

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 910 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 25 2009

See [axaff00910N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.168

## 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	800086	Sequence number
obs_id	910	Observation id
title	STUDY OF A NEW CLASS OF MASS CONCENTRATIONS IN THE UNIVERSE	Propos
observer	Dr Alexey Vikhlinin	Principal investigator
object	RX J1159+5531	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.963333	Observer's specified target RA
dec_targ	55.532222	Observer's specified target Dec
ra_nom	179.99433992863	Nominal RA
dec_nom	55.562352477474	Nominal Dec
roll_nom	63.303022519199	Nominal Roll
revision	4	Processing version of data
ontime	19166.834944636	Sum of GTIs [s]
livetime	18924.132939684	Livetime [s]
ontime0	19166.958064631	Sum of GTIs [s]
ontime1	19163.676064417	Sum of GTIs [s]
ontime2	19157.153074056	Sum of GTIs [s]
ontime3	19166.834944636	Sum of GTIs [s]
ontime7	19166.999104634	Sum of GTIs [s]
l2events	134716	Number of level 2 events

