

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 61409 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jan 12 2007

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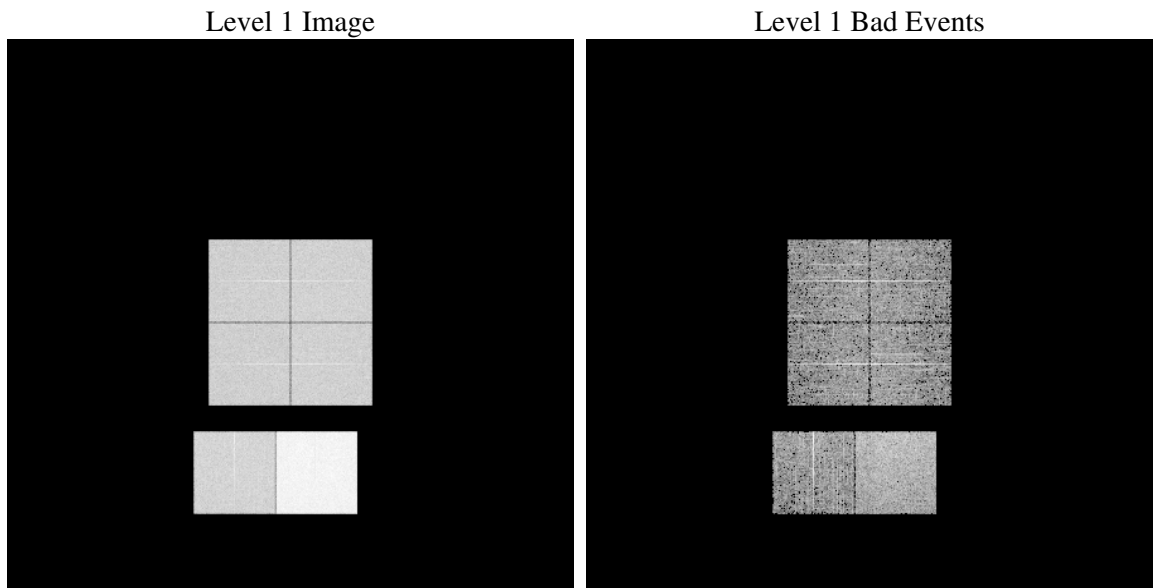
# 1 Front

seq_num	&#160
obs_id	61409
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	123.98450943781
dec_nom	35.025677094281
roll_nom	83.539703103806
revision	2
ontime	7330.1898949891
livetime	7237.3706168283
ontime0	2847.9578673244
ontime1	2974.397962302
ontime2	2783.218649298
ontime3	2880.2853599638
ontime6	3071.7105441391
ontime7	7330.1898949891
l2events	1225405

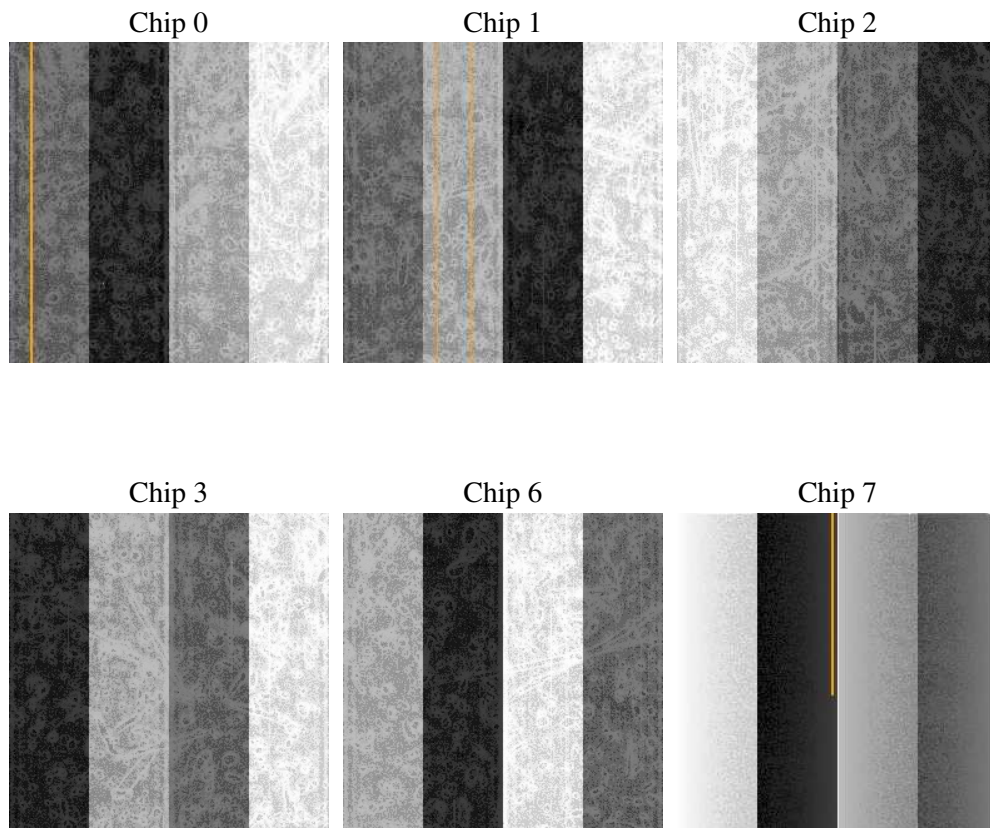
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-12T12:25:44
revision	2

sched_exp_time	0.0
ontime	7330.1898949891
ontime0	2847.9578673244
ontime1	2974.397962302
ontime2	2783.218649298
ontime3	2880.2853599638
ontime6	3071.7105441391
ontime7	7330.1898949891
l1events	1420869

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	183924	190651	179905	187660	206782	471947
rejected events	20917	20394	20331	21901	22692	37955
rejected %	11%	10%	11%	11%	10%	8%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	89710	94158	88802	92848	100398	111028
	48%	49%	49%	49%	48%	23%
grade 1 events	438	467	443	476	527	321
	0%	0%	0%	0%	0%	0%
grade 2 events	29072	29872	27883	29129	31947	95703
	15%	15%	15%	15%	15%	20%
grade 3 events	10355	10884	10236	10548	11329	43916
	5%	5%	5%	5%	5%	9%
grade 4 events	10312	10645	9996	10336	11223	43777
	5%	5%	5%	5%	5%	9%
grade 5 events	1462	1527	1448	1596	1792	7769
	0%	0%	0%	0%	0%	1%
grade 6 events	23558	24698	22657	22898	29193	139568
	12%	12%	12%	12%	14%	29%
grade 7 events	19017	18400	18440	19829	20373	29865
	10%	9%	10%	10%	9%	6%

## 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	123.9845094378115	Alternating exposures requested	N	N
Pointing Dec	0	35.02567709428066	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	83.53970310380616			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	122216448.482	122216447.71362			
Observation start date	2001-11-15T13:00:48	2001-11-15T13:00:47			
Observation end time	122254676.884	122254676.11514			
Observation end date	2001-11-15T23:37:57	2001-11-15T23:37:56			
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)	2007.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.33018989

### A.2 Comments