

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 15204 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 2 2014

See axaff15204N003\_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	19.970342206419

## Comments

Joint Proposal: Suzaku

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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:

(201.77163, -31.58465), (201.76431, -31.56951), (201.70920, -31.58884), (201.70540, -31.60788)

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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	901034	Sequence number
obs_id	15204	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 A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.45	Observer's specified target RA [deg]
dec_targ	-31.594722	Observer's specified target Dec [deg]
ra_nom	201.45606588926	Nominal RA [deg]
dec_nom	-31.600956494322	Nominal Dec [deg]
roll_nom	292.17902169249	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19970.342206419	Sum of GTIs [s]
livetime	19717.465708704	Livetime [s]
ontime0	19970.219086409	Sum of GTIs [s]
ontime1	19967.019116223	Sum of GTIs [s]
ontime2	19970.301166415	Sum of GTIs [s]
ontime3	19970.342206419	Sum of GTIs [s]
ontime6	19970.424286425	Sum of GTIs [s]
ontime7	19970.383246422	Sum of GTIs [s]
l2events	116914	Number of level 2 events

