

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 21079 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See axaff21079N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.073818114042

## Comments

Two optional chips were dropped.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.

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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: (181.53133,-8.69318), (181.52894,-8.69252), (181.51036,-8.75746), (181.51050,-8.76599).

seq_num	801754	Sequence number
obs_id	21079	Observation id
title	Measuring the mass distribution with unprecedented accuracy: the CLASH cluster MACSJ1206	Proposal title
observer	Stefano Ettori	Principal investigator
object	MACS J1206-0847	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.550417	Observer's specified target RA [deg]
dec_targ	-8.800917	Observer's specified target Dec [deg]
ra_nom	181.5063770269	Nominal RA [deg]
dec_nom	-8.8268988406498	Nominal Dec [deg]
roll_nom	254.19746333835	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33073.818114042	Sum of GTIs [s]
livetime	32641.684331792	Livetime [s]
ontime0	33080.100254536	Sum of GTIs [s]
ontime1	33080.100254536	Sum of GTIs [s]
ontime2	33080.100254536	Sum of GTIs [s]
ontime3	33073.818114042	Sum of GTIs [s]
l2events	102864	Number of level 2 events

