

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12380 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12380N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.631999889672

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	200714	Sequence number
obs_id	12380	Observation id
title	X-rays from Planetary Nebulae: Unveiling Binarity, Magnetic Fields, and Wind Collisions	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	NGC 3242	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.192083	Observer's specified target RA [deg]
dec_targ	-18.642389	Observer's specified target Dec [deg]
ra_nom	156.19689638184	Nominal RA [deg]
dec_nom	-18.640702823185	Nominal Dec [deg]
roll_nom	348.66820094574	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29631.999889672	Sum of GTIs [s]
livetime	29256.781664821	Livetime [s]
ontime2	29631.999889672	Sum of GTIs [s]
ontime3	29631.999889672	Sum of GTIs [s]
ontime5	29631.999889672	Sum of GTIs [s]
ontime6	29628.758839369	Sum of GTIs [s]
ontime7	29631.999889672	Sum of GTIs [s]
ontime8	29628.758839369	Sum of GTIs [s]
l2events	349069	Number of level 2 events

