

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 52831 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 21 2014

See [axaff52831N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.04.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9468496438265

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:
(984,1), (1022,1), (1022,1024), (984,1024)

seq_num	 	Sequence number
obs_id	52831	Observation id
title	ACIS-456789 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	22.048741523934	Nominal RA [deg]
dec_nom	62.017249292695	Nominal Dec [deg]
roll_nom	3.7989470108277	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6946.8496438265	Sum of GTIs [s]
livetime	6858.8844507457	Livetime [s]
ontime4	6946.7265238166	Sum of GTIs [s]
ontime5	6946.8086038232	Sum of GTIs [s]
ontime6	6946.7675638199	Sum of GTIs [s]
ontime7	6946.8496438265	Sum of GTIs [s]
ontime8	6946.6854838133	Sum of GTIs [s]
ontime9	6946.8906838298	Sum of GTIs [s]
l2events	178201	Number of level 2 events