

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 576 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

See [axaff00576N001\\_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	19.776

## 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	890021	Sequence number
obs_id	576	Observation id
title	DEMONSTRATION SPECTRUM OF A COOLING FLOW CLUSTER: HYDRA A	Proposal
observer	Dr. CXC Calibration	Principal investigator
object	HYDRA A	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.52375	Observer's specified target RA
dec_targ	-12.095833	Observer's specified target Dec
ra_nom	139.52666828758	Nominal RA
dec_nom	-12.091724697482	Nominal Dec
roll_nom	77.920526354913	Nominal Roll
revision	4	Processing version of data
ontime	19774.754846945	Sum of GTIs [s]
livetime	19524.354994146	Livetime [s]
ontime2	19774.713806942	Sum of GTIs [s]
ontime3	19774.631726943	Sum of GTIs [s]
ontime6	19771.431806728	Sum of GTIs [s]
ontime7	19774.754846945	Sum of GTIs [s]
ontime8	19768.108796448	Sum of GTIs [s]
l2events	353375	Number of level 2 events

