

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 1387 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 19 2009

See axaff01387N001-VV001\_vvref2.pdf for the full report

V&V Scientist	Dan Dewey
V&V Date (YYYY-MM-DD)	2009.11.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.673

## Comments

Source at zeroth-order has ~ 400+ counts; dispersed events not visible in simple ds9 view, but can be seen in order-sorting plots.

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No CTI correction has been applied to these data because the correction has not been derived for temperatures warmer than -120 degrees C.  
[ FP\_TEMP is about -109.2 C ]

HOWEVER, we have employed the new gain model applicable to the UN-CTI-CORRECTED BI chips, including S1, which is the one that had by far the worst gain behavior in previous processings. THAT chip, very important for lower-energy order-sorting with HETG/ACIS-S, is much improved now (flatter distribution on the order-sorting plots).

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seq_num	500011	Sequence number
obs_id	1387	Observation id
title	HIGH RESOLUTION SPECTROSCOPY OF SN 1987A	Proposal title
observer	Prof Gordon Garmire	Principal investigator
object	SN 1987A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.867917	Observer's specified target RA
dec_targ	-69.270278	Observer's specified target Dec
ra_nom	83.877261076715	Nominal RA
dec_nom	-69.266521406579	Nominal Dec
roll_nom	72.021269627891	Nominal Roll
revision	3	Processing version of data
ontime	69772.718144558	Sum of GTIs [s]
livetime	68889.213975325	Livetime [s]
ontime4	69775.959104776	Sum of GTIs [s]
ontime5	69775.959104769	Sum of GTIs [s]
ontime6	69772.718124628	Sum of GTIs [s]
ontime7	69772.718144558	Sum of GTIs [s]
ontime8	69779.200064987	Sum of GTIs [s]
ontime9	69772.718144558	Sum of GTIs [s]
l2events	805249	Number of level 2 events

