

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 11051 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jul 5 2012

See axaff11051N003\_VV001\_vvref2.pdf for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Jen Lauer       |
| V&V Date (YYYY-MM-DD)      | 2012.07.13      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 10.053376198173 |

## Comments

A spatial region of the original bias map for CCD = 7 suffered from anomalously high data values at the position of the target. In the original processing, a region with approximately 40 pixels near the center of the target in the Level 2 event data had zero or near zero counts because of the elevated bias values. The bias map for CCD = 7 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:

(267.01882,-24.78200), (267.01889,-24.77981), (267.01649,-24.77974), (267.01641,-24.78193)

|          |  |   |
|----------|--|---|
| seq_num  | 401086   | Sequence number                             |
| obs_id   | 11051  | Observation id                              |
| title    | Transient LMXBs in Globular Clusters: More Numerous than We Thought? | &#160                                       |
| observer | Prof. David Pooley   | Principal investigator                      |
| object   | Terzan 5   | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 267.020417   | Observer's specified target RA [deg]        |
| dec_targ | -24.779167   | Observer's specified target Dec [deg]       |
| ra_nom   | 267.02302818409  | Nominal RA [deg]                            |
| dec_nom  | -24.783429848446   | Nominal Dec [deg]                           |
| roll_nom | 268.11633043309  | Nominal Roll [deg]                          |
| revision | 3  | Processing version of data                  |
| ontime   | 10053.376205087  | Sum of GTIs [s]                             |
| livetime | 9926.0743021615  | Livetime [s]                                |
| ontime2  | 10053.41724509   | Sum of GTIs [s]                             |
| ontime3  | 10053.253085077  | Sum of GTIs [s]                             |
| ontime5  | 10053.335165083  | Sum of GTIs [s]                             |
| ontime6  | 10053.29412508   | Sum of GTIs [s]                             |
| ontime7  | 10053.376205087  | Sum of GTIs [s]                             |
| ontime8  | 10053.212045074  | Sum of GTIs [s]                             |
| l2events | 795570   | Number of level 2 events                    |

