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COMET C/2009 T3 (LINEAR)

An apparently asteroidal object discovered by the LINEAR project (discovery observation tabulated below), and posted on the Minor Planet Center's 'NEOCP' webpage, has been found to show cometary appearance by other CCD astrometrists. L. Buzzi, Varese, Italy, writes that images taken in moderate seeing with a 0.60-m reflector on Oct. 15.1 UT show a 12″ coma that appears slightly elongated to the southwest, but with no clear tail. E. Guido, Castellammare di Stabia, Italy, reports that twenty co-added 120-s images taken remotely by G. Sostero and himself on Oct. 15.4 with a 0.25-m reflector near Mayhill, NM, U.S.A., show a coma nearly 12″ in diameter, slightly elongated toward the southwest. W. H. Ryan (Magdalena Ridge Observatory 2.4-m reflector) reports a tail at p.a. $\sim 270°$ on images taken during Oct. 15.44–15.45. R. Miles (2.0-m 'Faulkes Telescope North' at Haleakala, Oct. 15.5) reports a very diffuse coma of diameter 15″, offset in p.a. $\approx 260°$.

2009	UT	α_{2000}	δ_{2000}	Mag.	*Observer*
Oct.	14.43092	$5^h25^m15^s.46$	$+22°02'04''.2$	19.3	LINEAR

The available astrometry, the following preliminary parabolic orbital elements, and an ephemeris appear on *MPEC* 2009-T56.

$$T = 2010\ \text{Jan. } 5.205\ \text{TT} \qquad \left.\begin{aligned}\omega &= 29^\circ.066\\ \Omega &= 60.259\\ i &= 148.533\end{aligned}\right\}2000.0$$
$$q = 2.33809\ \text{AU}$$

COMETS C/2009 H4–H8 (SOHO)

Further to *IAUC* 9080, additional Kreutz sungrazers have been found on SOHO website images. C/2009 H4 was small, slightly diffuse, and slightly elongated (peak mag ~ 8). C/2009 H5 was diffuse with a short, faint tail (mag ~ 7.5). C/2009 H6 (mag ~ 7), C/2009 H7 (mag ~ 8.5), and C/2009 H8 (mag ~ 7–7.5) were all small and stellar in appearance.

Comet	2009	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2009 H4	Apr.	19.476	$1^h56^m.9$	$+10°16'$	C2	MK	2009-N33
C/2009 H5		22.351	2 03.9	+10 50	C2	BZ	2009-N34
C/2009 H6		23.976	2 12.8	+11 43	C2	BZ	2009-N34
C/2009 H7		24.243	2 14.1	+11 46	C2	RK	2009-N34
C/2009 H8		24.471	2 22.5	+11 00	C3	RM	2009-N34

2009 October 15 *Daniel W. E. Green*