Circular No. 8829

Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION

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E. O. Waagen, AAVSO, reports that this apparent WZ Sge-type cataclysmic variable is in outburst for the first time since its discovery in 1983 (cf. *IAUC* 3854). Selected visual magnitude estimates (see also *CBET* 922): Apr. 12.126 UT, [12.0 (P. Schmeer, Bischmisheim, Germany); 12.494, 13.8 (R. Stubbings, Drouin, Vic., Australia); 12.569, 13.4 (A. Pearce, Nedlands, W. Australia; revision to *CBET* 922); 12.617, 12.5 (Pearce; revision to *CBET* 922); 12.659, 11.8 (Stubbings); 12.853, 9.9 (Pearce).

SUPERNOVAE 2007av–2007bd

Several supernovae have been discovered on unfiltered CCD frames: 2007av and 2007ax by R. Arbour (cf. *IAUC* 8496); and the rest by W. Li (LOSS/KAIT; cf. *IAUC* 8822; with R. Mostardi for 2007aw and 2007ay, with D. Winslow for 2007az and 2007ba, with N. Joubert for 2007bb, and with R. Prasad for 2007bc and 2007bd). Discovery observations:

SN	2007 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2007av	Mar. 20.84	$10^h34^m43^s.17$	$+11^\circ11'38''.3$	15.5	$5''.9$ E, $14''.9$ S
2007aw	Mar. 22.26	9 57 24.16	–19 21 23.1	18.1	$3''.3$ E, $5''.2$ S
2007ax	Mar. 21.98	8 22 43.26	+22 33 16.9	17.2	$2''.6$ W, $5''.5$ N
2007ay	Mar. 22.21	8 17 14.85	+ 1 12 06.9	17.1	$12''.7$ W, $16''.4$ S
2007az	Mar. 6.27	8 25 23.80	+69 54 29.4	18.9	—
2007ba	Mar. 29.49	15 16 42.63	+ 7 23 47.8	18.2	$11''.5$ E, $0''.9$ S
2007bb	Apr. 2.15	7 01 07.46	+51 15 57.3	17.2	$22''.3$ E, $14''.0$ S
2007bc	Apr. 4.32	11 19 14.57	+20 48 32.5	16.1	$29''.2$ W, $16''.5$ S
2007bd	Apr. 4.18	8 31 33.28	− 1 11 58.0	18.4	$7''.6$ E, $5''.1$ N

Additional information is available on *Electronic Telegrams*: 2007av in NGC 3279, *CBETs* 901 and 903 (type-II, discovered close to explosion time); 2007aw in NGC 3072, *CBETs* 902 and 908 (type-Ic, discovered a few days after maximum); 2007ax in NGC 2577, *CBETs* 904, 907, and 908 (subluminous type-Ia, discovered several days before maximum); 2007ay in UGC 4310, *CBETs* 905 and 908 (type-II, discovered shortly after explosion time); 2007az, *CBETs* 872 and 909 (type-Ib, discovered shortly before maximum); 2007ba in UGC 9798, *CBETs* 911 and 918 (type-Ia, discovered well before maximum); 2007bb in UGC 3627, *CBETs* 912 and 916 (type-IIn, discovered just after explosion); 2007bc in UGC 6332, *CBETs* 913 and 915 (type-Ia, discovered several days before maximum); 2007bd in UGC 4455, *CBETs* 914 and 915 (type-Ia, discovered $>$ 1 week before maximum).

2007 April 13 *Daniel W. E. Green*