

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 11960 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 23 2012

See axaff11960N004_VV001_vvref2.pdf for the full report

| | |
|----------------------------|-----------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2012.07.24 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 20.125159164548 |

Comments

Used flat order-sorting in tg_resolve_events, since there is no 'osip' table for ACIS-I.

===

```
pset grt_lev15 osipfile=none===
```

```
pset grt_lev15 osort_lo=0.3===
```

```
pset grt_lev15 osort_hi=0.3===
```

===

Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates (x=4119.125, y=4115.375) into the *src1a.fits file table. These corrected coordinates were determined by eye because neither the pipeline tool tgdetect nor the findzero tool was successful in identifying the piled up zeroth order so close to a chip boundary. The determination of the position by eye is expected to be in error by up to 1-2 pixels. 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 | 790209 | Sequence number |
| obs_id | 11960 | Observation id |
| title | AO-11 Calibration Observations of MKN 421 | Proposal title |
| observer | Dr. CXC Calibration | Principal investigator |
| object | MKN421 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 166.113333 | Observer's specified target RA [deg] |
| dec_targ | 38.208806 | Observer's specified target Dec [deg] |
| ra_nom | 166.11771898361 | Nominal RA [deg] |
| dec_nom | 38.206238830239 | Nominal Dec [deg] |
| roll_nom | 120.07006908058 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 20125.159164488 | Sum of GTIs [s] |
| livetime | 19862.209144078 | Livetime [s] |
| ontime0 | 20128.300154805 | Sum of GTIs [s] |
| ontime1 | 20128.300154805 | Sum of GTIs [s] |
| ontime2 | 20125.159144461 | Sum of GTIs [s] |
| ontime3 | 20125.159164488 | Sum of GTIs [s] |
| ontime6 | 20128.300154805 | Sum of GTIs [s] |
| l2events | 231787 | Number of level 2 events |

