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COMET P/2006 HR₃₀ (SIDING SPRING)

Reports from two groups of observers indicate that 2006 HR₃₀, reported as a steroidal when discovered by the Siding Spring Survey (discovery observation tabulated below; cf. *MPEC* 2006-H40), appears cometary. A co-addition of three 10-s V-band exposures, obtained on July 29.3 UT by S. C. Lowry and A. Fitz simmons (Department of Physics and Astronomy, Queen's University, Belfast) with the 3.5-m New Technology Telescope at the European Southern Observatory (ESO), La Silla, show a coma extending to 5".5 in p.a. 31°. Observations by M. Hicks and K. Lawrence (Jet Propulsion Laboratory) on Aug. 3 with the Palomar 5-m Hale telescope show a faint coma extending $\approx 10"$ from the 'nucleus' in both the *R*-band and long-slit spectral images.

2006 UT	α_{2000}	δ_{2000}	Mag.
Apr. 20.78181	$22^{h}04^{m}31.90$	$-9^{\circ}04^{'}14^{''}_{9}$	18.7

Additional astrometry, the following orbital elements (from observations in 2005 and 2006), and an ephemeris appear on *MPEC* 2006-P09. There is also an unconfirmed observation of this object on a 2-hr ESO exposure from 1986 Mar. 5, measured by G. Forti (Arcetri Observatory, Florence) and published on *MPS* 174727.

Epoch = 2007 Jan. 20.0 1 ^o T								
T	=	2007 Jan.	2.2815	TT	ω	=	117.4137 •)
e	=	0.843142			Ω	=	309.9512	2000.0

q = 1.226435 AU	i =	31.8845)
a = 7.818745 AU	$n^{\rm o} = 0.0450815$	P = 21.86 years

COMETS C/1999 V5 AND C/1999 X3 (SOHO)

Further to *IAUC* 8734, given below are the discovery data for additional small, stellar-appearing comets found on archival SOHO images. C/1995 V5, a Kreutz sungrazer, was of mag ~ 7.5 or fainter. C/1999 X3, not a member of any known comet group (T = 1999 Dec. 12.7 TT, q = 0.081, e = 1.0, $i = 7^{\circ}2$), was too faint for photometry.

Comet	1999 UT	α_{2000}	δ_{2000}	Inst.	\mathbf{F}	MPEC
	Nov. 14.379 Dec. 12.564					2006-O20 2006-L20

2006 August 3

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