

V&V Summary Report

L2 ASCDS Version : 10.4.1

Observation 16756 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 18 2015

See axaff16756N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.09.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.081887479663

Comments

The SIM dy drift of 9.54 arcsec is acceptable.

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. Target is offset in the subarray so that the plus HEG and minus MEG spectral arms have larger wavelength regions on the detector than the minus HEG and plus MEG arms. This should be considered when combining the data from the spectral arms.

seq_num	502274	Sequence number
obs_id	16756	Observation id
title	CHANDRA CYCLE 16 SPATIAL AND SPECTRAL MONITORING OF SN 1987A	Propo
observer	Prof. David Burrows	Principal investigator
object	SN 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	83.859318268761	Nominal RA [deg]
dec_nom	-69.268037600392	Nominal Dec [deg]
roll_nom	90.11086928534	Nominal Roll [deg]
revision	1	Processing version of data
ontime	69081.887479663	Sum of GTIs [s]
livetime	66597.206257124	Livetime [s]
ontime4	69081.928519607	Sum of GTIs [s]
ontime5	69081.8464396	Sum of GTIs [s]
ontime6	69081.805399656	Sum of GTIs [s]
ontime7	69081.887479663	Sum of GTIs [s]
ontime8	69081.764359593	Sum of GTIs [s]
ontime9	69081.72331965	Sum of GTIs [s]
l2events	179328	Number of level 2 events

