

# V&V Summary Report

## L2 ASCDS Version : 10.1.1

Observation 15205 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 8 2014

See axaff15205N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.974142848015

## Comments

Joint proposal with Suzaku. A spatial region of the original bias map for CCD = 6 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 = 6 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: (201.27620,-31.75666), (201.27463,-31.76307), (201.33544,-31.77385), (201.32947,-31.76610).

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	901035	Sequence number
obs_id	15205	Observation id
title	Mapping Galaxy Groups and the Hot WHIM in Shapley Supercluster Filaments with Chandra and Suzaku	Proposal title
observer	Dr Marie Machacek	Principal investigator
object	Shapley B	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.62982	Observer's specified target RA [deg]
dec_targ	-31.86978	Observer's specified target Dec [deg]
ra_nom	201.62888631068	Nominal RA [deg]
dec_nom	-31.861728600782	Nominal Dec [deg]
roll_nom	78.345629177005	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19974.142848015	Sum of GTIs [s]
livetime	19721.218224288	Livetime [s]
ontime0	19974.019728005	Sum of GTIs [s]
ontime1	19974.060768008	Sum of GTIs [s]
ontime2	19974.101808012	Sum of GTIs [s]
ontime3	19974.142848015	Sum of GTIs [s]
ontime6	19974.224928021	Sum of GTIs [s]
ontime7	19974.183888018	Sum of GTIs [s]
l2events	104957	Number of level 2 events

