

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 19377 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 28 2017

See axaff19377N002_VV001_vvref2.pdf for the full report

| | |
|----------------------------|-----------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2017.08.28 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 10.068800077558 |

Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.

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: (102.81198,60.60109), (102.83006,60.59550), (102.98148,60.71358), (102.96336,60.71919).

| | | |
|----------|---|---|
| seq_num | 601334 | Sequence number |
| obs_id | 19377 | Observation id |
| title | A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample | Proposal title |
| observer | Ian McHardy | Principal investigator |
| object | NGC 2273 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 102.53625 | Observer's specified target RA [deg] |
| dec_targ | 60.845694 | Observer's specified target Dec [deg] |
| ra_nom | 102.53295217519 | Nominal RA [deg] |
| dec_nom | 60.851984434114 | Nominal Dec [deg] |
| roll_nom | 58.15955989689 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 10068.800077558 | Sum of GTIs [s] |
| livetime | 9937.2437920015 | Livetime [s] |
| ontime2 | 10068.800077558 | Sum of GTIs [s] |
| ontime3 | 10065.659117341 | Sum of GTIs [s] |
| ontime6 | 10065.6590873 | Sum of GTIs [s] |
| ontime7 | 10068.800077558 | Sum of GTIs [s] |
| l2events | 59245 | Number of level 2 events |

