

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 57539 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 25 2012

See [axaff57539N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1951999695301

## Comments

A spatial region of the original bias map for CCD = 9 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 = 9 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by chip coords:

(304,1), (329,1), (329,550), (304,550)

seq_num	&#160	Sequence number
obs_id	57539	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	32.023740236189	Nominal RA [deg]
dec_nom	-11.983062382557	Nominal Dec [deg]
roll_nom	3.2489934440883	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8195.1999695301	Sum of GTIs [s]
livetime	8091.4274129589	Livetime [s]
ontime4	8195.1999695301	Sum of GTIs [s]
ontime5	8195.1999695301	Sum of GTIs [s]
ontime6	8195.1999695301	Sum of GTIs [s]
ontime7	8195.1999695301	Sum of GTIs [s]
ontime8	8195.1999695301	Sum of GTIs [s]
ontime9	8195.1999695301	Sum of GTIs [s]
l2events	572311	Number of level 2 events