Circular No. 9002

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COMET P/2008 X2 (LINEAR)

G. Hug, Scranton, KS, U.S.A., reports his recovery of comet P/2004 CB (cf. *IAUC* 8314) as an essentially stellar object on his CCD images obtained with a 0.56-m reflector. The indicated correction to the prediction on *MPC* 56803 is $\Delta T = +0.16$ day.

2008 UT	α_{2000}	δ_{2000}	Mag.
Dec. 4.38549	$9^h38^m28^s.71$	$+34^\circ42'44''.7$	19.7
4.38954	9 38 29.10	+34 42 47.1	19.7
4.39441	9 38 29.57	+34 42 51.1	19.3
4.39927	9 38 30.05	+34 42 53.8	19.5
4.40333	9 38 30.48	+34 42 56.9	19.5
5.29700	9 40 01.34	+34 53 43.8	19.5
5.32912	9 40 04.52	+34 54 07.5	19.7
5.33805	9 40 05.39	+34 54 14.1	19.3
5.35773	9 40 07.34	+34 54 28.7	19.6
5.36422	9 40 07.98	+34 54 33.3	19.6

The following orbital elements by B. G. Marsden, Smithsonian Astrophysical Observatory, are from 338 observations, 2004–2008 (mean residual $0''.4$):

Epoch = 2004 Mar. 16.0 TT

$$\begin{array}{llll} T = 2004\ \text{Apr.}\ 2.1633\ \text{TT} & \omega = 149^\circ.6559 & \\ e = 0.689403 & \Omega = 66.4876 & \left.\right\} 2000.0 \\ q = 0.912180\ \text{AU} & i = 19.1473 & \end{array}$$

$a = 2.936863$ AU $n^\circ = 0.1958297$ $P = 5.03$ years

Epoch = 2009 Mar. 30.0 TT

$$\begin{array}{llll} T = 2009\ \text{Apr.}\ 15.9744\ \text{TT} & \omega = 149^\circ.7295 & \\ e = 0.688978 & \Omega = 66.4497 & \left.\right\} 2000.0 \\ q = 0.913706\ \text{AU} & i = 19.1479 & \end{array}$$

$a = 2.937753$ AU $n^\circ = 0.1957407$ $P = 5.04$ years

COMET 29P/SCHWASSMANN-WACHMANN

Visual total-magnitude estimates (cf. *IAUC* 8991): Oct. 11.10 UT, 10.3 (M. Meyer, Frauenstein, Germany, 15-cm refractor); 26.11, 10.4 (J. J. Gonzalez, Leon, Spain, 20-cm reflector); Nov. 6.03, 10.3 (Gonzalez); 10.16, 11.0 (M. L. Paradowski, Dabrowa, Poland, 25-cm reflector); 23.83, 11.0 (S. Yoshida, Gunma, Japan, 40-cm reflector).

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