 27.33098	$12^{^{\mathrm{h}}} 37^{^{\mathrm{m}}} 49.21$	$-6^{\circ}08^{'}44^{''}_{.6}$	18.1