

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1095 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01095N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.355

Comments

Target very off-axis on S3.

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Only 3 of 5 guide stars were acquired for this 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	480045	Sequence number
obs_id	1095	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	85.49027709332	Nominal RA
dec_nom	-69.653765028481	Nominal Dec
roll_nom	113.27389887429	Nominal Roll
revision	5	Processing version of data
ontime	2355.094001621	Sum of GTIs [s]
livetime	2325.2723833051	Livetime [s]
ontime0	2355.0529915392	Sum of GTIs [s]
ontime1	2355.0119515434	Sum of GTIs [s]
ontime2	2354.9709115401	Sum of GTIs [s]
ontime3	2354.9298715442	Sum of GTIs [s]
ontime6	2354.8888315409	Sum of GTIs [s]
ontime7	2355.094001621	Sum of GTIs [s]
l2events	117659	Number of level 2 events

