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SUPERNOVAE 2006cb, 2006cc, 2006cd, 2006ce

Four supernovae have been found in unfiltered images: 2006cb, 2006cc, and 2006cd by LOSS on KAIT images by N. J. Ponticello, H. Khandrika, D. R. Madison, and W. Li (cf. *IAUC* 8707); 2006cd independently by J. Newton, T. Crowley, and T. Puckett with a 0.40-m reflector at Portal, AZ, in the course of the Puckett Observatory Supernova Search (the tabulated data below for 2006cd is that from Puckett); and 2006ce by L. A. G. Monard, Pretoria, South Africa (0.30-m reflector; cf. *IAUC* 8699).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	$O\!f\!fset$
2006cb	May 5.43	$14^{h}16^{m}31.80$	$+39^{\circ}35^{'}15^{''}9$	17.5	0''.6 E, 5''.7 S
2006cc	May 6.45	$16 \ 09 \ 56.47$	$+43 \ 07 \ 35.9$	18.3	11".1 E, 9".4 S
2006cd	May 8.27	$16\ 05\ 22.06$	$+17 \ 45 \ 05.5$	18.3	5''.6 W, 11''.4 S
2006ce	May 10.14	$2 \ 22 \ 54.63$	$-21 \ 14 \ 29.4$	12.4	136" W, 28" S

Additional magnitudes for 2006cb in NGC 5541: Feb. 23.48 UT, [19.5; Apr. 19.39, 18.6. Additional magnitudes for 2006cc in UGC 10244: Feb. 13.48, [19.5; Apr. 26.45, [18.5; May 7.43, 18.1. SN 2006cc is a type-Ia supernova, near maximum on May 8 (cf. *CBET* 506). Additional magnitudes for 2006cd in IC 1179: 2005 Sept. 9, [19.7 (Puckett); 2006 Feb. 23.45, [19.5 (KAIT); May 8.44, 18.2 (KAIT); May 9.23, 18.2 (A. Sehgal, 0.50-m reflector, Osoyoos, BC); 9.45, 18.1 (KAIT). Li gives the offset for 2006cd as 3".0 west and 11".2 south of the center of IC 1179, the southwest component of Arp 272 (the northeast component being NGC 6050). Additional magnitudes for 2006ce in NGC 908: Apr. 1.713, R > 16.5 (not detected); May 11.151, B = 12.9, V = 12.55, R = 12.4. Also, nothing is visible at the location of 2006ce on the Digitized Sky Survey (limiting red mag 20.5) or on Monard's images taken prior to Apr. 1 (limiting mag ~ 18).

COMET 73P/SCHWASSMANN-WACHMANN

As comet 73P has neared the earth, increasingly large numbers of fragments (some apparently very short-lived) have been observed. The Minor Planet Center has continued to assign letter designations to those components observed on three or more nights with precise astrometry: 'AQ' and 'AR' announced on *MPEC* 2006-H37, 'AS' and 'AT' on *MPEC* 2006-H48, 'AU'-'BM' on *MPEC* 2006-H61, and 'BN'-'BP' on *MPEC* 2006-J31. Visual total-magnitude estimates of component 'B' by J. J. Gonzalez,

Visual total-magnitude estimates of component 'B' by J. J. Gonzalez, Leon, Spain: Apr. 28.91 UT, 7.6 (25×100 binoculars); May 1.02, 7.0 (7×50 binoculars); 5.12, 6.8 (0°.6 tail in p.a. 235°); 11.14, 5.2 (naked eye).

2006 May 11

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