

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12618 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See [axaff12618N002-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	25.049599906743

## 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	501451	Sequence number
obs_id	12618	Observation id
title	Jet-breaks in short GRBs	Proposal title
observer	Dr. Eleonora Troja	Principal investigator
object	GRB110402A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.402667	Observer's specified target RA [deg]
dec_targ	61.252694	Observer's specified target Dec [deg]
ra_nom	197.3941912365	Nominal RA [deg]
dec_nom	61.250064313536	Nominal Dec [deg]
roll_nom	181.15556152954	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25049.599906743	Sum of GTIs [s]
livetime	24732.406789665	Livetime [s]
ontime2	25049.599906743	Sum of GTIs [s]
ontime3	25046.358896315	Sum of GTIs [s]
ontime5	25049.599906743	Sum of GTIs [s]
ontime6	25046.358876407	Sum of GTIs [s]
ontime7	25049.599906743	Sum of GTIs [s]
ontime8	25043.117845714	Sum of GTIs [s]
l2events	253309	Number of level 2 events

