

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 555 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00555N001\\_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	8.777

## Comments

ACIS-I calibration with hard extended 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	890000	Sequence number
obs_id	555	Observation id
title	CALIBRATION OBSERVATION OF AN EXTENDED HARD SOURCE: THE COMA CLUSTER	&#160
observer	Dr. CXC Calibration	Principal investigator
object	COMA CLUSTER	Source name
dtcycle	0	&#160
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	194.95597652055	Nominal RA
dec_nom	27.967481883345	Nominal Dec
roll_nom	32.065113089818	Nominal Roll
revision	4	Processing version of data
ontime	8774.4000081718	Sum of GTIs [s]
livetime	8663.2932719589	Livetime [s]
ontime0	8774.4000081718	Sum of GTIs [s]
ontime1	8774.4000081718	Sum of GTIs [s]
ontime2	8774.4000081718	Sum of GTIs [s]
ontime3	8774.4000081718	Sum of GTIs [s]
ontime7	8774.4000081718	Sum of GTIs [s]
l2events	239471	Number of level 2 events

