

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13112 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff13112N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.774064144611

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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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star from the solution.

seq_num	890052	Sequence number
obs_id	13112	Observation id
title	AO-12 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
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	207.19382607028	Nominal RA [deg]
dec_nom	26.639732389367	Nominal Dec [deg]
roll_nom	117.25857343739	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14774.064146638	Sum of GTIs [s]
livetime	14581.030122054	Livetime [s]
ontime0	14773.941006899	Sum of GTIs [s]
ontime1	14777.123077393	Sum of GTIs [s]
ontime2	14767.74102658	Sum of GTIs [s]
ontime3	14774.064146638	Sum of GTIs [s]
ontime6	14773.899967015	Sum of GTIs [s]
l2events	160552	Number of level 2 events

