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COMET 2007 E2

Terry Lovejoy, Thornlands, Queensland, Australia, reports his discovery of a comet with a strong central condensation and a green extended 4′ coma, with a slight extension to the southwest, on sixteen 90-s CCD images obtained on Mar. 15 with a Canon 350D camera (+ 200-mm f/2.8 lens); the coma diameter was given as 5′ from his Mar. 16 frame (his positions below have estimated uncertainties of ± 15″). At Lovejoy's request, J. Drummond (Gisborne, New Zealand, 0.41-m reflector) confirmed the comet visually at mag 9.5 (moderately condensed, coma diameter 2′.6, no tail).

2007	UT	α_{2000}	δ_{2000}	Mag.	*Observer*
Mar.	15.727	$20^h44^m05^s.5$	$-51°14'14''$	10	Lovejoy
	15.736	20 44 06.1	−51 13 22		"
	16.525	20 43 02.7	−50 49 35	9.5	Drummond
	16.625	20 42 59.5	−50 45 39		"
	16.704	20 42 55.2	−50 43 14	9.3	Lovejoy

COMETS C/2006 X11 AND C/2006 Y3–Y9 (SOHO)

Eight additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8815). All were stellar in appearance except C/2006 X11 (diffuse and small), C/2006 Y8 (slightly diffuse, tiny, mag ∼ 8), and C/2006 Y9 ("mostly stellar" in appearance). C/2006 X11, C/2006 Y3 (C3 images), C/2006 Y7, and C/2006 Y9 were very faint (mag ∼ 8.5). C/2006 Y3 was of mag ∼ 8 in C2 images. C/2006 Y4 was of mag ∼ 7.5–8. C/2006 Y5 reached mag 5.3 on Dec. 21.529 UT (at $10R_\odot$) but showed no apparent tail. C/2006 Y6 reached mag 5.0 on Dec. 21.846 (at $11R_\odot$) in C3 images, while C2 images show a hint of an extremely faint, thin tail.

Comet	2006	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2006 X11	Dec.	15.371	$17^h33^m.8$	$-25°05'$	C2	RM	2007-D16
C/2006 Y3		17.863	17 47.8	−25 35	C3/2	SY	2007-D16
C/2006 Y4		20.038	17 55.6	−25 16	C2	RK	2007-D16
C/2006 Y5		20.929	18 00.8	−27 40	C3/2	TH	2007-D16
C/2006 Y6		21.238	18 02.3	−27 58	C3/2	BZ	2007-D17
C/2006 Y7		21.854	18 03.6	−25 20	C2	TH	2007-D17
C/2006 Y8		21.884	18 03.8	−25 10	C2	RK	2007-D17
C/2006 Y9		21.914	18 04.1	−25 15	C2	MA	2007-D17

2007 March 16 *Daniel W. E. Green*