

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1087 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff01087N001_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	0.752

Comments

Target is very off-axis on I3.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star from the solution.

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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

seq_num	480037	Sequence number
obs_id	1087	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	84.372750536795	Nominal RA
dec_nom	-69.768619233087	Nominal Dec
roll_nom	114.48856515041	Nominal Roll
revision	3	Processing version of data
ontime	752.00000070035	Sum of GTIs [s]
livetime	742.47772389145	Livetime [s]
ontime0	752.00000070035	Sum of GTIs [s]
ontime1	752.00000070035	Sum of GTIs [s]
ontime2	752.00000070035	Sum of GTIs [s]
ontime3	752.00000070035	Sum of GTIs [s]
ontime6	752.00000070035	Sum of GTIs [s]
ontime7	752.00000070035	Sum of GTIs [s]
l2events	30037	Number of level 2 events

