

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13224 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13224N002-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	31.266600240469

## 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	13224	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	&#160
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	136.17779796427	Nominal RA [deg]
dec_nom	-32.377164936276	Nominal Dec [deg]
roll_nom	0.15924083481654	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31266.600240469	Sum of GTIs [s]
livetime	30858.079090191	Livetime [s]
ontime5	31266.600240469	Sum of GTIs [s]
ontime6	31266.600240469	Sum of GTIs [s]
ontime7	31266.600240469	Sum of GTIs [s]
ontime8	31266.600240469	Sum of GTIs [s]
l2events	320704	Number of level 2 events

