

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 14014 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 28 2012

See axaff14014N002-VV001_vvref2.pdf for the full report

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|----------------------------|-----------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.03.29 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 26.966399899602 |

Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:
(197.59112,21.87700), (197.59551,21.87450), (197.61661,21.90636), (197.60953,21.90479)

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The guide star in slot 6 was not used in the aspect solution due to poor data quality.

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|----------|--|---|
| seq_num | 801194 | Sequence number |
| obs_id | 14014 | Observation id |
| title | Understanding the connection between radio halos and cluster mergers | |
| observer | Dr Rossella Cassano | Principal investigator |
| object | Z5768 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 197.88125 | Observer's specified target RA [deg] |
| dec_targ | 22.001389 | Observer's specified target Dec [deg] |
| ra_nom | 197.85294177638 | Nominal RA [deg] |
| dec_nom | 22.09835339975 | Nominal Dec [deg] |
| roll_nom | 148.28429986944 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 26966.399899602 | Sum of GTIs [s] |
| livetime | 26624.935106857 | Livetime [s] |
| ontime0 | 26966.399899602 | Sum of GTIs [s] |
| ontime1 | 26966.399899602 | Sum of GTIs [s] |
| ontime2 | 26959.917788863 | Sum of GTIs [s] |
| ontime3 | 26966.399899602 | Sum of GTIs [s] |
| ontime6 | 26963.158859253 | Sum of GTIs [s] |
| ontime7 | 26966.399899602 | Sum of GTIs [s] |
| l2events | 169287 | Number of level 2 events |

