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SUPERNOVAE 2007ca–2007ck

Numerous supernovae have been discovered on unfiltered CCD frames: 2007cd by K. Itagaki (cf. IAUC 8817; via S. Nakano); 2007ce by R. Quimby (cf. *IAUC* 8779); 2007cf and 2007ci by T. Puckett (cf. *IAUC* 8834; 2007cf with W. McDonald, 2007ci with T. Crowley); 2007ch by L. A. G. Monard (cf. *IAUC* 8814); 2007cj by T.-H. Liou, T.-w. Chen *et al.* (cf. *IAUC* 8834); 2007ck by T. Boles (cf. *IAUC* 8789); and the rest by W. Li via LOSS/KAIT (cf. *IAUC* 8829; 2007ca with R. Prasad; 2007cb, 2007cc, and 2007cg with P. Thrasher). Discovery observations:

SN	2007 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2007ca	Apr. 25.34	$13^h31^m05^s.81$	$-15^\circ06'06''.6$	16.7	$25''.1$ E, $1''.7$ S
2007cb	Apr. 27.35	13 58 17.20	–23 22 20.7	16.8	$0''.9$ E, $3''.5$ S
2007cc	Apr. 27.35	14 08 41.98	–21 35 48.4	15.9	$1''.2$ E, $2''.7$ N
2007cd	Apr. 27.61	13 29 26.48	+11 00 44.8	17.5	$9''$ E, $16''$ N
2007ce	May 4.14	12 10 17.96	+48 43 31.5	17.4	—
2007cf	May 8.31	15 23 07.66	+ 8 31 45.5	17.9	$3''.3$ E, $3''.1$ N
2007cg	May 11.34	13 25 33.58	–24 39 08.1	17.7	$3''.1$ E, $0''.7$ N
2007ch	May 11.92	15 49 47.82	–29 23 13.7	17.2	$23''$ W, $1''$ S
2007ci	May 15.12	11 45 45.85	+19 46 13.9	17.5	$3''.8$ W, $12''.4$ S
2007cj	May 3.54	9 59 55.76	–29 37 03.3	15.9	$1''.1$ E, $0''.3$ S
2007ck	May 19.04	18 23 05.59	+29 54 01.0	18.5	$17''.9$ E, $4''.2$ S

Additional information is available on *Electronic Telegrams*: 2007ca in MCG –02-34-61, *CBETs* 945, 947 (type-Ia supernova, discovered near maximum); 2007cb in ESO 510-G31, *CBETs* 949, 955 (type-Ia, discovered shortly past maximum); 2007cc in ESO 578-G26, *CBETs* 949, 956 (type-Ia, discovered shortly past maximum); 2007cd in NGC 5174, *CBET* 950; 2007ce, *CBET* 953 (type-Ic); 2007cf in MCG +02-39-21, *CBETs* 954, 958 (type-Ia, discovered several days past maximum); 2007cg in ESO 508-G75, *CBETs* 960, 962 (type-Ia, discovered before maximum); 2007ch in NGC 6000, *CBETs* 961, 963 (type-II, discovered a couple of weeks past explosion); 2007ci in NGC 3873, *CBETs* 966, 967 (subluminous type-Ia, discovered a couple of days before maximum); 2007cj in IC 2531, *CBETs* 968, 969 (type-Ia, discovered a week or two past maximum); 2007ck in MCG +05-43-16, *CBETs* 970, 971 (type-II, discovered a few weeks past explosion). A. Klotz writes that TAROT images of NGC 3873 taken at the Haute Provence Observatory on May 15.06 UT show nothing at the position of 2007ci (limiting mag 18.5).

2007 June 9 *Daniel W. E. Green*