

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 61792 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

See axaff61792N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.286993206203

## 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. The pixels affected by the anomaly are bounded by chip coords:

(341,1), (375,1), (375,1024), (341,1024)

seq_num	&#160	Sequence number
obs_id	61792	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	92.631848721582	Nominal RA [deg]
dec_nom	-30.591499007473	Nominal Dec [deg]
roll_nom	344.62793553289	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5286.993206203	Sum of GTIs [s]
livetime	5220.0461147809	Livetime [s]
ontime4	2186.1610612571	Sum of GTIs [s]
ontime5	5659.7046219856	Sum of GTIs [s]
ontime6	2354.6541407257	Sum of GTIs [s]
ontime7	5286.993206203	Sum of GTIs [s]
ontime8	2413.0749504864	Sum of GTIs [s]
ontime9	2279.9870909303	Sum of GTIs [s]
l2events	1349579	Number of level 2 events