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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	α_{2000}	δ_{2000}	Mag.
Jan. 10.41205	9^h01^m08^s.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.

$$T = 2007 \text{ July } 8.036 \text{ TT} \qquad \left.\begin{array}{l}\omega = 226^\circ.013 \\ \Omega = 304.395 \\ i = 40.974\end{array}\right\} 2000.0$$
$$q = 3.06166 \text{ AU}$$

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	α_{2000}	δ_{2000}	Mag.	*Offset*
2007D	Jan. 9.02	3^h18^m38^s.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).

2007 January 12 *Daniel W. E. Green*