

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 55221 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 21 2012

See [axaff55221N003_VV001_vvref2.pdf](#) for the full report

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|----------------------------|-----------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.02.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.2815999692082 |

Comments

A spatial region of the original bias map for CCD = 7 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 = 7 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:
(663,350), (715,350), (715,512), (663,512)

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|----------|---|---|
| seq_num | | Sequence number |
| obs_id | 55221 | Observation id |
| title | ACIS-456789 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 | 344.47145803018 | Nominal RA [deg] |
| dec_nom | 15.495562025905 | Nominal Dec [deg] |
| roll_nom | 157.44751938946 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 8281.5999692082 | Sum of GTIs [s] |
| livetime | 8176.7333638173 | Livetime [s] |
| ontime4 | 8281.5999692082 | Sum of GTIs [s] |
| ontime5 | 8281.5999692082 | Sum of GTIs [s] |
| ontime6 | 8281.5999692082 | Sum of GTIs [s] |
| ontime7 | 8281.5999692082 | Sum of GTIs [s] |
| ontime8 | 8281.5999692082 | Sum of GTIs [s] |
| ontime9 | 8281.5999692082 | Sum of GTIs [s] |
| l2events | 326194 | Number of level 2 events |