

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 1444 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See [axaff01444N001_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	0.908

Comments

Off-axis ACIS response to Cas A on chip I0. Only I0 chip was read out.

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SIM dtheta value has a 10 arcsec jump approximately 1.6 ksec into the observation. This produces an offset in the fid light positions for the data after that time.

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Pileup in most of observation.

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Charge time for this ObsId remains at previous value of 0.908 ksec, although with the current processing the charge time would have been 0.093 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

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	580394	Sequence number
obs_id	1444	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I0, T=110, Offsets=5,-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	351.04037255227	Nominal RA
dec_nom	58.876119843153	Nominal Dec
roll_nom	259.1151122535	Nominal Roll
revision	4	Processing version of data
ontime	903.96169210225	Sum of GTIs [s]
livetime	892.51518485647	Livetime [s]
ontime0	903.96169210225	Sum of GTIs [s]
ontime1	1033.6000009626	Sum of GTIs [s]
ontime2	1033.6000009626	Sum of GTIs [s]
ontime3	1033.6000009626	Sum of GTIs [s]
ontime6	1033.6000009626	Sum of GTIs [s]
ontime7	1033.6000009626	Sum of GTIs [s]
l2events	191794	Number of level 2 events

