

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12797 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

See [axaff12797N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.040800223351

Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

seq_num	702433	Sequence number
obs_id	12797	Observation id
title	X-rays from the extended emission-line region of 3C305: probing a massive jet-driven outflow	Proposal title
observer	Dr Martin Hardcastle	Principal investigator
object	3C305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.34	Observer's specified target RA [deg]
dec_targ	63.270583	Observer's specified target Dec [deg]
ra_nom	222.34038118793	Nominal RA [deg]
dec_nom	63.275441549451	Nominal Dec [deg]
roll_nom	56.356292505473	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29040.800223351	Sum of GTIs [s]
livetime	28661.360788906	Livetime [s]
ontime2	29037.659253001	Sum of GTIs [s]
ontime3	29037.659253001	Sum of GTIs [s]
ontime6	29040.800223351	Sum of GTIs [s]
ontime7	29040.800223351	Sum of GTIs [s]
ontime8	29040.800223351	Sum of GTIs [s]
l2events	191746	Number of level 2 events

