

# V&V Summary Report

## L2 ASCDS Version : 10.9.1

Observation 7237 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See axaff07237N003\_VV001\_vvref2.pdf for the full report

|                            |            |
|----------------------------|------------|
| V&V Scientist              | Jen Lauer  |
| V&V Date (YYYY-MM-DD)      | 2020.10.15 |
| V&V Edition                | 1          |
| V&V Disposition and Status | Repr+DD    |
| V&V Charge Time            | 17.15531   |

## Comments

Roll constraint met.

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The bias map for CCD\_ID = 0 suffers from anomalously high bias values in an 'exacto-knife'-shaped area of the bias file. Pixels in the event data that have been bias-corrected by one of the 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\_ID = 0 will be recreated to remove this anomaly and the data will be reprocessed.

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SAP: please reprocess with the replacement bias for CCD\_ID = 0

|          |  |   |
|----------|--|---|
| seq_num  | 900353   | Sequence number                             |
| obs_id   | 7237   | Observation id                              |
| title    | Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies | Proposal title                              |
| observer | Prof Kirpal Nandra   | Principal investigator                      |
| object   | Extended Groth Strip (EGS)   | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 214.102081   | Observer's specified target RA [deg]        |
| dec_targ | 52.334053  | Observer's specified target Dec [deg]       |
| ra_nom   | 214.10972051121  | Nominal RA [deg]                            |
| dec_nom  | 52.331375116784  | Nominal Dec [deg]                           |
| roll_nom | 35.192778962119  | Nominal Roll [deg]                          |
| revision | 3  | Processing version of data                  |
| ontime   | 17155.318026453  | Sum of GTIs [s]                             |
| livetime | 16931.171166876  | Livetime [s]                                |
| ontime0  | 17161.599966973  | Sum of GTIs [s]                             |
| ontime1  | 17161.599966973  | Sum of GTIs [s]                             |
| ontime2  | 17158.458966792  | Sum of GTIs [s]                             |
| ontime3  | 17155.318026453  | Sum of GTIs [s]                             |
| ontime6  | 17158.458976716  | Sum of GTIs [s]                             |
| l2events | 48451  | Number of level 2 events                    |

