

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1231 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01231N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.763

Comments

A high radiation environment existed during this observation, resulting in several periods of enhanced count rates, primarily during the first 2.5 ksec of the observation.

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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 effect.

seq_num	580181	Sequence number
obs_id	1231	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 S3, T=100, Offsets=-1,0,0 Std Ca]	Source name
dtcycle	0	
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	16.062075283103	Nominal RA
dec_nom	-72.017537749854	Nominal Dec
roll_nom	48.058942776939	Nominal Roll
revision	3	Processing version of data
ontime	9760.0000090897	Sum of GTIs [s]
livetime	9636.4130122082	Livetime [s]
ontime2	9760.0000090897	Sum of GTIs [s]
ontime3	9753.5181385055	Sum of GTIs [s]
ontime5	9760.0000090897	Sum of GTIs [s]
ontime6	9760.0000090897	Sum of GTIs [s]
ontime7	9760.0000090897	Sum of GTIs [s]
ontime8	9760.0000090897	Sum of GTIs [s]
l2events	308853	Number of level 2 events

