

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13096 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See [axaff13096N002-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	28.064399522007

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	790226	Sequence number
obs_id	13096	Observation id
title	AO-12 Calibration Observations of Mkn421	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS 2155-304	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.716667	Observer's specified target RA [deg]
dec_targ	-30.225556	Observer's specified target Dec [deg]
ra_nom	329.7243699651	Nominal RA [deg]
dec_nom	-30.245514617454	Nominal Dec [deg]
roll_nom	115.58342834603	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28064.399522007	Sum of GTIs [s]
livetime	26510.147448727	Livetime [s]
ontime4	28064.399522007	Sum of GTIs [s]
ontime5	28064.399522007	Sum of GTIs [s]
ontime6	28064.399522007	Sum of GTIs [s]
ontime7	28064.399522007	Sum of GTIs [s]
ontime8	28064.399522007	Sum of GTIs [s]
ontime9	28064.399522007	Sum of GTIs [s]
l2events	138520	Number of level 2 events

