

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13412 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff13412N002-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	15.052258301497

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	890057	Sequence number
obs_id	13412	Observation id
title	Mapping the Spatial Distribution of the ACIS Contaminant	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	Abell 1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219	Observer's specified target RA [deg]
dec_targ	26.591	Observer's specified target Dec [deg]
ra_nom	207.32653979083	Nominal RA [deg]
dec_nom	26.663912954266	Nominal Dec [deg]
roll_nom	216.55469924202	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15052.258301914	Sum of GTIs [s]
livetime	14855.589465888	Livetime [s]
ontime0	15052.176221907	Sum of GTIs [s]
ontime1	15052.21726191	Sum of GTIs [s]
ontime2	15052.258301914	Sum of GTIs [s]
ontime3	15052.299341917	Sum of GTIs [s]
ontime6	15048.994171679	Sum of GTIs [s]
l2events	131189	Number of level 2 events

