

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 210 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00210N001\\_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	3.614

## Comments

Off-axis ACIS effective area measurement using Cas A on chip I3. Only I3 chip contains data.

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Charge time for this ObsId remains at original value of 3.614 ksec, although with the current processing the charge time would have been 3.674 ksec.

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Pileup throughout most of observation.

Window constraint met.

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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

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.

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seq_num	590078	Sequence number
obs_id	210	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I3, T=100, Offsets=-2,2,0]	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	350.79323550918	Nominal RA
dec_nom	58.869926001049	Nominal Dec
roll_nom	164.51319415565	Nominal Roll
revision	2	Processing version of data
ontime	3673.7523500621	Sum of GTIs [s]
livetime	3627.2330857376	Livetime [s]
ontime0	5030.4000046849	Sum of GTIs [s]
ontime1	5030.4000046849	Sum of GTIs [s]
ontime2	5030.4000046849	Sum of GTIs [s]
ontime3	3673.7523500621	Sum of GTIs [s]
ontime6	5030.4000046849	Sum of GTIs [s]
ontime7	5030.4000046849	Sum of GTIs [s]
l2events	839633	Number of level 2 events

