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COMET C/2007 N3 (LULIN)

M. R. Combi, University of Michigan: J.-L. Bertaux and E. Quèmerais, Service d'Aèronomie, Centre National de la Recherche Scientifique and Université de Versailles Saint-Quentin en Yvelines; and J. T. T. Mäkinen, Finnish Meteorological Institute, note that the Solar Wind Anisotropies (SWAN) camera on the Solar and Heliospheric Observatory (SOHO) spacecraft, located at the earth-sun L_1 Lagrange point, makes daily full-sky images of hydrogen Lyα. SWAN detected comet C/2007 N3 from Jan. 20 to 30. The following water-production rates (given in units of 10^{27} s^{-1}) were determined from the hydrogen Lyα brightness and distribution: Jan. 20.5 UT, 98; Jan. 21.5, 98; Jan. 22, 100; Jan. 23.5, 120; Jan. 24.5, 110; Jan. 25.5, 79; Jan. 26.5, 120; Jan. 27.5, 79; Jan. 28.5, 77; Jan. 29.5, 84; Jan. 30.5, 79. Calibration, background subtraction, and model parameters contribute to a realistic absolute uncertainty of $\sim$ 30 percent (there are uncertainties from the instrument noise and formal model inversion).

COMETS C/2008 T11, C/2008 T12, AND C/2008 U2–U4 (SOHO)

Further to *IAUC* 9018, additional Kreutz sungrazers have been found on SOHO website images. C/2008 T11 was small and stellar in appearance (mag $\sim$ 7–7.5) in C3 images, but diffuse and faint with no tail in C2 images. C/2008 T12 was very small, diffuse, and elongated (mag $\sim$ 8). C/2008 U2 was small and stellar in appearance (mag $\sim$ 7). C/2008 U3 was slightly diffuse (mag $\sim$ 8–8.5). C/2008 U4 was slightly diffuse, appearing small (mag $\sim$ 7) in C3 images with a short, diffuse tail in C2 images.

Comet	2008	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2008 T11	Oct.	13.638	$13^{h}01^{m}.3$	$-\ 9^{\circ}32'$	C3/2	HS	2009-A59
C/2008 T12		14.313	13 11.3	$-\ 9$ 13	C2	RK	2009-A59
C/2008 U2		16.521	13 19.8	-10 06	C2	EB	2009-B66
C/2008 U3		16.788	13 21.3	-10 09	C2	RM	2009-B66
C/2008 U4		16.863	13 08.1	-11 06	C3/2	RM	2009-B66

COMETS 213P/VAN NESS, 214P/LINEAR, AND 215P/NEAT

Comet P/2009 B3 = P/2005 R2 (cf. *IAUC* 9017) has been assigned the permanent designation 213P. Comet P/2009 B4 = P/2002 CW_{134} (cf. *IAUC* 9017) has been assigned the permanent designation 214P. Comet P/2009 B5 = P/2002 O8 (cf. *IAUC* 9018) has been assigned the permanent designation 215P. See also *MPC* 64980.

2009 February 18 *Daniel W. E. Green*