

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59442 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59442N002_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	7.50399997

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	59442
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	346.68234661346
dec_nom	25.176261460729
roll_nom	203.25639290514
revision	2
ontime	7503.9999720454
livetime	7408.9798060331
ontime4	7503.9999720454
ontime5	7503.9999720454
ontime6	7503.9999720454
ontime7	7503.9999720454
ontime8	7503.9999720454
ontime9	7503.9999720454
l2events	955459