V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 13819 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff13819N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	76.554500588775

Comments

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The high radiation environment near the end of this observation caused a
large
increase in the count rate about a factor of 2) during the last about 7
ksec of this observation. The investigator should analyze this last ~7
ksec of data
separately from the rest of the observation and decide whether to
include this last piece of the data in the analysis. Note that most of
the time
during the high radiation period of ~7 ksec at the end of the
observation
is included in the GTI.
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Due to a high radiation environment, the instruments were safed and the
observation terminated early. This observation has been reprocessed so
that the aspect solution correctly handles the instrument safing and
maneuver activites at the end 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
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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	13819	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
dtycycle	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	151.30830457666	Nominal RA [deg]
dec_nom	-7.7155490631047	Nominal Dec [deg]
roll_nom	33.056624271279	Nominal Roll [deg]
revision	2	Processing version of data
ontime	76554.500588775	Sum of GTIs [s]
livetime	75554.259679979	Livetime [s]
ontime1	75844.623548329	Sum of GTIs [s]
ontime5	76554.500588775	Sum of GTIs [s]
ontime6	75882.316193283	Sum of GTIs [s]
ontime7	76554.500588775	Sum of GTIs [s]
ontime8	75904.303552926	Sum of GTIs [s]
l2events	786271	Number of level 2 events