

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 62551 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See [axaff62551N001\\_VV001\\_vvref2.pdf](#) for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2010.08.16  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 5.467       |

## Comments

ACIS focus measurement. Moved SIM to -1.25 mm from nominal focus.  
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Slots 4 and 6 were removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing these guide stars from the solution.

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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

effect.

|          |                     |  |
|----------|---------------------|--|
| seq_num  | 780213              | Sequence number                          |
| obs_id   | 62551               | Observation id                           |
| title    | ACIS Focus Test     | Proposal title                           |
| observer | Dr. CXC Calibration | Principal investigator                   |
| object   | PKS0637-752         | Source name                              |
| dtcycle  | 0                   | &#160                                    |
| cycle    | P                   | events from which exps? Prim/Second/Both |
| ra_targ  | 98.94               | Observer's specified target RA           |
| dec_targ | -75.27              | Observer's specified target Dec          |
| ra_nom   | 98.932611029987     | Nominal RA                               |
| dec_nom  | -75.264680733137    | Nominal Dec                              |
| roll_nom | 136.05508405036     | Nominal Roll                             |
| revision | 3                   | Processing version of data               |
| ontime   | 5468.5708231255     | Sum of GTIs [s]                          |
| livetime | 5322.9353129629     | Livetime [s]                             |
| ontime7  | 5468.5708231255     | Sum of GTIs [s]                          |
| l2events | 23335               | Number of level 2 events                 |

