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COMET C/2005 P3 (SWAN)

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

$$T = 2005 \text{ Aug. } 9.638 \text{ TT} \qquad \left.\begin{array}{l} \omega = 30.^\circ616 \\ \Omega = 245.145 \\ i = 89.482 \end{array}\right\} 2000.0$$
$$q = 0.51554 \text{ AU}$$

2005 TT	α_{2000}	δ_{2000}	Δ	r	ϵ	β	Mag.
Aug. 23	$11^h34^m.05$	$+36^\circ05'.2$	1.162	0.604	$31^\circ.3$	$60^\circ.5$	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 $\alpha = 7^h27^m31^s.75$, $\delta = +85^\circ45'15''.0$ (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 $\sim$ 19.0) by F. Manzini and on May 19 (limiting mag $\sim$ 18.5), and it is absent from Palomar Sky Survey red and blue plates.

  Daniel W. E. Green