

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 553 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See [axaff00553N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.961

## Comments

Roll preference met.===

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	800061	Sequence number
obs_id	553	Observation id
title	ACIS STUDY OF DARK MATTER IN CLUSTERS	Proposal title
observer	Prof Gordon Garmire	Principal investigator
object	ABELL 2218	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.983333	Observer's specified target RA
dec_targ	66.2125	Observer's specified target Dec
ra_nom	248.98897871499	Nominal RA
dec_nom	66.160401312402	Nominal Dec
roll_nom	315.46343396394	Nominal Roll
revision	3	Processing version of data
ontime	5958.4000055492	Sum of GTIs [s]
livetime	5882.9511569612	Livetime [s]
ontime0	5958.4000055492	Sum of GTIs [s]
ontime1	5958.4000055492	Sum of GTIs [s]
ontime2	5958.4000055492	Sum of GTIs [s]
ontime3	5958.4000055492	Sum of GTIs [s]
ontime6	5958.4000055492	Sum of GTIs [s]
ontime7	5958.4000055492	Sum of GTIs [s]
l2events	51515	Number of level 2 events

