V&V Summary Report
L2 ASCDS Version : 8.1.2

Observation 1072 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 16 2009

See axaff01072N001_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	0.755

Comments

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Target very off-axis, on S1. Bias file for chip S1 suffers from several
artifacts. Node 0 has several columns with elevated adu values. Node 1
has quite a number of isolated bright pixels.
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Charge time for this ObsId remains at previous value of 0.755 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
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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	480022	Sequence number
obs_id	1072	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
dtycycle	0	&#160
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	85.170427973616	Nominal RA
dec_nom	-69.991669020576	Nominal Dec
roll_nom	116.56061737868	Nominal Roll
revision	3	Processing version of data
ontime	758.40000070632	Sum of GTIs [s]
livetime	748.79668324372	Livetime [s]
ontime4	758.40000070632	Sum of GTIs [s]
ontime5	758.40000070632	Sum of GTIs [s]
ontime6	758.40000070632	Sum of GTIs [s]
ontime7	758.40000070632	Sum of GTIs [s]
ontime8	758.40000070632	Sum of GTIs [s]
ontime9	758.40000070632	Sum of GTIs [s]
l2events	63698	Number of level 2 events