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COMETS C/2007 S5–S10 AND C/2007 T7–T11 (SOHO)

Further to *IAUC* 8896, additional Kreutz-sungrazing comets have been found on SOHO website images, as tabulated below. C/2007 S5 was bright (mag 4) and teardrop-shaped in C3-coronagraph images; C2 images showed a long (0°.75), thin tail. C/2007 S6, C/2007 S8, C/2007 S9, and C/2007 T8 were described by K. Battams as tiny and stellar in appearance (mag $\sim$ 7, except mag 7.5 for C/2007 S8) in C3 images; C2 images showed C/2007 S6 and C/2007 S8 to be very faint and diffuse, while C/2007 S9 was "fuzzy" and faint, and C/2007 T8 was diffuse. C/2007 S7 appeared very diffuse and faint (mag 8). C/2007 S10 and C/2007 T7 were also small and stellar in appearance (mag $\sim$ 6) in C3 images, with the former being diffuse and the latter a bit diffuse with a hint of tail in C2 images. C/2007 T9 (also found by R. Matson and T. Hoffman) was small and stellar in appearance (mag 6.5) in C3 images, and diffuse with a hint of tail in C2 images. C/2007 T10 was stellar in appearance (mag 7) in C3 images, and diffuse in C2 images. C/2007 T11 was very faint (mag $\sim$ 8) and diffuse.

Comet	2007	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2007 S5	Sept.	26.654	11^h41^m.2	− 2°48′	C3/2	RM	2008-A40
C/2007 S6		28.263	12 04.0	− 2 39	C3/2	HS	2008-A40
C/2007 S7		28.704	12 11.4	− 2 44	C2	HS	2008-A40
C/2007 S8		29.263	12 05.4	− 3 11	C3/2	HS	2008-A40
C/2007 S9		29.471	12 06.0	− 3 25	C3/2	HS	2008-A40
C/2007 S10		30.013	12 02.8	− 3 57	C3/2	BZ	2008-A40
C/2007 T7	Oct.	4.696	12 22.7	− 5 44	C3/2	RM	2008-A41
C/2007 T8		10.471	12 45.1	− 7 58	C3/2	RM	2008-A41
C/2007 T9		10.821	12 44.5	− 8 19	C3/2	BZ	2008-A41
C/2007 T10		11.071	12 51.0	− 8 01	C3/2	HS	2008-A50
C/2007 T11		13.456	13 05.7	− 8 36	C2	HS	2008-A50

COMET 29P/SCHWASSMANN-WACHMANN

This comet appears to be undergoing an outburst in brightness, as indicated by the following visual total-magnitude estimates: 2007 Dec. 9.73 UT, 14.5 (S. Yoshida, Gunma, Japan, 0.40-m reflector); 31.10, 12.9 (M. Goiato, Aracatuba, Brazil, 0.22-m reflector); 2008 Jan. 3.87, 12.2 (J. J. Gonzalez, Asturias, Spain, 0.20-m refl.); 4.43, 12.8 (Yoshida); 11.89, 11.8 (M. L. Paradowski, Poleski National Park, Poland, 0.20-m refl.); 13.83, 11.4 (Gonzalez); 14.90, 11.3 (V. Nevski, Vitebsk, Belarus, 0.3-m refl.).

2008 January 15 *Daniel W. E. Green*