

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 4820 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Mar 29 2013

See axaff04820N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	137.447

## Comments

A spatial region of the original bias map for CCD = 4 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 = 4 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:  
(204.25133,24.77778), (204.25191,24.77386), (204.32908,24.78333), (204.32849,24.78725)

seq_num	700902	Sequence number
obs_id	4820	Observation id
title	A Chandra HETGS & HST view of the Warm and Lukewarm absorbers in IRAS 13349+2438	Proposal title
observer	Prof. Julia Lee	Principal investigator
object	IRAS 13349+2438	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.327917	Observer's specified target RA [deg]
dec_targ	24.384167	Observer's specified target Dec [deg]
ra_nom	204.32993922541	Nominal RA [deg]
dec_nom	24.38293282869	Nominal Dec [deg]
roll_nom	97.651279761579	Nominal Roll [deg]
revision	4	Processing version of data
ontime	137447.5	Sum of GTIs [s]
livetime	135227.60365834	Livetime [s]
ontime4	137447.5	Sum of GTIs [s]
ontime5	137447.5	Sum of GTIs [s]
ontime6	137442.41800958	Sum of GTIs [s]
ontime7	137447.5	Sum of GTIs [s]
ontime8	137444.95899984	Sum of GTIs [s]
ontime9	137447.5	Sum of GTIs [s]
l2events	1136295	Number of level 2 events

