

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13252 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See [axaff13252N002\\_VV001\\_vvref2.pdf](#) for the full report

|                            |               |
|----------------------------|---------------|
| V&V Scientist              | Beth Sundheim |
| V&V Date (YYYY-MM-DD)      | 2012.02.12    |
| V&V Edition                | 1             |
| V&V Disposition and Status | OK            |
| V&V Charge Time            | 40.08         |

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

|          |   |   |
|----------|---|---|
| seq_num  | 401297  | Sequence number                             |
| obs_id   | 13252   | Observation id                              |
| title    | Probing the neutron star crust of the new transiently accreting 11 Hz X-ray pulsar in the globular cluster Terzan 5 | Proposal title                              |
| observer | Nathalie Degenaar   | Principal investigator                      |
| object   | CXOGC1b J174804.8-244648  | Source name                                 |
| dtcycle  | 0   | &#160                                       |
| cycle    | P   | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 267.02  | Observer's specified target RA [deg]        |
| dec_targ | -24.78  | Observer's specified target Dec [deg]       |
| ra_nom   | 267.01738994472   | Nominal RA [deg]                            |
| dec_nom  | -24.775777813667  | Nominal Dec [deg]                           |
| roll_nom | 87.686412661334   | Nominal Roll [deg]                          |
| revision | 2   | Processing version of data                  |
| ontime   | 40080.0   | Sum of GTIs [s]                             |
| livetime | 39539.105043012   | Livetime [s]                                |
| ontime7  | 40080.0   | Sum of GTIs [s]                             |
| l2events | 150054  | Number of level 2 events                    |

