

V&V Summary Report

L2 ASCDS Version : 8.3.3.1

Observation 1482 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Dec 7 2010

See axaff01482N003_VV001_vvref2.pdf for the full report

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| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2010.12.09 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 18.873 |

Comments

An image of Jupiter was inadvertently superposed on the bias map for chip 7. The region of that bias map containing the anomalous values due to the image of Jupiter was replaced with scaled values from another bias map for this chip taken near in time. The affected pixels are bounded by sky coords: (24.75466, 8.71222), (24.74069, 8.74416), (24.66718, 8.71275), (24.68115, 8.68080).

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The focal plane temperature is approximately -110 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front- and back-illuminated chips are affected. However, a T_GAIN correction has been applied to the BI chip (ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

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|----------|---|---|
| seq_num | 100000 | Sequence number |
| obs_id | 1482 | Observation id |
| title | ACIS OBSERVATION OF JUPITER AND THE GALILEAN SATELLITES | Proposal t |
| observer | Prof. Gordon Garmire | Principal investigator |
| object | JUPITER | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 24.70746 | Observer's specified target RA |
| dec_targ | 8.72046 | Observer's specified target Dec |
| ra_nom | 24.721696049714 | Nominal RA |
| dec_nom | 8.6926104532803 | Nominal Dec |
| roll_nom | 293.346416338 | Nominal Roll |
| revision | 6 | Processing version of data |
| ontime | 18870.381476097 | Sum of GTIs [s] |
| livetime | 18631.433343467 | Livetime [s] |
| ontime0 | 18867.099465877 | Sum of GTIs [s] |
| ontime1 | 18870.299396098 | Sum of GTIs [s] |
| ontime2 | 18870.258336179 | Sum of GTIs [s] |
| ontime3 | 18863.73539567 | Sum of GTIs [s] |
| ontime7 | 18870.381476097 | Sum of GTIs [s] |
| l2events | 127672 | Number of level 2 events |

