

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1651 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

See axaff01651N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	167.83

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 and asymmetric. The zeroth order position was selected to be the same as the `TGCat` version for this obsid, and is at the position of the brightest X-ray emission (sky coordinates $x=4171.36$, $y=3969.00$). These coordinates have been manually placed in the `*srcla.fits` file, replacing the incorrect coordinates determined by `tgdetect`. 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.

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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 user will need to select a region or source of interest, then use software tools such as CIAO to specify the coordinates of the zeroth order source of interest before running the tools to resolve the dispersed events.

seq_num	800119	Sequence number
obs_id	1651	Observation id
title	HETG OBSERVATIONS OF THE DISTANT MASSIVE COOLING FLOW ZW3146	Propo
observer	Prof Claude Canizares	Principal investigator
object	ZW3146	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	155.915	Observer's specified target RA [deg]
dec_targ	4.186111	Observer's specified target Dec [deg]
ra_nom	155.92521833644	Nominal RA [deg]
dec_nom	4.2043940941355	Nominal Dec [deg]
roll_nom	65.806491703353	Nominal Roll [deg]
revision	3	Processing version of data
ontime	167931.77251942	Sum of GTIs [s]
livetime	165805.31929941	Livetime [s]
ontime4	167925.33160901	Sum of GTIs [s]
ontime5	167931.73147942	Sum of GTIs [s]
ontime6	167931.69043943	Sum of GTIs [s]
ontime7	167931.77251942	Sum of GTIs [s]
ontime8	167925.16746894	Sum of GTIs [s]
ontime9	167928.36739919	Sum of GTIs [s]
l2events	1512671	Number of level 2 events

