

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12675 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See axaff12675N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.064757813156

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.

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Roll constraint met.

seq_num	501508	Sequence number
obs_id	12675	Observation id
title	The Pulsar Wind Nebula in DEM L241	Proposal title
observer	Frederick Seward	Principal investigator
object	DEM L241	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.0	Observer's specified target RA [deg]
dec_targ	-67.585833	Observer's specified target Dec [deg]
ra_nom	84.024196445842	Nominal RA [deg]
dec_nom	-67.594567283404	Nominal Dec [deg]
roll_nom	305.17901358725	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24064.757811308	Sum of GTIs [s]
livetime	23750.334034286	Livetime [s]
ontime2	24064.593651295	Sum of GTIs [s]
ontime3	24061.534760952	Sum of GTIs [s]
ontime6	24064.716771305	Sum of GTIs [s]
ontime7	24064.757811308	Sum of GTIs [s]
ontime8	24064.634691298	Sum of GTIs [s]
l2events	112767	Number of level 2 events

