

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12276 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12276N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Mike Nowak
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.053187550128

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	800995	Sequence number
obs_id	12276	Observation id
title	A 'CENTENNIAL' SAMPLE OF THE 100 X-RAY BRIGHTEST GALAXY CLUSTERS	
observer	Dr. Alexey Vikhlinin	Principal investigator
object	A2457	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	338.934583	Observer's specified target RA [deg]
dec_targ	1.463083	Observer's specified target Dec [deg]
ra_nom	338.94059124405	Nominal RA [deg]
dec_nom	1.4576264896719	Nominal Dec [deg]
roll_nom	300.4996954195	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10053.187558055	Sum of GTIs [s]
livetime	9921.8352615599	Livetime [s]
ontime0	10053.064438045	Sum of GTIs [s]
ontime1	10053.105478048	Sum of GTIs [s]
ontime2	10050.005557656	Sum of GTIs [s]
ontime3	10053.187558055	Sum of GTIs [s]
ontime6	10053.023398042	Sum of GTIs [s]
l2events	44039	Number of level 2 events

