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COMET C/2009 U1 (GARRADD)

G. J. Garradd, Siding Spring Observatory, reports his discovery of a comet with the 0.5-m Uppsala Schmidt telescope (discovery observation tabulated below); stacking five 60-s exposures showed a 7''.4 coma (FWHM) and faint fan tail 30'' long in p.a. $160^{\rm o}$ with a $45^{\rm o}$ fan angle.

2009	UT	α_{2000}	δ_{2000}	Mag.	Observer
Oct. 17	7.71474	$4^{^{\rm h}}\!25^{^{\! { m m}}}\!38\overset{{}_{\circ}}{.}40$	$-39^{\circ}15^{'}50\overset{''}{.6}$	19.6	Garradd

Additional astrometry, the following very preliminary parabolic orbital elements, and an ephemeris appear on MPEC~2009-U27:

COMET P/2009 U2 (LINEAR)

J. V. Scotti reports his recovery of comet P/2001 YX₁₂₇ (cf. IAUC 7828) with the Spacewatch II telescope at Kitt Peak; the comet was very slightly diffuse, with a short but faint tail. The indicated correction to the prediction in the 2009/2010 Comet Handbook is $\Delta T = -0.33$ day (and $\Delta T = -0.36$ day to the prediction on MPC 62881).

2009	UT	α_{2000}	δ_{2000}	Mag.	Observer
Oct.	18.45096	$3^{^{\mathrm{h}}}\!23^{^{\mathrm{m}}}\!08\overset{^{\mathrm{s}}}{.}99$	$+21^{\circ}29^{\prime}50^{''}\!3$	20.9	Scotti
	18.46185	$3\ 23\ 08.66$	$+21\ 29\ 50.2$	21.0	"
	18.47364	$3\ 23\ 08.29$	$+21\ 29\ 49.7$	20.9	,,
	19.27723	$3\ 22\ 42.50$	$+21\ 29\ 33.1$	21.2	,,
	19.28834	$3\ 22\ 42.12$	$+21\ 29\ 33.1$	21.5	"
	19.30024	$3\ 22\ 41.71$	$+21\ 29\ 32.4$	21.0	"

The following orbital elements (from observations 2001–2009), with residuals and an ephemeris, appear on MPEC 2009-U40.