## V&V Summary Report L2 ASCDS Version: 8.4.3

Observation 12493 - L2 Version 2 Chandra X-Ray Center

L2 Processing Date: Feb 9 2012

See axaff12493N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.6399000126123

## 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.

	T	
seq_num	401234	Sequence number
obs_id	12493	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J081952.4-131924	Source name
dtycycle	0	<b>%</b> #160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	124.968333	Observer's specified target RA [deg]
dec_targ	-13.323333	Observer's specified target Dec [deg]
ra_nom	124.91091294076	Nominal RA [deg]
dec_nom	-13.367029349342	Nominal Dec [deg]
roll_nom	254.44597665524	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1639.9000126123	Sum of GTIs [s]
livetime	1618.4735116707	Livetime [s]
ontime3	1639.9000126123	Sum of GTIs [s]
ontime5	1639.9000126123	Sum of GTIs [s]
ontime6	1639.9000126123	Sum of GTIs [s]
ontime7	1639.9000126123	Sum of GTIs [s]
ontime8	1639.9000126123	Sum of GTIs [s]
12events	16355	Number of level 2 events

