

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13820 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13820N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	186.64670162004

## 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	600996	Sequence number
obs_id	13820	Observation id
title	A Chandra Legacy Project to Resolve the Accretion Flow of Gas Captured by a Supermassive Black Hole	Proposal title
observer	Dr. Jimmy Irwin	Principal investigator
object	NGC3115	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.308333	Observer's specified target RA [deg]
dec_targ	-7.718583	Observer's specified target Dec [deg]
ra_nom	151.30830613529	Nominal RA [deg]
dec_nom	-7.7155591011866	Nominal Dec [deg]
roll_nom	33.056624273502	Nominal Roll [deg]
revision	1	Processing version of data
ontime	186646.70162004	Sum of GTIs [s]
livetime	184208.02505607	Livetime [s]
ontime1	186624.55006766	Sum of GTIs [s]
ontime5	186646.66058004	Sum of GTIs [s]
ontime6	186630.91428822	Sum of GTIs [s]
ontime7	186646.70162004	Sum of GTIs [s]
ontime8	186624.59109741	Sum of GTIs [s]
l2events	1725183	Number of level 2 events

