

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 4900 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jan 3 2013

See [axaff04900N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	95.797

## Comments

Charge time for this ObsId remains at previous value of 95.797 ks, although with the current processing the charge time would be 97.1675 ks.

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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. Zeroth order position was chosen to be same as was used in `TGCat` for this obsid, and is at sky coordinates  $x=4081.7465$ ,  $y=4086.1612$ . These coordinates were entered manually during the processing. Zeroth order coordinates are centered near brightest x-ray region.

Zeroth order is extended and may be multiple sources. Multiple sources may have dispersed spectra in this observation. Some of the dispersed spectral arms from different sources may intersect.

seq_num	700981	Sequence number
obs_id	4900	Observation id
title	X-ray Spectroscopy of the Nuclear Region of the Seyfert 2 Galaxy NGC 4945	Proposal title
observer	Dr Greg Madejski	Principal investigator
object	NGC 4945	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.364583	Observer's specified target RA [deg]
dec_targ	-49.4675	Observer's specified target Dec [deg]
ra_nom	196.36147465267	Nominal RA [deg]
dec_nom	-49.466587925513	Nominal Dec [deg]
roll_nom	287.15427102647	Nominal Roll [deg]
revision	3	Processing version of data
ontime	97167.5	Sum of GTIs [s]
livetime	95598.160595661	Livetime [s]
ontime4	97159.877029449	Sum of GTIs [s]
ontime5	97167.5	Sum of GTIs [s]
ontime6	97167.5	Sum of GTIs [s]
ontime7	97167.5	Sum of GTIs [s]
ontime8	97164.959009737	Sum of GTIs [s]
ontime9	97164.958999813	Sum of GTIs [s]
l2events	868076	Number of level 2 events

