

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1078 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See [axaff01078N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.763

Comments

Target is very off-axis on S4. Subarray was used but not documented in OCAT. Aim point is off the 1/4 subarray, but target is on.

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Charge time for this ObsId remains at previous value of 0.763 ksec, although with the current processing the charge time would have been 0.762 ksec.

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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

effect.

seq_num	480028	Sequence number
obs_id	1078	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	84.617574175943	Nominal RA
dec_nom	-69.639469110788	Nominal Dec
roll_nom	115.78503267	Nominal Roll
revision	3	Processing version of data
ontime	762.00000189245	Sum of GTIs [s]
livetime	736.80139421045	Livetime [s]
ontime4	762.00000189245	Sum of GTIs [s]
ontime5	762.00000189245	Sum of GTIs [s]
ontime6	762.00000189245	Sum of GTIs [s]
ontime7	762.00000189245	Sum of GTIs [s]
ontime8	762.00000189245	Sum of GTIs [s]
ontime9	762.00000189245	Sum of GTIs [s]
l2events	30814	Number of level 2 events

