

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 12238 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 5 2012

See axaff12238N003_VV001_vvref2.pdf for the full report

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|----------------------------|-----------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.07.16 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 63.833768147767 |

Comments

Spatial regions of the original bias maps for CCD = 1 and 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 maps for CCD = 1 and 2 have 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:

CCD_1:

(13.59891,-37.78396), (13.60233,-37.79110), (13.66933,-37.77117), (13.67042,-37.76268)

CCD_2:

(13.85381,-37.52045), (13.85087,-37.51433), (13.79090,-37.53234), (13.79384,-37.53845)

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|----------|---------------------------------|---|
| seq_num | 600919 | Sequence number |
| obs_id | 12238 | Observation id |
| title | The Chandra Local Volume Survey | Proposal title |
| observer | Dr. Benjamin Williams | Principal investigator |
| object | NGC 300 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 13.713 | Observer's specified target RA [deg] |
| dec_targ | -37.65 | Observer's specified target Dec [deg] |
| ra_nom | 13.721051875855 | Nominal RA [deg] |
| dec_nom | -37.645024506658 | Nominal Dec [deg] |
| roll_nom | 20.666787454479 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 63833.768143237 | Sum of GTIs [s] |
| livetime | 62999.732968709 | Livetime [s] |
| ontime0 | 63833.644993424 | Sum of GTIs [s] |
| ontime1 | 63821.122001946 | Sum of GTIs [s] |
| ontime2 | 63830.586072862 | Sum of GTIs [s] |
| ontime3 | 63833.768143237 | Sum of GTIs [s] |
| ontime7 | 63840.091213942 | Sum of GTIs [s] |
| l2events | 418119 | Number of level 2 events |

