

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12404 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

See [axaff12404N002-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	87.713097676396

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	300288	Sequence number
obs_id	12404	Observation id
title	X-RAY IMAGING OF NOVA SHELLS	Proposal title
observer	Dr. Jennifer Sokoloski	Principal investigator
object	RS Oph	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.555	Observer's specified target RA [deg]
dec_targ	-6.707889	Observer's specified target Dec [deg]
ra_nom	267.55065771657	Nominal RA [deg]
dec_nom	-6.7056749797089	Nominal Dec [deg]
roll_nom	121.15612089384	Nominal Roll [deg]
revision	2	Processing version of data
ontime	87713.097676396	Sum of GTIs [s]
livetime	83887.813385995	Livetime [s]
ontime5	87713.097676396	Sum of GTIs [s]
ontime7	87713.097676396	Sum of GTIs [s]
l2events	200323	Number of level 2 events

