

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 212 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff00212N001_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	2.035

Comments

Off-axis ACIS effective area measurement using Cas A on chip S1.
Only chip S1 has data.

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Charge time for this ObsId remains at previous value of 2.035 ksec,
although with the current processing the charge time would have been
2.021 ksec.

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Pileup throughout most of 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	590080	Sequence number
obs_id	212	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S1, T=100, Offsets=15,0,0 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	351.29908357169	Nominal RA
dec_nom	58.726989126812	Nominal Dec
roll_nom	158.46930812936	Nominal Roll
revision	3	Processing version of data
ontime	2021.5567152873	Sum of GTIs [s]
livetime	1995.958546923	Livetime [s]
ontime4	1988.9547858089	Sum of GTIs [s]
ontime5	2021.5567152873	Sum of GTIs [s]
ontime6	2488.2539281845	Sum of GTIs [s]
ontime7	2848.0000026524	Sum of GTIs [s]
ontime8	2420.1940229759	Sum of GTIs [s]
ontime9	2371.5798893124	Sum of GTIs [s]
l2events	489281	Number of level 2 events

