

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12879 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff12879N002-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	72.959678748071

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	12879	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	
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	328.99161284186	Nominal RA [deg]
dec_nom	37.999044410394	Nominal Dec [deg]
roll_nom	338.14203462864	Nominal Roll [deg]
revision	2	Processing version of data
ontime	72959.678751767	Sum of GTIs [s]
livetime	72035.819368368	Livetime [s]
ontime2	72946.755910456	Sum of GTIs [s]
ontime3	72953.073701024	Sum of GTIs [s]
ontime5	72959.637711763	Sum of GTIs [s]
ontime6	72956.355701447	Sum of GTIs [s]
ontime7	72959.678751767	Sum of GTIs [s]
ontime8	72946.55076015	Sum of GTIs [s]
l2events	908883	Number of level 2 events

