

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 57 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 24 2012

See axaff00057N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.196

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 ($x=4103.93$, $y=4129.72$) 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. 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	290026	Sequence number
obs_id	57	Observation id
title	GRATINGS CALIBRATION OBSERVATION OF AN EMISSION LINE SOURCE: CAPELLA	
observer	Dr. CXC Calibration	Principal investigator
object	CAPELLA	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.17625	Observer's specified target RA [deg]
dec_targ	45.997889	Observer's specified target Dec [deg]
ra_nom	79.173778356592	Nominal RA [deg]
dec_nom	45.993449138606	Nominal Dec [deg]
roll_nom	271.5383696774	Nominal Roll [deg]
revision	4	Processing version of data
ontime	29205.179319784	Sum of GTIs [s]
livetime	28835.365753989	Livetime [s]
ontime4	29205.220359787	Sum of GTIs [s]
ontime5	29205.138279781	Sum of GTIs [s]
ontime6	29205.097239792	Sum of GTIs [s]
ontime7	29205.179319784	Sum of GTIs [s]
ontime8	29205.056199789	Sum of GTIs [s]
ontime9	29205.015159786	Sum of GTIs [s]
l2events	366307	Number of level 2 events

