

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 13846 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 23 2012

See axaff13846N002-VV001\_vvref2.pdf for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Joy Nichols     |
| V&V Date (YYYY-MM-DD)      | 2012.05.25      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 56.206100432277 |

## Comments

Instrument safing due to high radiation environment ran autonomously at 138:02:18:14, terminating the observation.

The last portion of the observation may have elevated count rate due to high radiation environment.

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Roll constraint met.

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Note: spatially complex region with multiple point sources and extended emission. The spectral extraction was centered on the nominal Sgr A\* coordinates: (RA, DEC) = (266.41667, -29.00780)[deg]. Manual intervention was not necessary for these zeroth order coordinates because the software defaulted automatically to this position.

|          |  |   |
|----------|--|---|
| seq_num  | 601012   | Sequence number                             |
| obs_id   | 13846  | Observation id                              |
| title    | Chandra HETG Ultra-deep Gratings Spectroscopy of Sgr A* (CHUGSS) | P   |
| observer | Dr. Frederick Baganoff   | Principal investigator                      |
| object   | Sgr A*   | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 266.416667   | Observer's specified target RA [deg]        |
| dec_targ | -29.007806   | Observer's specified target Dec [deg]       |
| ra_nom   | 266.41426355064  | Nominal RA [deg]                            |
| dec_nom  | -29.005621002772   | Nominal Dec [deg]                           |
| roll_nom | 76.405465972736  | Nominal Roll [deg]                          |
| revision | 2  | Processing version of data                  |
| ontime   | 56206.100432277  | Sum of GTIs [s]                             |
| livetime | 55471.7263518  | Livetime [s]                                |
| ontime5  | 56206.100432277  | Sum of GTIs [s]                             |
| ontime6  | 56002.05374074   | Sum of GTIs [s]                             |
| ontime7  | 56206.100432277  | Sum of GTIs [s]                             |
| ontime8  | 56027.060621142  | Sum of GTIs [s]                             |
| ontime9  | 55979.944936454  | Sum of GTIs [s]                             |
| l2events | 693802   | Number of level 2 events                    |

