

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12491 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See [axaff12491N002-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	3.241454955101

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	401232	Sequence number
obs_id	12491	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J100227.0-710444	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.6125	Observer's specified target RA [deg]
dec_targ	-71.078889	Observer's specified target Dec [deg]
ra_nom	150.4820313959	Nominal RA [deg]
dec_nom	-71.135740121029	Nominal Dec [deg]
roll_nom	270.00739576417	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3241.4549542665	Sum of GTIs [s]
livetime	3199.1029589646	Livetime [s]
ontime3	3241.3318342566	Sum of GTIs [s]
ontime5	3241.4139142632	Sum of GTIs [s]
ontime6	3241.3728742599	Sum of GTIs [s]
ontime7	3241.4549542665	Sum of GTIs [s]
ontime8	3241.2907942533	Sum of GTIs [s]
l2events	33224	Number of level 2 events

