

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 59655 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Apr 18 2013

See [axaff59655N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.092799969852

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:
(175,1), (199,1), (199,1024), (175,1024)

seq_num	 	Sequence number
obs_id	59655	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	230.03751021587	Nominal RA [deg]
dec_nom	-44.290079732233	Nominal Dec [deg]
roll_nom	347.47847280072	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8092.799969852	Sum of GTIs [s]
livetime	7990.3240637346	Livetime [s]
ontime0	7758.9791895449	Sum of GTIs [s]
ontime1	7914.5461933911	Sum of GTIs [s]
ontime2	7434.8812005222	Sum of GTIs [s]
ontime3	7639.062918961	Sum of GTIs [s]
ontime6	7940.4740158617	Sum of GTIs [s]
ontime7	8092.799969852	Sum of GTIs [s]
l2events	1095294	Number of level 2 events