

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2334 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 18 2012

See axaff02334N002-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.15

Comments

Standard software processing technique using the tool `tgdetect` failed to determine an accurate position for the zeroth order for this observation. The source is extended. The position of the zeroth order was chosen to be the same as in `TGCat` and is at the position of the brightest emission (sky coordinates $x=4075.96$, $y=4123.0$). For grating analysis of localized X-ray emission within the extended emission, the investigator will need to extract one or more dispersed spectra using user-defined zeroth order positions for all positions of interest. === The spectral data supplied in this processing are only energy-calibrated for the particular zeroth order position selected. 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. === The spectral lines are spatially-broadened and the `rmfs` are not valid.

seq_num	800177	Sequence number
obs_id	2334	Observation id
title	ACIS-S/HETG OBSERVATIONS OF THE CENTRAL REGION OF THE HYDRA A CLUSTER OF GALAXIES	Proposal title
observer	Dr. J. Jernigan	Principal investigator
object	HYDRA A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.52375	Observer's specified target RA [deg]
dec_targ	-12.095833	Observer's specified target Dec [deg]
ra_nom	139.52072853764	Nominal RA [deg]
dec_nom	-12.099191576033	Nominal Dec [deg]
roll_nom	250.75486495017	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10149.89659363	Sum of GTIs [s]
livetime	10021.372491428	Livetime [s]
ontime4	10149.937633634	Sum of GTIs [s]
ontime5	10149.855553627	Sum of GTIs [s]
ontime6	10149.814513639	Sum of GTIs [s]
ontime7	10149.89659363	Sum of GTIs [s]
ontime8	10149.773473635	Sum of GTIs [s]
ontime9	10149.732433632	Sum of GTIs [s]
l2events	118721	Number of level 2 events

