

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12403 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

See axaff12403N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	157.77539582038

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	12403	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	267.55066025169	Nominal RA [deg]
dec_nom	-6.7056732120496	Nominal Dec [deg]
roll_nom	121.156124139	Nominal Roll [deg]
revision	2	Processing version of data
ontime	157775.39582038	Sum of GTIs [s]
liveltime	150894.60197052	Livetime [s]
ontime5	157775.39582038	Sum of GTIs [s]
ontime7	157775.39582038	Sum of GTIs [s]
l2events	360077	Number of level 2 events

