

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 10413 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 25 2012

See axaff10413N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	76.6411775

## Comments

A spatial region of the original bias map for CCD = 1 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 = 1 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:  
(6.23510, -12.40596), (6.22768, -12.41569), (6.23796, -12.42321), (6.24281, -12.41160)

seq_num	800774	Sequence number
obs_id	10413	Observation id
title	Mapping Dark Matter in the Merging Cluster MACSJ0025.4	Proposal ti
observer	Dr Roger Morris	Principal investigator
object	MACSJ0025.4-1222	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.374167	Observer's specified target RA [deg]
dec_targ	-12.379722	Observer's specified target Dec [deg]
ra_nom	6.4133187362811	Nominal RA [deg]
dec_nom	-12.405493391462	Nominal Dec [deg]
roll_nom	323.21708368733	Nominal Roll [deg]
revision	3	Processing version of data
ontime	76640.620079875	Sum of GTIs [s]
livetime	75639.253956528	Livetime [s]
ontime0	76646.779000401	Sum of GTIs [s]
ontime1	76637.397029281	Sum of GTIs [s]
ontime2	76640.579119384	Sum of GTIs [s]
ontime3	76640.620079875	Sum of GTIs [s]
ontime6	76637.315009415	Sum of GTIs [s]
l2events	278849	Number of level 2 events

