

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12888 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12888N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	161.34952189332

## 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	801026	Sequence number
obs_id	12888	Observation id
title	A Deep {em Chandra} Study of NGC 4472 - Gas Dynamics in the Nearest Group-Cluster Merger	Proposal title
observer	Dr. Ralph Kraft	Principal investigator
object	NGC 4472	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.444583	Observer's specified target RA [deg]
dec_targ	8.000556	Observer's specified target Dec [deg]
ra_nom	187.44774804692	Nominal RA [deg]
dec_nom	8.0127168298193	Nominal Dec [deg]
roll_nom	83.078414266371	Nominal Roll [deg]
revision	2	Processing version of data
ontime	161349.52189875	Sum of GTIs [s]
livetime	159306.41709945	Livetime [s]
ontime3	161342.91667819	Sum of GTIs [s]
ontime4	161343.08078766	Sum of GTIs [s]
ontime5	161349.48085874	Sum of GTIs [s]
ontime6	161342.95773858	Sum of GTIs [s]
ontime7	161349.52189875	Sum of GTIs [s]
ontime8	161336.39346707	Sum of GTIs [s]
l2events	2235617	Number of level 2 events

