

# V&V Reference Report

## L2 ASCDS Version : 8.3.2

Observation 62773 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Aug 27 2010

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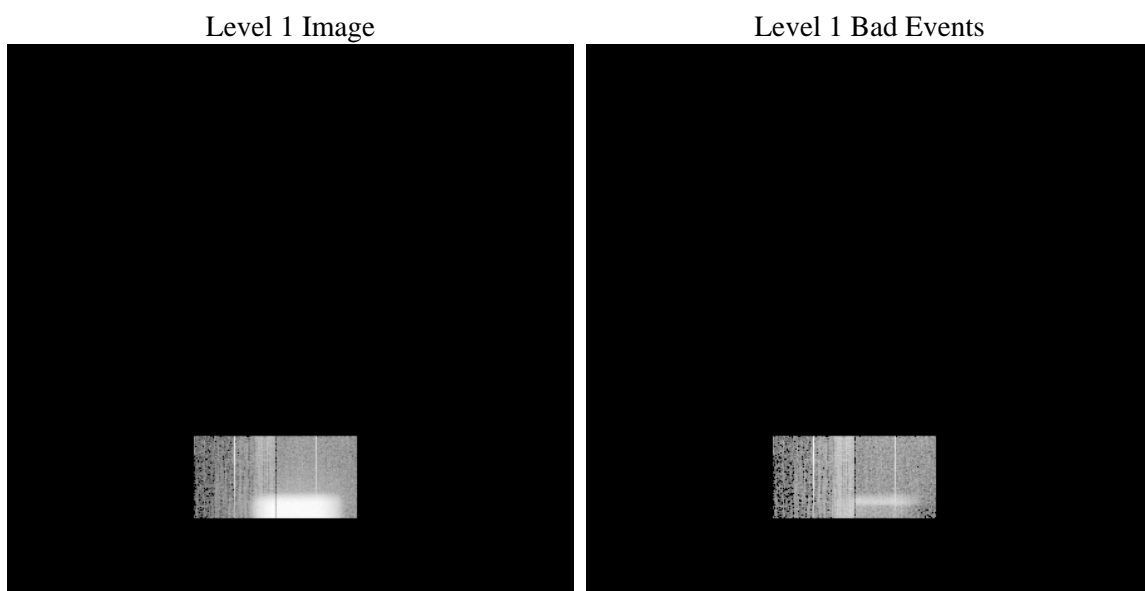
# 1 Front

seq_num	0	Sequence number
obs_id	62773	Observation id
title	ACIS-I internal cal, S2, S3	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	&#160	Source name
dtcycle	0	&#160
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	13.711950909632	Nominal RA
dec_nom	8.225188892633	Nominal Dec
roll_nom	257.0309156955	Nominal Roll
revision	5	Processing version of data
ontime	6097.8726681024	Sum of GTIs [s]
livetime	6022.9688374691	Livetime [s]
ontime0	6906.344064936	Sum of GTIs [s]
ontime1	6906.3032244369	Sum of GTIs [s]
ontime2	6859.4886918291	Sum of GTIs [s]
ontime3	6906.2210546881	Sum of GTIs [s]
ontime6	6932.906788528	Sum of GTIs [s]
ontime7	6097.8726681024	Sum of GTIs [s]
l2events	426780	Number of level 2 events

