

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62733 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 27 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

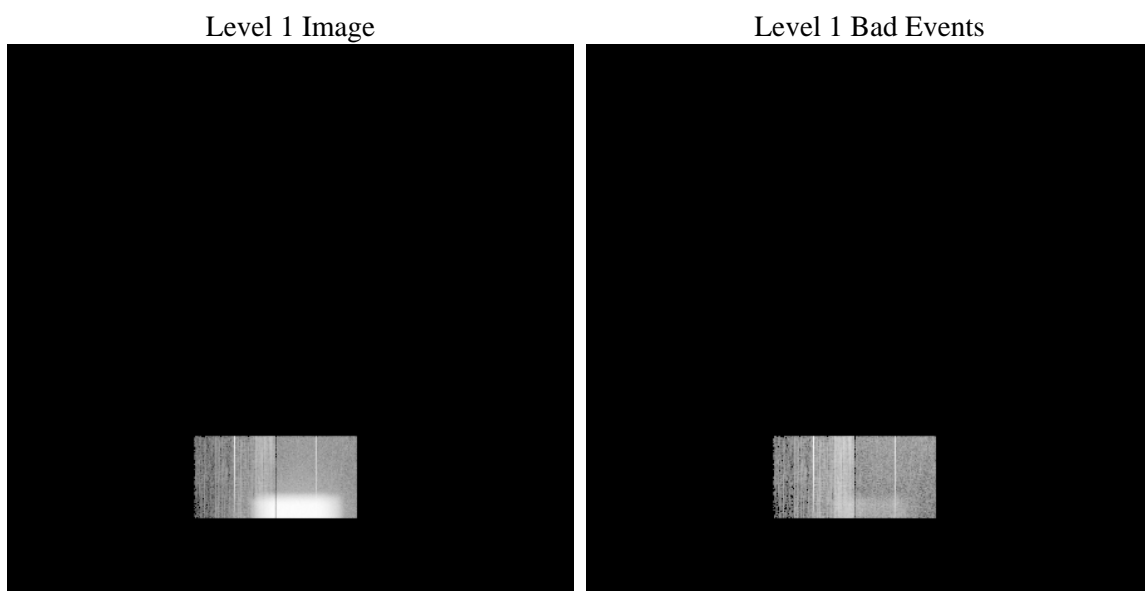
1 Front

seq_num	0	Sequence number
obs_id	62733	Observation id
title	ACIS internal cal	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	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	226.15997682898	Nominal RA
dec_nom	-9.4463590429746	Nominal Dec
roll_nom	243.75597878639	Nominal Roll
revision	4	Processing version of data
ontime	11601.939835221	Sum of GTIs [s]
livetime	11459.426243394	Livetime [s]
ontime0	11642.031317763	Sum of GTIs [s]
ontime1	11645.372277975	Sum of GTIs [s]
ontime2	11645.372277975	Sum of GTIs [s]
ontime3	11642.031317763	Sum of GTIs [s]
ontime6	11642.031297833	Sum of GTIs [s]
ontime7	11601.939835221	Sum of GTIs [s]
l2events	796778	Number of level 2 events

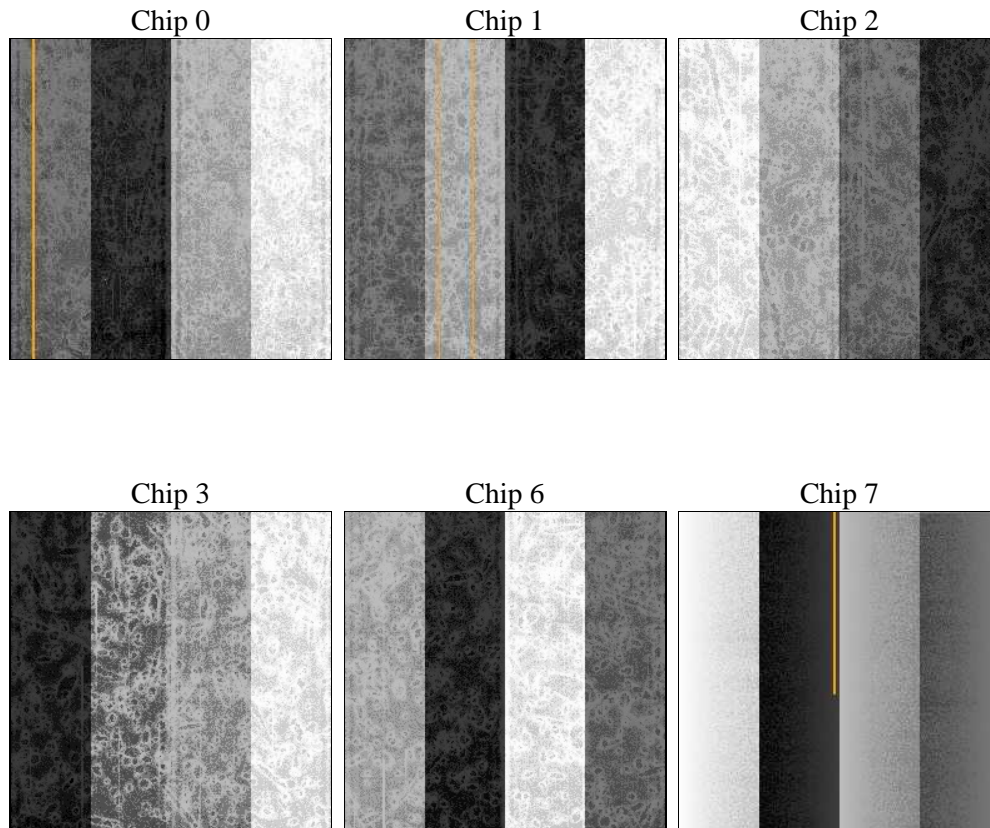
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.3.2	ASCDS version number
caldsver	4.3.0	
date	2010-08-27T20:48:56	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	11601.939835221	Sum of GTIs [s]
ontime0	11642.031317763	Sum of GTIs [s]
ontime1	11645.372277975	Sum of GTIs [s]
ontime2	11645.372277975	Sum of GTIs [s]
ontime3	11642.031317763	Sum of GTIs [s]
ontime6	11642.031297833	Sum of GTIs [s]
ontime7	11601.939835221	Sum of GTIs [s]
l1events	1013110	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	0	269613	743497
rejected events	0	0	0	0	132021	78167
rejected %	0%	0%	0%	0%	48%	10%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	0	59488	147460
	0%	0%	0%	0%	22%	19%
grade 1 events	0	0	0	0	470	704
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	25685	157348
	0%	0%	0%	0%	9%	21%
grade 3 events	0	0	0	0	9630	57878
	0%	0%	0%	0%	3%	7%
grade 4 events	0	0	0	0	9959	57041
	0%	0%	0%	0%	3%	7%
grade 5 events	0	0	0	0	2376	9616
	0%	0%	0%	0%	0%	1%
grade						

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	226.1599768289807	Alternating exposures requested	N	N
Pointing Dec	0	-9.446359042974553	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	243.7559787863895			
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	49976834.48	49976833.75033			
Observation start date	1999-08-02T10:27:14	1999-08-02T10:27:13			
Observation end time	50002455.468	50002454.651214			
Observation end date	1999-08-02T17:34:15	1999-08-02T17:34:14			
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)	2010.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.601939835221

A.2 Comments

This ACIS internal calibration observation was acquired before the ACIS door was open. A reflection of the door is visible in the image.

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Focal plane temperature is warmer than -118.7 C degrees during this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.