

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 54008 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 24 2013

See axaff54008N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4015999724865

## Comments

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 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 = 6 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:  
(707,1), (729,1), (729,613), (707,657)

seq_num	&#160	Sequence number
obs_id	54008	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	173.97396419971	Nominal RA [deg]
dec_nom	42.021099295097	Nominal Dec [deg]
roll_nom	99.689570937545	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7401.5999724865	Sum of GTIs [s]
livetime	7307.8764569264	Livetime [s]
ontime4	7401.5999724865	Sum of GTIs [s]
ontime5	7401.5999724865	Sum of GTIs [s]
ontime6	7401.5999724865	Sum of GTIs [s]
ontime7	7401.5999724865	Sum of GTIs [s]
ontime8	7401.5999724865	Sum of GTIs [s]
ontime9	7401.5999724865	Sum of GTIs [s]
l2events	228690	Number of level 2 events