

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62254 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 26 2009

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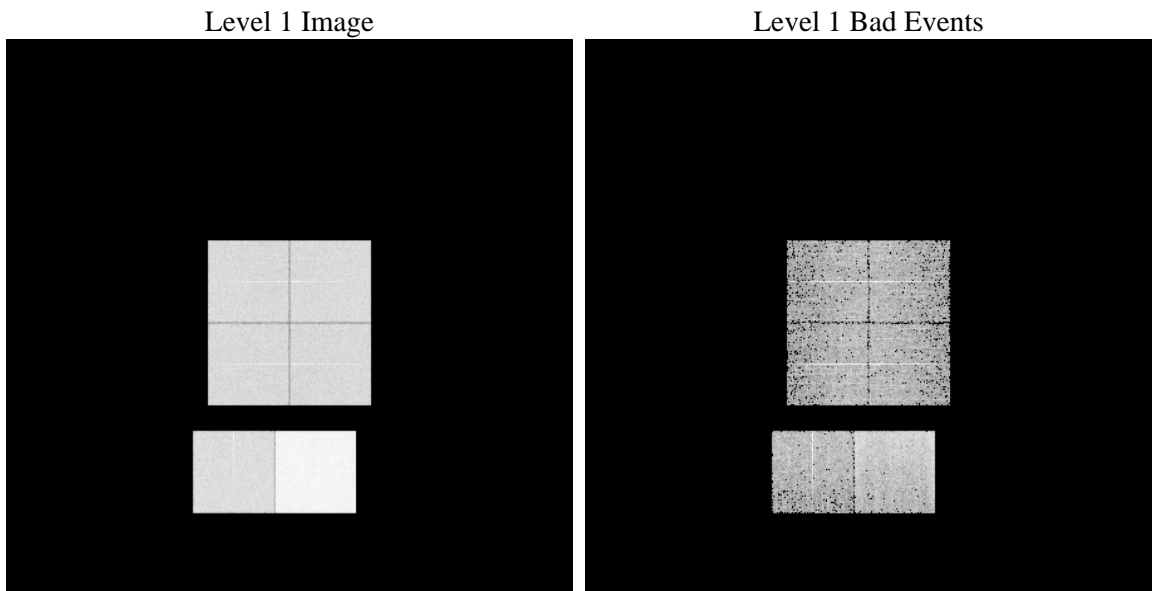
1 Front

seq_num	 	Sequence number
obs_id	62254	Observation id
title	ACIS-012367 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	219.85159530364	Nominal RA
dec_nom	-60.817608920806	Nominal Dec
roll_nom	112.21486892478	Nominal Roll
revision	4	Processing version of data
ontime	3503.5415625498	Sum of GTIs [s]
livetime	3459.1776097053	Livetime [s]
ontime0	1387.1635764837	Sum of GTIs [s]
ontime1	1429.2971464247	Sum of GTIs [s]
ontime2	1351.5122760609	Sum of GTIs [s]
ontime3	1338.5480362475	Sum of GTIs [s]
ontime6	1519.9308761582	Sum of GTIs [s]
ontime7	3503.5415625498	Sum of GTIs [s]
l2events	918310	Number of level 2 events

