

# V&V Summary Report

## L2 ASCDS Version : 8.3.2.1

Observation 242 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2010

See axaff00242N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.512

## Comments

A high radiation environment existed between 40-50 ksec into the observation, affecting the threshold and events.

===

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 depend on the most accurate spectral response (ie: fitting line-rich 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	600002	Sequence number
obs_id	242	Observation id
title	ACIS IMAGING OF SGR A* AND THE GALACTIC CENTER	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SGR A*	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA
dec_targ	-29.007778	Observer's specified target Dec
ra_nom	266.41399232791	Nominal RA
dec_nom	-29.012711639499	Nominal Dec
roll_nom	268.73989983633	Nominal Roll
revision	3	Processing version of data
ontime	46509.347836591	Sum of GTIs [s]
livetime	45920.418469717	Livetime [s]
ontime0	46577.407003164	Sum of GTIs [s]
ontime1	46668.154537492	Sum of GTIs [s]
ontime2	46331.093718693	Sum of GTIs [s]
ontime3	46509.347836591	Sum of GTIs [s]
ontime6	47037.627112977	Sum of GTIs [s]
ontime7	49137.777425237	Sum of GTIs [s]
l2events	826053	Number of level 2 events

