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COMETS C/2006 S10 AND C/2006 S11 (SOHO)

Two additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8772). K. Battams notes that C/2006 S10 was small and stellar in appearance (mag ~ 6) in C3 coronagraph images, while in C2 images it appeared very small, faint, and diffuse. C/2006 S11 was small with a hint of tail and peaked in brightness at mag ~ 5.5 in C3 images, but it was very diffuse and elongated in C2 images.

Comet	2006	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2006 S10	Sept.	18.763	$11^{h}23^{m}.9$	$+\ 0^{\circ}38'$	C3/2	RM	2006-U63
C/2006 S11		18.821	11 24.9	+ 0 43	C3/2	RM	2006-U63

COMET C/2006 V1 (CATALINA)

Regarding an apparently asteroidal object found the previous night in the course of the Catalina Sky Survey, E. J. Christensen reports that four stacked 60-s CCD exposures obtained in poor seeing with the 1.5-m reflector at Mount Lemmon on Nov. 12.5 UT show an asymmetric 8″ coma, slightly extended toward p.a. 310°. Following posting by the Minor Planet Center on its 'NEOCP' webpage, J. Young writes that his CCD images taken with the Table Mountain 0.61-m reflector on Nov. 15.43–15.48 UT show a round 6″-diameter coma with little or no central condensation and a suspected very weak, narrow, straight tail in p.a. ~ 300°. R. A. Kowalski reports that CCD images obtained with the Mount Lemmon 1.5-m reflector on Nov. 15.5 in poor seeing show a slightly condensed nucleus with a coma diameter of ≈ 11″.

2006	UT	α_{2000}	δ_{2000}	Mag.
Nov.	11.49270	$10^{h}55^{m}05^{s}.44$	$+10^{\circ}48'36''.7$	18.5

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-V63.

$$T = 2007 \text{ Nov. } 24.545 \text{ TT} \qquad \left.\begin{array}{l}\omega = 244^{\circ}.398 \\ \Omega = 336.244 \\ i = 30.017\end{array}\right\} 2000.0$$

$$q = 3.06870 \text{ AU}$$

2006 November 15 *Daniel W. E. Green*