

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62567 - 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

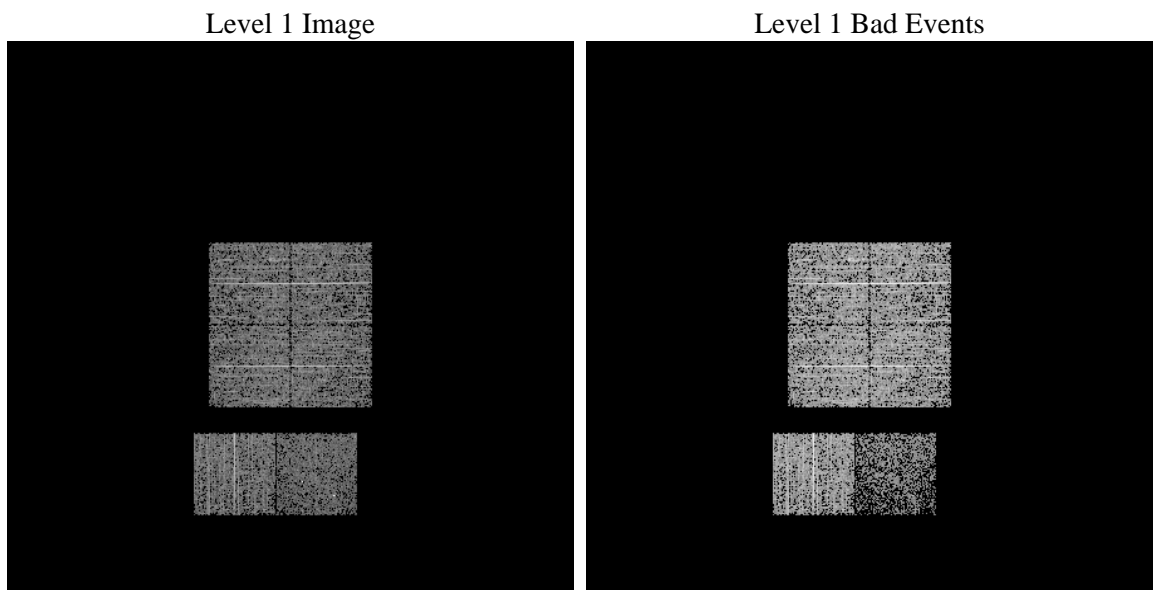
1 Front

seq_num	 	Sequence number
obs_id	62567	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	79.886485761788	Nominal RA
dec_nom	-60.714956059484	Nominal Dec
roll_nom	121.23571046105	Nominal Roll
revision	3	Processing version of data
ontime	1729.1716086864	Sum of GTIs [s]
livetime	1707.9311557674	Livetime [s]
ontime0	1729.1305686831	Sum of GTIs [s]
ontime1	1729.0895286873	Sum of GTIs [s]
ontime2	1729.048488684	Sum of GTIs [s]
ontime3	1729.0074486881	Sum of GTIs [s]
ontime6	1728.9664086848	Sum of GTIs [s]
ontime7	1729.1716086864	Sum of GTIs [s]
l2events	9831	Number of level 2 events

