

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1090 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01090N001_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	1.036

Comments

Target is very off-axis on I0.

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Charge time for this ObsId remains at previous value of 1.036 ksec, although with the current processing the charge time would have been 1.033 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 depend on the most accurate spectral response should not notice an

seq_num	480040	Sequence number
obs_id	1090	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	84.178455861512	Nominal RA
dec_nom	-69.945346803844	Nominal Dec
roll_nom	114.33780667331	Nominal Roll
revision	3	Processing version of data
ontime	1033.6000009626	Sum of GTIs [s]
livetime	1020.5119353912	Livetime [s]
ontime0	1033.6000009626	Sum of GTIs [s]
ontime1	1033.6000009626	Sum of GTIs [s]
ontime2	1033.6000009626	Sum of GTIs [s]
ontime3	1033.6000009626	Sum of GTIs [s]
ontime6	1033.6000009626	Sum of GTIs [s]
ontime7	1033.6000009626	Sum of GTIs [s]
l2events	50460	Number of level 2 events

