

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12485 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff12485N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2395000249147

## 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	401226	Sequence number
obs_id	12485	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J132138.7+511745	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.41125	Observer's specified target RA [deg]
dec_targ	51.295833	Observer's specified target Dec [deg]
ra_nom	200.31077378352	Nominal RA [deg]
dec_nom	51.328319769505	Nominal Dec [deg]
roll_nom	189.28112921692	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3239.5000249147	Sum of GTIs [s]
livetime	3197.173572204	Livetime [s]
ontime3	3239.5000249147	Sum of GTIs [s]
ontime5	3239.5000249147	Sum of GTIs [s]
ontime6	3239.5000249147	Sum of GTIs [s]
ontime7	3239.5000249147	Sum of GTIs [s]
ontime8	3239.5000249147	Sum of GTIs [s]
l2events	33613	Number of level 2 events

