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COMETS C/2006 K7–K21, C/2006 L3–L5 (SOHO)

Additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8727, 8737; LC = L. Cane). C/2006 K7 is described by K. Battams as being slightly diffuse and small, reaching mag 8.1 on May 18.313 UT at $6.1R_{\odot}$. C/2006 K8 was faint, quite diffuse, and too faint for photometry. C/2006 K9 was extremely faint and diffuse. C/2006 K10 was very faint, diffuse, and slightly elongated. C/2006 K11 appeared small and stellar in C3 images, while in C2 images it reached mag $\sim$ 6.5 and had a tail that reached a length of 113″ on May 23.254. C/2006 K12 was small, diffuse, and very faint. C/2006 K13 and K14 were a fairly close pair — both being very small and faint — the former (the leading fragment) being diffuse and the brighter of the two, and the latter being slightly diffuse. C/2006 K15, K16, K18, K19, and C/2006 L5 were all faint and slightly diffuse; C/2006 K15 and K19 were described as tiny, the other two as small. C/2006 K17 and K20 were diffuse, the former extremely faint and the latter very small. C/2006 K15–20 all peaked in the magnitude range 8–9. C/2006 K21 was small and stellar in appearance, peaking at mag $\sim$ 4.5 in C3 images at $\sim 13R_{\odot}$; there was a vague hint of a tail in C2 images. C/2006 L3 was very faint and diffuse. C/2006 L4 was tiny and slightly diffuse.

Comet	2006	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2006 K7	May	18.314	$3^h42^m.4$	$+18°00'$	C2	LC	2006-M28
C/2006 K8		18.898	3 45.2	+18 09	C2	BZ	2006-M28
C/2006 K9		19.913	3 47.6	+18 13	C2	RM	2006-M28
C/2006 K10		20.564	3 51.0	+18 26	C2	WX	2006-M30
C/2006 K11		22.513	4 03.3	+17 20	C3/2	HS	2006-M30
C/2006 K12		22.754	3 59.4	+18 50	C2	HS	2006-M30
C/2006 K13		24.421	4 05.8	+19 08	C2	GS	2006-M30
C/2006 K14		24.438	4 05.8	+19 09	C2	RM	2006-M30
C/2006 K15		25.004	4 07.7	+19 12	C2	TC	2006-M64
C/2006 K16		25.913	4 11.4	+19 22	C2	RM	2006-M64
C/2006 K17		25.938	4 11.5	+19 21	C2	RM	2006-M64
C/2006 K18		26.413	4 11.9	+19 24	C2	GS	2006-M64
C/2006 K19		29.300	4 23.9	+19 51	C2	HS	2006-M64
C/2006 K20		29.408	4 24.7	+19 54	C2	TC	2006-M64
C/2006 K21		29.554	4 32.8	+17 18	C3/2	VB	2006-O20
C/2006 L3	June	1.908	4 38.1	+20 21	C2	GS	2006-O20
C/2006 L4		4.592	4 48.2	+20 39	C2	WX	2006-O20
C/2006 L5		8.058	5 00.7	+20 56	C2	HS	2006-O20

2006 August 9 *Daniel W. E. Green*