

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2601 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 30 2012

See axaff02601N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.547

Comments

Target is very off-axis and therefore asymmetric and extended. The point spread function is significantly extended by this off-axis position. The zeroth order position was not found by the software and the processing software defaulted to the coordinates supplied by the user for the position of the zeroth order for the grating spectral extraction. The off-axis position yields a minus side spectrum with energies beyond 100 A. The plus side spectrum is truncated. === WARNING: there are no standard CIAO tools for analysis of grating spectra from extended sources. The shape of an emission 'line' will be the shape of the zero order spatial structure convolved with the instrumental LSF. Grating extractions can be used, but need to be combined with custom spatial-spectral analysis, since wavelength is multi-valued at any particular diffraction angle. WARNING: The user will need to deconvolve the PSF of the off-axis source to get an accurate determination of the zeroth order position, then use software tools such as CIAO to specify the coordinates of the zeroth order before running the tools to resolve the dispersed events.

seq_num	290157	Sequence number
obs_id	2601	Observation id
title	AO3 LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.02805497186	Nominal RA [deg]
dec_nom	28.946248453499	Nominal Dec [deg]
roll_nom	69.234298017318	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9550.1816336662	[s]
livetime	9488.4222374332	Ontime multiplied by DTCOR
l2events	394587	Number of level 2 events

