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COMET C/2009 E1 (ITAGAKI)

M. Kusiak, Astronomical Observatory, Jagiellonian University, reports that this comet is apparently visible in SOHO SWAN ultraviolet images (additional details are given on *CBET* 1721). Visual total-magnitude and coma-diameter estimates: Mar. 14.85 UT, 9.6, 4'.5 (J. J. Gonzalez, Leon, Spain, 0.20-m reflector; zodiacal light); 15.103, 10:, 3' (A. Hale, Cloudcroft, NM, U.S.A., 41-cm reflector; clouds; small condensed area within a diffuse coma); 15.95, 9.6, 3'.5 (M. Goiato, Araçatuba, Brazil, 22-cm reflector).

Further to *IAUC* 9026, additional astrometry has been published by B. G. Marsden on *MPEC* 2009-E69, together with the following preliminary parabolic orbital elements and an ephemeris.

$$T = 2009 \text{ Apr. } 7.385 \text{ TT} \qquad \left.\begin{aligned}\omega &= 47^\circ.130\\ \Omega &= 105.780\\ i &= 128.398\end{aligned}\right\} 2000.0$$
$$q = 0.60809 \text{ AU}$$

COMETS C/2008 W2, C/2008 W3, C/2008 W4, C/2008 W5 (SOHO)

Further to *IAUC* 9024, additional Kreutz sungrazers have been found on SOHO website images, with their "discovery" observations tabulated below. C/2008 W2 was tiny and condensed (mag ~ 7.5). C/2008 W3 was stellar in appearance (mag ~ 7–7.5) in C3 images, and quite condensed in C2 images. C/2008 W4 was tiny and stellar in appearance (mag ~ 8). C/2008 W5 was stellar in appearance (mag ~ 6.5) in C3 images, and fairly condensed with a very short, diffuse tail in C2 images.

Comet	2008 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2008 W2	Nov. 16.317	$15^h25^m.5$	$-20^\circ29'$	C2	JR	2009-C47
C/2008 W3	23.388	15 49.0	−23 40	C3/2	AK	2009-C47
C/2008 W4	23.521	15 56.0	−21 11	C2	HS	2009-C56
C/2008 W5	23.888	15 51.2	−23 46	C3/2	JR	2009-C56

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