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)

SATELLITES OF SATURN

Further to *IAUC* 8523, S. S. Sheppard, D. C. Jewitt, and J. Kleyna report the discovery of nine new satellites of Saturn (S/2004 S 19 and S/2006 S 1–S/2006 S 8) in data obtained during 2004 Dec.–2005 Mar. and 2006 Jan.–Apr. with the Subaru 8.2-m reflector, aided by B. G. Marsden's ongoing linkages and search ephemerides. The astrometry and orbital data appear on *MPECs* 2006-M44, 2006-M45, and 2006-M48, showing retrograde orbits with orbital periods ranging from 862 to 1300 days.

SUPERNOVAE 2006dj, 2006dk, 2006dl

Three additional supernovae have been discovered on unfiltered CCD images: 2006dj and 2006dl by M. Baek and W. Li (LOSS/KAIT; cf. *IAUC* 8725), and 2006dk by M. Migliardi (communicated by A. Dimai; cf. *IAUC* 7373).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006dj	June 5.46	$22^h59^m22^s.89$	$+53^\circ44'09''.8$	18.9	$0''.5$ E, $15''.0$ S
2006dk	June 25.88	12 11 34.35	+57 44 26.3	16.3	$6''$ E, $11''$ N
2006dl	June 29.24	13 05 16.73	+25 57 27.8	18.0	$9''.5$ E, $0''.2$ N

Additional KAIT magnitudes for 2006dj in UGC 12287: 2000 Oct. 7.24 UT, [20.0; 2006 June 25.46, 18.9; 26.43, 18.9. Additional CROSS magnitudes for 2006dk in NGC 4161: Jan. 30, [18.5; June 26.87, 16.2. Nothing appears at the location of 2006dk on Palomar Sky Survey infrared, red, and blue plates. A spectrogram obtained on June 26.92 shows that SN 2006dk is a type-II supernova close to the time of explosion (details on *CBET* 565). Additional magnitudes for 2006dl in MCG +04-31-5: June 19.26, [19.5; 30.23, 18.0.

COMETS C/2006 J12 AND C/2006 K6 (SOHO)

Additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8724; GS = G. Sun) — both described by K. Battams as being small and stellar in appearance, with no tails. C/2006 K6 reached mag 6.5 on May 17.246 UT at $5.5R_\odot$ in C2 images.

Comet	2006 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2006 J12	May 15.646	$3^h31^m.6$	$+17^\circ23'$	C2	GS	2006-M28
C/2006 K6	17.071	3 38.1	+17 24	C3/2	RM	2006-M28

2006 June 30 *Daniel W. E. Green*