## Central Bureau for Astronomical Telegrams INTERNATIONAL ASTRONOMICAL UNION

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## COMET P/2009 B3 (VAN NESS)

G. Hug, Scranton, KS, U.S.A., reports his recovery of comet P/2005 R2 (cf. IAUC 8597) on images obtained with the 0.56-m reflector at his Sandlot Observatory. A very faint, straight, narrow tail was observed extending at least 5'-6' in p.a. 300°. The indicated correction to the prediction on MPC 62880 is  $\Delta T = -0.06$  day.

2009	UT	$lpha_{2000}$	$\delta_{2000}$	Mag.	Observer
Jan. 31	.36200	$10^{^{\rm h}} 57^{^{\rm m}} 13.96$	$+0^{\circ}44^{'}12^{''}1$	20.7	Hug

The above observation and three others, together with the following linked orbital elements and an ephemeris, appear on MPEC 2009-C03.

## COMET P/2009 B4 (LINEAR)

Hug also reports his recovery of P/2002 CW<sub>134</sub> (cf. *IAUC* 7858) in images taken at  $25^{\rm o}$  altitude; the comet did not appear different from stellar images in the same exposures. The indicated correction to prediction on MPC 56802 is  $\Delta T = -0.32$  day.

$2009  ext{ UT}$	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Observer
Jan. 31.48615	$14^{\rm h}30^{\rm m}50^{\rm s}.15$	$-22^{\circ}00'01\rlap.{''}1$	19.6	Hug
31.50483	14 30 51.92	$-22\ 00\ 23.0$	20.0	"
Feb. 1.43053	3 14 32 21.53	$-22\ 17\ 31.7$	19.3	"
1.45242	2 14 32 23.47	$-22\ 17\ 56.4$	19.5	"
1.46701	14 32 24.91	$-22\ 18\ 13.5$	19.6	"

The following linked orbital elements and an ephemeris appear on MPEC 2009-C04.