

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 1881 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 23 2012

See axaff01881N003\_VV001\_vvref2.pdf for the full report

|                            |            |
|----------------------------|------------|
| V&V Scientist              | Jen Lauer  |
| V&V Date (YYYY-MM-DD)      | 2012.11.08 |
| V&V Edition                | 1          |
| V&V Disposition and Status | OK         |
| V&V Charge Time            | 99.936     |

## Comments

A spatial region of the original bias map for CCD = 1 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 1 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:  
(15.34745, -72.15354), (15.35368, -72.15072), (14.97897, -72.07196), (14.97271, -72.07477)

|          |  |   |
|----------|--|---|
| seq_num  | 200109   | Sequence number                             |
| obs_id   | 1881   | Observation id                              |
| title    | THE NEARBY LOW METALLICITY STARBURST NGC~346: A HIGH REDSHIFT STARBURST ANALOGUE | Proposal title                              |
| observer | Dr Michael Corcoran  | Principal investigator                      |
| object   | NGC 346  | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 14.770833  | Observer's specified target RA [deg]        |
| dec_targ | -72.178361   | Observer's specified target Dec [deg]       |
| ra_nom   | 14.762572877909  | Nominal RA [deg]                            |
| dec_nom  | -72.174337222236   | Nominal Dec [deg]                           |
| roll_nom | 145.22333819293  | Nominal Roll [deg]                          |
| revision | 4  | Processing version of data                  |
| ontime   | 99952.000093073  | Sum of GTIs [s]                             |
| livetime | 98686.347684025  | Livetime [s]                                |
| ontime0  | 99948.759132817  | Sum of GTIs [s]                             |
| ontime1  | 99945.518172592  | Sum of GTIs [s]                             |
| ontime2  | 99942.277202308  | Sum of GTIs [s]                             |
| ontime3  | 99952.000093073  | Sum of GTIs [s]                             |
| ontime6  | 99952.000093073  | Sum of GTIs [s]                             |
| ontime7  | 99952.000093073  | Sum of GTIs [s]                             |
| l2events | 677028   | Number of level 2 events                    |

