

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 163 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See [axaff00163N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.035

Comments

Off-axis effective area measurement for S0

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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.

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Slot 7 was not utilized for a guide star in this observation.

seq_num	590031	Sequence number
obs_id	163	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S0, T=100, Offsets=23,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.45598	Observer's specified target RA
dec_targ	-10.182345	Observer's specified target Dec
ra_nom	278.46525175826	Nominal RA
dec_nom	-10.208518117887	Nominal Dec
roll_nom	260.37973200422	Nominal Roll
revision	3	Processing version of data
ontime	10032.000009343	Sum of GTIs [s]
livetime	9904.9687846795	Livetime [s]
ontime2	10032.000009343	Sum of GTIs [s]
ontime3	10032.000009343	Sum of GTIs [s]
ontime4	10028.759049132	Sum of GTIs [s]
ontime5	10032.000009343	Sum of GTIs [s]
ontime6	10032.000009343	Sum of GTIs [s]
ontime7	10032.000009343	Sum of GTIs [s]
l2events	242708	Number of level 2 events

