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COMET P/2007 U2 (LINEAR-NEAT)

K. Sárneczky and L. L. Kiss report their recovery of comet P/2001 Q5 (cf. *IAUC* 7697) on *R*-band CCD images obtained with the 2.3-m reflector at Siding Spring (astrometry tabulated below). Coma diameters and tail lengths: Oct. 21.5 UT, 3'', 6'' in p.a. 95° (co-added 300-s image); 22.4, 3'', 8'' in p.a. 90° (co-added 180-s image).

	2007	UT	α_{2000}	δ_{2000}	Mag.
Oct.	21.44897		18 ^h 34 ^m 35 ^s .78	-28°52'24.9''	19.8
	21.45048		18 34 35.98	-28 52 23.9	
	21.45199		18 34 36.14	-28 52 23.5	
	21.45350		18 34 36.29	-28 52 22.9	
	22.39249		18 36 15.32	-28 46 59.9	
	22.40073		18 36 16.17	-28 46 57.2	19.7
	22.40629		18 36 16.77	-28 46 55.3	
	22.41352		18 36 17.49	-28 46 52.5	
	22.41704		18 36 17.89	-28 46 51.4	

The indicated correction to the prediction on *MPC* 54167 is $\Delta T = -0.5$ day. The following orbital elements by B. G. Marsden are from 234 observations, 2001–2007 (mean residual 0''.7); the ephemeris uses $H_{10} = 14.0$.

Epoch = 2001 June 20.0 TT

$$\left. \begin{array}{l} T = 2001 \text{ June } 11.6210 \text{ TT} \\ e = 0.416559 \\ q = 2.043148 \text{ AU} \\ a = 3.501896 \text{ AU} \end{array} \right\} 2000.0$$

$$\left. \begin{array}{l} \omega = 6^{\circ}.3996 \\ \Omega = 336.2663 \\ i = 10.9448 \\ n^{\circ} = 0.1504005 \\ P = 6.553 \text{ years} \end{array} \right\}$$

Epoch = 2008 Feb. 24.0 TT

$$\left. \begin{array}{l} T = 2008 \text{ Feb. } 20.4955 \text{ TT} \\ e = 0.395943 \\ q = 2.155746 \text{ AU} \\ a = 3.568779 \text{ AU} \end{array} \right\} 2000.0$$

$$\left. \begin{array}{l} \omega = 8^{\circ}.2860 \\ \Omega = 335.2570 \\ i = 10.7041 \\ n^{\circ} = 0.1461923 \\ P = 6.742 \text{ years} \end{array} \right\}$$

	2007 TT	α_{2000}	δ_{2000}	Δ	r	ϵ	β	Mag.
Oct.	17	18 ^h 26 ^m .93	-29°17'.3	2.433	2.342	72°.9	24°.0	19.6
	27	18 44.50	-28 19.9	2.518	2.316	66.8	23.2	19.7
Nov.	6	19 03.13	-27 16.2	2.600	2.291	61.1	22.3	19.7
	16	19 22.62	-26 04.8	2.677	2.268	55.5	21.1	19.7
	26	19 42.75	-24 44.7	2.748	2.246	50.1	19.7	19.7