

# V&V Summary Report

## L2 ASCDS Version : 7.6.7.1

Observation 59435 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59435N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8001699

## Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. GOs should subtract 1.3 degrees from the reported temperature to determine the true temperature. In addition the FP temperature was not regulating during this period. The FP temperature fluctuated between -121.3 C and -118.8 C during this time. For analysis of line-dominated spectra from the FI CCDs, GOs might notice a systematic gain shift by up to 0.5%, either towards higher/lower energies depending on if the FP temperature was colder/warmer than -119.7 C. Analysis of line-dominated spectra on S3 are mostly unaffected (where mostly unaffected means that the changes are smaller than the current uncertainties in the calibration). Analysis of continuum-dominated spectra on both the FI and BI CCDs are mostly unaffected. Imaging analysis on both the FI and BI CCDs are mostly unaffected.

seq_num	
obs_id	59435
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	339.97607916649
dec_nom	23.972405918243
roll_nom	225.33434534232
revision	2
ontime	7800.1699087024
livetime	7701.3994606199
ontime4	7605.8336510658
ontime5	7800.2109487057
ontime6	7800.251988709
ontime7	7800.1699087024
ontime8	7800.3340686858
ontime9	7767.7189757228
l2events	989885