

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59439 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59439N002_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	8.22399996

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	59439
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	347.66750338776
dec_nom	25.975305090085
roll_nom	206.14949805102
revision	2
ontime	8223.9999693632
livetime	8119.8627298529
ontime0	8223.9999693632
ontime1	8223.9999693632
ontime2	8223.9999693632
ontime3	8223.9999693632
ontime6	8223.9999693632
ontime7	8223.9999693632
l2events	1061351