V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12934 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12934N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.052

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.
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ACIS ANOMALY
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The chip I0, using FEP 5, recorded no events during the observation. The
bias file for this obsid is nominal and recorded events appropriately.
Therefore, only 5 chips recorded events for this observation. Subsequent
tests of I0 and FEP 5 could not repeat this problem. It is considered a

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one-time problem.
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Roll constraint met.
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seq_num	900966	Sequence number
obs_id	12934	Observation id
title	Filling the 15 micron Gap: Search for Compton-thick Accretion with Chandra and AKARI in the NEP Deep Field	Proposal title
observer	Dr. Mirko Krumpe	Principal investigator
object	AKARI-NEP-Deep Field	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.14583	Observer's specified target RA [deg]
dec_targ	66.675833	Observer's specified target Dec [deg]
ra_nom	269.14314126179	Nominal RA [deg]
dec_nom	66.68388705974	Nominal Dec [deg]
roll_nom	80.111182662815	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15052.799943984	Sum of GTIs [s]
livetime	14862.192327385	Livetime [s]
ontime0	15052.799943984	Sum of GTIs [s]
ontime1	15052.799943984	Sum of GTIs [s]
ontime2	15049.55894357	Sum of GTIs [s]
ontime3	15052.799943984	Sum of GTIs [s]
ontime6	15052.799943984	Sum of GTIs [s]
ontime7	15052.799943984	Sum of GTIs [s]
l2events	96955	Number of level 2 events