# V&V Summary Report
# L2 ASCDS Version : 8.4.3

Observation 12259 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

See axaff12259N002_VV001_vvref2.pdf for the full report

| V&V Scientist | Jen Lauer |
|---|---|
| V&V Date (YYYY-MM-DD) | 2012.02.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 20.05071816349 |

# 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.

| | | |
|---|---|---|
| seq_num | 800978 | Sequence number |
| obs_id | 12259 | Observation id |
| title | Chandra Observations of the ACT Sample of SZE-Selected Galaxy Clusters | Proposal title |
| observer | Prof John Hughes | Principal investigator |
| object | ACT J0438-5419 | Source name |
| dtycycle | 0 | &#160 |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 69.57375 | Observer's specified target RA [deg] |
| dec_targ | -54.322417 | Observer's specified target Dec [deg] |
| ra_nom | 69.591407283346 | Nominal RA [deg] |
| dec_nom | -54.375828902769 | Nominal Dec [deg] |
| roll_nom | 282.9352676749 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 20050.71816355 | Sum of GTIs [s] |
| livetime | 19788.740769619 | Livetime [s] |
| ontime0 | 20057.000154257 | Sum of GTIs [s] |
| ontime1 | 20057.000154257 | Sum of GTIs [s] |
| ontime2 | 20053.859183848 | Sum of GTIs [s] |
| ontime3 | 20050.71816355 | Sum of GTIs [s] |
| ontime6 | 20053.859143853 | Sum of GTIs [s] |
| l2events | 70434 | Number of level 2 events |