V&V Summary Report L2 ASCDS Version : 8.4.3

Observation 14385 - L2 Version 1 Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See axaff14385N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.067084171295

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	14385	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
dtycycle	0	
cycle	Р	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	94.273593456799	Nominal RA [deg]
dec_nom	22.355875562659	Nominal Dec [deg]
roll_nom	270.15558096397	Nominal Roll [deg]
revision	1	Processing version of data
ontime	45067.084171295	Sum of GTIs [s]
livetime	44478.249538693	Livetime [s]
ontime2	45054.355949938	Sum of GTIs [s]
ontime3	45063.861060917	Sum of GTIs [s]
ontime6	45057.620080292	Sum of GTIs [s]
ontime7	45067.084171295	Sum of GTIs [s]
ontime8	45063.820031047	Sum of GTIs [s]
12events	622408	Number of level 2 events

