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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	$10^h16^m07^s.17$	$+27°03'13''.4$	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.

$$\begin{array}{llll} T = 2007\text{ June } 3.159\text{ TT} & \omega = 185^\circ.355 & \\ & \Omega = 27.726 & \left.\right\} 2000.0 \\ q = 1.42180\text{ AU} & i = 9.092 & \end{array}$$

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	*MPEC*
C/2006 U14	Oct. 28.096	$13^h57^m.5$	$-14°42'$	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

2007 February 10 *Daniel W. E. Green*