Circular No. 8813

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 2007V, 2007W, 2007X, 2007Y, 2007Z

Five apparent supernovae have been discovered on unfiltered CCD frames and reported to the Central Bureau: 2007V by N. Joubert and W. Li (LOSS/KAIT; cf. *IAUC* 8804); 2007Z by E. J. Christensen (Mt. Lemmon Survey 1.5-m telescope); and the rest by L. A. G. Monard (Pretoria, S. Africa, 0.35-m reflector). Discovery observations:

SN	2007 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2007V	Feb. 12.46	$10^h27^m05^s.58$	$-3^\circ18'05''.1$	17.9	$0''.3$ E, $1''.8$ S
2007W	Feb. 15.037	13 21 48.50	–13 12 56.9	17.1	8″ W, 33″ S
2007X	Feb. 15.068	14 30 14.50	–36 57 53.1	15.3	30″ E, 2″ S
2007Y	Feb. 15.774	3 02 35.92	–22 53 50.1	17.5	24″ W, 110″ S
2007Z	Feb. 17.221	5 15 42.68	+19 21 49.5	17.5	$10''.4$ W, $2''.7$ N

Additional information is available on these objects on the following *Electronic Telegrams*: 2007V, *CBET* 841 (type Ia, discovered ~ 1 month past maximum); 2007W in NGC 5105, *CBETs* 844 and 846 (type II); 2007X in ESO 385-G32, *CBETs* 844 and 849 (young type II); 2007Y in NGC 1187, *CBET* 845; 2007Z in PGC 16993, *CBETs* 847 and 849 (young type II). Additional LOSS/KAIT magnitudes for 2007Y from R. Mostardi and W. Li: 2006 Dec. 24.27 UT, [18.1; 2007 Jan. 19.23, [17.5; 26.21, [17.3; Feb. 15.15, 16.7 (independent discovery). Li provides position end figures 35s.94, 49".4 for 2007Y.

COMETS C/2006 W5, C/2006 W6, C/2006 W7, C/2006 X2 (SOHO)

Additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8811). K. Battams notes that C/2006 W5 appeared as a fuzzy streak ~ 2′ long and quite faint (mag ~ 7.5). C/2006 W6 was very small, quite diffuse, and very faint (mag 8). C/2006 W7 was also very small and faint (mag ~ 7.5), and slightly diffuse. C/2006 X2 was very diffuse, faint, and somewhat elongated.

Comet	2006 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2006 W5	Nov. 20.004	$15^h40^m.3$	$-21^\circ16'$	C2	TH	2007-B76
C/2006 W6	20.038	15 40.2	−21 21	C2	TH	2007-B76
C/2006 W7	25.479	16 03.1	−22 28	C2	RK	2007-B76
C/2006 X2	Dec. 9.049	17 04.6	−24 41	C2	RK	2007-B76

2007 February 26 *Daniel W. E. Green*