

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59444 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59444N002_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	7.80474502

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	59444
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	15.169639437865
dec_nom	21.103870699608
roll_nom	139.2956575608
revision	2
ontime	7804.7450283766
livetime	7705.916647374
ontime0	7804.7860683799
ontime1	7804.7999709249
ontime2	7804.7999709249
ontime3	7804.7039883733
ontime6	7804.7999709249
ontime7	7804.7450283766
l2events	1041186