

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 679 - L2 Version 6  
Chandra X-Ray Center

L2 Processing Date : Sep 11 2012

See [axaff00679N003\\_VV001\\_vvref2.pdf](#) for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2012.09.13  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 6.006       |

## Comments

Charge time for this ObsId remains at original value of 6.006 ks, although with the current processing the charge time would have been 6.204 ksec. Subarray is too narrow to include softer X-ray events in the dispersed spectra.

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This is an interleave-mode observation. The primary exposure (e1) is shorter than the secondary exposure (e2). Therefore the longer exposure was used to determine the zeroth order position (x=4065.03, y=4136.60), then that position was applied to both exposures for purposes of spectral extraction. tgdetect was used to find the e2 zeroth order position.

|          |  |  |
|----------|--|--|
| seq_num  | 400046   | Sequence number                                      |
| obs_id   | 679  | Observation id                                       |
| title    | AXAF OBSERVATIONS OF A BRIGHT BLACK HOLE<br>X-RAY BINARY IN OUTBURST | &#160  |
| observer | Prof. Walter Lewin   | Principal investigator                               |
| object   | XTE J1550-564 (0.05 CRAB)  | Source name  |
| dtcycle  | 0  | &#160  |
| cycle    | P  | events are from which exps?<br>P[primary] S[econdar] |
| ra_targ  | 237.745417   | Observer's specified target RA [deg]                 |
| dec_targ | -56.476472   | Observer's specified target Dec [deg]                |
| ra_nom   | 237.736577433  | Nominal RA [deg]                                     |
| dec_nom  | -56.481952844418   | Nominal Dec [deg]                                    |
| roll_nom | 327.8212910218   | Nominal Roll [deg]                                   |
| revision | 6  | Processing version of data                           |
| ontime   | 1166.6921179444  | Sum of GTIs [s]                                      |
| livetime | 264.64405046524  | Livetime [s]   |
| ontime4  | 1166.6921179444  | Sum of GTIs [s]                                      |
| ontime5  | 1166.6920880079  | Sum of GTIs [s]                                      |
| ontime6  | 1166.6921179444  | Sum of GTIs [s]                                      |
| ontime7  | 1166.6921179444  | Sum of GTIs [s]                                      |
| ontime8  | 1166.6921179444  | Sum of GTIs [s]                                      |
| ontime9  | 1166.6920880079  | Sum of GTIs [s]                                      |
| l2events | 1812   | Number of level 2 events                             |

