

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 2669 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2012

See axaff02669N003\_VV001\_vvref2.pdf for the full report

|                            |            |
|----------------------------|------------|
| V&V Scientist              | Jen Lauer  |
| V&V Date (YYYY-MM-DD)      | 2012.11.29 |
| V&V Edition                | 1          |
| V&V Disposition and Status | OK         |
| V&V Charge Time            | 27.004     |

## Comments

A spatial region of the original bias map for CCD = 6 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 = 6 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:  
(265.26603, -53.50735), (265.26076, -53.51096), (265.43847, -53.60234), (265.44373, -53.59872)

|          |  |   |
|----------|--|---|
| seq_num  | 300070                                     | Sequence number                             |
| obs_id   | 2669                                       | Observation id                              |
| title    | RESOLVING THE COMPACT BINARIES IN NGC 6397 | Proposal title                              |
| observer | Dr. Stephen Murray                         | Principal investigator                      |
| object   | NGC6397                                    | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 265.175                                    | Observer's specified target RA [deg]        |
| dec_targ | -53.674417                                 | Observer's specified target Dec [deg]       |
| ra_nom   | 265.19462291411                            | Nominal RA [deg]                            |
| dec_nom  | -53.663694464113                           | Nominal Dec [deg]                           |
| roll_nom | 48.943002386006                            | Nominal Roll [deg]                          |
| revision | 4  | Processing version of data                  |
| ontime   | 27001.599899411                            | Sum of GTIs [s]                             |
| livetime | 26659.689383073                            | Livetime [s]                                |
| ontime2  | 27001.599899411                            | Sum of GTIs [s]                             |
| ontime3  | 27001.599899411                            | Sum of GTIs [s]                             |
| ontime5  | 27001.599899411                            | Sum of GTIs [s]                             |
| ontime6  | 27001.599899411                            | Sum of GTIs [s]                             |
| ontime7  | 27001.599899411                            | Sum of GTIs [s]                             |
| ontime8  | 27001.599899411                            | Sum of GTIs [s]                             |
| l2events | 279645                                     | Number of level 2 events                    |

