

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12271 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

See [axaff12271N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.050342203259

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	800990	Sequence number
obs_id	12271	Observation id
title	Chandra Observations of the ACT Sample of SZE-Selected Galaxy Clusters	Proposal title
observer	Prof John Hughes	Principal investigator
object	ACT J0707-5522	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	106.769583	Observer's specified target RA [deg]
dec_targ	-55.385694	Observer's specified target Dec [deg]
ra_nom	106.82456795923	Nominal RA [deg]
dec_nom	-55.430217760289	Nominal Dec [deg]
roll_nom	307.07932004859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20050.342206001	Sum of GTIs [s]
livetime	19788.369724233	Livetime [s]
ontime0	20053.360076249	Sum of GTIs [s]
ontime1	20053.401116252	Sum of GTIs [s]
ontime2	20050.301185906	Sum of GTIs [s]
ontime3	20050.342206001	Sum of GTIs [s]
ontime6	20053.319036245	Sum of GTIs [s]
l2events	73113	Number of level 2 events

