

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12698 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See [axaff12698N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.053486447811

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	501525	Sequence number
obs_id	12698	Observation id
title	SEARCH FOR JET BREAKS IN LONG GRB X-RAY AFTERGLOWS	Proposal title
observer	Prof. David Burrows	Principal investigator
object	GRB 101219B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.23064	Observer's specified target RA [deg]
dec_targ	-34.56688	Observer's specified target Dec [deg]
ra_nom	12.224765550667	Nominal RA [deg]
dec_nom	-34.566940160357	Nominal Dec [deg]
roll_nom	149.12530260544	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30053.486447215	Sum of GTIs [s]
liveltime	29672.931105783	Livetime [s]
ontime2	30053.527487218	Sum of GTIs [s]
ontime3	30053.363327205	Sum of GTIs [s]
ontime5	30053.445407212	Sum of GTIs [s]
ontime6	30053.404367208	Sum of GTIs [s]
ontime7	30053.486447215	Sum of GTIs [s]
ontime8	30053.322287202	Sum of GTIs [s]
l2events	281721	Number of level 2 events

