

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 1442 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

See axaff01442N001_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	9.772

Comments

Off-axis effective area measurement on I1.

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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	580392	Sequence number
obs_id	1442	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I1, T=110, Offsets=-3,-5,0]	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	278.48420227216	Nominal RA
dec_nom	-10.599652347701	Nominal Dec
roll_nom	285.7406365236	Nominal Roll
revision	4	Processing version of data
ontime	9772.2943377793	Sum of GTIs [s]
livetime	9648.5516627051	Livetime [s]
ontime0	9772.3353777751	Sum of GTIs [s]
ontime1	9772.2943377793	Sum of GTIs [s]
ontime2	9772.253297776	Sum of GTIs [s]
ontime3	9772.2122577801	Sum of GTIs [s]
ontime7	9772.3764177784	Sum of GTIs [s]
l2events	89833	Number of level 2 events

