

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12693 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See [axaff12693N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	129.13784279835

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	501522	Sequence number
obs_id	12693	Observation id
title	Radioactivity, Particle Acceleration, and Supernova Ejecta in the Youngest Galactic SNR G1.9+0.3	Proposal title
observer	Dr. Kazimierz Borkowski	Principal investigator
object	G1.9+0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.189167	Observer's specified target RA [deg]
dec_targ	-27.168889	Observer's specified target Dec [deg]
ra_nom	267.18723045485	Nominal RA [deg]
dec_nom	-27.164358068569	Nominal Dec [deg]
roll_nom	79.155746496042	Nominal Roll [deg]
revision	2	Processing version of data
ontime	129137.84279734	Sum of GTIs [s]
livetime	127502.62167437	Livetime [s]
ontime2	129128.16065651	Sum of GTIs [s]
ontime3	129127.99650657	Sum of GTIs [s]
ontime5	129137.80175734	Sum of GTIs [s]
ontime6	129134.51965696	Sum of GTIs [s]
ontime7	129137.84279734	Sum of GTIs [s]
ontime8	129131.19653684	Sum of GTIs [s]
l2events	1327032	Number of level 2 events

