

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 58442 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 1 2012

See [axaff58442N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7307549180984

## 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:

(451,1), (576,1), (576,155), (451,196)

seq_num	&#160	Sequence number
obs_id	58442	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	169.20790838948	Nominal RA [deg]
dec_nom	-0.62697770847306	Nominal Dec [deg]
roll_nom	256.03867399656	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5730.7549180984	Sum of GTIs [s]
livetime	5658.1886486792	Livetime [s]
ontime4	5730.6317980886	Sum of GTIs [s]
ontime5	5730.7138780951	Sum of GTIs [s]
ontime6	5730.6728380919	Sum of GTIs [s]
ontime7	5730.7549180984	Sum of GTIs [s]
ontime8	5730.5907580853	Sum of GTIs [s]
ontime9	5730.7959581017	Sum of GTIs [s]
l2events	542745	Number of level 2 events