

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12837 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See axaff12837N002-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	4.7551999823451

## 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	702470	Sequence number
obs_id	12837	Observation id
title	Chandra observations of the faintest hard X-ray sources in the SIX survey	Proposal title
observer	Dr Eugenio Bottacini	Principal investigator
object	SIX-3	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.305417	Observer's specified target RA [deg]
dec_targ	-14.673389	Observer's specified target Dec [deg]
ra_nom	205.30602089503	Nominal RA [deg]
dec_nom	-14.665326902159	Nominal Dec [deg]
roll_nom	69.005089061332	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4755.1999823451	Sum of GTIs [s]
livetime	4694.986776931	Livetime [s]
ontime0	4755.0810638666	Sum of GTIs [s]
ontime1	4751.881193161	Sum of GTIs [s]
ontime2	4755.1631438732	Sum of GTIs [s]
ontime3	4755.1999823451	Sum of GTIs [s]
ontime6	4755.1999823451	Sum of GTIs [s]
ontime7	4755.1999823451	Sum of GTIs [s]
l2events	35543	Number of level 2 events

