

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 3828 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 19 2012

See axaff03828N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	137.66

Comments

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. The zeroth order position used for `TGCat` processing for this obsid was manually input into this processing for the grating spectral extraction. The zeroth order position used here is approximately at the geometric center of the remnant (sky coordinates $x=4093.59$, $y=4171.18$), not at the position of the brightest X-ray emission.

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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. 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	500307	Sequence number
obs_id	3828	Observation id
title	SNR E0102-72: COMPLETING THE PICTURE	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	1E0102.2-7219	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.0	Observer's specified target RA [deg]
dec_targ	-72.032222	Observer's specified target Dec [deg]
ra_nom	16.007538439474	Nominal RA [deg]
dec_nom	-72.041592559034	Nominal Dec [deg]
roll_nom	294.0322261869	Nominal Roll [deg]
revision	3	Processing version of data
ontime	137657.55851692	Sum of GTIs [s]
livetime	135914.45562355	Livetime [s]
ontime4	137654.3175666	Sum of GTIs [s]
ontime5	137660.79948717	Sum of GTIs [s]
ontime6	137660.79948717	Sum of GTIs [s]
ontime7	137657.55851692	Sum of GTIs [s]
ontime8	137657.55849698	Sum of GTIs [s]
ontime9	137654.31753674	Sum of GTIs [s]
l2events	1416782	Number of level 2 events

