

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12957 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See [axaff12957N002-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	7.5519999719262

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	600925	Sequence number
obs_id	12957	Observation id
title	Building a Chandra sample of Black Hole Masses	Proposal title
observer	Dr Philip Humphrey	Principal investigator
object	NGC 4751	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.211667	Observer's specified target RA [deg]
dec_targ	-42.659917	Observer's specified target Dec [deg]
ra_nom	193.21796842896	Nominal RA [deg]
dec_nom	-42.658626635984	Nominal Dec [deg]
roll_nom	343.712099198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7551.9999719262	Sum of GTIs [s]
livetime	7456.3720010132	Livetime [s]
ontime2	7551.9999719262	Sum of GTIs [s]
ontime3	7551.9999719262	Sum of GTIs [s]
ontime5	7551.9999719262	Sum of GTIs [s]
ontime6	7551.9999719262	Sum of GTIs [s]
ontime7	7551.9999719262	Sum of GTIs [s]
ontime8	7551.9999719262	Sum of GTIs [s]
l2events	81096	Number of level 2 events

