

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 209 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00209N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.824

Comments

Off-axis ACIS effective area measurement using Cas A on chip I2. Only I2 chip has data.

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Pileup throughout most of observation.

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Charge time for this ObsId remains at previous value of 1.824 ksec, although with the current processing the charge time would have been 1.815 ksec.

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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

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	590077	Sequence number
obs_id	209	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I2, T=100, Offsets=5,3,0 Off-ax Eff A]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA
dec_targ	58.814833	Observer's specified target Dec
ra_nom	351.03608470379	Nominal RA
dec_nom	58.849442045538	Nominal Dec
roll_nom	162.77585235373	Nominal Roll
revision	3	Processing version of data
ontime	1815.6698341891	Sum of GTIs [s]
livetime	1792.6787294835	Livetime [s]
ontime0	2350.5097906068	Sum of GTIs [s]
ontime1	2350.4687506109	Sum of GTIs [s]
ontime2	1815.6698341891	Sum of GTIs [s]
ontime3	2350.3866706118	Sum of GTIs [s]
ontime6	2350.3456306085	Sum of GTIs [s]
ontime7	2350.5508306101	Sum of GTIs [s]
l2events	402282	Number of level 2 events

