

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12690 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12690N002-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	48.787192703962

## 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	12690	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	&#160
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	267.18722741563	Nominal RA [deg]
dec_nom	-27.164363609366	Nominal Dec [deg]
roll_nom	79.155744647251	Nominal Roll [deg]
revision	2	Processing version of data
ontime	48787.192704797	Sum of GTIs [s]
livetime	48169.419894648	Livetime [s]
ontime2	48780.717737675	Sum of GTIs [s]
ontime3	48783.828554571	Sum of GTIs [s]
ontime5	48787.151664793	Sum of GTIs [s]
ontime6	48783.869584441	Sum of GTIs [s]
ontime7	48787.192704797	Sum of GTIs [s]
ontime8	48787.028544784	Sum of GTIs [s]
l2events	499346	Number of level 2 events

