

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12258 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12258N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.042887789547

## 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	800977	Sequence number
obs_id	12258	Observation id
title	Chandra Observations of the ACT Sample of SZE-Selected Galaxy Clusters	Proposal title
observer	Prof John Hughes	Principal investigator
object	ACT J0102-4915	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.71875	Observer's specified target RA [deg]
dec_targ	-49.249444	Observer's specified target Dec [deg]
ra_nom	15.709917372645	Nominal RA [deg]
dec_nom	-49.303536040201	Nominal Dec [deg]
roll_nom	265.955523134	Nominal Roll [deg]
revision	2	Processing version of data
ontime	60042.887785852	Sum of GTIs [s]
livetime	59258.383253999	Livetime [s]
ontime0	60039.623705506	Sum of GTIs [s]
ontime1	60045.946785629	Sum of GTIs [s]
ontime2	60039.705735743	Sum of GTIs [s]
ontime3	60042.887785852	Sum of GTIs [s]
ontime6	60049.005705893	Sum of GTIs [s]
l2events	214152	Number of level 2 events

