

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 13131 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

See [axaff13131N002-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	27.569

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	13131	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	83.861853856388	Nominal RA [deg]
dec_nom	-69.265224565534	Nominal Dec [deg]
roll_nom	78.902122207129	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27569.0	Sum of GTIs [s]
livetime	26482.171674479	Livetime [s]
ontime4	27569.0	Sum of GTIs [s]
ontime5	27569.0	Sum of GTIs [s]
ontime6	27567.958979905	Sum of GTIs [s]
ontime7	27569.0	Sum of GTIs [s]
ontime8	27569.0	Sum of GTIs [s]
ontime9	27569.0	Sum of GTIs [s]
l2events	85968	Number of level 2 events

