

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 11545 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff11545N002-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	26.064499556065

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	702131	Sequence number
obs_id	11545	Observation id
title	The Size of Quasar Non-Thermal/X-ray Emission Regions	Proposal tit
observer	Dr. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96515278814	Nominal RA [deg]
dec_nom	-12.527755599605	Nominal Dec [deg]
roll_nom	57.070087292818	Nominal Roll [deg]
revision	2	Processing version of data
ontime	26064.499556065	Sum of GTIs [s]
livetime	24621.005194382	Livetime [s]
ontime2	26064.360592067	Sum of GTIs [s]
ontime3	26064.442672074	Sum of GTIs [s]
ontime6	26064.483712077	Sum of GTIs [s]
ontime7	26064.499556065	Sum of GTIs [s]
ontime8	26064.401632071	Sum of GTIs [s]
l2events	35013	Number of level 2 events

