

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1070 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff01070N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.76

Comments

Target very off-axis, on chip 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.

seq_num	480020	Sequence number
obs_id	1070	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	85.542298180257	Nominal RA
dec_nom	-70.096068173168	Nominal Dec
roll_nom	116.96449530342	Nominal Roll
revision	3	Processing version of data
ontime	1758.4618396908	Sum of GTIs [s]
livetime	1736.195137058	Livetime [s]
ontime4	1758.4618396908	Sum of GTIs [s]
ontime5	1758.5028796867	Sum of GTIs [s]
ontime6	1758.3386997655	Sum of GTIs [s]
ontime7	1758.5438997671	Sum of GTIs [s]
ontime8	1758.4207996875	Sum of GTIs [s]
ontime9	1758.3797397688	Sum of GTIs [s]
l2events	133048	Number of level 2 events

