

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1088 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See axaff01088N001_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	0.761

Comments

Target is very off-axis on I1.

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Charge time for this ObsId remains at previous value of 0.761 ksec, although with the current processing the charge time would have been 0.758 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	480038	Sequence number
obs_id	1088	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	84.020485222449	Nominal RA
dec_nom	-69.823094929553	Nominal Dec
roll_nom	114.13715332632	Nominal Roll
revision	3	Processing version of data
ontime	758.40000070632	Sum of GTIs [s]
livetime	748.79668324372	Livetime [s]
ontime0	758.40000070632	Sum of GTIs [s]
ontime1	758.40000070632	Sum of GTIs [s]
ontime2	758.40000070632	Sum of GTIs [s]
ontime3	758.40000070632	Sum of GTIs [s]
ontime6	758.40000070632	Sum of GTIs [s]
ontime7	758.40000070632	Sum of GTIs [s]
l2events	37169	Number of level 2 events

