

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12903 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff12903N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	97.039300746322

## 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	801040	Sequence number
obs_id	12903	Observation id
title	Accretion Properties of Powerful AGN in Galaxy Clusters	Proposal t
observer	Dr. Brian McNamara	Principal investigator
object	Zw 2701	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.204167	Observer's specified target RA [deg]
dec_targ	51.885	Observer's specified target Dec [deg]
ra_nom	148.17322308803	Nominal RA [deg]
dec_nom	51.893356348386	Nominal Dec [deg]
roll_nom	160.97824120274	Nominal Roll [deg]
revision	2	Processing version of data
ontime	97039.300746322	Sum of GTIs [s]
livetime	95771.410842777	Livetime [s]
ontime2	97026.736615062	Sum of GTIs [s]
ontime3	97036.15971601	Sum of GTIs [s]
ontime5	97039.300746322	Sum of GTIs [s]
ontime6	97029.877685428	Sum of GTIs [s]
ontime7	97039.300746322	Sum of GTIs [s]
l2events	1143533	Number of level 2 events

