

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 62555 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See [axaff62555N001_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	4.969

Comments

ACIS focus and plate scale measurement. Moved ISIM FOCUS to -0.300mm at 226:2058 (105 steps to -30 steps).

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Only 1 of 3 fid lights were 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

effect.

seq_num	780213	Sequence number
obs_id	62555	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	98.834121673532	Nominal RA
dec_nom	-75.263197156711	Nominal Dec
roll_nom	136.94908927931	Nominal Roll
revision	3	Processing version of data
ontime	4968.5275366455	Sum of GTIs [s]
livetime	4905.6130492884	Livetime [s]
ontime2	4968.4454566464	Sum of GTIs [s]
ontime3	4968.4044166431	Sum of GTIs [s]
ontime5	4968.4864966422	Sum of GTIs [s]
ontime6	4968.3223366439	Sum of GTIs [s]
ontime7	4968.5275366455	Sum of GTIs [s]
ontime8	4968.3633766472	Sum of GTIs [s]
l2events	112993	Number of level 2 events

