Circular No. 9021

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COMET P/2009 D1 (LINEAR)

J. V. Scotti, Lunar and Planetary Laboratory, University of Arizona, reports his recovery of comet P/2001 CV_8 (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	$14^h25^m47^s.23$	$-18°07'57''.9$	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):

$$\text{Epoch} = \text{2008 Oct. 21.0 TT}$$

$$\begin{array}{lll} T = \text{2008 Oct. 10.9768 TT} & \omega = 151^\circ.5970 & \\ e = 0.444137 & \Omega = 359.8931 & \Big\}\, 2000.0 \\ q = 2.159879 \text{ AU} & i = 9.0351 & \end{array}$$

$$a = 3.885631 \text{ AU} \qquad n^\circ = 0.1286802 \qquad P = 7.66 \text{ years}$$

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	$13^h28^m.1$	$-10°55'$	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

2009 February 20 *Daniel W. E. Green*