

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12976 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12976N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	102.3806007874

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	600944	Sequence number
obs_id	12976	Observation id
title	CONSTRAINING THE TRANSIENT BLACK HOLE (BH) LOW-MASS X-RAY BINARY (LMXB) POPULATION	Proposal title
observer	Dr Giuseppina Fabbiano	Principal investigator
object	NGC 4649	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.9175	Observer's specified target RA [deg]
dec_targ	11.552472	Observer's specified target Dec [deg]
ra_nom	190.91487064125	Nominal RA [deg]
dec_nom	11.556575157934	Nominal Dec [deg]
roll_nom	90.448715768688	Nominal Roll [deg]
revision	2	Processing version of data
ontime	102380.6007874	Sum of GTIs [s]
livetime	101042.92286661	Livetime [s]
ontime3	102355.472655	Sum of GTIs [s]
ontime6	102368.03672624	Sum of GTIs [s]
ontime7	102380.6007874	Sum of GTIs [s]
ontime8	102374.31874681	Sum of GTIs [s]
l2events	740339	Number of level 2 events

