V&V Summary Report
L2 ASCDS Version : 8.1.1

Observation 1439 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See axaff01439N001_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	2.851

Comments

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ACIS response to Cas A on chip S5. Only S5 chip was read out.
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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.
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seq_num	580389	Sequence number
obs_id	1439	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S5, T=110, Offsets=-19,0,0]	Source name
dtycycle	0	&#160
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	350.73846970284	Nominal RA
dec_nom	58.499624480812	Nominal Dec
roll_nom	259.43923531254	Nominal Roll
revision	4	Processing version of data
ontime	2849.9281115383	Sum of GTIs [s]
livetime	2813.8406057693	Livetime [s]
ontime4	2850.0101915374	Sum of GTIs [s]
ontime5	2850.0512315333	Sum of GTIs [s]
ontime6	2849.887071535	Sum of GTIs [s]
ontime7	2850.0922715366	Sum of GTIs [s]
ontime8	2849.9691515341	Sum of GTIs [s]
ontime9	2849.9281115383	Sum of GTIs [s]
l2events	470206	Number of level 2 events