

V&V Summary Report

L2 ASCDS Version : 8.2.1

Observation 1111 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jan 13 2010

See axaff01111N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.755

Comments

ACIS off-axis PSF study on I3.

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The fid light intended for slot 2 was actually acquired as a star in slot 4.

So this observation used only 2 fid lights instead of 3 and only 4 guide

stars instead of 5. The aspect solution may be somewhat compromised.

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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

depend on the most accurate spectral response should not notice an effect.

seq_num	780061	Sequence number
obs_id	1111	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS0312-770	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.98	Observer's specified target RA
dec_targ	-76.864167	Observer's specified target Dec
ra_nom	48.352456669517	Nominal RA
dec_nom	-76.83368051882	Nominal Dec
roll_nom	63.885678374408	Nominal Roll
revision	3	Processing version of data
ontime	12754.096370041	Sum of GTIs [s]
livetime	12592.596322209	Livetime [s]
ontime0	12754.219460115	Sum of GTIs [s]
ontime1	12757.419400252	Sum of GTIs [s]
ontime2	12754.13737011	Sum of GTIs [s]
ontime3	12754.096370041	Sum of GTIs [s]
ontime6	12757.296310171	Sum of GTIs [s]
ontime7	12757.501480252	Sum of GTIs [s]
l2events	129926	Number of level 2 events

