

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13223 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13223N002-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	33.829535740435

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	300284	Sequence number
obs_id	13223	Observation id
title	The Extended X-ray Emission from the Shell of Recurrent Nova T Pyxidis	Proposal title
observer	Assoc. Prof. Dr. Solen Balman	Principal investigator
object	T Pyxidis	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.172917	Observer's specified target RA [deg]
dec_targ	-32.379722	Observer's specified target Dec [deg]
ra_nom	136.17779698732	Nominal RA [deg]
dec_nom	-32.377159458749	Nominal Dec [deg]
roll_nom	0.15922414512775	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33829.535739481	Sum of GTIs [s]
livetime	33387.527950103	Livetime [s]
ontime5	33829.494699478	Sum of GTIs [s]
ontime6	33826.312659204	Sum of GTIs [s]
ontime7	33829.535739481	Sum of GTIs [s]
ontime8	33829.412619472	Sum of GTIs [s]
l2events	350810	Number of level 2 events

