V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 167 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See axaff00167N001_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	9.756

Comments

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Off-axis effective area measurement on chip S5.
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Elevated count rate during first 6 ksec of observation due to high
radiation environment.
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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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seq_num	590035	Sequence number
obs_id	167	Observation id
title	ACIS CHIP RESPONSE TO A CONTINUUM SOURCE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S5, T=100, Offsets=-19,0,0]	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.336589	Observer's specified target RA
dec_targ	-10.880885	Observer's specified target Dec
ra_nom	278.34628339482	Nominal RA
dec_nom	-10.906919590657	Nominal Dec
roll_nom	261.22218298671	Nominal Roll
revision	4	Processing version of data
ontime	9753.6000090837	Sum of GTIs [s]
livetime	9630.0940528559	Livetime [s]
ontime2	9753.6000090837	Sum of GTIs [s]
ontime3	9753.6000090837	Sum of GTIs [s]
ontime6	9753.6000090837	Sum of GTIs [s]
ontime7	9753.6000090837	Sum of GTIs [s]
ontime8	9753.6000090837	Sum of GTIs [s]
ontime9	9753.6000090837	Sum of GTIs [s]
l2events	201599	Number of level 2 events