

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 2983 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 24 2012

See axaff02983N003\_VV001\_vvref2.pdf for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2012.10.24  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 90.152      |

## Comments

Gain and CTI correction are not well calibrated on CCD\_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in `tg_resolve_events` (`osipfile=none`, `osort_lo`, `osort_hi ~0.5`) though this can allow more zeroth order background at short wavelengths.

===

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

|          |  |   |
|----------|--|---|
| seq_num  | 700422   | Sequence number                             |
| obs_id   | 2983   | Observation id                              |
| title    | HIGH RESOLUTION SPECTROSCOPY OF AGN IN OUTBURST:THE GASEOUS NUCLEAR ENVIRONMENT AND THE WIGM | Proposal title                              |
| observer | Dr. Fabrizio Nicastro  | Principal investigator                      |
| object   | SY1 IN OUTBURST  | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 186.444583   | Observer's specified target RA [deg]        |
| dec_targ | 12.662222  | Observer's specified target Dec [deg]       |
| ra_nom   | 186.45109448407  | Nominal RA [deg]                            |
| dec_nom  | 12.642193487659  | Nominal Dec [deg]                           |
| roll_nom | 103.15898567295  | Nominal Roll [deg]                          |
| revision | 4  | Processing version of data                  |
| ontime   | 90152.659157872  | Sum of GTIs [s]                             |
| livetime | 88027.5700549  | Livetime [s]                                |
| ontime4  | 90154.400158033  | Sum of GTIs [s]                             |
| ontime5  | 90154.400158033  | Sum of GTIs [s]                             |
| ontime6  | 90154.400158033  | Sum of GTIs [s]                             |
| ontime7  | 90152.659157872  | Sum of GTIs [s]                             |
| ontime8  | 90154.400158033  | Sum of GTIs [s]                             |
| ontime9  | 90152.659147933  | Sum of GTIs [s]                             |
| l2events | 524278   | Number of level 2 events                    |

