

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12557 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

See [axaff12557N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.049259283662

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	501390	Sequence number
obs_id	12557	Observation id
title	PSR J1856+0245: Understanding the Connection Between Young Pulsars and TeV gamma-ray Sources	Proposal title
observer	Dr Slavko Bogdanov	Principal investigator
object	PSR J1856+0245	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	284.211667	Observer's specified target RA [deg]
dec_targ	2.7645	Observer's specified target Dec [deg]
ra_nom	284.21082993303	Nominal RA [deg]
dec_nom	2.772545975231	Nominal Dec [deg]
roll_nom	78.629515209185	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39049.259277821	Sum of GTIs [s]
livetime	38554.794044204	Livetime [s]
ontime0	39052.377128124	Sum of GTIs [s]
ontime1	39039.454286873	Sum of GTIs [s]
ontime2	39052.459208131	Sum of GTIs [s]
ontime3	39049.259277821	Sum of GTIs [s]
ontime6	39052.582328141	Sum of GTIs [s]
ontime7	39052.541288137	Sum of GTIs [s]
l2events	287737	Number of level 2 events

