

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12437 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See axaff12437N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0524244150519

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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The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star from the solution.

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Joint Proposal: HST

seq_num	401178	Sequence number
obs_id	12437	Observation id
title	Optical Counterpart of the ULX in NGC 247	Proposal title
observer	Prof. Hua Feng	Principal investigator
object	NGC 247 ULX	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.740833	Observer's specified target RA [deg]
dec_targ	-20.760444	Observer's specified target Dec [deg]
ra_nom	11.741822190622	Nominal RA [deg]
dec_nom	-20.782852422522	Nominal Dec [deg]
roll_nom	276.70575807148	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5052.4244176745	Sum of GTIs [s]
livetime	4988.4475774932	Livetime [s]
ontime2	5052.4654576778	Sum of GTIs [s]
ontime3	5052.3012976646	Sum of GTIs [s]
ontime5	5052.3833776712	Sum of GTIs [s]
ontime6	5052.3423376679	Sum of GTIs [s]
ontime7	5052.4244176745	Sum of GTIs [s]
ontime8	5052.2602576613	Sum of GTIs [s]
l2events	59159	Number of level 2 events

