

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 211 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff00211N001_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	1.529

Comments

Off-axis ACIS effective area measurement of Cas A on chip S0. Only chip S0 has data.

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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	590079	Sequence number
obs_id	211	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S0, T=100, Offsets=23,0,0 Eff Area]	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	351.55191343615	Nominal RA
dec_nom	58.67394438158	Nominal Dec
roll_nom	158.18344730537	Nominal Roll
revision	3	Processing version of data
ontime	1529.0569885373	Sum of GTIs [s]
livetime	1509.6951482609	Livetime [s]
ontime4	1529.0569885373	Sum of GTIs [s]
ontime5	1529.0980285332	Sum of GTIs [s]
ontime6	1528.9338685349	Sum of GTIs [s]
ontime7	1529.1390685365	Sum of GTIs [s]
ontime8	1529.015948534	Sum of GTIs [s]
ontime9	1528.9749085382	Sum of GTIs [s]
l2events	214488	Number of level 2 events

