

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 62338 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See axaff62338N001_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	4.6839708172381

Comments

The front-end processor designated FEPO suffered from a rare problem.

As a result, the top half of the bias-map for CCD_ID I3 (the CCD associated with FEPO) was corrupted for part of the observation and

many invalid events were telemetered for this region. The standard pipeline processing tools identify the problem and remove the spurious events from the Level 2 event file during the interval in question.

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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.

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	 	Sequence number
obs_id	62338	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	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	101.30083507362	Nominal RA
dec_nom	-16.694526573556	Nominal Dec
roll_nom	72.419048580466	Nominal Roll
revision	4	Processing version of data
ontime	4683.9708172381	Sum of GTIs [s]
livetime	4624.6595584016	Livetime [s]
ontime0	1866.8377170488	Sum of GTIs [s]
ontime1	1873.3198169917	Sum of GTIs [s]
ontime2	1785.8117368221	Sum of GTIs [s]
ontime3	440.77620963752	Sum of GTIs [s]
ontime6	2006.2022976726	Sum of GTIs [s]
ontime7	4683.9708172381	Sum of GTIs [s]
l2events	1145945	Number of level 2 events