

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62704 - L2 Version 3

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

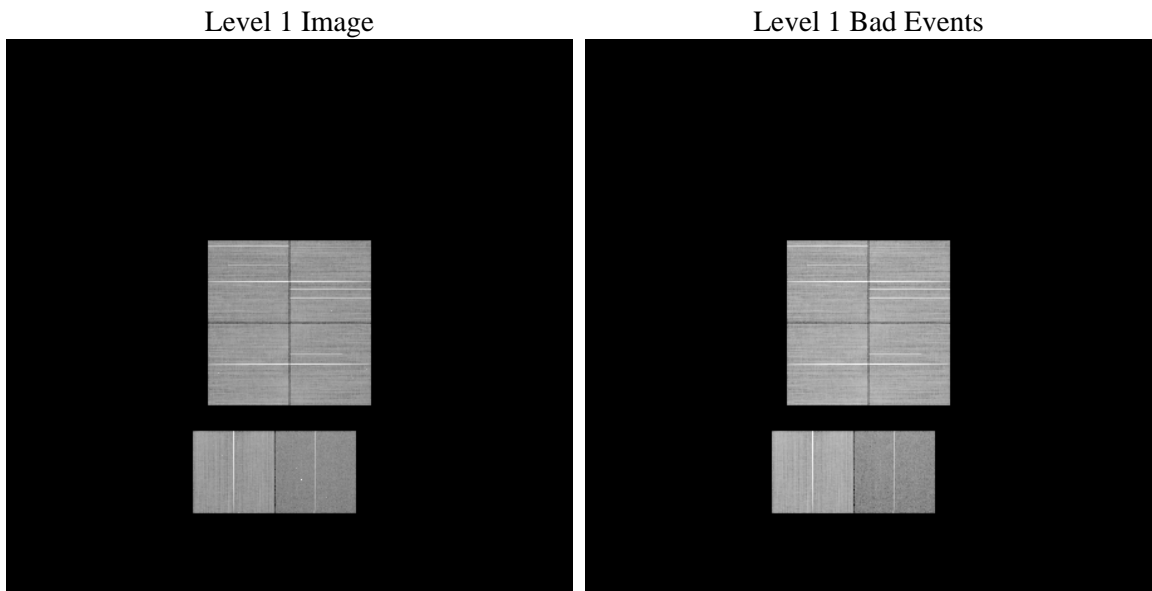
1 Front

seq_num	0	Sequence number
obs_id	62704	Observation id
title	ACIS-I background measurement	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Target RA
dec_targ	0.0	Target Dec
ra_nom	207.69050305492	Nominal RA
dec_nom	-53.277912893708	Nominal Dec
roll_nom	241.6655929926	Nominal Roll
revision	3	Processing version of data
ontime	17324.999984354	Sum of GTIs [s]
livetime	17112.18660907	Livetime [s]
ontime0	17091.133168958	Sum of GTIs [s]
ontime1	17101.156059667	Sum of GTIs [s]
ontime2	17074.775807269	Sum of GTIs [s]
ontime3	17084.839727871	Sum of GTIs [s]
ontime6	17138.336360648	Sum of GTIs [s]
ontime7	17324.999984354	Sum of GTIs [s]
l2events	220206	Number of level 2 events

