

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 21037 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 15 2018

See axaff21037N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.127400182128

## Comments

Roll constraint met. 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.  
====WARNING::Zeroth order selected by pipeline tools is well-centered in the supernova remnant but is not at the position(s) of brightest emission. The user may want to select a region or source of interest, then use software tools such as CIAO to specify the coordinates of the zeroth order source of interest before running the tools to resolve the dispersed events.

seq_num	503016	Sequence number
obs_id	21037	Observation id
title	High Resolution Spectroscopy of SN 1987A	Proposal title
observer	SANGWOOK PARK	Principal investigator
object	SN 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	83.876114033019	Nominal RA [deg]
dec_nom	-69.275202838547	Nominal Dec [deg]
roll_nom	255.16546123174	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30127.400182128	Sum of GTIs [s]
livetime	29417.233555586	Livetime [s]
ontime4	30127.400845051	Sum of GTIs [s]
ontime5	30127.359142065	Sum of GTIs [s]
ontime6	30127.318102121	Sum of GTIs [s]
ontime7	30127.400182128	Sum of GTIs [s]
ontime8	30123.795061707	Sum of GTIs [s]
ontime9	30127.236022115	Sum of GTIs [s]
l2events	212225	Number of level 2 events

