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COMET C/2006 O2 (GARRADD)

G. J. Garradd reports his discovery of a comet on CCD images taken with the 0.5-m Uppsala Schmidt telescope (discovery observation tabulated below), the object showing a broad 40″ tail in p.a. ~ 120°.

2006	UT	α_{2000}	δ_{2000}	Mag.
July	30.38855	$14^h44^m32^s.89$	$-39°39'31''.8$	17.4

The available astrometry, the following parabolic orbital elements, and an ephemeris appear on *MPEC* 2006-P05.

$$T = 2006\text{ Oct. } 5.228\text{ TT} \qquad \omega = 19°.660$$
$$\Omega = 283.123 \quad \text{(2000.0)}$$
$$q = 1.56375\text{ AU} \qquad i = 43.270$$

COMETS C/1996 R5 AND C/1996 X3–X5 (SOHO)

Additional comets have been found on archival SOHO website images (cf. *IAUC* 8724) — all described by K. Battams as being small and stellar in appearance. C/1996 R5, a Kreutz sungrazer, peaked at mag 7.5–8.0; the other objects belong to the Kracht group, with C/1996 X3 and C/1996 X4 peaking at mag ~ 7.0, and C/1997 X5 peaking at mag ~ 7.5.

Comet	1996	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/1996 R5	Sept.	3.821	$10^h34^m.6$	$+ 6°14'$	C3	RK	2006-J44
C/1996 X3	Dec.	5.629	16 56.8	−22 39	C2	RK	2006-C49
C/1996 X4		5.813	16 57.0	−22 36	C2/3	RK	2006-C49
C/1996 X5		5.908	16 56.3	−22 32	C2/3	RK	2006-C49

COMETS C/1998 G9, 1998 L10, 1998 T2, 1998 W8 (SOHO)

The following SOHO comets (Kreutz sungrazers except for Meyer-group member C/1998 G9) were all small and stellar in appearance (mag 7.5–8.0), except for C/1998 L10, which was very faint and slightly diffuse.

Comet	1998	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/1998 G9	Apr.	11.894	$1^h22^m.8$	$+10°12'$	C2	RK	2006-J45
C/1998 L10	June	2.316	4 36.9	+20 17	C2	RK	2006-J45
C/1998 T2	Oct.	14.806	13 01.2	− 9 43	C3	RK	2006-J45
C/1998 W8	Nov.	30.064	16 24.5	−23 15	C3	RK	2006-J45

2006 August 1 *Daniel W. E. Green*