

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 6091 - L2 Version 002
Chandra X-Ray Center

L2 Processing Date: 25 2006

See axaff06091N002_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	30.95416

Comments

Window constraint met.

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	790100
obs_id	6091
title	AO6 Calibration Observations of PKS2155-304
observer	Dr. CXC Calibration
object	PKS2155-304
dtcycle	0
cycle	P
ra_targ	329.716667
dec_targ	-30.225556
ra_nom	329.69858682878
dec_nom	-30.211436121951
roll_nom	313.53930139149
revision	2
ontime	30954.168272465
livetime	29239.876107532
ontime4	30954.168272465
ontime5	30954.176471829
ontime6	30954.217511833
ontime7	30954.168272465
ontime8	30954.258551836
ontime9	30954.29959181
l2events	187221

