

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 1445 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See axaff01445N001_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	1.9

Comments

Off-axis ACIS response to Cas A on chip I1. Only I1 chip read out.

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SIM dtheta discontinuity about 1 ksec into the observation, which produces an offset in the fid light positions after that time.

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Pileup throughout most of the observation.

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Charge time for this ObsId remains at previous value of 1.9 ksec, although with the current processing the charge time would have been 1.8 ksec.

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The focal plane temperature is approximately -110 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	580395	Sequence number
obs_id	1445	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=110, 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	350.99117116941	Nominal RA
dec_nom	58.745404291796	Nominal Dec
roll_nom	259.26812365592	Nominal Roll
revision	4	Processing version of data
ontime	1893.9337899908	Sum of GTIs [s]
livetime	1869.951659952	Livetime [s]
ontime0	2350.949841179	Sum of GTIs [s]
ontime1	1893.9337899908	Sum of GTIs [s]
ontime2	2350.8677611798	Sum of GTIs [s]
ontime3	2350.826721184	Sum of GTIs [s]
ontime6	2350.7856811807	Sum of GTIs [s]
ontime7	2350.9908811823	Sum of GTIs [s]
l2events	406003	Number of level 2 events

