

**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 2006cl, 2006cm, 2006cn, 2006co, 2006cp, 2006cq, 2006cr*

Seven new apparent supernovae found on unfiltered CCD frames have been reported: 2006cl and 2006cn by the ‘Nearby Supernova Factory’ collaboration (cf. *CBETs* 520, 522); 2006cm and 2006cq by T. Puckett (with A. Langoussis for 2006cm, and with J. Newton and E. Briggs for 2006cq); 2006co by C. Colesanti, C. Jacques, E. Pimentel, and T. Napoleao (cf. *IAUC* 8658); 2006cp by H. Khandrika and W. Li (LOSS/KAIT; cf. *IAUC* 8710); and 2006cr by T. Boles (cf. *IAUC* 8699).

SN	2006 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Offset
2006cl	May 20.4	16 <sup>h</sup> 19 <sup>m</sup> 48 <sup>s</sup> .80	-10°03′25.2″	19.2	–
2006cm	May 24.37	21 20 17.46	- 1 41 02.7	16.6	2″0 W, 1″0 N
2006cn	May 25.2	13 21 49.14	-23 51 04.6	19.0	–
2006co	May 27.10	12 52 40.93	-39 01 48.9	16.0	24″4 E, 7″7 S
2006cp	May 28.23	12 19 14.89	+22 25 38.2	18.2	19″9 E, 15″3 S
2006cq	May 29.18	13 24 25.10	+30 57 22.7	17.3	4″9 W, 10″3 S
2006cr	May 29.95	13 07 12.51	+58 08 06.1	18.1	8″6 W

Spectra show that 2006cl, 2006cn, and 2006co are type-II supernovae (details on *CBETs* 520, 522, and 529). Additional magnitudes for 2006cm in UGC 11723: 2005 Nov. 25, [19.3; 2006 May 25.37 UT, 16.4. A spectrum of 2006cm taken on May 29.47 showed it to be a reddened type-Ia supernova near maximum (details on *CBET* 526). Additional magnitudes for 2006co in ESO 323-G25: May 4.06, [18.5; 27.89, 15.9. Nothing was visible at the location of 2006co on a red Digitized Sky Survey (DSS) image from 1994. Additional magnitudes for 2006cp in UGC 7357: May 16.24, [19.0; 29.20, 17.8. A spectrum of 2006cp taken on May 30.26 showed it to be a type-Ia supernova around 1 week before maximum (details on *CBET* 528). Additional magnitudes for 2006cq in IC 4239: Jan. 20, [19.5 (Puckett); May 30.22, 17.3 (A. Sehgal, 0.50-m reflector, Osoyoos, BC). A spectrum of 2006cq obtained on May 31 showed it to be a type-Ia supernova close to maximum brightness (details on *CBET* 529). Additional magnitudes for 2006cr in UGC 8205: 1995 Apr. 23, [21.0 (DSS blue); 1997 June 25, [20.5 (DSS red); 2006 Apr. 5 and May 15, [19.5 (Boles). A spectrum of 2006cr taken on June 1 shows it to be a type-II supernova  $\sim$  1 week past explosion (details on *CBET* 531).