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COMET C/2008 O1 (SOHO)

Further to *IAUC* 8961, a Kreutz sungrazing comet has been found on SOHO-LASCO coronagraph C3 website images by H. Su (discovery observation tabulated below); according to K. Battams, the object is very small and essentially stellar in appearance with a hint of elongation (mag $\sim$ 7.5 on July 31.738 UT).

Comet	2008 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2008 O1	July 31.596	$8^{h}23^{m}.2$	$+16^{\circ}01'$	C3	HS	2008-O67

This relatively bright Kreutz fragment might be observable during the total solar eclipse on Aug. 1.39-1.47 near $\alpha = 8^{h}38^{m}$, $\delta = +16^{\circ}.8$ (equinox 2000.0). The following very preliminary parabolic orbital elements from 16 observations were published on *MPEC* 2008-P01, together with two ephemerides to indicate the uncertainty in the predicted position during totality.

$$T = 2008\ \text{Aug.}\ 1.68\ \text{TT} \qquad \left.\begin{aligned}\omega &= 91^{\circ}.48\\ \Omega &= 11.90\\ i &= 143.38\end{aligned}\right\}2000.0$$

$$q = 0.0042\ \text{AU}$$

2007 TY$_{430}$

S. S. Sheppard, Carnegie Institution of Washington; and C. A. Trujillo, Gemini Observatory, report the discovery of a satellite to the transneptunian minor planet 2007 TY$_{430}$ (cf. *MPEC* 2008-M38) on images taken on 2007 Oct. 14 at Mauna Kea; images were obtained on several dates with the 8.3-m Subaru, 8.2-m Gemini, and 6.5-m Magellan telescopes. At discovery, the binary had a separation of $\sim 0''.6$ (or at least 13000 km between components) in p.a. $\sim 230^{\circ}$. The two components appear to have a brightness within $\sim$ 0.1 mag of each other. The individual components' g'–i' colors also appear to be very similar. Ongoing monitoring of the binary shows a period of well over 1 year.

THE EDGAR WILSON AWARD 2008

The Smithsonian Astrophysical Observatory announces that the 2008 Edgar Wilson Award for the discovery of comets (cf. *IAUC* 6936, 8854) is being divided among the following two individuals for the discovery of C/2008 C1: Tao Chen (Suzhou City, Jiangsu province, China) and Xing Gao (Urumqi, Xinjiang province, China).

2008 August 1 *Daniel W. E. Green*