

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13987 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See [axaff13987N001-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.071859107196

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	801167	Sequence number
obs_id	13987	Observation id
title	The X-ray Scaling Relations of Low-Mass Galaxy Clusters	Proposal t
observer	Dr Ben Maughan	Principal investigator
object	c11501-0830	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.32625	Observer's specified target RA [deg]
dec_targ	-8.509167	Observer's specified target Dec [deg]
ra_nom	225.32867562911	Nominal RA [deg]
dec_nom	-8.4815013471187	Nominal Dec [deg]
roll_nom	80.209061355205	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10071.859107196	Sum of GTIs [s]
livetime	9940.262853166	Livetime [s]
ontime0	10075.000077486	Sum of GTIs [s]
ontime1	10071.859107196	Sum of GTIs [s]
ontime2	10075.000077486	Sum of GTIs [s]
ontime3	10071.859107077	Sum of GTIs [s]
ontime6	10075.000077486	Sum of GTIs [s]
l2events	41626	Number of level 2 events

