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INTERNATIONAL ASTRONOMICAL UNION

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COMET C/2005 P3 (SWAN)

Preliminary parabolic orbital elements from the CCD astrometry on
 IAUC 8587 (predicted magnitudes from $H = 11.0$, $n = 3$):

$$\left. \begin{array}{ll} T = 2005 \text{ Aug. } 9.638 \text{ TT} & \omega = 30.616 \\ & \Omega = 245.145 \\ q = 0.51554 \text{ AU} & i = 89.482 \end{array} \right\} 2000.0$$

2005 TT	α_{2000}	δ_{2000}	Δ	r	ϵ	β	Mag.
Aug. 23	11 ^h 34 ^m .05	+36°05'.2	1.162	0.604	31°3	60°5	9.7
25	11 33.88	+37 46.5	1.181	0.629	32.2	58.8	9.9
27	11 33.41	+39 20.4	1.199	0.656	33.2	57.4	10.0
29	11 32.71	+40 47.6	1.215	0.685	34.3	56.2	10.2
31	11 31.82	+42 09.1	1.230	0.715	35.5	55.2	10.4
Sept. 2	11 30.79	+43 25.6	1.243	0.746	36.9	54.3	10.5
4	11 29.65	+44 38.0	1.254	0.777	38.3	53.5	10.7
6	11 28.43	+45 46.8	1.264	0.810	39.8	52.8	10.8
8	11 27.13	+46 52.8	1.272	0.842	41.4	52.2	11.0
10	11 25.78	+47 56.5	1.279	0.876	43.0	51.7	11.1
12	11 24.37	+48 58.4	1.285	0.909	44.7	51.2	11.2

Visual-magnitude and coma-diameter estimates: Aug. 26.14 UT, 10.5, 3' (A. Hale, Cloudcroft, NM, 0.20-m reflector); 26.46, 9.0, 1' (J. Kobayashi, Kumamoto, Japan, 20×100 binoculars).

SUPERNOVA 2005dl IN NGC 2276

A. Dimai, Cortina, Italy; and M. Migliardi, Tour Tour, France, report discovery of an apparent supernova (mag 17.1) in the course of the CROSS program (cf. IAUC 7373) on four unfiltered CCD images taken on Aug. 25.1 UT with the 0.5-m 'Ullrich' telescope at Cortina d'Ampezzo, Italy. The new object, which was confirmed at mag 16.8 on three images taken on Aug. 26.13, is located at $\alpha = 7^{\text{h}}27^{\text{m}}31^{\text{s}}.75$, $\delta = +85^{\circ}45'15''.0$ (equinox 2000.0), which is 18" east and 1" south of the nucleus of NGC 2276. Nothing is visible at this position on mages taken on Feb. 17 (limiting mag ~ 19.0) by F. Manzini and on May 19 (limiting mag ~ 18.5), and it is absent from Palomar Sky Survey red and blue plates.