

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2177 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Oct 12 2012

See [axaff02177N004_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.054

Comments

Optical photometry of target in slot 7.

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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=4089.35, y=4080.79) 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.

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The MEG+1 trace is faintly visible in the Level-1 bad events image. This means it may be piled. This can be diagnosed by comparing to the lower count/frame HEG spectrum in flux units.

seq_num	700367	Sequence number
obs_id	2177	Observation id
title	CHANDRA OBSERVATIONS OF THE BRIGHT SEYFERT 1 GALAXY IC 4329A	Propo
observer	DR GRZEGORZ MADEJSKI	Principal investigator
object	IC 4329A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.33	Observer's specified target RA [deg]
dec_targ	-30.309444	Observer's specified target Dec [deg]
ra_nom	207.32911700789	Nominal RA [deg]
dec_nom	-30.307369563821	Nominal Dec [deg]
roll_nom	239.67796783908	Nominal Roll [deg]
revision	6	Processing version of data
ontime	60054.959009841	Sum of GTIs [s]
livetime	59085.019332479	Livetime [s]
ontime4	60057.5	Sum of GTIs [s]
ontime5	60057.5	Sum of GTIs [s]
ontime6	60057.5	Sum of GTIs [s]
ontime7	60054.959009841	Sum of GTIs [s]
ontime8	60057.5	Sum of GTIs [s]
ontime9	60057.5	Sum of GTIs [s]
l2events	723973	Number of level 2 events

