

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 3454 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 5 2012

See axaff03454N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.102

## 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 ( $x=4075.76$ ,  $y=4091.06$ ) 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	300089	Sequence number
obs_id	3454	Observation id
title	CHANDRA HETG SPECTROSCOPY OF GK PER IN OUTBURST	Proposal title
observer	Christopher Mauche	Principal investigator
object	GK PER	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.799167	Observer's specified target RA [deg]
dec_targ	43.904667	Observer's specified target Dec [deg]
ra_nom	52.796131021756	Nominal RA [deg]
dec_nom	43.905009754974	Nominal Dec [deg]
roll_nom	301.440454243	Nominal Roll [deg]
revision	3	Processing version of data
ontime	32099.958999842	Sum of GTIs [s]
livetime	31581.51681973	Livetime [s]
ontime4	32102.5	Sum of GTIs [s]
ontime5	32099.958999842	Sum of GTIs [s]
ontime6	32102.5	Sum of GTIs [s]
ontime7	32099.958999842	Sum of GTIs [s]
ontime8	32102.5	Sum of GTIs [s]
ontime9	32099.958999842	Sum of GTIs [s]
l2events	277346	Number of level 2 events

