

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62255 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Nov 26 2009

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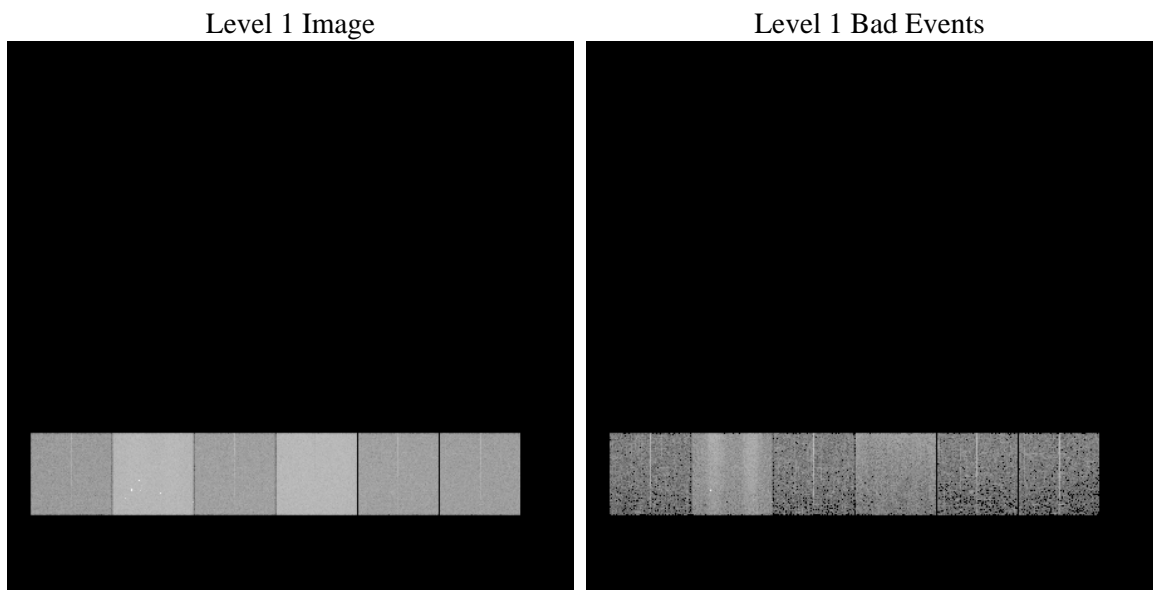
1 Front

seq_num	 	Sequence number
obs_id	62255	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	219.85275509096	Nominal RA
dec_nom	-60.818367068045	Nominal Dec
roll_nom	112.21613484987	Nominal Roll
revision	4	Processing version of data
ontime	2865.6517280191	Sum of GTIs [s]
livetime	2829.3651203506	Livetime [s]
ontime4	1082.5059356913	Sum of GTIs [s]
ontime5	3060.0703750551	Sum of GTIs [s]
ontime6	1228.3527958244	Sum of GTIs [s]
ontime7	2865.6517280191	Sum of GTIs [s]
ontime8	1234.8348159865	Sum of GTIs [s]
ontime9	1205.6654259935	Sum of GTIs [s]
l2events	893523	Number of level 2 events

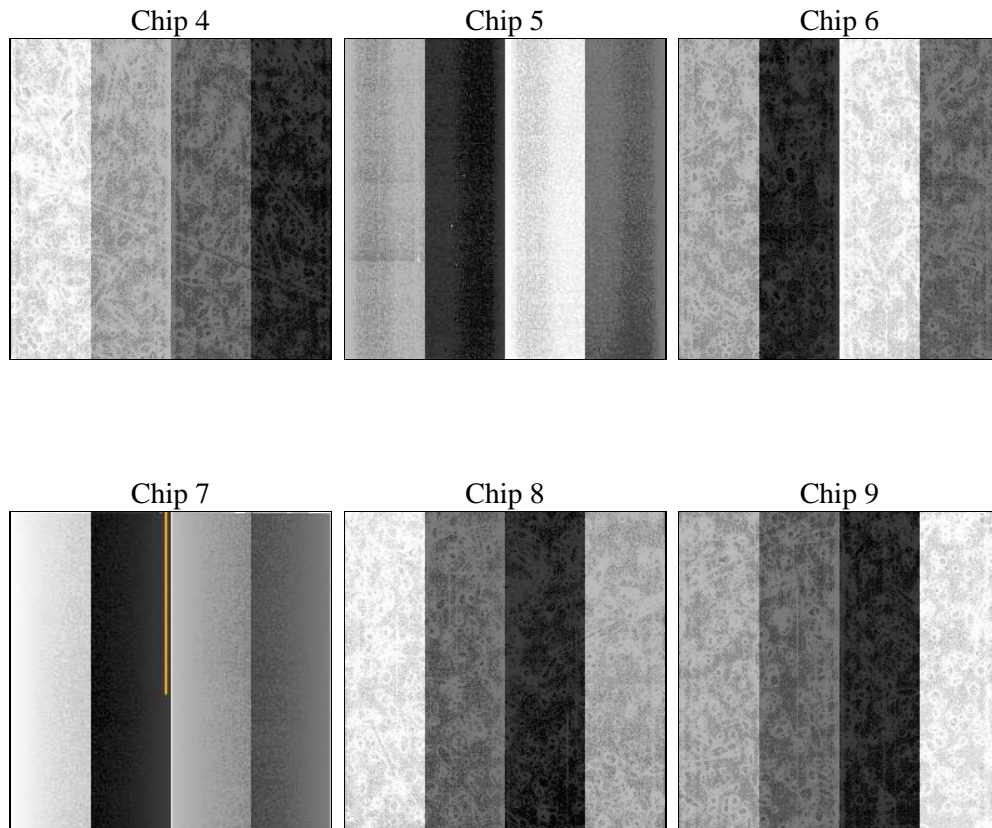
2 OBI

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	105574	287729	127203	294354	128768	120624
rejected events	18278	50689	19792	31689	18902	17607
rejected %	17%	17%	15%	10%	14%	14%

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	219.8527550909596	Alternating exposures requested	N	N
Pointing Dec	0	-60.81836706804464	Primary exposure time	3.2	3.2
Pointing Roll	0.0	112.2161348498683			
SIM focus pos (mm)	-0.684267	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	62403268.154642	62403267.386153			
Observation start date	1999-12-24T06:14:28	1999-12-24T06:14:27			
Observation end time	62411708.004949	62411707.236459			
Observation end date	1999-12-24T08:35:08	1999-12-24T08:35:07			
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)	2010.01.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8656517280191

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.