Circular No. 8912

## Central Bureau for Astronomical Telegrams INTERNATIONAL ASTRONOMICAL UNION

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

## COMET P/2008 A2 (LINEAR)

An apparently asteroidal object discovered by the LINEAR survey (discovery observation tabulated below), and posted on the Minor Planet Center's 'NEOCP' webpage, has been found to show cometary appearance on images obtained at Table Mountain: CCD images on Jan. 16.24–16.26 UT by J. Young (0.61-m reflector) show a 5"-6" round coma of mag 19.0 and a bright central condensation in marginal seeing, and a 4" coma is visible on images from Jan. 19.1. Young adds that the comet has changed brightness considerably, being at mag 19.5 on Jan. 14, 19.3 on Jan. 18, and 20.2 on Jan. 19 — though the coma is less pronounced on these other dates (the Jan. 18 images were obtained by D. Mayes).

2008 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Jan. 13.22223	$6^{h}03^{m}22.94$	$+43^{\circ}46^{'}02^{''}\!\!8$	20.1

The available astrometry, the following elliptical orbital elements, and an ephemeris appear on MPEC 2008-B18.

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T = 2008 June 12	$.932 \text{ TT}$ $\omega$	, =	233.546
e = 0.59071	ſ	2 =	315.368 2000.0
q = 1.30603  AU			19.260 J
a = 3.19100  AU	$n^{\rm o} = 0.172908$	3	P = 5.70 years

## COMETS C/2007 T12-T14, C/2007 U3, C/2007 U4 (SOHO)

Further to *IAUC* 8910, additional Kreutz-sungrazing comets have been found on SOHO website images, as tabulated below. C/2007 T12 was small and diffuse (mag 7.5). C/2007 T13 was extremely faint (mag ~ 8) and diffuse. C/2007 T14 was extremely faint (mag ~ 7.5) and tiny in C3coronagraph images, and stellar in appearance (mag 7.5) in C2 images. C/2007 U3 was stellar in appearance (mag ~ 6) in C3 images, and fairly condensed with a hint of a thin, faint tail in C2 images. C/2007 U4 was diffuse and elongated (mag 7.5).

Comet	2007 UT	$\alpha_{2000}$	$\delta_{2000}$	Inst.	$\mathbf{F}$	MPEC
C/2007 T12	Oct. 13.579		$-8^{\circ}43^{\prime}$		AK	2008-A50
C/2007 T13	15.329	$13 \ 12.4$	-911	C2	HS	2008 - A50
C/2007 T14	15.471	13  14.9	-955	C3/2	HS	2008 - A50
C/2007~U3	24.113	$13 \ 37.3$	-13  35	C3/2	HS	2008 - A51
C/2007 U4	24.146	$13 \ 46.9$	-12  39	C2	HS	2008 - A51

2008 January 19

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