

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1784 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 20 2008

See axaff01784N002\_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	7.676

## Comments

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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 for 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 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	590210
obs_id	1784
title	ACIS CHIP RESPONSE TO LINES WITH E=0.6-1.5 KEV
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I3, T=110, Offsets=-4,2,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.106422735885
dec_nom	-71.954086948479
roll_nom	100.77967516565
revision	4
ontime	7673.6000071466
livetime	7576.4322633689
ontime0	7673.6000071466
ontime1	7673.6000071466
ontime2	7673.6000071466
ontime3	7673.6000071466
ontime6	7673.6000071466
ontime7	7673.6000071466
l2events	77484

