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COMET C/2006 A2 (CATALINA)

An apparently asteroidal object discovered by the Catalina Sky Survey (discovery observation tabulated below), and posted on the 'NEO Confirmation Page', has been reported as apparently cometary by several CCD observers, including J. Young (Table Mountain, 0.6-m *f*/16 Cassegrain reflector; coma diameter $\sim 6''$ in poor seeing conditions on Jan. 23.2 UT), J. E. McGaha (Tucson, AZ, 0.62-m *f*/5.1 reflector; six stacked 60-s images taken on Jan. 23.2 show a soft $4''$ coma and no tail, but also large changes in brightness of $\sim$ 0.7 mag over $\sim$ half an hour), and J. Tichá and M. Tichý (Kleť, 1.06-m KLENOT telescope; diffuse with a coma diameter of $12''$ on images taken on Jan. 23.8).

2006 UT	α_{2000}	δ_{2000}	Mag.
Jan. 21.15860	$3^h19^m54^s.37$	$+25^\circ27'31''.1$	20.3

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-B48.

$$T = 2005 \text{ Aug. } 21.780 \text{ TT} \qquad \omega = 152^\circ.246$$
$$\left.\begin{array}{l} \omega = 152^\circ.246 \\ \Omega = 233.244 \\ i = 147.894 \end{array}\right\} 2000.0 \qquad q = 5.59612 \text{ AU}$$

SUPERNOVAE 2006O AND 2006P

Two apparent supernovae have been discovered on unfiltered CCD frames: 2006O by D. Rich (Hampden, ME, 0.31-m reflector) and 2006P by D. R. Madison and W. Li (LOSS/KAIT; cf. *IAUC* 8661).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006O	Jan. 22.95	$1^h01^m20^s.71$	$+31^\circ30'09''.4$	17.2	$6''.4$ W, $18''.4$ S
2006P	Jan. 23.22	3 19 17.90	–12 06 18.3	17.5	$2''.9$ E, $8''.8$ S

Additional approximate magnitudes of 2006O in UGC 633: 2005 Nov. 19.97 and Dec. 8.99 UT, [18.6; 2006 Jan. 24.09, 17.0 (M. Schwartz). Nothing is visible at the location of 2006O on Palomar Digital Sky Survey images from 1989 (limiting red mag 20.0) and 1988 (limiting blue mag 19.9). Additional KAIT magnitudes of 2006P in MCG –02-9-29: 2005 Dec. 9.21, [19.0; 2006 Jan. 9.22, [18.0; 24.19, 17.4.

2006 January 24 *Daniel W. E. Green*