

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 578 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00578N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.033

Comments

Elevated count rate during first 500 s for unknown reasons. Star in slot 4 was not tracked for a short period of time during an onboard procedure, but the quality of the aspect solution was not degraded.

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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

effect.

seq_num	890023	Sequence number
obs_id	578	Observation id
title	DEMONSTRATION IMAGES OF CLUSTERS	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	3C295	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.834	Observer's specified target RA
dec_targ	52.2058	Observer's specified target Dec
ra_nom	212.83391033466	Nominal RA
dec_nom	52.200526449841	Nominal Dec
roll_nom	293.85120158386	Nominal Roll
revision	3	Processing version of data
ontime	19032.505374886	Sum of GTIs [s]
livetime	18791.50433183	Livetime [s]
ontime2	19012.977653377	Sum of GTIs [s]
ontime3	19012.936533608	Sum of GTIs [s]
ontime5	19032.464334883	Sum of GTIs [s]
ontime6	19022.577304237	Sum of GTIs [s]
ontime7	19032.505374886	Sum of GTIs [s]
ontime8	19022.618354253	Sum of GTIs [s]
l2events	299275	Number of level 2 events

