

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1018 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 18 2012

See axaff01018N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.362

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 ($x=4150.44$, $y=4038.07$) 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	400096	Sequence number
obs_id	1018	Observation id
title	THE ANOMALOUS X-RAY PULSAR 4U 0142+61	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	4U 0142+61	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	26.591667	Observer's specified target RA [deg]
dec_targ	61.753333	Observer's specified target Dec [deg]
ra_nom	26.608758279094	Nominal RA [deg]
dec_nom	61.758860042303	Nominal Dec [deg]
roll_nom	44.59029049867	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25365.090676188	Sum of GTIs [s]
livetime	24799.658463227	Livetime [s]
ontime4	25365.131686255	Sum of GTIs [s]
ontime5	25365.049636185	Sum of GTIs [s]
ontime6	25368.69056654	Sum of GTIs [s]
ontime7	25365.090676188	Sum of GTIs [s]
ontime8	25368.649526536	Sum of GTIs [s]
ontime9	25364.92651619	Sum of GTIs [s]
l2events	282285	Number of level 2 events

