

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12872 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12872N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9599999741316

## 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	702505	Sequence number
obs_id	12872	Observation id
title	Chandra Survey of Hard X-ray Selected Merging AGN Hosts	Proposal t
observer	Dr. Richard Mushotzky	Principal investigator
object	NGC 235A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.72	Observer's specified target RA [deg]
dec_targ	-23.54	Observer's specified target Dec [deg]
ra_nom	10.72374661703	Nominal RA [deg]
dec_nom	-23.543455568861	Nominal Dec [deg]
roll_nom	283.46329785871	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6959.9999741316	Sum of GTIs [s]
livetime	6871.8682636503	Livetime [s]
ontime3	6959.9999741316	Sum of GTIs [s]
ontime5	6959.9999741316	Sum of GTIs [s]
ontime6	6959.9999741316	Sum of GTIs [s]
ontime7	6959.9999741316	Sum of GTIs [s]
ontime8	6959.9999741316	Sum of GTIs [s]
ontime9	6959.9999741316	Sum of GTIs [s]
l2events	82876	Number of level 2 events