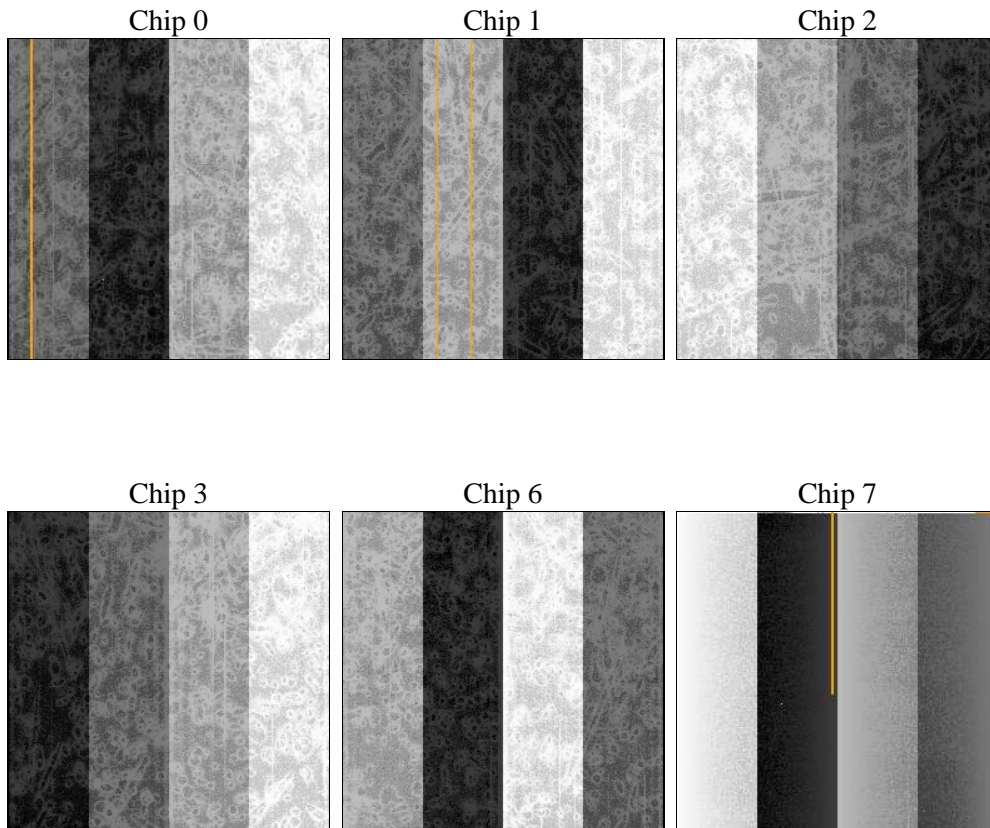
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	ObI number		
ascdsver	8.2.1	ASCDS version number	sched_exp_time	0.0
caldbver	4.1.5	 		Scheduled observation exposure time
date	2010-03-31T21:09:24	Date and time of file creation	ontime	17324.999984354
revision	3	Processing version of data	ontime0	17091.133168958
			ontime1	17101.156059667
			ontime2	17074.775807269
			ontime3	17084.839727871
			ontime6	17138.336360648
			ontime7	17324.999984354
			l1events	2854773
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				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	501940	530593	528777	506441	520600	266422	grade 0 events	13830	14275	12688	13786	12601	13495
rejected events	473661	500493	503035	478727	493173	166561		2%	2%	2%	2%	2%	5%
rejected %	94%	94%	95%	94%	94%	62%	grade 1 events	136	154	124	144	142	179
								0%	0%	0%	0%	0%	0%
							grade 2 events	4852	5170	4384	4874	4738	15950
								0%	0%	0%	0%	0%	5%
							grade 3 events	2367	2633	2136	2247	2355	10152
								0%	0%	0%	0%	0%	3%
							grade 4 events	2263	2591	2122	2228	2309	8654
								0%	0%	0%	0%	0%	3%
							grade 5 events	4500	4755	4225	4588	4999	15335
								0%	0%	0%	0%	0%	5%
							grade 6 events	4967	5431	4412	4579	5424	51610
								0%	1%	0%	0%	1%	19%
							grade 7 events	469025	495584	498686	473995	488032	151047
								93%	93%	94%	93%	93%	56%

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	207.6905030549187	Alternating exposures requested	N	N
Pointing Dec	0	-53.27791289370814	Primary exposure time	0	3.3
Pointing Roll	0.0	241.665592992602			
SIM focus pos (mm)	-0.782348	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-233.592463	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50704504.907	50704503.825945			
Observation start date	1999-08-10T20:35:05	1999-08-10T20:35:03			
Observation stop time	50731284.289	50731282.97689			
Observation end date	1999-08-11T04:01:24	1999-08-11T04:01:22			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.324999984354

A.2 Comments

The focal plane temperature is warmer than -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 chip (ACIS-7) data included here.