

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 59509 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Apr 18 2013

See [axaff59509N004_VV001_vvref2.pdf](#) for the full report

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|----------------------------|-----------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2013.04.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 6.9119999742508 |

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 chip coords:
(170,1), (251,1), (251,1024), (170,1024)

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|----------|---|---|
| seq_num | | Sequence number |
| obs_id | 59509 | Observation id |
| title | ACIS-012367 diagnostics | Proposal title |
| observer | CHANDRA engineering request/realtime commanding | Principal investig |
| object | | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 0.0 | Observer's specified target RA [deg] |
| dec_targ | 0.0 | Observer's specified target Dec [deg] |
| ra_nom | 359.97617938549 | Nominal RA [deg] |
| dec_nom | 0.015863312009124 | Nominal Dec [deg] |
| roll_nom | 113.48449661252 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 6911.9999742508 | Sum of GTIs [s] |
| livetime | 6824.4760686701 | Livetime [s] |
| ontime0 | 6818.0113561451 | Sum of GTIs [s] |
| ontime1 | 6911.9999742508 | Sum of GTIs [s] |
| ontime2 | 6808.2884650528 | Sum of GTIs [s] |
| ontime3 | 6860.144269228 | Sum of GTIs [s] |
| ontime6 | 6911.9999742508 | Sum of GTIs [s] |
| ontime7 | 6911.9999742508 | Sum of GTIs [s] |
| l2events | 917578 | Number of level 2 events |