

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 1443 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See axaff01443N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.779

## Comments

Off-axis effective area measurement on chip I2.

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Slot 7 was not utilized in this observation.

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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	580393	Sequence number
obs_id	1443	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I2, T=110, Offsets=5,3,0]	Source name
dtcycle	0	&#160
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	278.3088856199	Nominal RA
dec_nom	-10.509315073947	Nominal Dec
roll_nom	285.88353350952	Nominal Roll
revision	4	Processing version of data
ontime	9776.0000091046	Sum of GTIs [s]
livetime	9652.2104105888	Livetime [s]
ontime0	9776.0000091046	Sum of GTIs [s]
ontime1	9776.0000091046	Sum of GTIs [s]
ontime2	9776.0000091046	Sum of GTIs [s]
ontime3	9776.0000091046	Sum of GTIs [s]
ontime7	9776.0000091046	Sum of GTIs [s]
l2events	92426	Number of level 2 events

