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COMETS C/2007 V11–V14, C/2007 W4–W12, C/2007 X1–X4 (SOHO)

Further to *IAUC* 8918, additional near-sun comets have been found on SOHO website images, as tabulated below; all were Kreutz sungrazers except for C/2007 X1 (no known group affiliation). C/2007 V11 was bright (mag 4) with a short tail in C3 images; in C2 images, it also showed a short, faint tail. C/2007 V12 was diffuse with a hint of faint tail (mag ~ 7). C/2007 V13 and C/2007 X2 were extremely faint (mag ~ 8.5) and diffuse. C/2007 V14 was tiny and stellar in appearance (mag ~ 7.5). C/2007 W4 and C/2007 X1 were small and stellar in appearance (mag ~ 6.5). C/2007 W5 was tiny, very faint (mag ~ 8), and slightly diffuse. C/2007 W6 was tiny, very faint (mag ~ 7.5), and quite diffuse. C/2007 W7 was stellar in appearance (mag 6.5) in C3 images, and it appeared as a bright 'teardrop' in C2 images. C/2007 W8 was faint (mag 7.5) and very diffuse. C/2007 W9 was very small and diffuse (mag 8). C/2007 W10, which was also found by M. Kusiak, was very diffuse and elongated (mag 7.5). C/2007 W11 and W12 were small and somewhat diffuse (mag 7). C/2007 X3 was tiny, faint (mag 7.5), and slightly diffuse. C/2007 X4 was stellar in appearance (mag ~ 5.5) in C3 images, and quite condensed and teardrop-shaped in C2 images.

Comet	2007	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2007 V11	Nov.	10.596	$14^h38^m.9$	$-21°10'$	C3/2	HS	2008-B09
C/2007 V12		11.118	14 59.6	−18 41	C2	SY	2008-B09
C/2007 V13		13.435	15 09.3	−19 26	C2	RK	2008-B09
C/2007 V14		14.643	15 14.5	−19 44	C2	RK	2008-B09
C/2007 W4		19.113	15 27.2	−22 21	C3	MA	2008-B10
C/2007 W5		19.310	15 34.0	−20 57	C2	HS	2008-B10
C/2007 W6		22.758	15 49.2	−21 48	C2	RK	2008-B10
C/2007 W7		23.154	15 42.3	−24 10	C3/2	BZ	2008-B10
C/2007 W8		23.692	15 53.5	−22 03	C2	HS	2008-B10
C/2007 W9		23.217	15 54.3	−22 09	C2	TH	2008-B35
C/2007 W10		24.125	15 55.9	−22 11	C2	HS	2008-B35
C/2007 W11		29.354	16 20.2	−23 20	C2	RK	2008-B35
C/2007 W12		30.829	16 27.0	−23 34	C2	HS	2008-B35
C/2007 X1	Dec.	3.064	16 29.0	−21 01	C2	MU	2008-B36
C/2007 X2		4.713	16 44.9	−24 07	C2	HS	2008-B36
C/2007 X3		4.814	16 44.2	−24 07	C2	RK	2008-B36
C/2007 X4		5.388	16 41.8	−26 35	C3/2	HS	2008-B36

2008 February 7 *Daniel W. E. Green*