

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 541 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 25 2009

See [axaff00541N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.555

## 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	800049	Sequence number
obs_id	541	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	V1416+4446	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.12	Observer's specified target RA
dec_targ	44.778	Observer's specified target Dec
ra_nom	214.18671408633	Nominal RA
dec_nom	44.805633249426	Nominal Dec
roll_nom	32.573174858063	Nominal Roll
revision	4	Processing version of data
ontime	31551.813401759	Sum of GTIs [s]
livetime	31152.285342244	Livetime [s]
ontime0	31551.959039249	Sum of GTIs [s]
ontime1	31555.177501887	Sum of GTIs [s]
ontime2	31548.654551461	Sum of GTIs [s]
ontime3	31551.813401759	Sum of GTIs [s]
ontime6	31551.85446167	Sum of GTIs [s]
l2events	158935	Number of level 2 events

