

V&V Summary Report

L2 ASCDS Version : 10.7.1

Observation 21138 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 3 2019

See [axaff21138N002_VV001_vvref2.pdf](#) for the full report

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|----------------------------|-----------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2019.05.06 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 67.480565240979 |

Comments

A spatial region of the original bias map for CCD = 3 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 = 3 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: (61.81920,62.38162), (61.81524,62.37859), (61.97772,62.33307), (61.98169,62.33610).

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|----------|--|---|
| seq_num | 201208 | Sequence number |
| obs_id | 21138 | Observation id |
| title | Filling The Missing Link In Stellar Magnetic Activity Evolution (GTO part) | Proposal title |
| observer | Dr. Gordon Garmire | Principal investigator |
| object | NGC 1502 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 61.958333 | Observer's specified target RA [deg] |
| dec_targ | 62.331667 | Observer's specified target Dec [deg] |
| ra_nom | 61.973449080755 | Nominal RA [deg] |
| dec_nom | 62.331331257999 | Nominal Dec [deg] |
| roll_nom | 328.80163283845 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 67480.565240979 | Sum of GTIs [s] |
| livetime | 66598.881977636 | Livetime [s] |
| ontime0 | 67471.019190192 | Sum of GTIs [s] |
| ontime1 | 67480.483160973 | Sum of GTIs [s] |
| ontime2 | 67471.101250529 | Sum of GTIs [s] |
| ontime3 | 67480.565240979 | Sum of GTIs [s] |
| l2events | 185016 | Number of level 2 events |

