

# V&V Summary Report

## L2 ASCDS Version : 10.7

Observation 21251 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 30 2018

See [axaff21251N001\\_VV002\\_vvref2.pdf](#) for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Beth Sundheim   |
| V&V Date (YYYY-MM-DD)      | 2018.12.10      |
| V&V Edition                | 2               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 4.9585729357004 |

## 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 (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. In this case, the bias map for CCD = 1 could not be improved because no suitable data at a compatible temperature and time range are available to use as replacement values. The bias map used in this processing is the original bias map telemetered with the observation.

|          |                                                      |                                             |
|----------|------------------------------------------------------|---------------------------------------------|
| seq_num  | 402083                                               | Sequence number                             |
| obs_id   | 21251                                                | Observation id                              |
| title    | The Nature of INTEGRAL Sources in the Galactic Plane | Proposal titl                               |
| observer | John Tomsick                                         | Principal investigator                      |
| object   | IGR J19577+3339                                      | Source name                                 |
| dtcycle  | 0                                                    | &#160                                       |
| cycle    | P                                                    | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 299.429167                                           | Observer's specified target RA [deg]        |
| dec_targ | 33.658                                               | Observer's specified target Dec [deg]       |
| ra_nom   | 299.43617141321                                      | Nominal RA [deg]                            |
| dec_nom  | 33.657272287817                                      | Nominal Dec [deg]                           |
| roll_nom | 320.20489198368                                      | Nominal Roll [deg]                          |
| revision | 1                                                    | Processing version of data                  |
| ontime   | 4958.5729357004                                      | Sum of GTIs [s]                             |
| livetime | 4895.7844994944                                      | Livetime [s]                                |
| ontime0  | 4958.4498157501                                      | Sum of GTIs [s]                             |
| ontime1  | 4958.4908556938                                      | Sum of GTIs [s]                             |
| ontime2  | 4958.5318957567                                      | Sum of GTIs [s]                             |
| ontime3  | 4958.5729357004                                      | Sum of GTIs [s]                             |
| ontime6  | 4958.655015707                                       | Sum of GTIs [s]                             |
| ontime7  | 4958.6139757633                                      | Sum of GTIs [s]                             |
| l2events | 38466                                                | Number of level 2 events                    |

