

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2416 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 26 2012

See axaff02416N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.622

Comments

NOTE: extended source --- used custom enlarged extraction regions; wavelengths will not map uniquely to position; there are no line-response calibrations (RMF) for extended sources. Warning: Note that the SNR is not uniformly bright, this leads to apparent line shifts between plus and minus orders. Warning: The spectral lines are spatially-broadened and the rmfs are not valid.

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Custom 0th order position and L2 extraction parameters used. Zeroth order at approximate geometric center of SNR.===

pset grt_lev15 sA_zero_x=4169.00 sA_zero_y=4086.00 sA_zero_rad=32.56
sA_width_heg=97.69 sA_width_meg=97.69 sA_width_leg=97.69

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Custom extraction used

pset tgextract min_tg_d='-0.005183' max_tg_d='0.005183'
min_downbkg_tg_d='-0.007775' max_downbkg_tg_d='-0.005183'
min_upbkg_tg_d='0.005183' max_upbkg_tg_d='0.007775'
pset grt_lev2 min_tg_d='-0.005183' max_tg_d='0.005183'
min_downbkg_tg_d='-0.007775' max_downbkg_tg_d='-0.005183'
min_upbkg_tg_d='0.005183' max_upbkg_tg_d='0.007775'

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Roll constraint met.=== 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.

seq_num	500111	Sequence number
obs_id	2416	Observation id
title	HIGH RESOLUTION SPECTRA OF YOUNG SUPERNOVA REMNANTS	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	N103B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.26625	Observer's specified target RA [deg]
dec_targ	-68.721944	Observer's specified target Dec [deg]
ra_nom	77.275380863372	Nominal RA [deg]
dec_nom	-68.725016056469	Nominal Dec [deg]
roll_nom	340.10469436518	Nominal Roll [deg]
revision	3	Processing version of data
ontime	17619.200016394	Sum of GTIs [s]
livetime	17396.095096778	Livetime [s]
ontime4	17619.200016394	Sum of GTIs [s]
ontime5	17619.200016394	Sum of GTIs [s]
ontime6	17619.200016394	Sum of GTIs [s]
ontime7	17619.200016394	Sum of GTIs [s]
ontime8	17619.200016394	Sum of GTIs [s]
ontime9	17615.959056154	Sum of GTIs [s]
l2events	178347	Number of level 2 events

