V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12466 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12466N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.048897272944

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	401207	Sequence number
obs_id	12466	Observation id
title	First X-ray Observations of Four New Fermi-Associated Black-Widow Pulsars	Proposal title
observer	Prof. Maura McLaughlin	Principal investigator
object	J2215+41	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	333.885312	Observer's specified target RA [deg]
dec_targ	51.593436	Observer's specified target Dec [deg]
ra_nom	333.88078065761	Nominal RA [deg]
dec_nom	51.597423219293	Nominal Dec [deg]
roll_nom	93.524050888977	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17048.897274196	Sum of GTIs [s]
livetime	16833.013871297	Livetime [s]
ontime4	17048.938314199	Sum of GTIs [s]
ontime5	17048.856234193	Sum of GTIs [s]
ontime6	17048.81519419	Sum of GTIs [s]
ontime7	17048.897274196	Sum of GTIs [s]
ontime8	17048.774154186	Sum of GTIs [s]
ontime9	17048.733114183	Sum of GTIs [s]
l2events	188520	Number of level 2 events