

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12492 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

See [axaff12492N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.3374000179768

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	401233	Sequence number
obs_id	12492	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J044549.6-572618	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	71.456667	Observer's specified target RA [deg]
dec_targ	-57.438333	Observer's specified target Dec [deg]
ra_nom	71.391432599812	Nominal RA [deg]
dec_nom	-57.499919045528	Nominal Dec [deg]
roll_nom	276.95629039818	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2337.4000179768	Sum of GTIs [s]
livetime	2306.860165973	Livetime [s]
ontime3	2337.3916520476	Sum of GTIs [s]
ontime5	2337.4000179768	Sum of GTIs [s]
ontime6	2337.4000179768	Sum of GTIs [s]
ontime7	2337.4000179768	Sum of GTIs [s]
ontime8	2337.3506120443	Sum of GTIs [s]
l2events	26472	Number of level 2 events