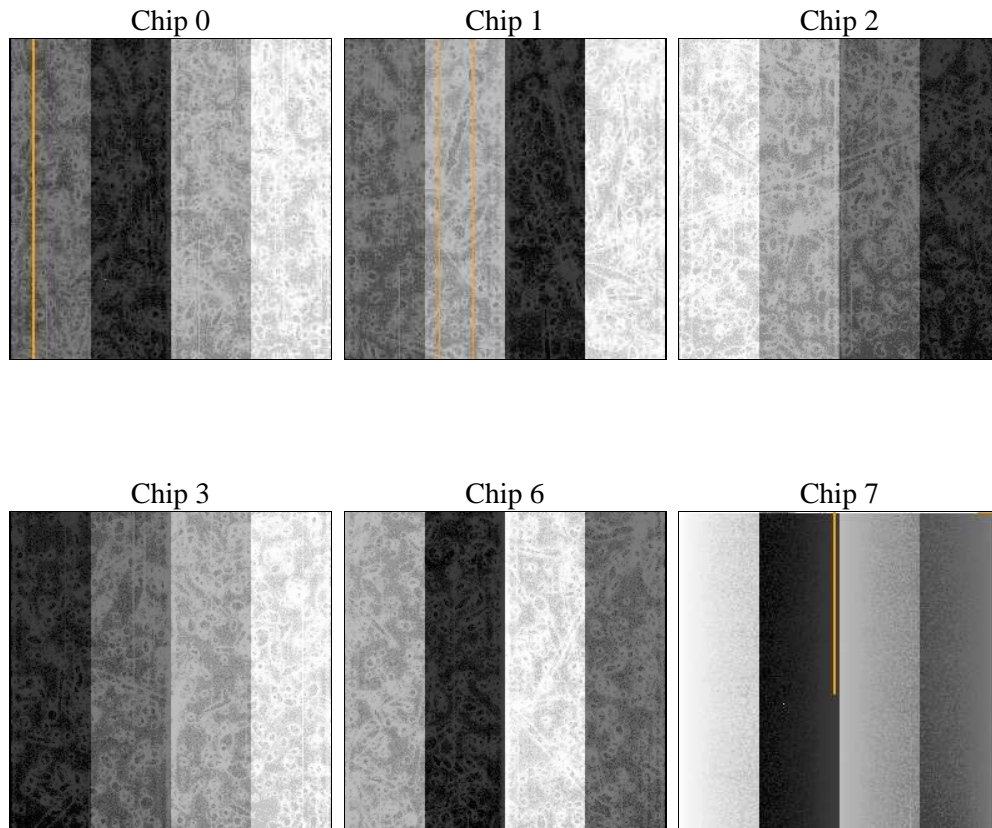
2 OBI

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
caldbver	4.1.5	
date	2010-03-31T21:19:38	Date and time of file creation
revision	3	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	1729.1716086864	Sum of GTIs [s]
ontime0	1729.1305686831	Sum of GTIs [s]
ontime1	1729.0895286873	Sum of GTIs [s]
ontime2	1729.048488684	Sum of GTIs [s]
ontime3	1729.0074486881	Sum of GTIs [s]
ontime6	1728.9664086848	Sum of GTIs [s]
ontime7	1729.1716086864	Sum of GTIs [s]
l1events	89946	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	15756	15661	16239	15678	16112	10500
rejected events	14648	14484	15235	14598	14970	4360
rejected %	92%	92%	93%	93%	92%	41%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	433	468	417	476	451	1309
	2%	2%	2%	3%	2%	12%
grade 1 events	3	6	2	11	11	14
	0%	0%	0%	0%	0%	0%
grade 2 events	221	204	184	188	233	1044
	1%	1%	1%	1%	1%	9%
grade 3 events	144	136	119	123	127	656
	0%	0%	0%	0%	0%	6%
grade 4 events	125	147	105	120	127	569
	0%	0%	0%	0%	0%	5%
grade 5 events	259	281	234	233	222	893
	1%	1%	1%	1%	1%	8%
grade 6 events	185	222	179	173	204	2562
	1%	1%	1%	1%	1%	24%
grade 7 events	14386	14197	14999	14354	14737	3453
	91%	90%	92%	91%	91%	32%

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	79.88648576178757	Alternating exposures requested	N	N
Pointing Dec	0	-60.71495605948417	Primary exposure time	3.3	3.3
Pointing Roll	0.0	121.235710461053			
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	50885110.021	50885106.782317			
Observation start date	1999-08-12T22:45:10	1999-08-12T22:45:06			
Observation end time	50889236.737	50889233.432462			
Observation end date	1999-08-12T23:53:57	1999-08-12T23:53:53			
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	1.7291716086864

A.2 Comments

The focal plane temperature is warmer than -100C 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.