

# V&V Summary Report

## L2 ASCDS Version : 10.1.1

Observation 16021 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 8 2014

See axaff16021N003\_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	6.9631999741197

## 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:

(131.68328,52.69953), (131.67888,52.69897), (131.72573,52.56242), (131.73012,52.56298)

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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	601109	Sequence number
obs_id	16021	Observation id
title	X-Rays from Lyman Break Analog	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	SDSS J084602.23+523159.1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	131.509167	Observer's specified target RA [deg]
dec_targ	52.533083	Observer's specified target Dec [deg]
ra_nom	131.50451532463	Nominal RA [deg]
dec_nom	52.53417804787	Nominal Dec [deg]
roll_nom	101.92359342755	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6963.1999741197	Sum of GTIs [s]
livetime	6875.0277433117	Livetime [s]
ontime2	6963.1999741197	Sum of GTIs [s]
ontime3	6963.1999741197	Sum of GTIs [s]
ontime5	6963.1999741197	Sum of GTIs [s]
ontime6	6963.1999741197	Sum of GTIs [s]
ontime7	6963.1999741197	Sum of GTIs [s]
ontime8	6963.1999741197	Sum of GTIs [s]
l2events	57958	Number of level 2 events

