

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13218 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13218N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.050065200686

## 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	801018	Sequence number
obs_id	13218	Observation id
title	A Deep Chandra Observation of the Hot Cluster around 3C 438	Propos
observer	Dr. Ralph Kraft	Principal investigator
object	3C 438 cluster	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.967917	Observer's specified target RA [deg]
dec_targ	38.008333	Observer's specified target Dec [deg]
ra_nom	328.9916117948	Nominal RA [deg]
dec_nom	37.999054446882	Nominal Dec [deg]
roll_nom	338.14203208011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	48050.065195918	Sum of GTIs [s]
livetime	47441.626338132	Livetime [s]
ontime2	48050.106235921	Sum of GTIs [s]
ontime3	48043.46010536	Sum of GTIs [s]
ontime5	48050.024155915	Sum of GTIs [s]
ontime6	48046.742145538	Sum of GTIs [s]
ontime7	48050.065195918	Sum of GTIs [s]
ontime8	48049.901035905	Sum of GTIs [s]
l2events	605027	Number of level 2 events

