

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62269 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 26 2009

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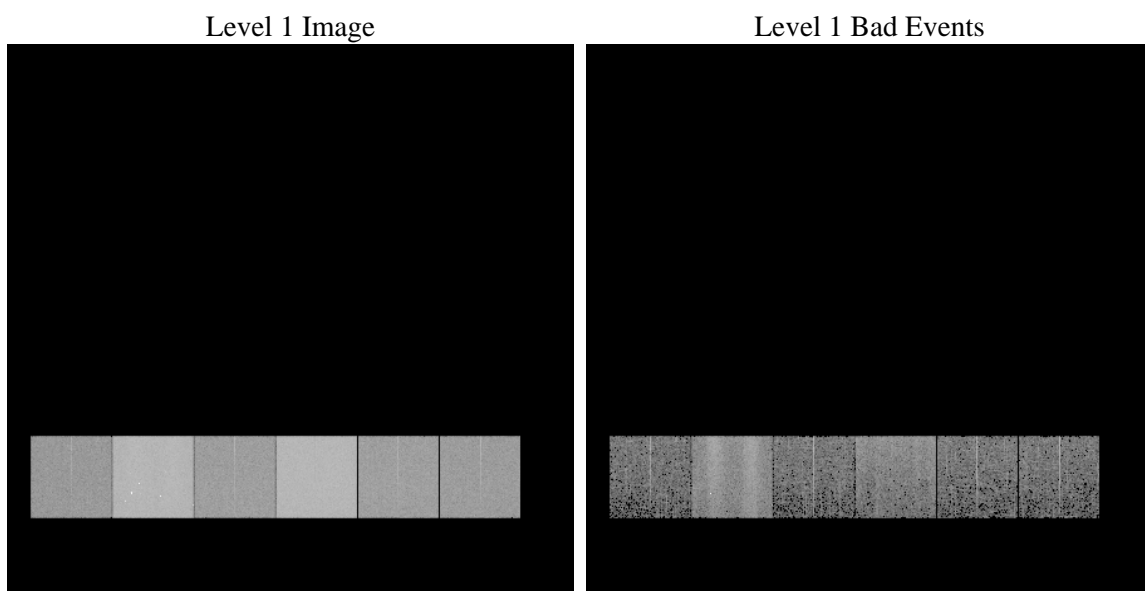
1 Front

seq_num	 	Sequence number
obs_id	62269	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	32.981734835577	Nominal RA
dec_nom	-56.506621490729	Nominal Dec
roll_nom	315.78641281279	Nominal Roll
revision	4	Processing version of data
ontime	2854.4515137151	Sum of GTIs [s]
livetime	2818.3067299041	Livetime [s]
ontime4	1082.5060653239	Sum of GTIs [s]
ontime5	3032.6644624472	Sum of GTIs [s]
ontime6	1218.6297256649	Sum of GTIs [s]
ontime7	2854.4515137151	Sum of GTIs [s]
ontime8	1249.9787751213	Sum of GTIs [s]
ontime9	1172.3990149722	Sum of GTIs [s]
l2events	903254	Number of level 2 events

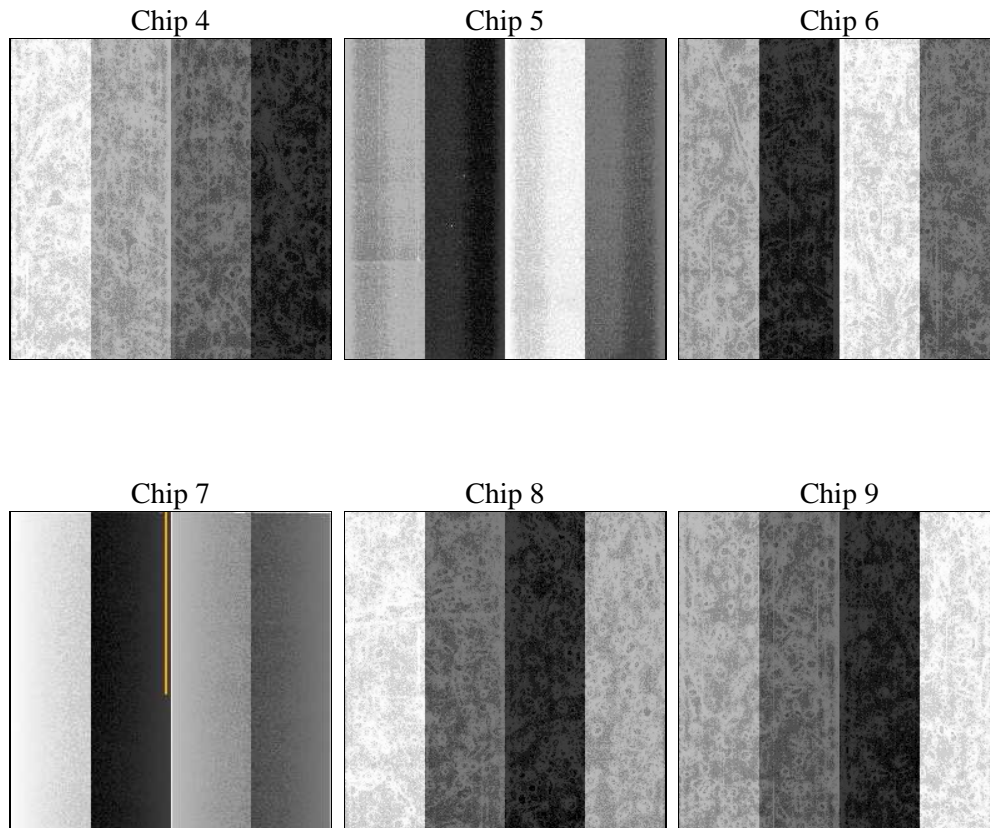
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	105471	288184	126851	293751	131532	118412
rejected events	17128	47727	18200	29078	18479	17808
rejected %	16%	16%	14%	9%	14%	15%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	32.98173483557744	Alternating exposures requested	N	N
Pointing Dec	0	-56.50662149072874	Primary exposure time	3.2	3.2
Pointing Roll	0.0	315.7864128127916			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	61718545.579808	61718544.811357			
Observation start date	1999-12-16T08:02:26	1999-12-16T08:02:24			
Observation end time	61725845.630072	61725844.861621			
Observation end date	1999-12-16T10:04:06	1999-12-16T10:04:04			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8544515137151

A.2 Comments

The focal plane temperature is approximately -110C 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 effect.