

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 160 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00160N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.753

Comments

ACIS response to a continuum source. Standard candle observation.

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The focal plane temperature is approximately -100 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	590028	Sequence number
obs_id	160	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I0, T=100, Offsets=5,-5,0 Off-ax]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA
dec_targ	-10.568528	Observer's specified target Dec
ra_nom	278.47962789912	Nominal RA
dec_nom	-10.499030392595	Nominal Dec
roll_nom	264.40450977628	Nominal Roll
revision	3	Processing version of data
ontime	9756.8000090867	Sum of GTIs [s]
livetime	9633.253532532	Livetime [s]
ontime0	9756.8000090867	Sum of GTIs [s]
ontime1	9756.8000090867	Sum of GTIs [s]
ontime2	9756.8000090867	Sum of GTIs [s]
ontime3	9756.8000090867	Sum of GTIs [s]
ontime6	9756.8000090867	Sum of GTIs [s]
ontime7	9756.8000090867	Sum of GTIs [s]
l2events	109690	Number of level 2 events

