

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12935 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12935N002-VV001\_vvref2.pdf for the full report

|                            |                 |
|----------------------------|-----------------|
| V&V Scientist              | Jen Lauer       |
| V&V Date (YYYY-MM-DD)      | 2012.02.08      |
| V&V Edition                | 1               |
| V&V Disposition and Status | OK              |
| V&V Charge Time            | 17.055735520422 |

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

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Roll preference met.

|          |  |   |
|----------|--|---|
| seq_num  | 900967   | Sequence number                             |
| obs_id   | 12935  | Observation id                              |
| title    | Filling the 15 micron Gap: Search for Compton-thick Accretion with Chandra and AKARI in the NEP Deep Field | Proposal title                              |
| observer | Dr. Mirko Krumpe   | Principal investigator                      |
| object   | AKARI-NEP-Deep Field   | Source name                                 |
| dtcycle  | 0  | &#160                                       |
| cycle    | P  | events from which exps?<br>Prim/Second/Both |
| ra_targ  | 269.14583  | Observer's specified target RA [deg]        |
| dec_targ | 66.559167  | Observer's specified target Dec [deg]       |
| ra_nom   | 269.14120990868  | Nominal RA [deg]                            |
| dec_nom  | 66.56704338931   | Nominal Dec [deg]                           |
| roll_nom | 85.712956481466  | Nominal Roll [deg]                          |
| revision | 2  | Processing version of data                  |
| ontime   | 17055.735519052  | Sum of GTIs [s]                             |
| livetime | 16839.765526178  | Livetime [s]                                |
| ontime0  | 17055.612399042  | Sum of GTIs [s]                             |
| ontime1  | 17055.653439045  | Sum of GTIs [s]                             |
| ontime2  | 17055.694479048  | Sum of GTIs [s]                             |
| ontime3  | 17055.735519052  | Sum of GTIs [s]                             |
| ontime6  | 17055.817599058  | Sum of GTIs [s]                             |
| ontime7  | 17055.776559055  | Sum of GTIs [s]                             |
| l2events | 116521   | Number of level 2 events                    |

