

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1828 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : May 31 2007

See [axaff01828N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	73.926

## Comments

Roll angle constraint of 150 +/- 15 degrees met.

Extended source gratings observation.

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. WARNING::Zeroth order selected by pipeline tools is on a bright outer filament southwest 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.

seq_num	500008
obs_id	1828
title	HIGH RESOLUTION SPECTRA OF EXTRAGALACTIC SUPERNOVA REMNANTS
observer	Prof. Claude Canizares
object	N132D
dtcycle	0
cycle	P
ra_targ	81.25875
dec_targ	-69.649722
ra_nom	81.251748552629
dec_nom	-69.645765093874
roll_nom	144.32406311544
revision	3
ontime	73926.400068849
livetime	72990.299478044
ontime4	73926.400068849
ontime5	73923.159108609
ontime6	73926.400068849
ontime7	73926.400068849
ontime8	73926.400068849
ontime9	73926.400068849
l2events	1073538

