

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 62552 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Dec 14 2009

See axaff62552N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.212

Comments

ACIS focus test and plate scale measurement. Move SIM to -1.5 mm from nominal focus.

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Slots 4 and 6 were removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing these guide 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	62552	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	98.932623793193	Nominal RA
dec_nom	-75.264781738104	Nominal Dec
roll_nom	136.05510218493	Nominal Roll
revision	4	Processing version of data
ontime	5212.2438225523	Sum of GTIs [s]
livetime	5073.4346505142	Livetime [s]
ontime7	5212.2438225523	Sum of GTIs [s]
l2events	22398	Number of level 2 events

