## V&V Summary Report L2 ASCDS Version : 8.4.3

## Observation 12283 - L2 Version 3 Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff12283N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.055527376235

## Comments

Spatial regions of the original bias maps for CCDs = 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 the sky coords: CCD 0: (209.66316,28.10701),(209.66149,28.09058),(209.68011,28.08914),(209.66316,28.10701)

CCD 2: (209.71334,27.97923),(209.71260,27.97163),(209.76611,27.96747),(209.7582 4,27.97575)

seq_num	801002	Sequence number
obs_id	12283	Observation id
title	A 'CENTENNIAL' SAMPLE OF THE 100 X-RAY BRIGHTEST GALAXY CLUSTERS	
observer	Dr. Alexey Vikhlinin	Principal investigator
object	A1831	Source name
dtycycle	0	
cycle	Р	events from which exps? Prim/Second/Both
ra_targ	209.820417	Observer's specified target RA [deg]
dec_targ	27.980778	Observer's specified target Dec [deg]
ra_nom	209.81143478556	Nominal RA [deg]
dec_nom	27.979013180843	Nominal Dec [deg]
roll_nom	174.94053076826	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10055.527378321	Sum of GTIs [s]
livetime	9924.1445103514	Livetime [s]
ontime0	10055.404258311	Sum of GTIs [s]
ontime1	10055.445298314	Sum of GTIs [s]
ontime2	10055.486338317	Sum of GTIs [s]
ontime3	10055.527378321	Sum of GTIs [s]
ontime6	10055.363218307	Sum of GTIs [s]
l2events	43662	Number of level 2 events

