V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 10671 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

See axaff10671N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.959601150751

Comments

```
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=3981.85, y=4201.68) 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 (currently in ISIS). 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.
===
Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1).
Default order sorting can clip some regions, particularly longward of
30A (first order). User-specified custom processing parameters may be
required in tg_resolve_events (osipfile=none, osort_lo, osort_hi ~0.5)
though this can allow more zeroth order background at short wavelengths.
```

seq_num	790208		Sequence number
obs_id	10671		Observation id
title	AO-10 Calibration Observation of PKS2155-304 Near the Read-Out		Pro
observer	Dr. CXC Calibration		Principal investigator
object	Mkn421		Source name
dtycycle	0		&#160
cycle	P		events from which exps? Prim/Second/Both
ra_targ	166.1133		Observer's specified target RA [deg]
dec_targ	38.2088		Observer's specified target Dec [deg]
ra_nom	166.09381287191		Nominal RA [deg]
dec_nom	38.19451029732		Nominal Dec [deg]
roll_nom	38.757620752264		Nominal Roll [deg]
revision	2		Processing version of data
ontime	28959.601150751		Sum of GTIs [s]
livetime	27105.579512122		Livetime [s]
ontime4	28959.601150751		Sum of GTIs [s]
ontime5	28959.601150751		Sum of GTIs [s]
ontime6	28959.601150751		Sum of GTIs [s]
ontime7	28959.601150751		Sum of GTIs [s]
ontime8	28959.601150751		Sum of GTIs [s]
ontime9	28959.601150751		Sum of GTIs [s]
l2events	813845		Number of level 2 events