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**INTERNATIONAL ASTRONOMICAL UNION**

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*COMET P/2007 T2 (KOWALSKI)*

R. A. Kowalski reports his discovery of a comet on Catalina Sky Survey images taken with the 0.68-m Schmidt telescope (discovery observation tabulated below), the twilight images showing a coma 15'' across. Follow-up 30-s exposures by E. Beshore with the Mt. Lemmon 1.5-m reflector on Oct. 10.5 UT show a bright, elongated nuclear condensation and a tail  $\approx 20''$  long in p.a.  $\approx 300^\circ$ . After posting on the Minor Planet Center's 'NEOCP' webpage, G. Sostero and E. Guido (Remanzacco, Italy, 0.45-m  $f/4.4$  reflector) write that 70 co-added 30-s images from Oct. 10.13–10.16 show a concentrated coma with a diameter of nearly 18'' of total mag  $\sim 16.3$ , elongated toward the northwest, with a narrow tail extending nearly 15'' toward p.a.  $300^\circ$ . L. Buzzi (Varese, Italy, 0.60-m  $f/4.6$  reflector) reports that, on his images from Oct. 11.2, the object is elongated 10'' in p.a.  $310^\circ$ . D. T. Durig (Sewanee, TN, U.S.A., 0.30-m  $f/3$  Schmidt-Cassegrain reflector) notes that twenty stacked 2-min images taken on Oct. 11.4 show a 15''–17'' coma that is asymmetrical in p.a.  $310^\circ$ . J. E. McGaha (Tucson, AZ, U.S.A., 0.62-m  $f/5.1$  reflector) adds that his 120-s images from Oct. 11.48 show a 6'' coma that is elongated toward a short 8'' tail in p.a.  $305^\circ$ .

2007 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.
Oct. 9.50984	10 <sup>h</sup> 05 <sup>m</sup> 54. <sup>s</sup> 70	+22°37'06".5	16.9

The available astrometry, the following preliminary elliptical orbital elements, and an ephemeris appear on *MPEC* 2007-T76.

$$\left. \begin{array}{ll}
 T = 2007 \text{ Sept. } 18.999 \text{ TT} & \omega = 358.436 \\
 e = 0.78882 & \Omega = 4.161 \\
 q = 0.69221 \text{ AU} & i = 9.979 \\
 a = 3.27775 \text{ AU} & n^\circ = 0.166089 \quad P = 5.9 \text{ years}
 \end{array} \right\} 2000.0$$

*V458 VULPECULAE*

Visual magnitude estimates (cf. *IAUC* 8863), some forwarded by E. Broens, Mol, Belgium, on behalf of the Werkgroep Veranderlijke Sterren, Vereniging Voor Sterrenkunde: Aug. 26.821 UT, 10.7 (K. Hornoch, Vohancice, Czech Republic); 29.843, 11.0 (P. Cloesen, Beringen, Belgium); Sept. 4.874, 11.2 (F. Van Loo, Genk, Belgium); 12.912, 11.3 (A. Diepvens, Balen, Belgium); 16.835, 11.6 (H. Hautecler, Boutersem, Belgium); 20.784, 12.0 (M. Lehky, Hradec Kralove, Czech Republic); 24.847, 11.8 (E. Muylaert, Oostende, Belgium).