

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 62556 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See [axaff62556N001_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	4.905

Comments

ACIS focus and plate scale test. Moved ISIM FOCUS to -0.100mm at 226:1925 (172 steps to 105 steps).

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Only 1 of 3 fid lights was acquired for this observation due to operational issues.

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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 depend on the most accurate spectral response should not notice an

seq_num	780213	Sequence number
obs_id	62556	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	98.834695568467	Nominal RA
dec_nom	-75.263294424181	Nominal Dec
roll_nom	136.94964945372	Nominal Roll
revision	4	Processing version of data
ontime	4904.8017775118	Sum of GTIs [s]
livetime	4842.6942240879	Livetime [s]
ontime2	4904.7196975127	Sum of GTIs [s]
ontime3	4904.6786575094	Sum of GTIs [s]
ontime5	4904.7607375085	Sum of GTIs [s]
ontime6	4904.5965775102	Sum of GTIs [s]
ontime7	4904.8017775118	Sum of GTIs [s]
ontime8	4904.6376175135	Sum of GTIs [s]
l2events	111652	Number of level 2 events

