

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 10222 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

See axaff10222N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.274700547814

## Comments

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 eliminates counts from the soft ends of the spectral arms for both HEG (>9A) and MEG (>19A).

seq_num	501149	Sequence number
obs_id	10222	Observation id
title	Chandra Cycle 10 Spatial and Spectral Monitoring of SNR 1987A	Prop
observer	Prof. David Burrows	Principal investigator
object	SNR 1987A	Source name
dtcycle	0	&#160
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	83.853214867409	Nominal RA [deg]
dec_nom	-69.270564457145	Nominal Dec [deg]
roll_nom	158.14404437402	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25274.700547814	Sum of GTIs [s]
livetime	24365.640645898	Livetime [s]
ontime4	25274.700547814	Sum of GTIs [s]
ontime5	25274.700547814	Sum of GTIs [s]
ontime6	25274.700547814	Sum of GTIs [s]
ontime7	25274.700547814	Sum of GTIs [s]
ontime8	25274.700547814	Sum of GTIs [s]
ontime9	25274.692753136	Sum of GTIs [s]
l2events	91997	Number of level 2 events

