

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13736 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See [axaff13736N001-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	109.00530083835

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	501569	Sequence number
obs_id	13736	Observation id
title	Spatially-Resolved Spectroscopy of the IC443 Pulsar Wind Nebula and Environs	Proposal title
observer	Dr. Martin Weisskopf	Principal investigator
object	IC443	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	94.270833	Observer's specified target RA [deg]
dec_targ	22.3575	Observer's specified target Dec [deg]
ra_nom	94.273593468094	Nominal RA [deg]
dec_nom	22.35588054009	Nominal Dec [deg]
roll_nom	270.15558895908	Nominal Roll [deg]
revision	1	Processing version of data
ontime	109005.30083835	Sum of GTIs [s]
livetime	107581.06633436	Livetime [s]
ontime2	108995.87773734	Sum of GTIs [s]
ontime3	108995.87771749	Sum of GTIs [s]
ontime6	108986.45460659	Sum of GTIs [s]
ontime7	109005.30083835	Sum of GTIs [s]
ontime8	108992.73667729	Sum of GTIs [s]
l2events	1499663	Number of level 2 events

