

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12863 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff12863N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.009455080092

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	702496	Sequence number
obs_id	12863	Observation id
title	Chandra Survey of Hard X-ray Selected Merging AGN Hosts	Proposal t
observer	Dr. Richard Mushotzky	Principal investigator
object	Mrk 0739E	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.1225	Observer's specified target RA [deg]
dec_targ	21.596111	Observer's specified target Dec [deg]
ra_nom	174.12172980351	Nominal RA [deg]
dec_nom	21.591310286654	Nominal Dec [deg]
roll_nom	229.33401677134	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13009.455080211	Sum of GTIs [s]
livetime	11798.889062408	Livetime [s]
ontime7	13009.455080211	Sum of GTIs [s]
l2events	18446	Number of level 2 events

