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URL <http://www.cfa.harvard.edu/iau/cbat.html> ISSN 0081-0304

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COMET P/2009 F7 (LINEAR)

On Mar. 31, the LINEAR team reported a single-night candidate for the recovery of comet P/2003 H4 (cf. *IAUCs* 8127, 8135). Today, G. Sostero, E. Prosperi, E. Guido, and P. Camilleri reported their recovery of this comet on 60-s unfiltered CCD exposures taken remotely with a 0.35-m *f*/7 “Skylive” reflector at the Grove Creek Observatory, Trunkey, New South Wales; thirty co-added images show the object to have a central condensation and a diffuse coma nearly 15'' in diameter. The available astrometry is given below. The correction to the orbital elements on *MPC* 56804 (and to those in the *2008/2009 Comet Handbook*, p. 97) is $\Delta T = -0.13$ day.

	2009	UT	α_{2000}	δ_{2000}	Mag.	Observer
Mar.	31.30214		12 ^h 53 ^m 01. ^s 79	-27°12'26''.6	19.4	LINEAR
	31.31444		12 53 01.53	-27 12 19.1	19.6	”
	31.32707		12 53 01.19	-27 12 07.6	19.8	”
	31.33954		12 53 00.84	-27 11 59.9	19.7	”
Apr.	15.56030		12 48 07.64	-23 06 02.0	19.5	Sostero
	15.57870		12 48 07.29	-23 05 40.6	19.5	”
	15.59400		12 48 07.00	-23 05 22.6	19.5	”
	15.61201		12 48 06.66	-23 05 00.8	19.7	”
	15.62125		12 48 06.34	-23 04 50.5	19.7	”
	15.63049		12 48 06.10	-23 04 39.8	19.6	”

The following orbital elements by B. G. Marsden are from 231 observations, 2003 Apr. 29–2009 Apr. 15 (mean residual 0''.6).

Epoch = 2009 June 18.0 TT

$$\begin{array}{llll}
 T = 2009 \text{ June } 22.28618 \text{ TT} & \omega = 10^{\circ}60'50.6 & & \\
 e = 0.4902703 & \Omega = 226.74365 & & \\
 q = 1.7014372 \text{ AU} & i = 18.15146 & & \\
 a = 3.3379202 \text{ AU} & n^{\circ} = 0.16161815 & P = 6.10 \text{ years} &
 \end{array}
 \left. \vphantom{\begin{array}{l} T \\ e \\ q \\ a \end{array}} \right\} 2000.0$$

Additional orbital elements, residuals, and an ephemeris appear on *CBET* 1767.

COMET 217P/2009 F3 (LINEAR)

Comet P/2009 F3 = P/2001 MD₇ (cf. *IAUC* 9031) has been assigned the permanent number 217P (cf. *MPC* 65561).