

V&V Summary Report

L2 ASCDS Version : 8.3.2

Observation 62235 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 12 2010

See [axaff62235N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.523446484223

Comments

A CCD bias map was incomplete because of data gaps in telemetry. Bias map for chip 6 was reconstructed using scaled data from a comparable bias map for another observation to fill the data gaps.

The region that was modified includes the chip coordinates (1,85),(1024,85),(1024,94),(1,94)
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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

effect.

seq_num	 	Sequence number
obs_id	62235	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	154.55600597425	Nominal RA
dec_nom	41.463695355731	Nominal Dec
roll_nom	101.83720055199	Nominal Roll
revision	4	Processing version of data
ontime	3523.446484223	Sum of GTIs [s]
livetime	3478.830483275	Livetime [s]
ontime0	1396.8868665919	Sum of GTIs [s]
ontime1	1435.7794962227	Sum of GTIs [s]
ontime2	1322.343046166	Sum of GTIs [s]
ontime3	1352.0099670216	Sum of GTIs [s]
ontime6	1526.8208276406	Sum of GTIs [s]
ontime7	3523.446484223	Sum of GTIs [s]
l2events	909879	Number of level 2 events