

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13409 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff13409N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.028000149488

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.

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Target is very off-axis.

seq_num	890054	Sequence number
obs_id	13409	Observation id
title	Mapping the Spatial Distribution of the ACIS Contaminant	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.517521072674	Nominal RA [deg]
dec_nom	-72.183566097799	Nominal Dec [deg]
roll_nom	135.78220309011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10028.000149488	Sum of GTIs [s]
livetime	9538.6665552064	Livetime [s]
ontime5	10028.000149488	Sum of GTIs [s]
l2events	44490	Number of level 2 events

