

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 1422 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 20 2009

See axaff01422N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.172

Comments

PSF measurement.

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The focal plane temperature is approximately -110 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	480372	Sequence number
obs_id	1422	Observation id
title	Measure of PSF wings	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	84.928633912683	Nominal RA
dec_nom	-69.741311093998	Nominal Dec
roll_nom	48.283246464774	Nominal Roll
revision	4	Processing version of data
ontime	4175.2257581502	Sum of GTIs [s]
livetime	4122.3565355814	Livetime [s]
ontime0	4175.3899181485	Sum of GTIs [s]
ontime1	4175.3488781452	Sum of GTIs [s]
ontime2	4175.3078381494	Sum of GTIs [s]
ontime3	4175.2257581502	Sum of GTIs [s]
ontime6	4175.2667981461	Sum of GTIs [s]
l2events	41765	Number of level 2 events

