

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 501 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00501N001-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.164

Comments

Focal plane temperature is approximately -110 C degrees during this observation. ACIS has not been calibrated at this temperature, because the focal plan temperature of -119.7 C degrees became the standard shortly

after the start of the mission. Both front and back illuminated chips are affected.

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.

This reprocessing

of the data applies no CTI correction because none is available for this temperature.

seq_num	800009	Sequence number
obs_id	501	Observation id
title	THE MASSIVE COOLING FLOW IN A2390	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	A2390	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.402083	Observer's specified target RA
dec_targ	17.695833	Observer's specified target Dec
ra_nom	328.40254529131	Nominal RA
dec_nom	17.682721470061	Nominal Dec
roll_nom	280.51029008396	Nominal Roll
revision	4	Processing version of data
ontime	9163.8889131621	Sum of GTIs [s]
livetime	9047.8502339121	Livetime [s]
ontime2	9163.8478731588	Sum of GTIs [s]
ontime3	9163.7657931596	Sum of GTIs [s]
ontime6	9163.8068331629	Sum of GTIs [s]
ontime7	9163.8889131621	Sum of GTIs [s]
ontime8	9163.7247531638	Sum of GTIs [s]
l2events	94068	Number of level 2 events

