

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59433 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59433N002_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	8.28479996

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	59433
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	349.98236241535
dec_nom	29.275912871538
roll_nom	204.50907776859
revision	2
ontime	8284.7999691367
livetime	8179.8928434199
ontime4	7895.8823730946
ontime5	8284.7999691367
ontime6	8207.0164718032
ontime7	8284.7999691367
ontime8	8275.0770282745
ontime9	8067.6543086767
l2events	1045064