

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 764 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00764N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.557

## Comments

Charge time for this ObsId remains at previous value of 26.557 ksec, although with the current processing the charge time would have been 26.497 ksec.

==

The last 13 ksec of this observation had an elevated count rate due to a high radiation environment. Some of this time period is not included in the GTI, but not all of the affected data are marked as bad. User should examine this time interval carefully before using the data.

===

The focal plane temperature is approximately -110 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T\_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives

spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

seq_num	500060	Sequence number
obs_id	764	Observation id
title	PROMPT AXAF OBSERVATIONS OF NEARBY SUPERNOVAE	Proposal title
observer	Prof. Walter Lewin	Principal investigator
object	SN1999em	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.367738	Observer's specified target RA
dec_targ	-2.860653	Observer's specified target Dec
ra_nom	70.367240069851	Nominal RA
dec_nom	-2.8606659470502	Nominal Dec
roll_nom	45.419590410231	Nominal Roll
revision	4	Processing version of data
ontime	26497.708699398	Sum of GTIs [s]
livetime	25907.028450721	Livetime [s]
ontime2	25569.838088855	Sum of GTIs [s]
ontime3	25919.629487969	Sum of GTIs [s]
ontime6	26390.928180784	Sum of GTIs [s]
ontime7	26497.708699398	Sum of GTIs [s]
ontime8	26595.279233426	Sum of GTIs [s]
l2events	637108	Number of level 2 events

