

# V&V Reference Report

## L2 ASCDS Version : 8.3.2

Observation 62736 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 15 2010

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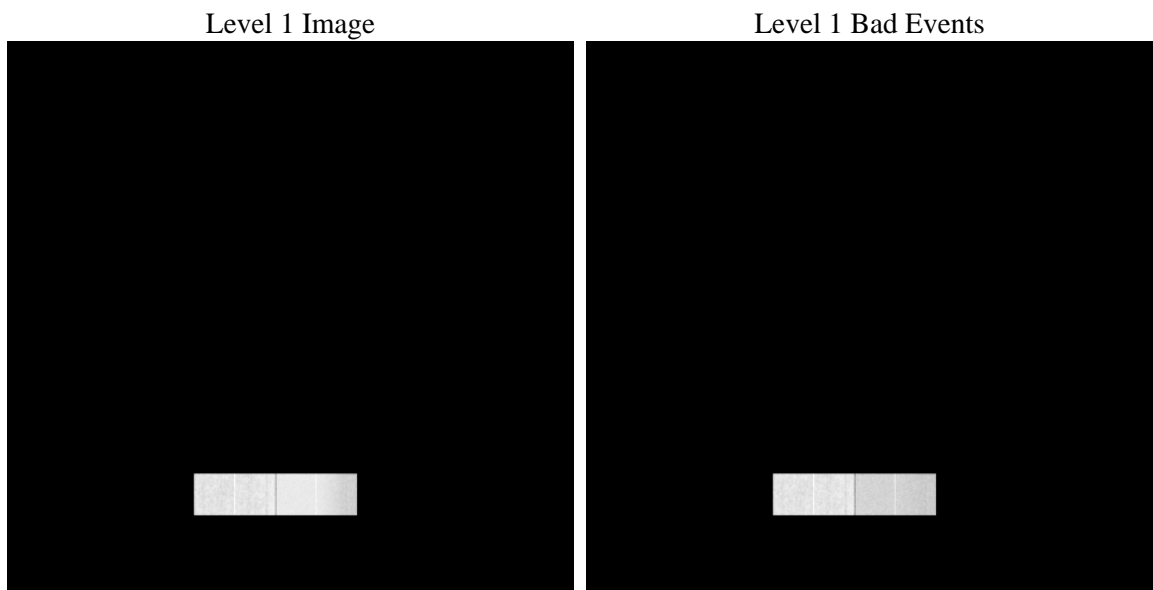
# 1 Front

seq_num	0	Sequence number
obs_id	62736	Observation id
title	ACIS-S CC mode test	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	217.43848237303	Nominal RA
dec_nom	-8.0474702632066	Nominal Dec
roll_nom	251.41233939193	Nominal Roll
revision	4	Processing version of data
ontime	4260.3068920076	Sum of GTIs [s]
livetime	4243.6650682107	Livetime [s]
ontime4	1231.0548766404	Sum of GTIs [s]
ontime5	5130.790849857	Sum of GTIs [s]
ontime6	1493.7101870701	Sum of GTIs [s]
ontime7	4260.3068920076	Sum of GTIs [s]
ontime8	1470.3629080355	Sum of GTIs [s]
ontime9	1457.2304270491	Sum of GTIs [s]
l2events	223626	Number of level 2 events

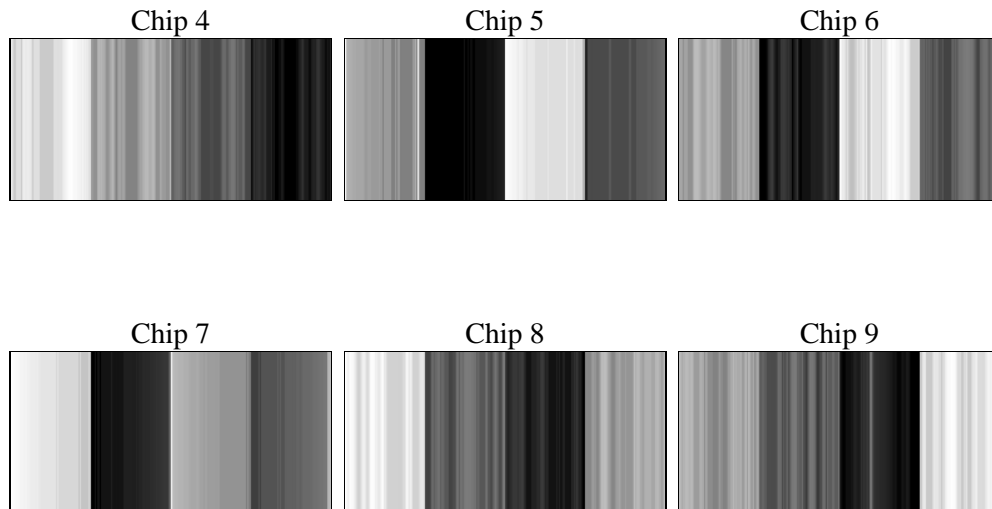
## 2 OBI

### 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
caldbver	4.3.0	&#160
date	2010-08-15T13:14:53	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	4260.3068920076	Sum of GTIs [s]
ontime4	1231.0548766404	Sum of GTIs [s]
ontime5	5130.790849857	Sum of GTIs [s]
ontime6	1493.7101870701	Sum of GTIs [s]
ontime7	4260.3068920076	Sum of GTIs [s]
ontime8	1470.3629080355	Sum of GTIs [s]
ontime9	1457.2304270491	Sum of GTIs [s]
l1events	936010	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	478031	457979	0	0
rejected events	0	0	470294	237787	0	0
rejected %	0%	0%	98%	51%	0%	0%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	8653	52523	0	0
	0%	0%	1%	11%	0%	0%
grade 1 events	0	0	76	175	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	4078	65744	0	0
	0%	0%	0%	14%	0%	0%
grade 3 events	0	0	1989	20555	0	0
	0%	0%	0%	4%	0%	0%
grade 4 events	0	0	1868	20292	0	0
	0%	0%	0%	4%	0%	0%
grade 5 events	0	0	1913	7410	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	5298	107494	0	0
	0%	0%	1%	23%	0%	0%
grade 7 events	0	0	454156	183786	0	0
	0%	0%	95%	40%	0%	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	217.4384823730293	Alternating exposures requested	N	N
Pointing Dec	0	-8.047470263206597	Primary exposure time	0.000000	0
Pointing Roll	0.0	251.4123393919291			
SIM focus pos (mm)	-0.684267	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-190.132523	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	49921998.953	49921998.298446			
Observation start date	1999-08-01T19:13:19	1999-08-01T19:13:18			
Observation end time	49947435.569	49947430.599318			
Observation end date	1999-08-02T02:17:16	1999-08-02T02:17:10			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.2603068920076

## A.2 Comments

ACIS 3x3 CC mode test. Internal door source visible. Not all chips read down in telemetry.

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