

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13109 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff13109N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.770546263456

## 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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This observation was performed with a large SIM offset. As a result, the fid light positions are beyond normally expected ranges, but the fid light position correction has compensated for this offset.

seq_num	890049	Sequence number
obs_id	13109	Observation id
title	AO-12 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.16347703477	Nominal RA [deg]
dec_nom	26.694731328775	Nominal Dec [deg]
roll_nom	116.8575158363	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14770.546264112	Sum of GTIs [s]
livetime	14577.558203253	Livetime [s]
ontime0	14770.423153996	Sum of GTIs [s]
ontime1	14770.464184105	Sum of GTIs [s]
ontime2	14770.505224109	Sum of GTIs [s]
ontime3	14770.546264112	Sum of GTIs [s]
ontime6	14770.382104099	Sum of GTIs [s]
l2events	124166	Number of level 2 events

