

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 134 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff00134N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.756

## Comments

ACIS chip response to soft X-rays.

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The guide star in slot 6 was not acquired for this observation. The aspect solution is not expected to be degraded by removing one guide star from the solution.===

The focal plane temperature is approximately -100 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T\_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an

seq_num	590002	Sequence number
obs_id	134	Observation id
title	ACIS CHIP RESPONSE TO LINES WITH E=0.6-1.5 KEV	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=100, Offsets=-2,2,0 Line R]	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA
dec_targ	-72.032028	Observer's specified target Dec
ra_nom	16.218344518922	Nominal RA
dec_nom	-72.030879026391	Nominal Dec
roll_nom	44.488146391192	Nominal Roll
revision	3	Processing version of data
ontime	9753.6000090837	Sum of GTIs [s]
livetime	9630.0940528559	Livetime [s]
ontime0	9753.6000090837	Sum of GTIs [s]
ontime1	9753.6000090837	Sum of GTIs [s]
ontime2	9753.6000090837	Sum of GTIs [s]
ontime3	9753.6000090837	Sum of GTIs [s]
ontime6	9753.6000090837	Sum of GTIs [s]
ontime7	9753.6000090837	Sum of GTIs [s]
l2events	243472	Number of level 2 events

