

# V&V Summary Report

## L2 ASCDS Version : 8.3.3.1

Observation 62230 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Dec 9 2010

See axaff62230N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9266503084749

## Comments

A spatial region of the original bias map for CCD = 4 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 4 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

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The focal plane temperature is approximately -110C 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.

seq_num	&#160	Sequence number
obs_id	62230	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	23.36439756032	Nominal RA
dec_nom	30.536583961017	Nominal Dec
roll_nom	288.4732928338	Nominal Roll
revision	5	Processing version of data
ontime	2926.6503084749	Sum of GTIs [s]
livetime	2889.5913000517	Livetime [s]
ontime4	1092.2291256338	Sum of GTIs [s]
ontime5	3129.6381858364	Sum of GTIs [s]
ontime6	1241.3169060722	Sum of GTIs [s]
ontime7	2926.6503084749	Sum of GTIs [s]
ontime8	1244.5579460785	Sum of GTIs [s]
ontime9	1202.4245656431	Sum of GTIs [s]
l2events	902015	Number of level 2 events