

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12477 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12477N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.038500007987

## 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	401218	Sequence number
obs_id	12477	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J101952.4-140727	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.968333	Observer's specified target RA [deg]
dec_targ	-14.124167	Observer's specified target Dec [deg]
ra_nom	154.95814754452	Nominal RA [deg]
dec_nom	-14.193947205762	Nominal Dec [deg]
roll_nom	298.47841535946	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1038.500007987	Sum of GTIs [s]
livetime	1024.9312408501	Livetime [s]
ontime3	1038.4742555022	Sum of GTIs [s]
ontime5	1038.500007987	Sum of GTIs [s]
ontime6	1038.500007987	Sum of GTIs [s]
ontime7	1038.500007987	Sum of GTIs [s]
ontime8	1038.4332154989	Sum of GTIs [s]
l2events	11401	Number of level 2 events

