

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12369 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See axaff12369N002-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.049845021486

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	200703	Sequence number
obs_id	12369	Observation id
title	X-rays from Planetary Nebulae: Unveiling Binarity, Magnetic Fields, and Wind Collisions	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	A66 33	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	144.787917	Observer's specified target RA [deg]
dec_targ	-2.808889	Observer's specified target Dec [deg]
ra_nom	144.78927068184	Nominal RA [deg]
dec_nom	-2.8042245649743	Nominal Dec [deg]
roll_nom	42.189667192389	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30049.845021486	Sum of GTIs [s]
livetime	29669.33578998	Livetime [s]
ontime2	30046.645011246	Sum of GTIs [s]
ontime3	30049.721901476	Sum of GTIs [s]
ontime5	30049.803981483	Sum of GTIs [s]
ontime6	30046.521891117	Sum of GTIs [s]
ontime7	30049.845021486	Sum of GTIs [s]
ontime8	30049.680861473	Sum of GTIs [s]
l2events	351647	Number of level 2 events

