

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12913 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

See axaff12913N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.05166781348

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.

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Joint proposal with HST.

seq_num	801050	Sequence number
obs_id	12913	Observation id
title	DLSCl J0916+2953: A New Transverse Cluster Merger	Proposal title
observer	William Dawson	Principal investigator
object	DLSCl J0916+2953	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.061	Observer's specified target RA [deg]
dec_targ	29.84	Observer's specified target Dec [deg]
ra_nom	139.05940734845	Nominal RA [deg]
dec_nom	29.894388450464	Nominal Dec [deg]
roll_nom	93.497431150165	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39051.667812049	Sum of GTIs [s]
liveltime	38557.172080122	Livetime [s]
ontime0	39051.544692039	Sum of GTIs [s]
ontime1	39045.10366112	Sum of GTIs [s]
ontime2	39048.385721803	Sum of GTIs [s]
ontime3	39051.667812049	Sum of GTIs [s]
ontime6	39045.267881453	Sum of GTIs [s]
ontime7	39051.708852053	Sum of GTIs [s]
l2events	281529	Number of level 2 events

