

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1786 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 20 2008

See axaff01786N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2008.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.686

## Comments

This calibration observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period.

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This reprocessing of the data applies no CTI correction because none is available for that temperature.

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Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 degrees C for approximately the entire observation.

This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. 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	590212
obs_id	1786
title	ACIS CHIP RESPONSE TO LINES WITH E=0.6-1.5 KEV
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip II, T=110, Offsets=-7,-1,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.861463710488
dec_nom	-71.917184909401
roll_nom	100.37173751674
revision	4
ontime	7680.0000071526
livetime	7582.7512227212
ontime0	7680.0000071526
ontime1	7680.0000071526
ontime2	7680.0000071526
ontime3	7676.7590469122
ontime6	7680.0000071526
ontime7	7680.0000071526
l2events	73534

