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COMET P/2008 CL_{94} (LEMMON)

An apparently asteroidal object discovered last year in the course of the Mt. Lemmon survey (discovery observation tabulated below from *MPS* 237769) was re-discovered with the Mt. Lemmon 1.5-m reflector by S. M. Larson on 2009 Mar. 17.4 UT with an 8″-diameter coma and a 15″ diffuse tail in p.a. 310° in four co-added images (and identified by T. Spahr). Four unfiltered 60-s co-added Mt. Lemmon CCD images taken by A. R. Gibbs on Mar. 18.3 in good seeing show a condensed coma of size 6″ with a broad, 10″ tail in p.a. 315°. Following a request by B. G. Marsden, W. H. Ryan (Magdalena Ridge Observatory 2.4-m *f*/8.9 reflector) reports that his images from Mar. 18.2–18.4 also show a faint tail in p.a. ≈ 315°.

2008 UT	α_{2000}	δ_{2000}	Mag.
Feb. 8.39714	$11^h27^m55^s.15$	$+11°47'10''.0$	20.8

New astrometry, the following elliptical orbital elements, and an ephemeris appear on *MPEC* 2009-F28.

$$\text{Epoch} = 2006 \text{ July } 4.0 \text{ TT}$$

$$\begin{array}{lll} T = 2006 \text{ July } 9.1877 \text{ TT} & \omega = 82^\circ.6364 & \\ e = 0.121042 & \Omega = 33.5426 & \Big\} 2000.0 \\ q = 5.435878 \text{ AU} & i = 8.3416 & \end{array}$$

$$a = 6.184456 \text{ AU} \qquad n^\circ = 0.0640843 \qquad P = 15.38 \text{ years}$$

COMETS C/2008 W6–W10 (SOHO)

Further to *IAUC* 9027, additional Kreutz sungrazers have been found on SOHO website images, with their "discovery" observations tabulated below. C/2008 W6 was small and slightly diffuse (mag ~ 7.5). C/2008 W7 was stellar in appearance (mag ~ 7–7.5) in C3 images, and slightly diffuse with a faint, diffuse tail in C2 images. C/2008 W8 was tiny and stellar in appearance (mag ~ 7.5). C/2008 W9 was diffuse (mag ~ 7.5). C/2008 W10 was slightly diffuse (mag ~ 7.5–8).

Comet	2008 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2008 W6	Nov. 24.504	$16^h00^m.5$	$-22°24'$	C2	ZJ	2009-C56
C/2008 W7	24.779	15 58.1	−23 38	C3/2	JR	2009-C56
C/2008 W8	26.564	16 09.6	−22 47	C2	EB	2009-C57
C/2008 W9	27.629	16 13.7	−22 59	C2	RK	2009-C57
C/2008 W10	28.146	16 16.2	−23 03	C2	JR	2009-C57

2009 March 18 *Daniel W. E. Green*