

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12890 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See axaff12890N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.001098735273

## 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	801027	Sequence number
obs_id	12890	Observation id
title	Chandra Study of the X-ray Bright Distant Galaxy Cluster XMMU J0954+1738 at z=0.83	Proposal title
observer	Prof. Dr. Hans Boehringer	Principal investigator
object	XMMU J0954+1738	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.57125	Observer's specified target RA [deg]
dec_targ	17.634972	Observer's specified target Dec [deg]
ra_nom	148.57744706769	Nominal RA [deg]
dec_nom	17.654958741563	Nominal Dec [deg]
roll_nom	78.154747610337	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25001.09873575	Sum of GTIs [s]
livetime	24674.440975226	Livetime [s]
ontime2	24994.652575076	Sum of GTIs [s]
ontime3	24997.875625432	Sum of GTIs [s]
ontime6	24997.91670543	Sum of GTIs [s]
ontime7	25001.09873575	Sum of GTIs [s]
ontime8	25000.97561574	Sum of GTIs [s]
l2events	168296	Number of level 2 events

