

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59441 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59441N002_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	7.80115563

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	59441
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	17.169395587133
dec_nom	22.103581181972
roll_nom	139.87810324521
revision	2
ontime	7801.1556305289
livetime	7702.3727006432
ontime0	7801.1966506243
ontime1	7804.4787207544
ontime2	7804.5197607577
ontime3	7801.1145706177
ontime6	7804.5608007312
ontime7	7801.1556305289
l2events	1004482