

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12489 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See [axaff12489N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5376000118256

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	401230	Sequence number
obs_id	12489	Observation id
title	The Nearest and Brightest Quiescent Low Mass X-ray Binaries	Propos
observer	Prof. Robert Rutledge	Principal investigator
object	1RXS J221030.3-300546	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.62625	Observer's specified target RA [deg]
dec_targ	-30.096111	Observer's specified target Dec [deg]
ra_nom	332.65223526197	Nominal RA [deg]
dec_nom	-30.02888462588	Nominal Dec [deg]
roll_nom	107.97606541428	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1537.6000118256	Sum of GTIs [s]
livetime	1517.5101357064	Livetime [s]
ontime3	1537.6000118256	Sum of GTIs [s]
ontime5	1537.6000118256	Sum of GTIs [s]
ontime6	1537.6000118256	Sum of GTIs [s]
ontime7	1537.6000118256	Sum of GTIs [s]
ontime8	1537.6000118256	Sum of GTIs [s]
l2events	15967	Number of level 2 events

