

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 49898 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff49898N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.247

## Comments

Due to an operational problem onboard the spacecraft, the HETG grating was not inserted at the beginning of this observation. There is a period of exposure with no grating, followed by the grating observation. The initial observation with no grating is filtered out of the processing in the level 1 and level 2 data by manually setting the time interval to be processed. However, it is possible for the user to recover all the data, both with and without the grating inserted.

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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 processing software defaulted to the coordinates supplied by the user for the position of the zeroth order for the grating spectral extraction. 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.

seq_num	600214	Sequence number
obs_id	49898	Observation id
title	THE DETAILED X-RAY SPECTRA OF ELLIPTICAL GALAXIES	Proposal title
observer	DR. CLAUDE CANIZARES	Principal investigator
object	NGC 1399	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.622083	Observer's specified target RA [deg]
dec_targ	-35.450278	Observer's specified target Dec [deg]
ra_nom	54.618570726731	Nominal RA [deg]
dec_nom	-35.446646787374	Nominal Dec [deg]
roll_nom	151.10458755018	Nominal Roll [deg]
revision	5	Processing version of data
ontime	13251.200012326	Sum of GTIs [s]
livetime	13083.405338855	Livetime [s]
ontime4	13247.959082022	Sum of GTIs [s]
ontime5	13251.200012326	Sum of GTIs [s]
ontime6	13247.959062085	Sum of GTIs [s]
ontime7	13251.200012326	Sum of GTIs [s]
ontime8	13247.959082022	Sum of GTIs [s]
ontime9	13251.200012326	Sum of GTIs [s]
l2events	128938	Number of level 2 events

