

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1651 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jun 22 2007

See axaff01651N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	167.83

## Comments

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
obs_id	1651
title	HETG OBSERVATIONS OF THE DISTANT MASSIVE COOLING FLOW ZW3146
observer	Prof. Claude Canizares
object	ZW3146
dtcycle	0
cycle	P
ra_targ	155.915
dec_targ	4.186111
ra_nom	155.92521833644
dec_nom	4.2043940941355
roll_nom	65.806491703353
revision	2
ontime	167932.8001564
livetime	165806.33392383
ontime4	167926.31820598
ontime5	167932.8001564
ontime6	167932.8001564
ontime7	167932.8001564
ontime8	167926.31822591
ontime9	167929.55919616
l2events	1518713

