

V&V Summary Report

L2 ASCDS Version : 10.4.2.1

Observation 17457 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 13 2015

See axaff17457N002-VV001_vvref2.pdf for the full report

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|----------------------------|-----------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2015.11.13 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 19.628736417174 |

Comments

Roll preference met.

A spatial region of the original bias map for CCD = 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 map for CCD = 2 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:
(65.29321, -50.45701), (65.29147, -50.45393), (65.20270, -50.47408),
(65.20646, -50.47670).

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|----------|--|---|
| seq_num | 502484 | Sequence number |
| obs_id | 17457 | Observation id |
| title | PRECISE PROPER MOTION MEASUREMENT OF THE ISOLATED NEUTRON STAR RX J0420.0-5022 | Proposal title |
| observer | Dr. Peter Predehl | Principal investigator |
| object | RX J0420.0-5022 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 65.007917 | Observer's specified target RA [deg] |
| dec_targ | -50.380028 | Observer's specified target Dec [deg] |
| ra_nom | 65.012340929724 | Nominal RA [deg] |
| dec_nom | -50.375371900054 | Nominal Dec [deg] |
| roll_nom | 19.44961962869 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 19628.736417174 | Sum of GTIs [s] |
| livetime | 19380.185537654 | Livetime [s] |
| ontime2 | 19628.777457118 | Sum of GTIs [s] |
| ontime3 | 19628.613297105 | Sum of GTIs [s] |
| ontime5 | 19628.695377111 | Sum of GTIs [s] |
| ontime6 | 19628.654337168 | Sum of GTIs [s] |
| ontime7 | 19628.736417174 | Sum of GTIs [s] |
| ontime8 | 19628.572257161 | Sum of GTIs [s] |
| l2events | 171610 | Number of level 2 events |

