

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12717 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12717N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.063899828553

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 EDSEER 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	702353	Sequence number
obs_id	12717	Observation id
title	First X-ray observations of Low-Power Compact Steep Spectrum Sources	
observer	Dr Magdalena Kunert-Bajraszewska	Principal investigator
object	0907+049	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.462917	Observer's specified target RA [deg]
dec_targ	4.739472	Observer's specified target Dec [deg]
ra_nom	137.4635575775	Nominal RA [deg]
dec_nom	4.7443102266121	Nominal Dec [deg]
roll_nom	50.287007354928	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10063.899828553	Sum of GTIs [s]
livetime	9506.5446939264	Livetime [s]
ontime2	10063.899828553	Sum of GTIs [s]
ontime3	10063.899828553	Sum of GTIs [s]
ontime6	10063.899828553	Sum of GTIs [s]
ontime7	10063.899828553	Sum of GTIs [s]
ontime8	10063.899828553	Sum of GTIs [s]
l2events	9386	Number of level 2 events