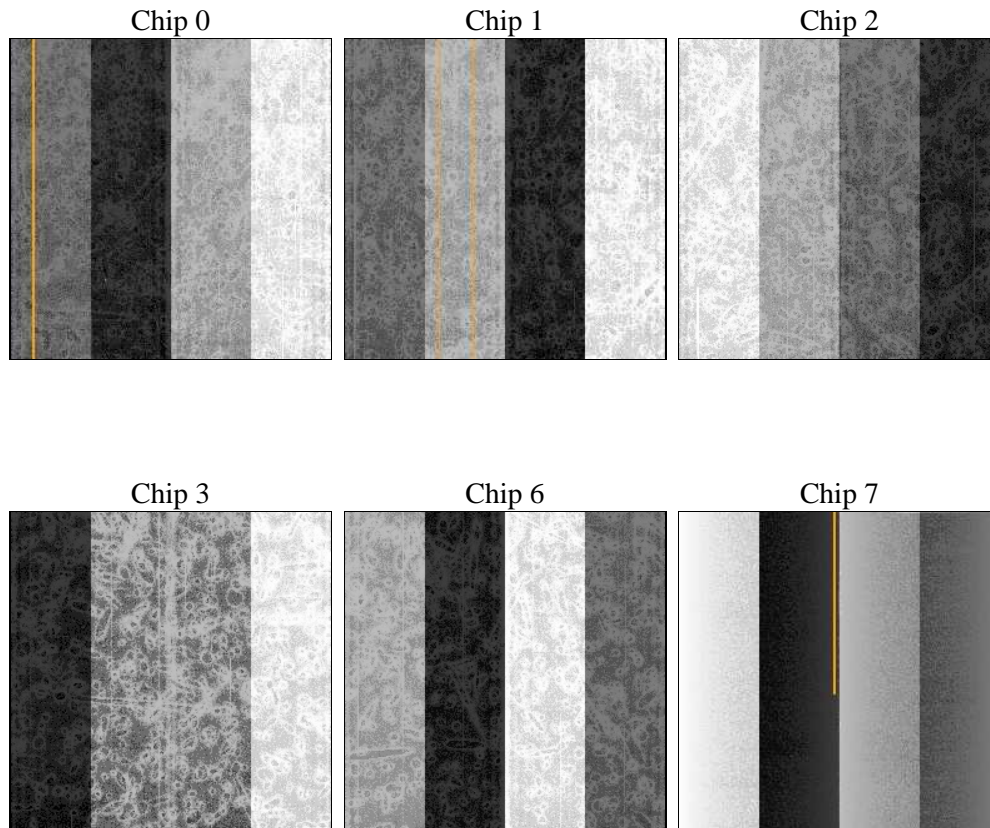
## 2 OBI

### 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	&#160
date	2010-08-27T20:31:56	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	6097.8726681024	Sum of GTIs [s]
ontime0	6906.344064936	Sum of GTIs [s]
ontime1	6906.3032244369	Sum of GTIs [s]
ontime2	6859.4886918291	Sum of GTIs [s]
ontime3	6906.2210546881	Sum of GTIs [s]
ontime6	6932.906788528	Sum of GTIs [s]
ontime7	6097.8726681024	Sum of GTIs [s]
l1events	568051	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	153751	414300
rejected events	0	0	0	0	71861	66208
rejected %	0%	0%	0%	0%	46%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	0	35498	80027
	0%	0%	0%	0%	23%	19%
grade 1 events	0	0	0	0	296	368
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	15640	87669
	0%	0%	0%	0%	10%	21%
grade 3 events	0	0	0	0	5871	31408
	0%	0%	0%	0%	3%	7%
grade 4 events	0	0	0	0	5863	31282
	0%	0%	0%	0%	3%	7%
grade 5 events	0	0	0	0	1445	5485
	0%	0%	0%	0%	0%	1%
grade 6 events	0	0	0	0	19913	138215
	0%	0%	0%	0%	12%	33%
grade 7 events	0	0	0	0	69225	39846
	0%	0%	0%	0%	45%	9%

## 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	13.71195090963245	Alternating exposures requested	N	N
Pointing Dec	0	8.225188892632971	Primary exposure time	0.000000	3.3
Pointing Roll	0.0	257.0309156954987			
SIM focus pos (mm)	-0.782348	0			
SIM defocus (mm)	0	0			
SIM translation stage pos (mm)	-233.592463	0			
SIM translation stage offset (mm)	0	0			
Observation start time	49726394.87	49726393.441812			
Observation start date	1999-07-30T12:53:15	1999-07-30T12:53:13			
Observation end time	49737760.19	49737758.642194			
Observation end date	1999-07-30T16:02:40	1999-07-30T16:02:38			
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	6.0978726681024

## 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.