

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 6089 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 28 2012

See axaff06089N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.1799

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=4106.28, y=3943.11) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called tg_findzo, available in CIAO. The tool calculates the point of intersection of the readout streak and the leg 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.

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Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in tg_resolve_events (osipfile=none, osort_lo, osort_hi ~0.5) though this can allow more zeroth order background at short wavelengths.

seq_num	790098	Sequence number
obs_id	6089	Observation id
title	AO6 Calibration Observations of 3C273	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	1H1426+428	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.135833	Observer's specified target RA [deg]
dec_targ	42.6725	Observer's specified target Dec [deg]
ra_nom	217.13765494867	Nominal RA [deg]
dec_nom	42.693481266291	Nominal Dec [deg]
roll_nom	261.93333671354	Nominal Roll [deg]
revision	3	Processing version of data
ontime	42179.899281681	Sum of GTIs [s]
livetime	39843.907882404	Livetime [s]
ontime4	42179.899281681	Sum of GTIs [s]
ontime5	42179.899281681	Sum of GTIs [s]
ontime6	42179.899281681	Sum of GTIs [s]
ontime7	42179.899281681	Sum of GTIs [s]
ontime8	42179.899281681	Sum of GTIs [s]
ontime9	42179.899281681	Sum of GTIs [s]
l2events	185707	Number of level 2 events

