

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1783 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Aug 30 2012

See axaff01783N004_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.868

Comments

The focal-plane temperature was set to a temperature of about -109.2 C during this observation and others in the interval from September 17, 1999 to January 29, 2000. The current reprocessing of the data applies no charge-transfer inefficiency (CTI) adjustment to the data because the ACIS CTI adjustment has not been calibrated at this temperature. The CTI adjustment is calibrated for data taken from January 30, 2000 to the present, when the focal-plane temperature is set to -119.7 C. However, if the observation includes one or both back-illuminated CCDs ACIS-S1 and ACIS-S3, then a time-dependent gain adjustment is applied to the data for these CCDs. The ACIS spectral response calibration is less accurate at temperatures of about -109.2 C than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (i.e. fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response (e.g. those interested in imaging or timing analyses) should not notice an effect.

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The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.

seq_num	590209	Sequence number
obs_id	1783	Observation id
title	ACIS CHIP RESPONSE TO LINES WITH E=0.6-1.5 KEV	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=110, Offsets=-5,2,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.091037335626	Nominal RA [deg]
dec_nom	-71.929369044456	Nominal Dec [deg]
roll_nom	100.88552813933	Nominal Roll [deg]
revision	6	Processing version of data
ontime	7868.6816902608	Sum of GTIs [s]
liveltime	7769.0437047474	Livetime [s]
ontime0	7868.5585702658	Sum of GTIs [s]
ontime1	7868.5996102691	Sum of GTIs [s]
ontime2	7868.6406502724	Sum of GTIs [s]
ontime3	7868.6816902608	Sum of GTIs [s]
ontime6	7868.7637702674	Sum of GTIs [s]
ontime7	7868.7227302641	Sum of GTIs [s]
l2events	75528	Number of level 2 events

