

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 10221 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 29 2012

See axaff10221N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.4282004

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.

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The sub-array configuration chosen eliminates counts from the soft ends of

the spectral arms for both HEG (>9A) and MEG (>19A).

===Obsid 10130 used for cross-calibration purposes. ===

seq_num	501148	Sequence number
obs_id	10221	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	
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	83.880251882179	Nominal RA [deg]
dec_nom	-69.269758565918	Nominal Dec [deg]
roll_nom	328.1693307251	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19428.200421095	Sum of GTIs [s]
livetime	18729.422687377	Livetime [s]
ontime4	19428.200421095	Sum of GTIs [s]
ontime5	19428.200421095	Sum of GTIs [s]
ontime6	19428.200421095	Sum of GTIs [s]
ontime7	19428.200421095	Sum of GTIs [s]
ontime8	19428.200421095	Sum of GTIs [s]
ontime9	19428.200421095	Sum of GTIs [s]
l2events	67591	Number of level 2 events

