

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 556 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00556N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.772

Comments

ACIS-S calibration of extended hard source.

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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	890001	Sequence number
obs_id	556	Observation id
title	CALIBRATION OBSERVATION OF AN EXTENDED HARD SOURCE: THE COMA CLUSTER	
observer	Dr. CXC Calibration	Principal investigator
object	COMA CLUSTER	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.95	Observer's specified target RA
dec_targ	27.966667	Observer's specified target Dec
ra_nom	194.95563691174	Nominal RA
dec_nom	27.967441308849	Nominal Dec
roll_nom	31.545027980067	Nominal Roll
revision	4	Processing version of data
ontime	9772.4802271351	Sum of GTIs [s]
livetime	9648.735198218	Livetime [s]
ontime2	9772.4391871318	Sum of GTIs [s]
ontime3	9769.1161768362	Sum of GTIs [s]
ontime6	9772.398147136	Sum of GTIs [s]
ontime7	9772.4802271351	Sum of GTIs [s]
ontime8	9772.315957427	Sum of GTIs [s]
l2events	323516	Number of level 2 events

