

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20927 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 14 2018

See axaff20927N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.040388000727

## Comments

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	20927	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	83.876229124307	Nominal RA [deg]
dec_nom	-69.275315267186	Nominal Dec [deg]
roll_nom	255.16552235835	Nominal Roll [deg]
revision	1	Processing version of data
ontime	17040.388000727	Sum of GTIs [s]
livetime	16638.709967166	Livetime [s]
ontime4	17040.42904067	Sum of GTIs [s]
ontime5	17040.346960664	Sum of GTIs [s]
ontime6	17038.564890623	Sum of GTIs [s]
ontime7	17040.388000727	Sum of GTIs [s]
ontime8	17040.264880657	Sum of GTIs [s]
ontime9	17040.223840714	Sum of GTIs [s]
l2events	116766	Number of level 2 events

