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COMET C/2007 S2 (LEMMON)

An apparently asteroidal object discovered on CCD images taken with the 1.5-m reflector in the course of the Mt. Lemmon survey (discovery observation tabulated below), and posted on the Minor Planet Center's 'NEOCP' webpage, has been found to show cometary appearance by two observers: Q.-z. Ye (Department of Atmosphere Science, Sun Yat-sen University, Guangzhou, China) writes that three stacked 60-s CCD exposures taken with the Lulin Observatory 0.41-m Ritchey-Chretien reflector on Sept. 27.85 UT show a very obvious coma of diameter $\sim 5''.5$ with a short fan-like tail $6''$ long towards p.a. $\sim 180^{\circ}$–270°. J. W. Young reports that his images taken with the Table Mountain 0.61-m $f/16$ Cassegrain reflector on Oct. 3.45–3.53 show a $6''$-diameter, very round, bright coma with no hint of a tail.

2007 UT	α_{2000}	δ_{2000}	Mag.
Sept.25.49148	$8^h21^m53^s.89$	$+19^{\circ}54'08''.5$	18.9

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2007-T11. This comet's orbit is probably of intermediate or short period.

$$T = 2007\ \text{Oct.}\ 12.007\ \text{TT} \qquad \left.\begin{aligned}\omega &= 179^{\circ}.725\\ \Omega &= 296.835\\ i &= 15.669\end{aligned}\right\}2000.0$$
$$q = 6.21749\ \text{AU}$$

V455 ANDROMEDAE

E. Broens, Mol, Belgium, reports following visual magnitude estimates of V455 And (cf. *IAUC* 8868) on behalf of the Werkgroep Veranderlijke Sterren, Vereniging Voor Sterrenkunde: Sept. 11.811 UT, 10.7 (D. Vansteelant, Varsenare, Belgium); 12.860, 10.6 (H. Hautecler, Boutersem, Belgium); 13.868, 10.6 (A. Baillien, Tongeren, Belgium), 14.863, 10.8 (Vansteelant); 15.808, 11.2 (A. Diepvens, Balen, Belgium); 15.894, 10.8 (Hautecler); 16.806, 11.0 (Baillien); 18.860, 11.3 (P. Cloesen, Beringen, Belgium); 21.891, 11.4 (Vansteelant); 22.791, 12.0 (Diepvens); 23.857, 12.9 (Cloesen); 24.816, 13.2 (E. Muyllaert, Oostende, Belgium); 25.802, 13.1 (Vansteelant). CCD V magnitudes by M. Martignoni, Magnago, Italy: Sept. 11.972, 10.22; 12.933, 10.30; 15.035, 10.58; 15.977, 11.01; 19.052, 11.32; 20.023, 11.48; 23.990, 12.66.

2007 October 3 *Daniel W. E. Green*