

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 509 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00509N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.168

Comments

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	800017	Sequence number
obs_id	509	Observation id
title	THE MASSIVE COOLING FLOW IN IRAS09104_4109	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	IRAS 09104	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	138.439583	Observer's specified target RA
dec_targ	40.941389	Observer's specified target Dec
ra_nom	138.44736359963	Nominal RA
dec_nom	40.953126896506	Nominal Dec
roll_nom	71.982003458214	Nominal Roll
revision	4	Processing version of data
ontime	9164.8000085354	Sum of GTIs [s]
livetime	9048.7497924473	Livetime [s]
ontime2	9164.8000085354	Sum of GTIs [s]
ontime3	9164.8000085354	Sum of GTIs [s]
ontime6	9164.8000085354	Sum of GTIs [s]
ontime7	9164.8000085354	Sum of GTIs [s]
ontime8	9164.8000085354	Sum of GTIs [s]
l2events	101381	Number of level 2 events

