

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1828 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

See axaff01828N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	73.926

Comments

This spectral extraction is for demonstration purposes. Warning: Very extended source. The zeroth order has been chosen to be a bright knot on the SSE rim of the SNR (sky coordinates x=4055.51, y=4049.5), which is the same position selected as the zeroth order for this obsid in TGCat. Energy calibration of the dispersed spectra only applies to this specific position. 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. Extraction width is as if a point source. 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. Warning: default background regions contain nebular emission.

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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	500008	Sequence number
obs_id	1828	Observation id
title	HIGH RESOLUTION SPECTRA OF EXTRAGALACTIC SUPERNOVA REMNANTS	Propos
observer	Prof Claude Canizares	Principal investigator
object	N132D	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.25875	Observer's specified target RA [deg]
dec_targ	-69.649722	Observer's specified target Dec [deg]
ra_nom	81.251748552629	Nominal RA [deg]
dec_nom	-69.645765093874	Nominal Dec [deg]
roll_nom	144.32406311544	Nominal Roll [deg]
revision	4	Processing version of data
ontime	73925.345381275	Sum of GTIs [s]
livetime	72989.258145558	Livetime [s]
ontime4	73925.386421278	Sum of GTIs [s]
ontime5	73922.063381031	Sum of GTIs [s]
ontime6	73925.263301283	Sum of GTIs [s]
ontime7	73925.345381275	Sum of GTIs [s]
ontime8	73925.22226128	Sum of GTIs [s]
ontime9	73925.181221277	Sum of GTIs [s]
l2events	1070700	Number of level 2 events

