

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 207 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00207N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.871

## Comments

Off-axis ACIS effective area measurement using Cas A on chip I0. Only I0 chip was read out.

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The fid light in slot 2 was excluded from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.

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Pileup throughout most 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

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	590075	Sequence number
obs_id	207	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	DR. CXC CALIBRATION	Principal investigator
object	CAS A [Chip I0, T	Source name
dtcycle	0	&#160
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	350.95437760617	Nominal RA
dec_nom	58.714128506589	Nominal Dec
roll_nom	162.76757069852	Nominal Roll
revision	4	Processing version of data
ontime	870.7159819603	Sum of GTIs [s]
livetime	859.6904519145	Livetime [s]
ontime0	870.7159819603	Sum of GTIs [s]
ontime1	984.10845965147	Sum of GTIs [s]
ontime2	984.06741964817	Sum of GTIs [s]
ontime3	984.02637965232	Sum of GTIs [s]
ontime6	983.98533964902	Sum of GTIs [s]
ontime7	984.19053965062	Sum of GTIs [s]
l2events	183973	Number of level 2 events

