

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 13138 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jul 5 2012

See axaff13138N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.043218573689

## Comments

A spatial region of the original bias map for CCD = 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 map for CCD = 2 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:  
(239.47813,66.26590), (239.48556,66.26889), (239.24036,66.36764), (239.23293,66.36465)

seq_num	801052	Sequence number
obs_id	13138	Observation id
title	Revealing the ICM transport processes with the bow shock, upstream shock and turbulent wake in Abell 2146	Proposal title
observer	Dr Helen Russell	Principal investigator
object	Abell 2146	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.04239	Observer's specified target RA [deg]
dec_targ	66.357434	Observer's specified target Dec [deg]
ra_nom	239.12039214065	Nominal RA [deg]
dec_nom	66.323630905779	Nominal Dec [deg]
roll_nom	315.13724649391	Nominal Roll [deg]
revision	3	Processing version of data
ontime	50043.218573749	Sum of GTIs [s]
livetime	49389.367081801	Livetime [s]
ontime0	50046.359374702	Sum of GTIs [s]
ontime1	50046.359494209	Sum of GTIs [s]
ontime2	50043.218553901	Sum of GTIs [s]
ontime3	50043.218573749	Sum of GTIs [s]
ontime6	50049.500384927	Sum of GTIs [s]
l2events	205630	Number of level 2 events

