

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13415 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff13415N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.777226437926

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	890060	Sequence number
obs_id	13415	Observation id
title	Mapping the Spatial Distribution of the ACIS Contaminant	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	Abell 1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219	Observer's specified target RA [deg]
dec_targ	26.591	Observer's specified target Dec [deg]
ra_nom	207.32828489649	Nominal RA [deg]
dec_nom	26.662664126473	Nominal Dec [deg]
roll_nom	221.93513496988	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14777.226436555	Sum of GTIs [s]
livetime	14584.151094326	Livetime [s]
ontime0	14777.226436555	Sum of GTIs [s]
ontime1	14777.267476559	Sum of GTIs [s]
ontime2	14777.308516562	Sum of GTIs [s]
ontime3	14774.208566248	Sum of GTIs [s]
ontime6	14777.185396552	Sum of GTIs [s]
l2events	105531	Number of level 2 events

