

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1714 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

See axaff01714N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.83

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 ($x=4063.23$, $y=4161.57$) into the *srcla.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 as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg 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 *srcla.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	700265	Sequence number
obs_id	1714	Observation id
title	X-RAYING THE BRIGHTEST AGN IN THE SKY WITH THE CHANDRA GRATINGS	Pr
observer	Dr Antonella Fruscione	Principal investigator
object	MRK 421	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.11375	Observer's specified target RA [deg]
dec_targ	38.208833	Observer's specified target Dec [deg]
ra_nom	166.10799580382	Nominal RA [deg]
dec_nom	38.199931573409	Nominal Dec [deg]
roll_nom	253.64813508706	Nominal Roll [deg]
revision	5	Processing version of data
ontime	19829.504414424	Sum of GTIs [s]
livetime	19578.411289635	Livetime [s]
ontime4	19829.545454428	Sum of GTIs [s]
ontime5	19829.463374421	Sum of GTIs [s]
ontime6	19829.422334433	Sum of GTIs [s]
ontime7	19829.504414424	Sum of GTIs [s]
ontime8	19829.381294429	Sum of GTIs [s]
ontime9	19829.340254426	Sum of GTIs [s]
l2events	425451	Number of level 2 events

