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COMET P/2009 Q2 (LINEAR-NEAT)

J. V. Scotti, Lunar and Planetary Laboratory, reports his recovery of comet P/2003 XD_{10} (cf. *IAUC* 8257) showing stellar appearance on Spacewatch images obtained with the 1.8-m $f/2.7$ reflector at Kitt Peak (first observation tabulated below).

2009 UT	α_{2000}	δ_{2000}	Mag.	*Observer*
Aug. 27.39043	$1^h18^m00^s.41$	$-7^\circ20'05''.0$	21.5	Scotti

The indicated correction to the prediction on *MPC* 59598 is $\Delta T = -0.10$ day. Additional astrometry by Scotti for Aug. 27, 28, and 29 — together with orbital elements for epoch 2003 (and those below), residuals, and an ephemeris — appear on *MPEC* 2009-Q68.

$$\text{Epoch} = \text{2010 Feb. 13.0 TT}$$
$$\begin{array}{llll} T = \text{2010 Jan. 31.8363 TT} & \omega = 16^\circ.0938 & \\ e = 0.416377 & \Omega = 40.5285 & \Big\} 2000.0 \\ q = 1.989593\text{ AU} & i = 13.4361 & \end{array}$$
$$a = 3.409038\text{ AU} \quad n^\circ = 0.1565872 \quad P = 6.29\text{ years}$$

COMET C/2009 Q3 (LINEAR)

J. V. Scotti, Lunar and Planetary Laboratory, reports his recovery of comet P/2002 T1 (cf. *IAUC* 7983) showing a "soft" appearance (no obvious coma or tail) on Spacewatch images obtained with the 1.8-m $f/2.7$ reflector at Kitt Peak (first observation tabulated below).

2009 UT	α_{2000}	δ_{2000}	Mag.	*Observer*
Aug. 28.49035	$4^h31^m39^s.80$	$+25^\circ09'34''.5$	21.1	Scotti

The indicated correction to the prediction on *MPC* 56804 is $\Delta T = +0.04$ day. Additional astrometry by Scotti for Aug. 28 and 29 — together with orbital elements for epoch 2002 (and those below), residuals, and an ephemeris — appear on *MPEC* 2009-Q69.

$$\text{Epoch} = \text{2009 Sept. 6.0 TT}$$
$$\begin{array}{llll} T = \text{2009 Aug. 25.5302 TT} & \omega = 3^\circ.8270 & \\ e = 0.639260 & \Omega = 14.2249 & \Big\} 2000.0 \\ q = 1.314740\text{ AU} & i = 21.3965 & \end{array}$$
$$a = 3.644561\text{ AU} \quad n^\circ = 0.1416564 \quad P = 6.96\text{ years}$$

2009 August 29 *Daniel W. E. Green*