Circular No. 8758

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)

SUPERNOVAE 2006ha–2006iu

Forty-seven additional apparent supernovae have been announced on *CBETs* (those reported as brighter than mag 18.5 are tabulated below), including 25 supernovae found on g, r, and i images and reported by J. Frieman on behalf of the SDSS II collaboration (most in the magnitude range g = 20–23; 2006hc–2006hm, 2006ho–2006ib; details on *CBETs* 650, 654, 656, and 657), sixteen supernovae found by the "Nearby Supernova Factory" (NSF) collaboration (2006ic–2006ir; details on *CBET* 658); and the following six apparent supernovae discovered on unfiltered CCD images: 2006ha, 2006hb, 2006is, 2006it, and 2006iu by the Lick Observatory Supernova Search (via N. Joubert, R. Mostardi, R. R. Prasad, N. Lee, M. Baek, and W. Li; cf. *IAUC* 8754); and 2006hn by A. Sehgal, R. Gagliano, and T. Puckett (cf. *IAUC* 8754; 0.50-m reflector at Osoyoos, BC).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006ha	Sept. 27.24	$22^h58^m34^s.30$	$+15°10'25''.8$	18.4	$0''.6$ W, $3''.2$ N
2006hb	Sept. 27.52	5 02 01.28	–21 07 55.1	15.7	$8''.6$ E, $18''.2$ N
2006hn	Sept. 28.46	11 07 18.67	+76 41 49.8	15.6	$7''.6$ N
2006im	Sept. 14.3	22 07 58.11	–23 05 49.9	18.3	—
2006ir	Sept. 23.3	23 04 35.68	+ 7 36 21.5	16.9	—
2006is	Sept. 18.54	5 17 34.37	–23 46 54.2	17.0	$2''.1$ W, $4''.9$ N
2006it	Oct. 1.17	20 43 51.38	+12 30 30.9	17.6	$34''.4$ W, $12''.0$ S
2006iu	Oct. 1.51	6 36 41.13	+37 36 05.0	17.9	$0''.6$ E, $2''.0$ N

Additional magnitudes for 2006ha in IC 1461: Sept. 10.24 UT, [19.0; 19.25, [19.2; 26.25, 18.9. Additional magnitudes for 2006hb in MCG –04-12-34: Feb. 24.12, [19.0; Sept. 11.51, 18.0. SN 2006hb is a subluminous type-Ia supernova, near maximum brightness at discovery (details on *CBET* 652). Additional magnitudes for 2006hn in UGC 6154: June 8, [19.5 (Puckett); Sept. 29.21, 15.5 (Sehgal). Of the SDSS and NSF discoveries, eight are type-II supernovae (2006ho, 2006hz, 2006ic, 2006ih, 2006ii, 2006ij, 2006im, 2006in), two are type-Ib/c supernovae (2006ip, 2006ir), and the rest appear to be type-Ia supernovae. Additional magnitudes for 2006is: Feb. 4.11, [19.0; Sept. 19.54, 16.8; 28.51, 16.4. There are several faint galaxies visible on the Digitized Sky Survey images in the neighborhood of 2006is, which is a type-Ia supernova around maximum light on Sept. 30 (details on *CBET* 659). Additional magnitudes for 2006it in NGC 6956: Sept. 26.19, [19.2; Oct. 7.24, 17.5. SN 2006it is a type-IIP supernova (details on *CBET* 665). Additional magnitudes for 2006iu: Feb. 24.11, [19.0; Oct. 8.53, 18.1.

2006 October 11 *Daniel W. E. Green*