

**Central Bureau for Astronomical Telegrams**  
**INTERNATIONAL ASTRONOMICAL UNION**

Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.  
 IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)  
 CBAT@CFA.HARVARD.EDU (science)  
 URL <http://cfa-www.harvard.edu/iau/cbat.html> ISSN 0081-0304  
 Phone 617-495-7440/7244/7444 (for emergency use only)

*COMET C/2006 K1 (McNAUGHT)*

R. H. McNaught reports his discovery of a comet (discovery observation tabulated below) on CCD images taken with the 0.5-m Uppsala Schmidt telescope in the course of the Siding Spring Survey, noting the object to be diffuse and extended 10'' in p.a. 240°. Deeper images taken by McNaught on May 17.8 UT show a strongly condensed coma with a fan tail spanning ~ 50°. Five stacked 1-min images taken by A. C. Gilmore with the Mt. John 0.6-m *f*/6.4 reflector on May 18.53–18.56 show a weakly condensed coma ~ 10'' in diameter and a short tail suspected to the west-northwest.

2006	UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
May 17.71978		22 <sup>h</sup> 53 <sup>m</sup> 07.97	−60°38′18.1	17.6

The available astrometry, the following very preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-K13.

$$\left. \begin{array}{l} T = 2007 \text{ May } 20.951 \text{ TT} \\ q = 1.42581 \text{ AU} \end{array} \right\} \begin{array}{l} \omega = 7.358 \\ \Omega = 48.990 \\ i = 46.843 \end{array} \left. \vphantom{\begin{array}{l} T \\ q \end{array}} \right\} 2000.0$$

*COMETS C/2006 B5, C/2006 B6, C/2006 C1–C3, C/2006 D2 (SOHO)*

Additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8694). C/2006 B5 and C/2006 C3 were described by K. Battams as tiny, stellar, and extremely faint. C/2006 B6, which was independently found by Q. Ye, was quite condensed and slightly elongated, reaching mag 4.3 on Jan. 30.638 UT at ~ 10.8 $R_{\odot}$ . C/2006 C1 was small and stellar, reaching mag 6.4 on Feb. 8.404 at 12.4 $R_{\odot}$ . C/2006 C2 was elongated and peaked at mag ~ 5.5, but good photometry was not possible due to a large data gap. C/2006 D2 was very small and faint in C3 images, and extremely faint and diffuse in C2 images.

Comet	2006	UT	$\alpha_{2000}$	$\delta_{2000}$	Inst.	F	<i>MPEC</i>
C/2006 B5	Jan.	26.821	20 <sup>h</sup> 51.6	−20°08′	C3	RM	2006-J50
C/2006 B6		29.821	21 12.8	−20 29	C3	KB	2006-J50
C/2006 C1	Feb.	7.988	21 46.5	−16 41	C3	RM	2006-J50
C/2006 C2		9.513	21 58.1	−16 53	C3	SF	2006-J50
C/2006 C3		10.904	21 53.8	−15 25	C3	SF	2006-J51
C/2006 D2		16.571	22 18.6	−14 08	C3/2	HS	2006-J51