

# V&V Summary Report

## L2 ASCDS Version : 8.3.2.1

Observation 62537 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Sep 20 2010

See axaff62537N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.6709292354062

## Comments

Comments for Obi 0

The ACIS focal plane temperature is warmer than -118.7 C degrees during the interval 53902822.12 - 53911500.52 (MET s) of this observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 C during the interval 53902822.12 - 53911500.52 (MET s) of this observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated 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 (e.g., 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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A spatial exclusion window was specified for this observation. Although 6 CCD chips were active, only events from chips 6 and 7 were telemetered.

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A spatial region of the original bias map for CCD = 6 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

small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 6 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation.

seq_num	&#160	Sequence number
obs_id	62537	Observation id
title	ACIS-456789 diagnostics; pre radzone CTI	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	54.196737510907	Nominal RA
dec_nom	0.59540653427392	Nominal Dec
roll_nom	100.34056273259	Nominal Roll
revision	5	Processing version of data
ontime	8670.9292354062	Sum of GTIs [s]
livetime	8561.1327084207	Livetime [s]
ontime4	4868.0198291913	Sum of GTIs [s]
ontime5	8670.8881954029	Sum of GTIs [s]
ontime6	5591.809453778	Sum of GTIs [s]
ontime7	8670.9292354062	Sum of GTIs [s]
ontime8	5581.0341694281	Sum of GTIs [s]
ontime9	5545.3848529458	Sum of GTIs [s]
l2events	1374462	Number of level 2 events