

# V&V Summary Report

## L2 ASCDS Version : 8.2.1

Observation 1105 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jan 13 2010

See axaff01105N001\_VV001\_vvref2.pdf for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2010.07.29  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 13.893      |

## Comments

ACIS off-axis PSF measurement. Target is on chip I2.

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The focal plane temperature is approximately -100 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T\_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

|          |                     |  |
|----------|---------------------|--|
| seq_num  | 780055              | Sequence number                          |
| obs_id   | 1105                | Observation id                           |
| title    | &#160               | Proposal title                           |
| observer | Dr. CXC Calibration | Principal investigator                   |
| object   | PKS0312-770         | Source name                              |
| dtcycle  | 0                   | &#160                                    |
| cycle    | P                   | events from which exps? Prim/Second/Both |
| ra_targ  | 47.98               | Observer's specified target RA           |
| dec_targ | -76.864167          | Observer's specified target Dec          |
| ra_nom   | 48.046808448105     | Nominal RA                               |
| dec_nom  | -76.891698839932    | Nominal Dec                              |
| roll_nom | 64.564313345714     | Nominal Roll                             |
| revision | 2                   | Processing version of data               |
| ontime   | 13892.790072031     | Sum of GTIs [s]                          |
| livetime | 12838.967610557     | Livetime [s]                             |
| ontime2  | 13892.790072031     | Sum of GTIs [s]                          |
| l2events | 9512                | Number of level 2 events                 |

