

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13822 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 3 2012

See [axaff13822N003_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	162.33678912407

Comments

The last 6-7 ksec of this observation were acquired in a high radiation space environment. It does not appear that the count rate is affected during this period, but the user may want to determine the background and count rate separately for this last segment of the data to be sure it is consistent with the remainder of the observation.

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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	13822	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	
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	151.3079264153	Nominal RA [deg]
dec_nom	-7.7155873900073	Nominal Dec [deg]
roll_nom	40.156574756633	Nominal Roll [deg]
revision	3	Processing version of data
ontime	162336.78912407	Sum of GTIs [s]
livetime	160215.73946356	Livetime [s]
ontime1	162163.86734504	Sum of GTIs [s]
ontime5	162336.74808407	Sum of GTIs [s]
ontime6	161988.05083728	Sum of GTIs [s]
ontime7	162336.78912407	Sum of GTIs [s]
ontime8	162110.51060855	Sum of GTIs [s]
l2events	1720943	Number of level 2 events

