

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 10225 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 30 2012

See [axaff10225N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.282

## Comments

The HETG dispersed spectra for these data products have been extracted using the position of SN1996cr as the position of the zeroth order. The sky coordinates  $x=4069.83$ ,  $y=4073.12$  were manually input to the `tg_create_mask` tool. The newly determined zeroth order coordinates have been placed in the `*src1a.fits` file, replacing the coordinates determined by `tgdetect`. Therefore the extracted spectra correspond to the supernova remnant, not the center of the galaxy. There are multiple dispersed spectra associated with different sources in this observation. The `ciao` tool `tgextract2` can be used to create non-standard background regions. ===== In future analysis, if the `ciao` tool `tgdetect` is used on this observation to locate the zeroth order source, the center of the Cir galaxy will be found, not SN 1996cr, which is not as X-ray-bright.

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Data products for spectral extractions of other targets in this field can be found in TGCat.

seq_num	501150	Sequence number
obs_id	10225	Observation id
title	A Deep HETG Probe of the CSM Interaction in SN1996cr	Proposal titl
observer	Dr. Franz Bauer	Principal investigator
object	SN1996cr	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.291667	Observer's specified target RA [deg]
dec_targ	-65.345694	Observer's specified target Dec [deg]
ra_nom	213.28292847621	Nominal RA [deg]
dec_nom	-65.342502523267	Nominal Dec [deg]
roll_nom	107.14868633409	Nominal Roll [deg]
revision	3	Processing version of data
ontime	69282.0	Sum of GTIs [s]
livetime	67888.919374437	Livetime [s]
ontime4	69279.958999753	Sum of GTIs [s]
ontime5	69282.0	Sum of GTIs [s]
ontime6	69277.917979658	Sum of GTIs [s]
ontime7	69282.0	Sum of GTIs [s]
ontime8	69279.958989859	Sum of GTIs [s]
ontime9	69275.876959622	Sum of GTIs [s]
l2events	743766	Number of level 2 events

