

V&V Summary Report

L2 ASCDS Version : 10.9.2

Observation 21569 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 4 2020

See axaff21569N003_VV001_vvref2.pdf for the full report

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.11.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.073859294176

Comments

Joint proposal with HST.

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A spatial region of the original bias map for CCD = 1 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 = 1 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: (213.52062,54.85420), (213.50855,54.85043), (213.62331,54.72766), (213.63535,54.73143).

seq_num	801847	Sequence number
obs_id	21569	Observation id
title	Characterizing the most X-ray luminous galaxy clusters at z=0.5-1	
observer	Harald Ebeling	Principal investigator
object	eMACSJ1414.7+5446	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.694583	Observer's specified target RA [deg]
dec_targ	54.783333	Observer's specified target Dec [deg]
ra_nom	213.71121849488	Nominal RA [deg]
dec_nom	54.759572980599	Nominal Dec [deg]
roll_nom	298.1678071219	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33073.859294295	Sum of GTIs [s]
livetime	32641.724973994	Livetime [s]
ontime0	33067.577363491	Sum of GTIs [s]
ontime1	33077.000254512	Sum of GTIs [s]
ontime2	33077.000254512	Sum of GTIs [s]
ontime3	33073.859294295	Sum of GTIs [s]
l2events	100935	Number of level 2 events

