

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 8590 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

See axaff08590N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.1275

## Comments

A spatial region of the original bias map for CCD = 9 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 = 9 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 sky coords:  
(331.79744, -47.28251), (331.79257, -47.28414), (331.82183, -47.32427), (331.82787, -47.32423)

seq_num	701410	Sequence number
obs_id	8590	Observation id
title	The origin of the iron line complex in the reflection-less Seyfert 1 galaxy NGC7213	Proposal title
observer	Professor Giorgio Matt	Principal investigator
object	NGC 7213	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.3175	Observer's specified target RA [deg]
dec_targ	-47.166667	Observer's specified target Dec [deg]
ra_nom	332.32123475516	Nominal RA [deg]
dec_nom	-47.162530723529	Nominal Dec [deg]
roll_nom	26.659367910764	Nominal Roll [deg]
revision	3	Processing version of data
ontime	35127.5	Sum of GTIs [s]
livetime	34560.160406762	Livetime [s]
ontime4	35124.95898962	Sum of GTIs [s]
ontime5	35127.5	Sum of GTIs [s]
ontime6	35127.5	Sum of GTIs [s]
ontime7	35127.5	Sum of GTIs [s]
ontime8	35124.958979785	Sum of GTIs [s]
ontime9	35127.5	Sum of GTIs [s]
l2events	464555	Number of level 2 events

