

V&V Summary Report

L2 ASCDS Version : 8.4.3.1

Observation 13101 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Mar 21 2012

See axaff13101N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.7642998336554

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 ($x=4121.6$, $y=3945.0$) 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.

seq_num	790231	Sequence number
obs_id	13101	Observation id
title	AO-12 Calibration Observations of Mkn421	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	166.11812515813	Nominal RA [deg]
dec_nom	38.229523371311	Nominal Dec [deg]
roll_nom	266.95474561848	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9764.2998336554	Sum of GTIs [s]
livetime	9223.5370338426	Livetime [s]
ontime4	9764.2998336554	Sum of GTIs [s]
ontime5	9764.2968963981	Sum of GTIs [s]
ontime6	9764.2558563948	Sum of GTIs [s]
ontime7	9764.2998336554	Sum of GTIs [s]
ontime8	9764.2148163915	Sum of GTIs [s]
ontime9	9764.1737763882	Sum of GTIs [s]
l2events	133830	Number of level 2 events

