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COMET C/2006 A1 (POJMANSKI)

Ephemeris from the orbital elements on $IAUC~8653~(H=10,\,n=3)$:

2006TT	α_{2000}	δ_{2000}	Δ	r	ϵ	β	Mag.
Jan. 5	$21^{^{\mathrm{h}}}\!28\overset{^{\mathrm{m}}}{.}87$	$-67^{\circ}09\overset{'}{.}7$	1.520	1.164	$50^{\circ}\!.0$	$40^{\circ}\!.3$	11.4
10	$21\ 16.13$	$-65\ 14.8$	1.484	1.084	46.9	41.5	11.1
15	$21\ 04.83$	$-63\ 12.5$	1.441	1.003	44.1	43.0	10.8
20	$20\ 54.47$	$-60\ 59.3$	1.389	0.924	41.6	45.0	10.5
25	$20\ 44.69$	-58 29.1	1.328	0.846	39.5	47.8	10.1
30	$20\ 35.38$	$-55\ 32.9$	1.259	0.773	37.9	51.5	9.7
Feb. 4	$20\ 26.66$	$-51\ 57.4$	1.180	0.705	36.6	56.5	9.2

COMETS C/2005 W6-W13 (SOHO)

Additional near-sun comets have been found on SOHO website images (cf. IAUC 8650; WX = W. Xu, JR = J. Ruan) — all Kreutz sungrazers except for C/2005 W9 and C/2005 W11 (which both belong to the Meyer group). C/2005 W6 was small, faint, and stellar in appearance in C3 images, but diffuse and barely discernible in C2 images. C/2005 W7 appeared stellar and slightly elongated in C3 images, reaching mag 7.0 at $11.5R_{\odot}$ on Nov. 19.888 UT; in C2 images, it was relatively large and bright with a short tail that reached a length of 177'' at $5.8R_{\odot}$ on Nov. 20.313. C/2005 W8 was small and stellar in appearance in C3 images, reaching mag 7.6 at $11.5R_{\odot}$ on Nov. 19.888; in C2 images, it appeared stellar and was reasonably bright with no tail. C/2005 W9 and C/2005 W11 were very faint, small, and stellar in appearance. C/2005 W10 was extremely faint and diffuse. C/2005 W12 was very faint, elongated, and diffuse. C/2005 W13 was quite bright and stellar in appearance on C3 images, reaching mag 6.8 at $8.5R_{\odot}$ on Nov. 21.929; in C2 images it appeared stellar with no tail.

Comet	2005 UT	α_{2000}	δ_{2000}	Inst.	\mathbf{F}	MPEC
C/2005 W6	Nov. 18.446	$15^{^{\mathrm{h}}}\!32^{^{\mathrm{m}}}\!\!4$	$-22^{\circ}45^{'}$	C3/2	TS	2005-Y14
C/2005 W7	19.433	$15\ 27.9$	$-23\ 29$	C3/2	WX	2005-Y14
C/2005 W8	19.447	$15\ 27.5$	$-23\ 23$	C3/2	$_{ m JR}$	2005-Y14
C/2005 W9	19.564	$15 \ 38.3$	$-18\ 02$	C2	$_{\mathrm{HS}}$	2005-Y15
C/2005 W10	19.814	$15 \ 39.4$	$-21\ 15$	C2	TH	2005-Y15
C/2005 W11	19.979	$15 \ 39.9$	$-18\ 17$	C2	$_{\mathrm{HS}}$	2005-Y15
C/2005 W12	20.354	$15\ 41.9$	$-21\ 21$	C2	QY	2005-Y15
C/2005 W13	21.221	$15 \ 34.9$	$-23\ 52$	C3/2	TS	2005-Y22