

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 9144 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 2012

See axaff09144N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.5941009

## Comments

Warning: Extended source, dia ~ 3 arc seconds; nominal extraction includes whole source and could be narrowed to reduce background. Extraction is centered in supernova remnant, but is not positioned at any of the brighter emission regions. Wavelength calibration only applies to the zeroth order position selected for this processing by the automatic software tool tgdetect. User may want to select a specific emission knot or region, then use that position as th zeroth order to re-extract the spectrum, starting at tg\_create\_mask.

===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	501005	Sequence number
obs_id	9144	Observation id
title	AO9 Chandra Monitoring of SNR 1987A	Proposal title
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	83.853527131097	Nominal RA [deg]
dec_nom	-69.27108388139	Nominal Dec [deg]
roll_nom	164.36285878584	Nominal Roll [deg]
revision	2	Processing version of data
ontime	43594.100944877	Sum of GTIs [s]
livetime	42026.143727971	Livetime [s]
ontime4	43594.100944877	Sum of GTIs [s]
ontime5	43594.100944877	Sum of GTIs [s]
ontime6	43592.95990485	Sum of GTIs [s]
ontime7	43594.100944877	Sum of GTIs [s]
ontime8	43594.100944877	Sum of GTIs [s]
ontime9	43591.818894565	Sum of GTIs [s]
l2events	141373	Number of level 2 events

