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INTERNATIONAL ASTRONOMICAL UNION

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 URL <http://cfa-www.harvard.edu/iau/cbat.html> ISSN 0081-0304
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COMET C/2007 C1 (CHRISTENSEN)

E. J. Christensen reports his discovery of a comet on CCD images taken with the Catalina Sky Survey's 0.68-m Schmidt telescope (discovery observation tabulated below), the object displaying a 12''–15'' coma, slightly elongated toward p.a. 240° on four co-added 30-s exposures obtained in average seeing and light cirrus. Christensen adds that four co-added 60-s exposures on Feb. 10.2 UT in average seeing show a 10'' coma and 15'' tail in p.a. 250°. Following posting on the Minor Planet Center's 'NEOCP' webpage, G. Sostero and E. Guido write that thirty co-added 180-s unfiltered CCD exposures taken on Feb. 10.05–10.09 with a 0.45-m *f*/4.4 reflector at Remanzacco, Italy, show a compact coma 12'' in diameter and a short tail 16'' long toward p.a. 260°.

2007 UT	α_{2000}	δ_{2000}	Mag.
Feb. 9.28032	10 ^h 16 ^m 07.17 ^s	+27°03'13.4''	18.8

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2007-C50. It is possible that this comet is of short period.

$$\left. \begin{array}{l} T = 2007 \text{ June } 3.159 \text{ TT} \\ q = 1.42180 \text{ AU} \end{array} \right\} \begin{array}{l} \omega = 185.355 \\ \Omega = 27.726 \\ i = 9.092 \end{array} \left. \vphantom{\begin{array}{l} T \\ q \end{array}} \right\} 2000.0$$

COMETS C/2006 U14, C/2006 U15, C/2006 U16 (SOHO)

Additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8788). K. Battams notes that C/2006 U14 was stellar in appearance and of mag ~ 7 in C3 images, while it appeared "condensed" and small in C2 images. C/2006 U15 was very small, faint, and a little diffuse. C/2006 U16 (which was independently reported by T. Chen, H. Su, and R. Kracht) was stellar in appearance and very faint (mag ~ 8).

Comet	2006 UT	α_{2000}	δ_{2000}	Inst.	F	<i>MPEC</i>
C/2006 U14	Oct. 28.096	13 ^h 57 ^m .5	−14°42'	C3/2	HS	2007-B37
C/2006 U15	28.329	14 04.5	−14 15	C2	LC	2007-B37
C/2006 U16	30.604	14 13.9	−15 05	C2	TC	2007-B37