

# V&V Summary Report

## L2 ASCDS Version : 7.6.11.10

Observation 49898 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2009

See axaff49898N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.02.05
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 short 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. 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.

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This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.

seq_num	600214
obs_id	49898
title	THE DETAILED X-RAY SPECTRA OF ELLIPTICAL GALAXIES
observer	DR. CLAUDE CANIZARES
object	NGC 1399
dtcycle	0
cycle	P
ra_targ	54.622083
dec_targ	-35.450278
ra_nom	54.618570726731
dec_nom	-35.446646787374
roll_nom	151.10458755018
revision	4
ontime	13251.200012341
livetime	13083.40533887
ontime4	13247.959082037
ontime5	13251.200012341
ontime6	13247.959062099
ontime7	13251.200012341
ontime8	13247.959082037
ontime9	13251.200012341
l2events	129007

