

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12927 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See [axaff12927N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.038277128756

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	900959	Sequence number
obs_id	12927	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
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.55417	Observer's specified target RA [deg]
dec_targ	66.5425	Observer's specified target Dec [deg]
ra_nom	268.55158878511	Nominal RA [deg]
dec_nom	66.550511719657	Nominal Dec [deg]
roll_nom	80.111067350678	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24038.277128756	Sum of GTIs [s]
livetime	23733.889989639	Livetime [s]
ontime0	24047.999910474	Sum of GTIs [s]
ontime1	24041.518049419	Sum of GTIs [s]
ontime2	24047.999910474	Sum of GTIs [s]
ontime3	24038.277128756	Sum of GTIs [s]
ontime6	24044.75894016	Sum of GTIs [s]
ontime7	24047.999910474	Sum of GTIs [s]
l2events	178926	Number of level 2 events

