

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 218 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff00218N001_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	1.42

Comments

Off-axis ACIS effective area measurement using Cas A on chip I3. Only events on chip I3 were telemetered.

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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 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	590086	Sequence number
obs_id	218	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=-4,5,0]	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	350.77195177823	Nominal RA
dec_nom	58.924689894777	Nominal Dec
roll_nom	164.66380083351	Nominal Roll
revision	2	Processing version of data
ontime	1415.0882071257	Sum of GTIs [s]
livetime	1397.1695081832	Livetime [s]
ontime0	1758.7528802305	Sum of GTIs [s]
ontime1	1758.7118402347	Sum of GTIs [s]
ontime2	1758.6708002314	Sum of GTIs [s]
ontime3	1415.0882071257	Sum of GTIs [s]
ontime6	1758.5887202322	Sum of GTIs [s]
ontime7	1758.7939202338	Sum of GTIs [s]
l2events	308920	Number of level 2 events

