

**Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION**

Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)
CBAT@CFA.HARVARD.EDU (science)
URL <http://www.cfa.harvard.edu/iau/cbat.html> ISSN 0081-0304
Phone 617-495-7440/7244/7444 (for emergency use only)

COMET P/2009 D1 (LINEAR)

J. V. Scotti, Lunar and Planetary Laboratory, University of Arizona, reports his recovery of comet P/2001 CV₈ (cf. *IAUC* 7581) on CCD images taken with the Spacewatch 1.8-m *f*/2.7 reflector. On the Feb. 19 images, Scotti noted the comet to be slightly diffuse with a 0'.3 tail in p.a. 295°.

2009	UT	α_{2000}	δ_{2000}	Mag.	Observer
Feb.	19.53123	14 ^h 25 ^m 47. ^s 23	−18°07′57″.9	20.9	Scotti
	19.54112	14 25 47.49	−18 08 01.9	20.8	”
	19.54978	14 25 47.71	−18 08 05.6	21.0	”
	20.49075	14 26 12.21	−18 14 49.9		”
	20.50000	14 26 12.30	−18 14 54.4	20.7	”
	20.50910	14 26 12.53	−18 14 59.1		”

The indicated correction to the prediction on *MPC* 54170 is $\Delta T = -0.37$ day (and to the prediction in the *2008/2009 Comet Handbook*, $\Delta T = -0.24$ day). The following orbital elements by B. G. Marsden are from 141 observations, 2001-2009 (mean residual 0".7):

$$\begin{array}{llll}
 \text{Epoch} = 2008 \text{ Oct. } 21.0 \text{ TT} & & & \\
 \left. \begin{array}{ll} T = 2008 \text{ Oct. } 10.9768 \text{ TT} & \omega = 151.5970 \\ e = 0.444137 & \Omega = 359.8931 \\ q = 2.159879 \text{ AU} & i = 9.0351 \end{array} \right\} 2000.0 \\
 a = 3.885631 \text{ AU} & n^\circ = 0.1286802 & P = 7.66 \text{ years} &
 \end{array}$$

COMETS C/2008 U5–U8 (SOHO)

Further to *IAUC* 9020, additional near-sun presumed comets have been found on SOHO website images — all Kreutz sungrazers except for C/2008 U6 (non-group), which was small and stellar in appearance (mag ~ 7.5). C/2008 U5 was extremely faint (mag ~ 8.5) and very diffuse. C/2008 U7 was stellar in appearance and perhaps slightly elongated (mag ~ 7) in C3 images, but quite diffuse with a thin, diffuse, faint tail in C2 images. C/2008 U8 was very diffuse (mag ~ 8 –8.5).

Comet	2008 UT	α_{2000}	δ_{2000}	Inst.	F	MPEC
C/2008 U5	Oct. 18.188	13 ^h 28. ^m 1	−10°55′	C2	RM	2009-B66
C/2008 U6	18.440	13 31.0	− 7 53	C2	MK	2009-B67
C/2008 U7	20.571	13 29.8	−12 09	C3/2	RK	2009-B67
C/2008 U8	20.746	13 36.0	−11 41	C2	TH	2009-B67