

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12305 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12305N002-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	29.050059193134

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	801010	Sequence number
obs_id	12305	Observation id
title	The X-ray Properties of Weak-Lensing Selected Galaxy Clusters	Prop
observer	MR Paul Giles	Principal investigator
object	SLJ0850.5+4512	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.632083	Observer's specified target RA [deg]
dec_targ	45.203333	Observer's specified target Dec [deg]
ra_nom	132.55964848016	Nominal RA [deg]
dec_nom	45.222258883816	Nominal Dec [deg]
roll_nom	161.71381655603	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29050.059193075	Sum of GTIs [s]
livetime	28670.498783375	Livetime [s]
ontime0	29037.495061815	Sum of GTIs [s]
ontime1	29043.777122378	Sum of GTIs [s]
ontime2	29050.059193075	Sum of GTIs [s]
ontime3	29050.059193075	Sum of GTIs [s]
ontime6	29050.059193194	Sum of GTIs [s]
l2events	98260	Number of level 2 events

