

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12970 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff12970N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9665776255131

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.

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Joint proposal with HST.

seq_num	600938	Sequence number
obs_id	12970	Observation id
title	Monitoring M31 for BHXNe	Proposal title
observer	Dr Michael Garcia	Principal investigator
object	M31	Source name
dtcycle	0	
cycle	P	events are from which exps? P[primary] S[econdar
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.683228436654	Nominal RA [deg]
dec_nom	41.277048861807	Nominal Dec [deg]
roll_nom	82.698843808231	Nominal Roll [deg]
revision	2	Processing version of data
ontime	941.37424004078	Sum of GTIs [s]
livetime	148.19501281025	Livetime [s]
ontime0	941.37424004078	Sum of GTIs [s]
ontime1	941.37424004078	Sum of GTIs [s]
ontime2	937.56288003922	Sum of GTIs [s]
ontime3	941.37424004078	Sum of GTIs [s]
ontime6	941.37424004078	Sum of GTIs [s]
ontime7	941.37424004078	Sum of GTIs [s]
l2events	2243	Number of level 2 events

