V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 1046 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jan 3 2013

See axaff01046N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.932

Comments

Mega-Warning: Very Extended source - special analysis needed. Comment:
Here the extraction is done just on a bright Si feature near the
northern rim (R6 in Lazendic et al. 2006) and shows a high Si f/r line
ratio. The sky coordinates of the knot used for the zeroth order
position is x=4096.625, y=4284.375. The location was determined by eye.
This extraction is for demonstration purposes.
===
WARNING: Zeroth order selected by pipeline tools is on an emission knot
north of the center of the supernova remnant. The user will need to
select a region or source of interest, then use software tools such as
CIAO to specify the coordinates of the zeroth order source of interest
before running the tools to resolve the dispersed events. The spectral
data supplied in this processing are only energy-calibrated for the
particular emission knot selected. However, it should be noted that the
emission knot that has been selected as the zeroth order source is
filamentary and curved, so the energy assignments to the events should
take the spatial information into account. The zeroth order used for
extracting the spectral data in this processing is not located at the
position of the brightest X-ray emission in the filament. ===
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	500112	Sequence number
obs_id	1046	Observation id
title	HIGH RESOLUTION SPECTRA OF YOUNG SUPERNOVA REMNANTS	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	CAS A	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.866667	Observer's specified target RA [deg]
dec_targ	58.811806	Observer's specified target Dec [deg]
ra_nom	350.87057410748	Nominal RA [deg]
dec_nom	58.815806203476	Nominal Dec [deg]
roll_nom	85.955941475223	Nominal Roll [deg]
revision	3	Processing version of data
ontime	69942.277184367	Sum of GTIs [s]
livetime	69056.625956476	Livetime [s]
ontime4	69942.277363926	Sum of GTIs [s]
ontime5	69952.000065133	Sum of GTIs [s]
ontime6	69939.036264166	Sum of GTIs [s]
ontime7	69942.277184367	Sum of GTIs [s]
ontime8	69942.277254239	Sum of GTIs [s]
ontime9	69945.518164635	Sum of GTIs [s]
l2events	8415211	Number of level 2 events