

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 11549 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff11549N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.03782354635

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	702135	Sequence number
obs_id	11549	Observation id
title	The Size of Quasar Non-Thermal/X-ray Emission Regions	Proposal tit
observer	Dr. Christopher Kochanek	Principal investigator
object	SDSS1004+4112	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.1425	Observer's specified target RA [deg]
dec_targ	41.212222	Observer's specified target Dec [deg]
ra_nom	151.13600192914	Nominal RA [deg]
dec_nom	41.212944901864	Nominal Dec [deg]
roll_nom	139.70453166885	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6037.8235403299	Sum of GTIs [s]
livetime	5958.9349307945	Livetime [s]
ontime2	6037.6593803167	Sum of GTIs [s]
ontime3	6037.7414603233	Sum of GTIs [s]
ontime6	6037.7825003266	Sum of GTIs [s]
ontime7	6037.8235403299	Sum of GTIs [s]
ontime8	6034.5593599677	Sum of GTIs [s]
l2events	41277	Number of level 2 events

