

**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)

*COMET C/2007 A2 (CHRISTENSEN)*

E. J. Christensen reports the discovery of a comet on CCD images taken through light cirrus clouds with the 1.5-m reflector in the course of the Mt. Lemmon Survey, noting a moderately condensed 5'' coma and an 8'' tail toward p.a. 300° (description from four 30-s co-added images).

2007 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Jan. 10.41205	9 <sup>h</sup> 01 <sup>m</sup> 08 <sup>s</sup> .39	+13°28'58''.1	19.4

The reported astrometry, the following very preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-A46.

$$\left. \begin{array}{l} T = 2007 \text{ July } 8.036 \text{ TT} \quad \omega = 226.013 \\ \quad \quad \quad \quad \quad \quad \quad \Omega = 304.395 \\ q = 3.06166 \text{ AU} \quad \quad \quad i = 40.974 \end{array} \right\} 2000.0$$

*COMET C/2006 P1 (McNAUGHT)*

Visual total-magnitude and tail-length estimates made in daylight: Jan. 12.84 UT, -3.9, short (D. W. E. Green, Cambridge, MA, U.S.A., 20×80 binoc.); 12.91, -4.5, 0°1 (J. Bortle, Stormville, NY, 10×50 binoc.); 12.91, -4.1, ~ 0°5 (C. S. Morris, Fillmore, CA, U.S.A., 20×80 binoc.).

*SUPERNOVAE 2007D, 2007E, 2007F*

Three apparent supernovae have been discovered on unfiltered CCD frames: 2007E by N. Joubert and W. Li (LOSS/KAIT; cf. *IAUC* 8792); and the others by T. Puckett (2007D with T. Orff, and 2007F with R. Gagliano; cf. *IAUC* 8792; 0.35-m reflector at Ellijay, GA).

SN	2007 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Offset
2007D	Jan. 9.02	3 <sup>h</sup> 18 <sup>m</sup> 38 <sup>s</sup> .71	+37°36'26''.4	18.2	4''9 E, 2''8 S
2007E	Jan. 10.17	2 26 34.41	-15 50 36.5	15.9	15''7 E, 14''2 N
2007F	Jan. 11.40	13 03 15.08	+50 37 07.7	17.3	10''1 W, 7''4 S

Additional magnitudes for 2007D in UGC 2653: 2005 Dec. 6, [19.4; 2007 Jan. 11.07, 17.9. Additional KAIT magnitudes for 2007E in NGC 921: 2006 Dec. 7.16, [18.2; 2007 Jan. 12.13, 16.0. Additional magnitudes for 2007F in UGC 8162: 2005 Dec. 16, [19.8 (Puckett); 2007 Jan. 12.27, 16.8 (A. Sehgal, Osoyoos, BC, Canada, 0.50-m reflector).