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COMET P/2007 V1 (LARSON)

S. M. Larson reports his discovery of a comet (discovery observation tabulated below) on CCD images obtained with the 0.68-m Schmidt reflector in the course of the Catalina Sky Survey; he reported a 40'' tail in p.a. 230°. Following posting on the Minor Planet Center's NEOCP webpage, several other CCD astrometrists have commented on the comet's physical appearance. P. Birtwhistle (Great Shefford, Berkshire, England, 0.40-mf/6Schmidt-Cassegrain reflector, Nov. 9.0 UT) found a concentrated coma of diameter 6" with a 30" tail in p.a. 235°. J. Lacruz (Madrid, Spain, 0.40-m Ritchey-Chrétien reflector, Nov. 9.0) measured a 30" tail in p.a. 240°. G. Hug (Éskridge, KS, U.S.A., 0.7-m réflector, Nov. 9.4) reports detecting "a short defined tail" in p.a. $\sim 250^{\circ}$. E. Guido and G. Sostero (Castellammare di Stabia, Italy, remotely using a 0.25-m f/3.4 reflector located near Mayhill, NM, U.S.A., Nov. 9.4) write that a co-addition of forty 60-s unfiltered exposures on Nov. 9.4 reveals the presence of a diffuse coma nearly 12''in diameter with total mag ~ 18.3 . J. G. Ries (McDonald Observatory, 0.76-m reflector + prime-focus corrector, Nov. 9.3) finds a very clear tail \approx 64" long pointing almost exactly southwest. R. E. Hill (Mt. Lemmon 1.5-m reflector, Nov. 9.4) adds that a co-addition of four 60-s exposures shows a broad 7' tail in p.a. 240° and a well-defined nuclear condensation 5''-6''across; the total mag was given as 17.7.

2007 UT	α_{2000}	δ_{2000}	Mag.
Nov. 8.31007	$3^{h}14^{m}10.71$	$+30^{\circ}01^{'}12^{''}\!\!.8$	17.3

The available astrometry, the following elliptical orbital elements, and an ephemeris appear on MPEC 2007-V72.

	T	= 2007 Dec. 8.5	$940 \ \mathrm{TT}$	$\omega =$	51.4714)
	e	= 0.461170		$\Omega =$	8.1899	2000.0
	q	= 2.676678 AU		i =	10.7903	J
a	=	$4.967569 \mathrm{AU}$	$n^{\rm o} = 0.089$	0201	P =	$11.07~\mathrm{years}$

COMETS C/2004 E5 (SOHO)

Further to $IAUC$ 8892, another slightly diffuse Kreutz-sungrazing com- et of mag ~ 7.5 has been found on archival SOHO website images.								•
Comet C/2004 E5	2004 Mar.	UT 1.321	$lpha_{2000} \ 23^{ m h} 03 \overset{ m m}{.} 3$	$\begin{array}{c} \delta_{2000} \\ - 8^{\circ}08^{'} \end{array}$	Inst. C3	F BZ	MPEC 2007-U23	
2007 Novemi	per 9	C	Copyrigh	t 2007 CBA	Т	Daniel	W. E. Green	ı