

V&V Summary Report

L2 ASCDS Version : 7.6.11.10

Observation 62825 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 12 2009

See [axaff62825N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.04479997

Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and must be derived.===== This observation was taken to verify the ACIS recovery from a DEA anomaly. ACIS was in the focal plane and pointing was at the position of XLSSJ022404.0-041328. The chip configuration is different from that requested by the PI, and the ACIS mode is FAINT as opposed to VFAINT. The stars file used was that of obs5787. Fid in slot 0 radial offset > 0.400000 arcsec Fid in slot 2 radial offset > 0.400000 arcsec 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	800500
obs_id	62825
title	A detailed study of a $z>1$ galaxy cluster
observer	Dr Laurence Jones
object	XLSSJ022404.0-041328
dtcycle	0
cycle	P
ra_targ	36.017083
dec_targ	-4.224694
ra_nom	36.01876054501
dec_nom	-4.2039531532706
roll_nom	90.156755808019
revision	3
ontime	6044.7999774814
livetime	5968.2570804249
ontime0	6044.7999774814
ontime1	6044.7999774814
ontime2	6044.7999774814
ontime3	6044.7999774814
ontime6	6044.7999774814
ontime7	6044.7999774814
l2events	58878

