

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13504 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 19 2012

See axaff13504N002_VV001_vvref2.pdf for the full report

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| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.01.23 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 17.273020670533 |

Comments

A spatial region of the original bias map for CCD = 0 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 = 0 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:
(338.09216, -53.82346), (338.09722, -53.82441), (338.11257, -53.79568), (338.10751, -53.79473)

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|----------|---|---|
| seq_num | 801145 | Sequence number |
| obs_id | 13504 | Observation id |
| title | Cosmology and Cluster Evolution from the 80 Most Massive Clusters in 2000 deg ² from the South Pole Telescope Survey | Proposal title |
| observer | Dr Bradford Benson | Principal investigator |
| object | SPT-CLJ2233-5339 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 338.326 | Observer's specified target RA [deg] |
| dec_targ | -53.6604 | Observer's specified target Dec [deg] |
| ra_nom | 338.30222948417 | Nominal RA [deg] |
| dec_nom | -53.713007689606 | Nominal Dec [deg] |
| roll_nom | 252.66201240586 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 17273.020670533 | Sum of GTIs [s] |
| lifetime | 17047.33593926 | Lifetime [s] |
| ontime0 | 17276.038510859 | Sum of GTIs [s] |
| ontime1 | 17276.079550862 | Sum of GTIs [s] |
| ontime2 | 17276.120561004 | Sum of GTIs [s] |
| ontime3 | 17273.020670533 | Sum of GTIs [s] |
| ontime6 | 17275.997470856 | Sum of GTIs [s] |
| l2events | 54802 | Number of level 2 events |

