

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 60581 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Mar 27 2013

See [axaff60581N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.462926821202

Comments

Spatial regions of the original bias maps for CCD = 0 and 2 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 maps for CCD = 0 and 2 have 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:

CCD 0: (229,301), (370,301), (370,533), (229,603)

CCD 2: (237,1), (293,1), (293,22), (237,55)

seq_num	 	Sequence number
obs_id	60581	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	109.96635523075	Nominal RA [deg]
dec_nom	-33.993638705631	Nominal Dec [deg]
roll_nom	134.28150430123	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8462.926821202	Sum of GTIs [s]
livetime	8355.7641460292	Livetime [s]
ontime0	5361.2843198478	Sum of GTIs [s]
ontime1	5483.8012801111	Sum of GTIs [s]
ontime2	5160.262044102	Sum of GTIs [s]
ontime3	5192.8350696564	Sum of GTIs [s]
ontime6	5636.6427026689	Sum of GTIs [s]
ontime7	8462.926821202	Sum of GTIs [s]
l2events	1259051	Number of level 2 events