

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 11091 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

See axaff11091N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.069708829284

Comments

Roll constraint met. ===

Source is extended with structure. The zeroth order used for extracting the spectral data in this processing is located at the centroid of the SNR, but is not located at the position of the brightest X-ray emission in the supernova remnant.

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. ===

The sub-array configuration chosen and the off-center placement of the target eliminate counts from the soft ends of the spectral arms for both HEG negative (>7A) and MEG positive (>15A) orders.

seq_num	501181	Sequence number
obs_id	11091	Observation id
title	CHANDRA CYCLE 11 SPATIAL AND SPECTRAL MONITORING OF SNR1987A	Propo
observer	Prof. David Burrows	Principal investigator
object	SNR 1987A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.866667	Observer's specified target RA [deg]
dec_targ	-69.26975	Observer's specified target Dec [deg]
ra_nom	83.861865924024	Nominal RA [deg]
dec_nom	-69.265200142215	Nominal Dec [deg]
roll_nom	78.902129976354	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29069.708826542	Sum of GTIs [s]
livetime	27923.719383061	Livetime [s]
ontime4	29069.749866545	Sum of GTIs [s]
ontime5	29069.667786539	Sum of GTIs [s]
ontime6	29069.626746535	Sum of GTIs [s]
ontime7	29069.708826542	Sum of GTIs [s]
ontime8	29069.585706532	Sum of GTIs [s]
ontime9	29069.544666529	Sum of GTIs [s]
l2events	91175	Number of level 2 events

