

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12486 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff12486N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7435000211

## 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	401227	Sequence number
obs_id	12486	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J115606.7+051414	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.027917	Observer's specified target RA [deg]
dec_targ	5.237222	Observer's specified target Dec [deg]
ra_nom	178.96245695853	Nominal RA [deg]
dec_nom	5.2096483085141	Nominal Dec [deg]
roll_nom	239.58339406362	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2743.5000211	Sum of GTIs [s]
livetime	2707.654173589	Livetime [s]
ontime3	2743.5000211	Sum of GTIs [s]
ontime5	2743.5000211	Sum of GTIs [s]
ontime6	2743.5000211	Sum of GTIs [s]
ontime7	2743.5000211	Sum of GTIs [s]
ontime8	2743.5000211	Sum of GTIs [s]
l2events	28973	Number of level 2 events

