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*SUPERNOVAE 2006cs, 2006ct, 2006cu, 2006cv, 2006cw*

Five new apparent supernovae found on unfiltered CCD frames have been reported: 2006cs by N. Y. Lee and W. Li (LOSS/KAIT; cf. *IAUC* 8716); 2006ct by R. Quimby and P. Mondol (cf. *IAUC* 8713); and the rest by the 'Nearby Supernova Factory' collaboration (cf. *CBETs* 538, 540).

| SN | 2006 UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. | *Offset* |
|---|---|---|---|---|---|
| 2006cs | June 3.29 | $13^h45^m33^s.89$ | $+35^\circ36'36''.6$ | 17.8 | $13''.4$ W, $3''.8$ S |
| 2006ct | May 25.21 | 12 09 57.03 | +47 05 43.9 | 17.0 | $3''.4$ E, $1''.4$ S |
| 2006cu | May 29.4 | 14 47 43.31 | + 9 39 33.9 | 18.1 | – |
| 2006cv | June 5.4 | 14 47 47.83 | +23 17 58.6 | 19.1 | – |
| 2006cw | June 5.4 | 15 03 01.01 | +21 41 40.6 | 19.4 | – |

Additional magnitudes for 2006cs in MCG +06-30-79: May 18.29 UT, [19.0; June 4.31, 17.7. A spectogram of 2006cs obtained on June 5.29 shows it to be a type-Ia supernova around maximum light (details on *CBET* 539). Additional magnitudes for 2006ct, which is also a type-Ia supernova (details on *CBET* 537): 2004 Dec. 15–2006 Jan. 28, [18.7 (co-addition of images); May 31.21, 16.9; June 3.19, 16.6. SNe 2006cu and 2006cv are type-IIn supernovae, and 2006cw is a type-II supernova (cf. *CBET* 538, 540).

*COMETS C/2006 J4–J8 (SOHO)*

Additional comets have been found on SOHO website images (cf. *IAUC* 8719) — all being Kreutz sungrazers except C/2006 J5 (Meyer group). C/2006 J4 was stellar in C3 images, reaching mag 4.9 on May 8.762 UT at $9.1R_\odot$; C2 images showed a very faint tail that reached a length of $500''$ on May 9.188 at $3.7R_\odot$. C/2006 J5 was very small, stellar but slightly elongated in the direction of motion, and too faint for photometry. C/2006 J6, which was also found by J. Sachs, was extremely faint, diffuse, and elongated. C/2006 J7 and J8 were very close (only a few pixels apart), the leading component (J7) being marginally larger, brighter, and longer-lasting; both components were small and stellar.

| Comet | 2006 UT | $\alpha_{2000}$ | $\delta_{2000}$ | Inst. | F | *MPEC* |
|---|---|---|---|---|---|---|
| C/2006 J4 | May 7.696 | $3^h16^m.6$ | $+13^\circ35'$ | C3/2 | KB | 2006-L31 |
| C/2006 J5 | 7.979 | 3 03.2 | +18 16 | C2 | HS | 2006-L31 |
| C/2006 J6 | 8.854 | 3 07.3 | +15 52 | C2 | RM | 2006-L31 |
| C/2006 J7 | 10.163 | 3 12.1 | +16 13 | C2 | TH | 2006-L32 |
| C/2006 J8 | 10.163 | 3 12.1 | +16 13 | C2 | TH | 2006-L32 |

2006 June 8  *Daniel W. E. Green*