

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1089 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff01089N001_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	0.758

Comments

Target is very off-axis on I2.

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Charge time for this ObsId remains at previous value of 0.758 ksec, although with the current processing the charge time would have been 0.755 ksec.

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Guide stars in slots 6 and 7 were not acquired for this observation.

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During this observation, software was uploaded to enlarge the search boxes for the fid lights. The software did not affect 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	480039	Sequence number
obs_id	1089	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	84.532155444235	Nominal RA
dec_nom	-69.88992051669	Nominal Dec
roll_nom	114.58902925918	Nominal Roll
revision	3	Processing version of data
ontime	755.20000070333	Sum of GTIs [s]
livetime	745.63720356758	Livetime [s]
ontime0	755.20000070333	Sum of GTIs [s]
ontime1	755.20000070333	Sum of GTIs [s]
ontime2	755.20000070333	Sum of GTIs [s]
ontime3	755.20000070333	Sum of GTIs [s]
ontime6	755.20000070333	Sum of GTIs [s]
ontime7	755.20000070333	Sum of GTIs [s]
l2events	31898	Number of level 2 events

