

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60968 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 11 2006

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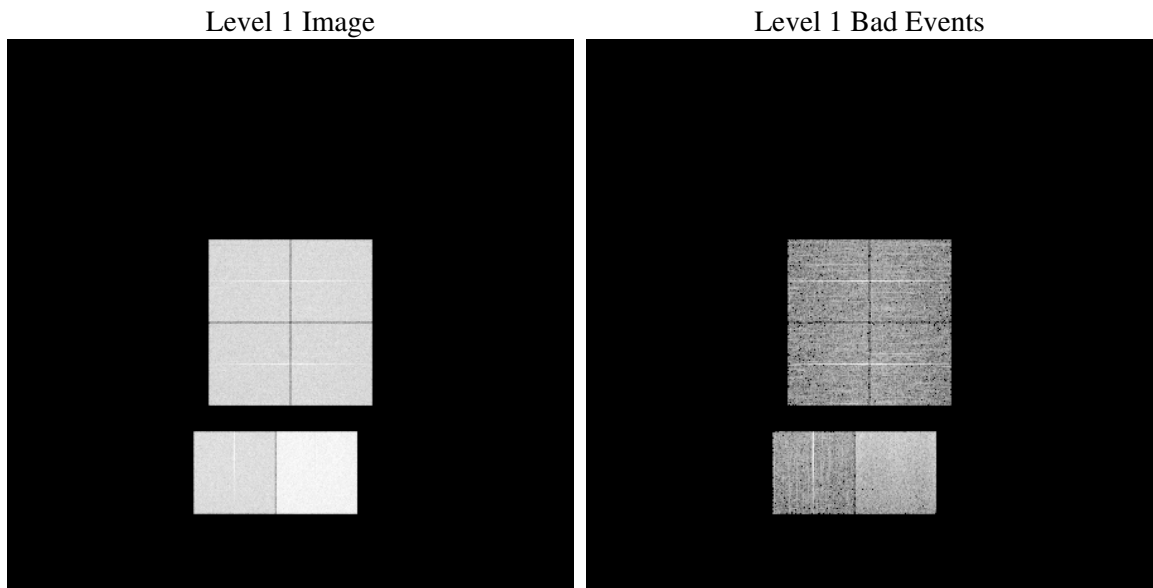
# 1 Front

seq_num	&#160
obs_id	60968
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	294.02072611261
dec_nom	-37.023323901503
roll_nom	272.53971417904
revision	2
ontime	8467.1999684572
livetime	8359.9831841209
ontime0	4218.4245307148
ontime1	4286.5258853137
ontime2	4014.3240617514
ontime3	4101.6150614321
ontime6	4474.3296667039
ontime7	8467.1999684572
l2events	1292695

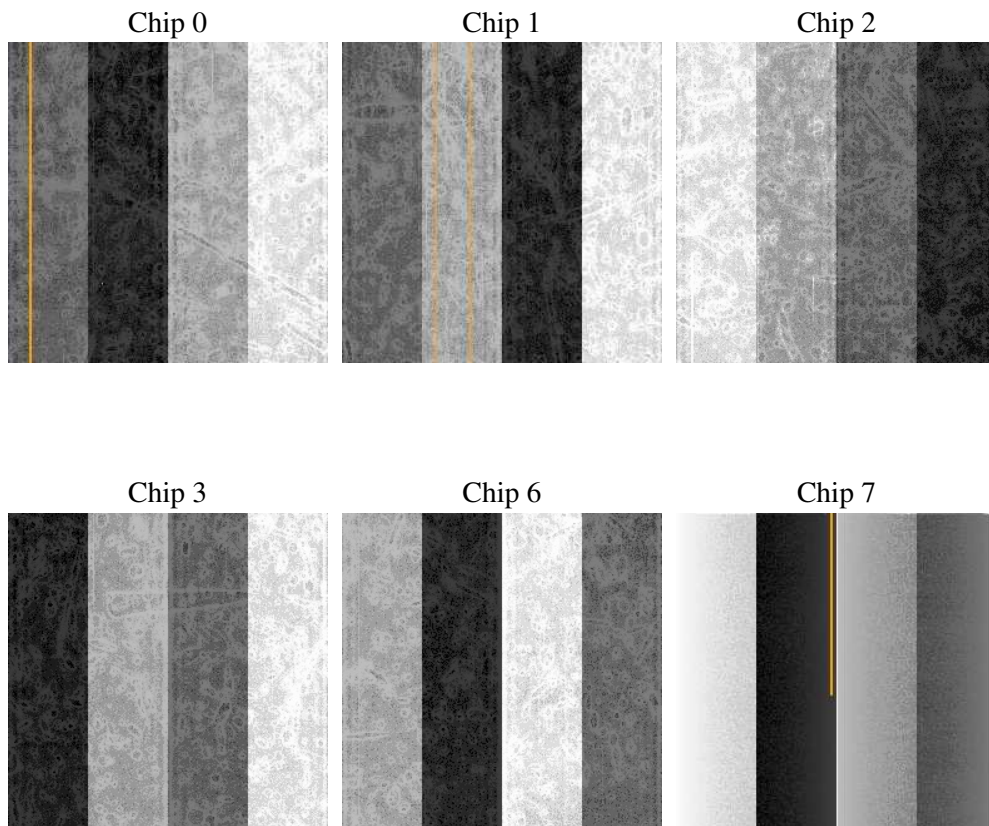
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-11T18:06:46
revision	2

sched_exp_time	0.0
ontime	8468.7283120751
ontime0	4219.8196977377
ontime1	4287.8800123334
ontime2	4015.6371487677
ontime3	4103.14340505
ontime6	4475.8580103219
ontime7	8468.7283120751
l1events	1552011

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	217359	222324	210211	216043	242633	443441
rejected events	27258	28430	28490	28930	30432	58021
rejected %	12%	12%	13%	13%	12%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	105146	106503	102151	105078	115619	70197
	48%	47%	48%	48%	47%	15%
grade 1 events	619	505	581	630	539	178
	0%	0%	0%	0%	0%	0%
grade 2 events	33163	34342	30437	31729	36649	115850
	15%	15%	14%	14%	15%	26%
grade 3 events	12160	12244	11808	12223	13178	28905
	5%	5%	5%	5%	5%	6%
grade 4 events	12148	12207	11908	12194	13187	28040
	5%	5%	5%	5%	5%	6%
grade 5 events	1975	1991	1866	2047	2298	7672
	0%	0%	0%	0%	0%	1%
grade 6 events	27484	28598	25417	25889	33568	142428
	12%	12%	12%	11%	13%	32%
grade 7 events	24664	25934	26043	26253	27595	50171
	11%	11%	12%	12%	11%	11%

## 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	294.0207261126094	Alternating exposures requested	N	N
Pointing Dec	0	-37.02332390150332	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	272.5397141790444			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	153099177.247415	153099176.2227			
Observation start date	2002-11-07T23:32:57	2002-11-07T23:32:56			
Observation end time	153121040.498324	153121039.47361			
Observation end date	2002-11-08T05:37:20	2002-11-08T05:37:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.46719996

### A.2 Comments