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COMETS C/2006 S12, C/2006 S13, C/2006 T2–T9 (SOHO)

Additional apparent comets have been found on SOHO website images (cf. *IAUC* 8774), all being Kreutz sungrazers except C/2006 T6 (Meyer group). K. Battams notes that C/2006 S12 was small, stellar in appearance, and around mag 6 in C3 coronagraph images, while it appeared slightly diffuse with no tail in C2 images. C/2006 S13 was very small and around mag 7 in C3 frames, and it appeared small, quite diffuse, and extremely faint in C2 exposures. C/2006 T2 was small, stellar in appearance, and around mag 6 in C3 images, and quite diffuse and faint in C2 frames. C/2006 T3 was tiny, stellar in appearance, and of mag ~ 7.5 in C3 exposures, but it appeared very diffuse and faint in C2 images. C/2006 T4 (which was also found by T. Chen) was diffuse and extremely faint (mag 7.5–8.0) in C3 images, and extremely diffuse and faint in C2 frames. C/2006 T5 was slightly diffuse, extremely small, and faint (mag ~ 8). C/2006 T6 was tiny and stellar in appearance in all exposures, being very faint (mag 7.5–8) in C3 frames and fading rapidly in C2 images. C/2006 T7 and C/2006 T9 were extremely faint (mag ~ 8.5) and diffuse with no tail. C/2006 T8 was tiny, stellar in appearance, and of mag ~ 7.5 in C3 images, while C2 frames showed it to be faint and diffuse with a hint of tail.

Comet	2006	UT	α_{2000}	δ_{2000}	Inst.	F	<i>MPEC</i>
C/2006 S12	Sept.	26.763	11 ^h 48 ^m .2	– 2° 50′	C3/2	RM	2006-W64
C/2006 S13		30.433	12 11.9	– 3 48	C3/2	HS	2006-W64
C/2006 T2	Oct.	2.113	12 11.4	– 4 52	C3/2	RM	2006-W64
C/2006 T3		3.263	12 21.6	– 4 59	C3/2	HS	2006-W64
C/2006 T4		3.279	12 21.5	– 5 01	C3/2	GS	2006-W64
C/2006 T5		6.314	12 40.7	– 5 43	C2	WX	2006-W65
C/2006 T6		9.904	12 49.9	– 5 28	C3/2	BZ	2006-W65
C/2006 T7		10.379	12 54.7	– 7 18	C2	BZ	2006-W65
C/2006 T8		15.429	13 08.2	– 9 54	C3/2	TH	2006-W65
C/2006 T9		15.881	13 15.6	– 9 35	C2	TH	2006-W65

COMET C/2006 W3 (CHRISTENSEN)

Improved orbital elements (cf. *IAUC* 8777) from *MPEC* 2006-W76:

$$\begin{array}{rcl}
 T = 2009 \text{ Apr. } 23.508 \text{ TT} & \omega = 142.308 & \\
 q = 2.38612 \text{ AU} & \Omega = 112.317 & \\
 & i = 125.410 & \left. \vphantom{\begin{array}{l} \omega \\ \Omega \\ i \end{array}} \right\} 2000.0
 \end{array}$$