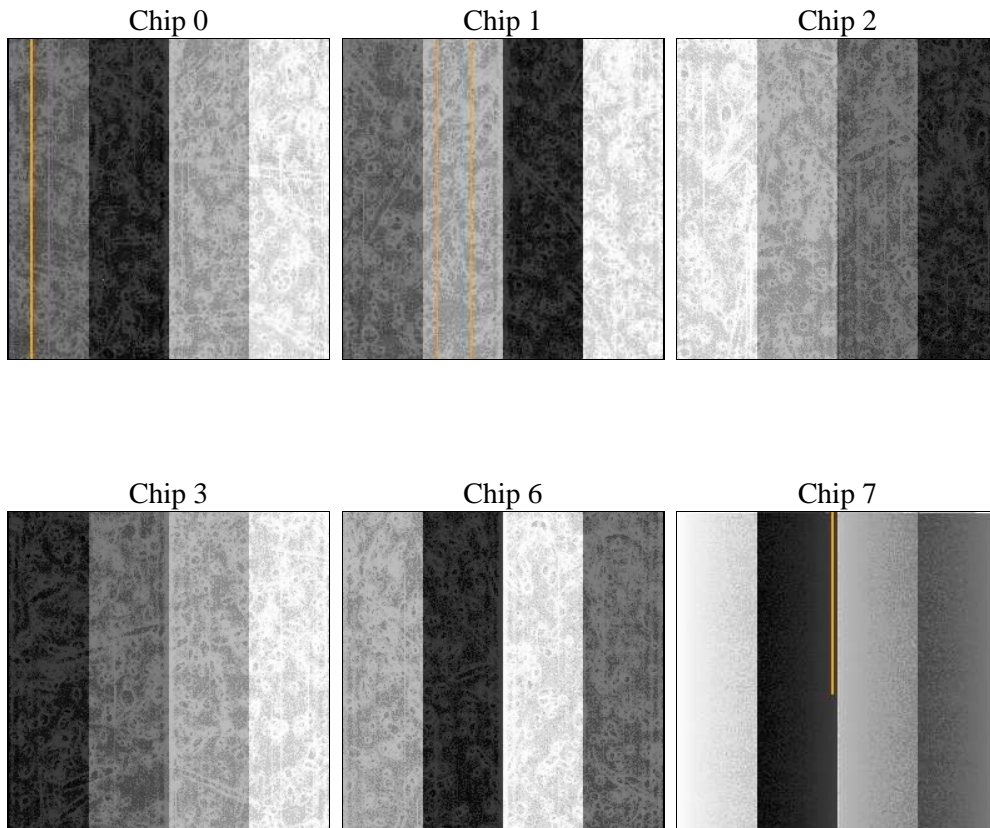
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	3503.5415625498	Sum of GTIs [s]
caldbver	4.1.4	 	ontime0	1387.1635764837	Sum of GTIs [s]
date	2009-11-26T10:10:46	Date and time of file creation	ontime1	1429.2971464247	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1351.5122760609	Sum of GTIs [s]
			ontime3	1338.5480362475	Sum of GTIs [s]
			ontime6	1519.9308761582	Sum of GTIs [s]
			ontime7	3503.5415625498	Sum of GTIs [s]
			l1events	1060457	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	137109	141191	135145	134373	155385	357254	grade 0 events	43036	44622	36280	37534	36756	59266
rejected events	18495	18676	19683	19587	21698	34348		31%	31%	26%	27%	23%	16%
rejected %	13%	13%	14%	14%	13%	9%	grade 1 events	167	203	123	156	159	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	45031	46890	50853	49059	62967	91020
								32%	33%	37%	36%	40%	25%
							grade 3 events	4651	4757	3718	4028	3783	27589
								3%	3%	2%	2%	2%	7%
							grade 4 events	4769	4763	3664	3873	3819	25166
								3%	3%	2%	2%	2%	7%
							grade 5 events	1125	1269	1167	1156	1227	4973
								0%	0%	0%	0%	0%	1%
							grade 6 events	21127	21483	20947	20292	26362	119865
								15%	15%	15%	15%	16%	33%
							grade 7 events	17203	17204	18393	18275	20312	29240
								12%	12%	13%	13%	13%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	219.8515953036363	Alternating exposures requested	N	N
Pointing Dec	0	-60.81760892080604	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	112.214868924782			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	62411708.005	62411707.236459			
Observation start date	1999-12-24T08:35:08	1999-12-24T08:35:07			
Observation end time	62419008.055	62419007.286723			
Observation end date	1999-12-24T10:36:48	1999-12-24T10:36:47			
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	3.5035415625498

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.