

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 62550 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See [axaff62550N001_VV002_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	5.341

Comments

ACIS focus and plate scale measurement. Moved SIM to -0.8 mm from nominal focus.

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The guide stars in slots 4 and 6 were excluded from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing these stars from the solution.

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The focal plane temperature is approximately -100 C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not

effect.

seq_num	780213	Sequence number
obs_id	62550	Observation id
title	ACIS Focus Test	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0637-752	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.94	Observer's specified target RA
dec_targ	-75.27	Observer's specified target Dec
ra_nom	98.932606832131	Nominal RA
dec_nom	-75.264676990536	Nominal Dec
roll_nom	136.05508695648	Nominal Roll
revision	4	Processing version of data
ontime	5341.4765047505	Sum of GTIs [s]
livetime	5199.2256898755	Livetime [s]
ontime7	5341.4765047505	Sum of GTIs [s]
l2events	23011	Number of level 2 events

