

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12950 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12950N002-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	91.040800700188

## 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	600921	Sequence number
obs_id	12950	Observation id
title	A hot X-ray tail from a transforming galaxy in A3627	Proposal titl
observer	Dr. Ming Sun	Principal investigator
object	ESO 137-002	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	243.413667	Observer's specified target RA [deg]
dec_targ	-60.8695	Observer's specified target Dec [deg]
ra_nom	243.405122012	Nominal RA [deg]
dec_nom	-60.86700602225	Nominal Dec [deg]
roll_nom	117.41271725575	Nominal Roll [deg]
revision	2	Processing version of data
ontime	91040.800700188	Sum of GTIs [s]
livetime	89851.285615777	Livetime [s]
ontime2	91028.236808836	Sum of GTIs [s]
ontime3	91031.377769232	Sum of GTIs [s]
ontime6	91034.518779576	Sum of GTIs [s]
ontime7	91040.800700188	Sum of GTIs [s]
ontime8	91034.519008577	Sum of GTIs [s]
l2events	1211228	Number of level 2 events

