

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1778 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 18 2008

See axaff01778N002\_VV001\_vvref2.pdf for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2008.11.20  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 7.324       |

## Comments

Charge time for this ObsId remains at original value of 7.324 ks, although with the current processing the charge time would have been 7.318 ksec.=====

This calibration observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the

1999-09-16 through 2000-01-28 period.  
=====

This reprocessing of the data applies no CTI correction because none is available for that temperature.  
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Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 degrees C for approximately the entire observation.

This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. 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  | 590204                                     |
| obs_id   | 1778                                       |
| title    | HRC RESPONSE TO CONTINUUM SOURCE.          |
| observer | Dr. CXC Calibration                        |
| object   | G21.5-0.9 [Chip I3, T=110, Offsets=-4,0,2] |
| dtcycle  | 0  |
| cycle    | P  |
| ra_targ  | 278.389583                                 |
| dec_targ | -10.568528                                 |
| ra_nom   | 278.32543314432                            |
| dec_nom  | -10.60170458846                            |
| roll_nom | 209.47887781055                            |
| revision | 4  |
| ontime   | 7318.4000068158                            |
| livetime | 7225.7300193181                            |
| ontime0  | 7318.4000068158                            |
| ontime1  | 7318.4000068158                            |
| ontime2  | 7318.4000068158                            |
| ontime3  | 7318.4000068158                            |
| ontime6  | 7318.4000068158                            |
| ontime7  | 7318.4000068158                            |
| l2events | 67543                                      |

