

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12989 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See [axaff12989N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.047999813616

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	600957	Sequence number
obs_id	12989	Observation id
title	The most luminous ULXs	Proposal title
observer	Mr. Andrew Sutton	Principal investigator
object	2XMM J134404.1-271410	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.0175	Observer's specified target RA [deg]
dec_targ	-27.236361	Observer's specified target Dec [deg]
ra_nom	206.01860230738	Nominal RA [deg]
dec_nom	-27.231621139856	Nominal Dec [deg]
roll_nom	46.552721706614	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50047.999813616	Sum of GTIs [s]
livetime	49414.261904689	Livetime [s]
ontime2	50047.999813616	Sum of GTIs [s]
ontime3	50047.999813616	Sum of GTIs [s]
ontime5	50047.999813616	Sum of GTIs [s]
ontime6	50047.999813616	Sum of GTIs [s]
ontime7	50047.999813616	Sum of GTIs [s]
ontime8	50047.999813616	Sum of GTIs [s]
l2events	589665	Number of level 2 events

