

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12962 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff12962N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6146718193889

## 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	600930	Sequence number
obs_id	12962	Observation id
title	X-rays from Isolated Elliptical Galaxies	Proposal title
observer	Dr. DAVID BUOTE	Principal investigator
object	ESO182-007	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.205833	Observer's specified target RA [deg]
dec_targ	-57.230528	Observer's specified target Dec [deg]
ra_nom	274.19782966381	Nominal RA [deg]
dec_nom	-57.22851153392	Nominal Dec [deg]
roll_nom	122.66558947084	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7614.6718221307	Sum of GTIs [s]
livetime	7518.250262514	Livetime [s]
ontime2	7614.712862134	Sum of GTIs [s]
ontime3	7611.3077318668	Sum of GTIs [s]
ontime5	7614.6307821274	Sum of GTIs [s]
ontime6	7611.3487817645	Sum of GTIs [s]
ontime7	7614.6718221307	Sum of GTIs [s]
ontime8	7614.5076621175	Sum of GTIs [s]
l2events	88737	Number of level 2 events

