## V&V Summary Report L2 ASCDS Version : 8.4.3

## Observation 12931 - L2 Version 2 Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12931N002\_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	13.753599948823

## 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.

Roll preference met.

seq_num	900963	Sequence number
obs_id	12931	Observation id
title	Filling the 15 micron Gap: Search for Compton-thick Accretion with Chandra and AKARI in the NEP Deep Field	Proposal title
observer	Dr. Mirko Krumpe	Principal investigator
object	AKARI-NEP-Deep Field	Source name
dtycycle	0	
cycle	Р	events from which exps? Prim/Second/Both
ra_targ	268.885	Observer's specified target RA [deg]
dec_targ	66.615	Observer's specified target Dec [deg]
ra_nom	268.88042179193	Nominal RA [deg]
dec_nom	66.62286220092	Nominal Dec [deg]
roll_nom	85.712896811656	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13753.599948823	Sum of GTIs [s]
livetime	13579.443584848	Livetime [s]
ontime0	13753.599948823	Sum of GTIs [s]
ontime1	13753.599948823	Sum of GTIs [s]
ontime2	13750.35897845	Sum of GTIs [s]
ontime3	13753.599948823	Sum of GTIs [s]
ontime6	13750.35897851	Sum of GTIs [s]
ontime7	13753.599948823	Sum of GTIs [s]
l2events	94297	Number of level 2 events

