# V&V Summary Report
# L2 ASCDS Version : 8.3.3.1

Observation 62347 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Dec 6 2010

See axaff62347N003_VV001_vvref2.pdf for the full report

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|---|---|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2010.12.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3.9281309394613 |

# Comments

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A spatial region of the original bias map for CCD = 9 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 = 9 has
been reconstructed for this processing to remove this anomaly using
scaled data from a comparable bias map from another observation.
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The focal plane temperature is approximately -110C during this
observation.
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 chips

(ACIS-5 and ACIS-7) data included here.
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| seq_num | &#160 | Sequence number |
|---------|-------|-----------------|
| obs_id | 62347 | Observation id |
| title | ACIS-456789 diagnostics | Proposal title |
| observer | CHANDRA engineering request/realtime commanding | Principal investig |
| object | &#160 | Source name |
| dtycycle | 0 | &#160 |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 0.0 | Observer's specified target RA |
| dec_targ | 0.0 | Observer's specified target Dec |
| ra_nom | 130.33184030803 | Nominal RA |
| dec_nom | 70.923258955044 | Nominal Dec |
| roll_nom | 70.907339080672 | Nominal Roll |
| revision | 6 | Processing version of data |
| ontime | 3928.1309394613 | Sum of GTIs [s] |
| livetime | 3878.3905802693 | Livetime [s] |
| ontime4 | 1462.5726404116 | Sum of GTIs [s] |
| ontime5 | 4184.1693293527 | Sum of GTIs [s] |
| ontime6 | 1649.6877964735 | Sum of GTIs [s] |
| ontime7 | 3928.1309394613 | Sum of GTIs [s] |
| ontime8 | 1662.6518567055 | Sum of GTIs [s] |
| ontime9 | 1636.7236763835 | Sum of GTIs [s] |
| l2events | 1284114 | Number of level 2 events |