

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13419 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

See [axaff13419N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0434236934781

## 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	501563	Sequence number
obs_id	13419	Observation id
title	Confirmation of a New Pulsar Wind Nebula	Proposal title
observer	Dr. Jon Miller	Principal investigator
object	New PWN Candidate	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.4625	Observer's specified target RA [deg]
dec_targ	-63.565	Observer's specified target Dec [deg]
ra_nom	200.47176203914	Nominal RA [deg]
dec_nom	-63.567466261195	Nominal Dec [deg]
roll_nom	297.89319021035	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5043.4236938357	Sum of GTIs [s]
livetime	4977.5276503613	Livetime [s]
ontime2	5043.2595338225	Sum of GTIs [s]
ontime3	5037.059653163	Sum of GTIs [s]
ontime6	5043.3826538324	Sum of GTIs [s]
ontime7	5043.4236938357	Sum of GTIs [s]
ontime8	5043.3005738258	Sum of GTIs [s]
l2events	40148	Number of level 2 events

