

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12707 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See [axaff12707N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0978000204563

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	702343	Sequence number
obs_id	12707	Observation id
title	The Nature of Weak-Line Quasars at Low Redshift	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1530+2310	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.68375	Observer's specified target RA [deg]
dec_targ	23.170417	Observer's specified target Dec [deg]
ra_nom	232.67854600368	Nominal RA [deg]
dec_nom	23.1713648792	Nominal Dec [deg]
roll_nom	135.17609425931	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3097.8000204563	Sum of GTIs [s]
livetime	3028.7446426049	Livetime [s]
ontime2	3097.8000204563	Sum of GTIs [s]
ontime3	3097.8000204563	Sum of GTIs [s]
ontime5	3097.8000204563	Sum of GTIs [s]
ontime6	3097.8000204563	Sum of GTIs [s]
ontime7	3097.8000204563	Sum of GTIs [s]
ontime8	3097.764795661	Sum of GTIs [s]
l2events	17847	Number of level 2 events

