

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 575 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See [axaff00575N001_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	24.099

Comments

Charge time for this ObsId remains at previous value of 24.099 ksec, although with the current processing the charge time would have been 24.163 ksec.

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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	890020	Sequence number
obs_id	575	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	
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	139.5267299975	Nominal RA
dec_nom	-12.091429885335	Nominal Dec
roll_nom	79.502767187545	Nominal Roll
revision	4	Processing version of data
ontime	24163.064994209	Sum of GTIs [s]
livetime	23857.097716001	Livetime [s]
ontime0	24163.188114204	Sum of GTIs [s]
ontime1	24159.90611399	Sum of GTIs [s]
ontime2	24163.106034204	Sum of GTIs [s]
ontime3	24163.064994209	Sum of GTIs [s]
ontime7	24163.200022504	Sum of GTIs [s]
l2events	325235	Number of level 2 events

