

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 208 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00208N001_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	1.884

Comments

Off-axis ACIS effective area measurement with Cas A on chip I1. Only I1 chip is read out.

===

Window preference met.

==

Slot 1 was not utilized in this observation.

===

Pileup throughout most of the observation.

===

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	590076	Sequence number
obs_id	208	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I1, T=100, Offsets=-3,-5,0]	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	350.70905664171	Nominal RA
dec_nom	58.753789304128	Nominal Dec
roll_nom	163.07272102357	Nominal Roll
revision	3	Processing version of data
ontime	1884.3071295395	Sum of GTIs [s]
livetime	1860.4468980718	Livetime [s]
ontime0	2351.0460013151	Sum of GTIs [s]
ontime1	1884.3071295395	Sum of GTIs [s]
ontime2	2350.963921316	Sum of GTIs [s]
ontime3	2350.9228813201	Sum of GTIs [s]
ontime6	2350.8818413168	Sum of GTIs [s]
ontime7	2351.0870413184	Sum of GTIs [s]
l2events	404575	Number of level 2 events

