

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 59427 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 26 2006

See [axaff59427N002_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	7.80734363

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	59427
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	358.98369251828
dec_nom	19.475969438219
roll_nom	204.74651317357
revision	2
ontime	7807.3436338007
livetime	7708.4823476916
ontime0	7807.384673804
ontime1	7804.1847435236
ontime2	7807.4667538106
ontime3	7807.3025937974
ontime6	7807.5077937841
ontime7	7807.3436338007
l2events	1001925