

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2208 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

See axaff02208N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.558

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 position of the brightest emission (sky coordinates `x=4119.25, y=4073.75`).

Note this is not the same position as used in `TGCat`. 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. ===

Charge time for this `ObsId` remains at previous value of 9.558 ks, although with the current processing the charge time would be 9.661 ks.

seq_num	800147	Sequence number
obs_id	2208	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	139.5267918093	Nominal RA [deg]
dec_nom	-12.092421500257	Nominal Dec [deg]
roll_nom	72.320632820649	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9660.8000089824	Sum of GTIs [s]
livetime	9538.4691422333	Livetime [s]
ontime4	9660.8000089824	Sum of GTIs [s]
ontime5	9660.8000089824	Sum of GTIs [s]
ontime6	9660.8000089824	Sum of GTIs [s]
ontime7	9660.8000089824	Sum of GTIs [s]
ontime8	9657.5590188056	Sum of GTIs [s]
ontime9	9660.8000089824	Sum of GTIs [s]
l2events	116227	Number of level 2 events

