

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 1705 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 23 2007

See [axaff01705N002_VV001_vvref2.pdf](#) for the full report

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2007.08.01 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 25.83 |

Comments

Zeroth order piled up and there is visible structure in the AGN. Standard data processing software did not correctly locate the zeroth order. Manual intervention was used to input the correct sky coordinates (x=4099.63; y=4023.37) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called findzero, which is expected to be released in CIAO. The tool calculates the point of intersection of the readout streak and the meg arm (preferred position), or the readout streak and the heg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in this processing. The newly determined zeroth order coordinates have been placed in the *src1a.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running

tgdetect on the data.

| | |
|----------|---|
| seq_num | 700263 |
| obs_id | 1705 |
| title | HETG OBSERVATIONS OF VARIOUS ACTIVE GALACTIC NUCLEI |
| observer | Dr. CXC Calibration |
| object | PKS 2155-304 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 329.716667 |
| dec_targ | -30.225556 |
| ra_nom | 329.71741438505 |
| dec_nom | -30.215562362986 |
| roll_nom | 96.760314009829 |
| revision | 4 |
| ontime | 25827.200024053 |
| livetime | 25500.160466076 |
| ontime4 | 25823.959173515 |
| ontime5 | 25827.200024053 |
| ontime6 | 25823.959173515 |
| ontime7 | 25827.200024053 |
| ontime8 | 25827.200024053 |
| ontime9 | 25823.959033906 |
| l2events | 342746 |

