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**INTERNATIONAL ASTRONOMICAL UNION**

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*COMET C/2006 F1 (KOWALSKI)*

R. A. Kowalski reports the discovery of a comet on CCD images taken in poor seeing ( $4''$  FWHM) with the 1.5-m reflector in the course of the Mt. Lemmon Survey (discovery observation tabulated below); the object appeared slightly condensed with a diameter of  $\approx 8''$ , elongated in p.a.  $\approx$  p.a.  $265^\circ$  (though no obvious tail). On images taken with the same telescope by E. J. Christensen on Mar. 23.5 UT, the object displays a condensed  $8''$  coma and a  $10''$  tail in p.a.  $\sim 245^\circ$ . CCD images taken by P. Birtwhistle with a 0.40-m  $f/6$  Schmidt-Cassegrain reflector at Great Shefford, U.K., on Mar. 23.1 show the object with a  $8''$  coma and a tail  $15''$  long in p.a.  $245^\circ$ .

2006	UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Mar.	21.49155	$16^{\text{h}}21^{\text{m}}29^{\text{s}}.96$	$+2^{\circ}00'22''.3$	18.8

The available astrometry, the following parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-F20.

$$\begin{array}{rcl}
 T = 2007 \text{ May } 19.709 \text{ TT} & \omega = 208.890 & \\
 & \Omega = 124.985 & \left. \vphantom{\begin{array}{l} \omega \\ \Omega \end{array}} \right\} 2000.0 \\
 q = 1.93896 \text{ AU} & i = 21.585 &
 \end{array}$$

*SUPERNOVA 2006at, 2006av, 2006aw*

Further to *IAUC* 8666, L. A. G. Monard reports his discovery of two apparent supernovae on unfiltered CCD images:

SN	2006 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Offset
2006av	Feb. 19.776	$2^{\text{h}}57^{\text{m}}46^{\text{s}}.48$	$-36^{\circ}42'26''.2$	18.3	$30''$ W, $38''$ N
2006aw	Mar. 15.747	$5^{\text{h}}04^{\text{m}}18^{\text{s}}.18$	$-63^{\circ}34'57''.3$	14.9	$7''$ W, $2''$ S

Additional approximate magnitudes from Monard for 2006av in ESO 356-22: Jan. 31.757 UT, [18.5; Feb. 28.80,  $18.7 \pm 0.4$  (mediocre conditions; stacked images); Mar. 5.735,  $19.0 \pm 0.2$ ; 20.774,  $18.3 \pm 0.3$ . Nothing is visible at the location of 2006av on the Digitized Sky Survey in all bands (including limiting red mag 20.5). Additional approximate magnitudes for 2006aw in ESO 85-G38: Feb. 16.783, [18.5; Mar. 15.858,  $14.9 \pm 0.2$ ; 19.751, 15.2. Nothing is present at the location of 2006aw on a red Digitized Sky Survey image (limiting mag 20.5).

SN 2006at (cf. *IAUC* 8687) has been confirmed to be a type-II supernova by S. Blondin *et al.* (details on *CBET* 441).