

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59449 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59449N002_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	7.79806554

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	59449
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	339.98705193471
dec_nom	21.974072940654
roll_nom	212.2132145755
revision	2
ontime	7798.0655435324
livetime	7699.3217421888
ontime4	7256.9461242259
ontime5	7801.3475837111
ontime6	7438.3995208442
ontime7	7798.0655435324
ontime8	7513.0239576399
ontime9	7418.830768317
l2events	1042179