

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 59375 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Apr 22 2013

See [axaff59375N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1148523524404

Comments

A spatial region of the original bias map for CCD = 3 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 = 3 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:
(727,329), (757,329), (757,740), (727,740)

seq_num	 	Sequence number
obs_id	59375	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
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	30.024031948884	Nominal RA [deg]
dec_nom	-17.978947499103	Nominal Dec [deg]
roll_nom	7.126440999716	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6114.8523524404	Sum of GTIs [s]
livetime	6037.4224100317	Livetime [s]
ontime0	6072.6785285175	Sum of GTIs [s]
ontime1	6114.7702724338	Sum of GTIs [s]
ontime2	5929.9934449196	Sum of GTIs [s]
ontime3	6046.8328558207	Sum of GTIs [s]
ontime6	6114.688192457	Sum of GTIs [s]
ontime7	6114.8523524404	Sum of GTIs [s]
l2events	793905	Number of level 2 events