

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59933 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 8 2006

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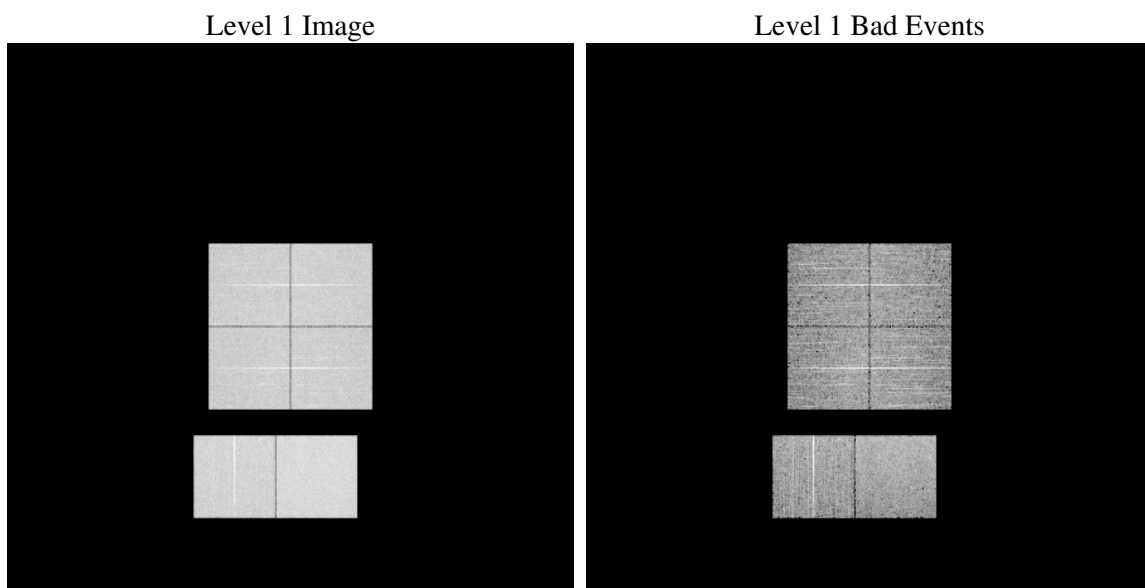
# 1 Front

seq_num	&#160
obs_id	59933
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	107.97785627412
dec_nom	31.421501973323
roll_nom	98.420573768573
revision	2
ontime	7798.3999709487
livetime	7699.6519348838
ontime0	6521.4580866098
ontime1	6673.7837401927
ontime2	6271.9035829008
ontime3	6333.4811822176
ontime6	6907.1332418919
ontime7	7798.3999709487
l2events	1055101

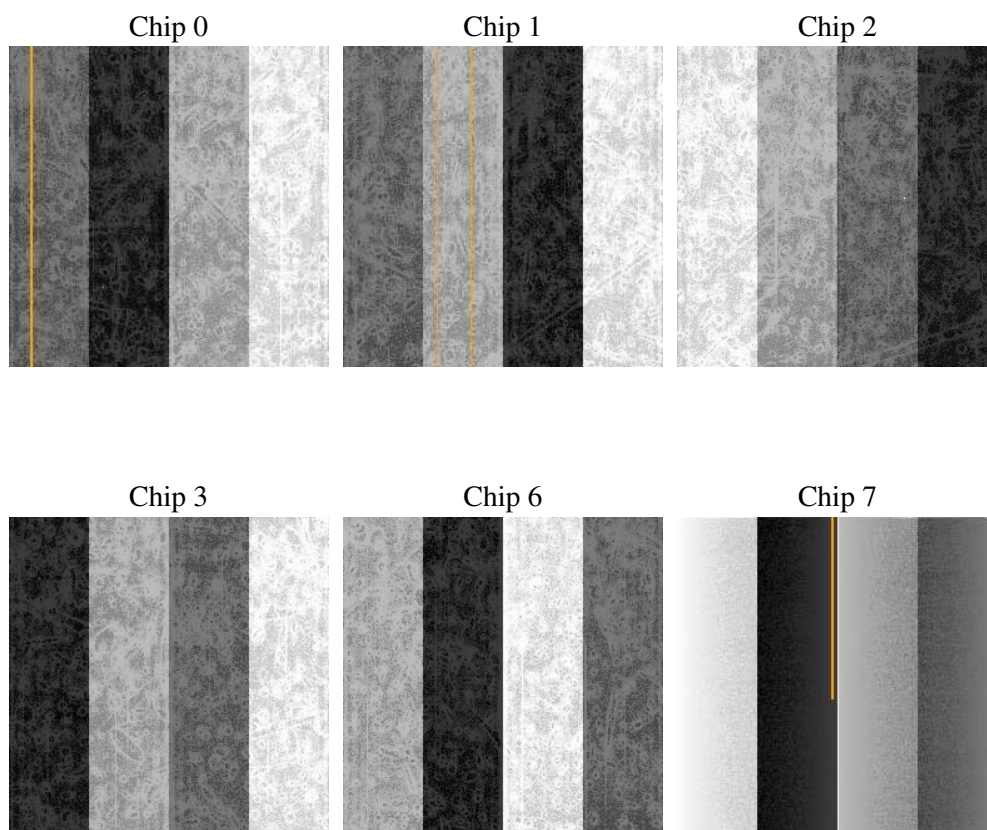
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-09T00:10:51
revision	2

sched_exp_time	0.0
ontime	7801.0947906673
ontime0	6524.1529063284
ontime1	6676.4785599113
ontime2	6274.5984026194
ontime3	6336.1760019362
ontime6	6909.8280616105
ontime7	7801.0947906673
l1events	1411133

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	220241	225075	217310	219917	247292	281298
rejected events	46204	47199	47860	49257	53792	57911
rejected %	20%	20%	22%	22%	21%	20%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	95764	97516	94795	95521	105594	37689
	43%	43%	43%	43%	42%	13%
grade 1 events	594	493	586	592	523	130
	0%	0%	0%	0%	0%	0%
grade 2 events	30508	31621	28615	29305	33098	67736
	13%	14%	13%	13%	13%	24%
grade 3 events	11292	11474	10941	11151	12008	15982
	5%	5%	5%	5%	4%	5%
grade 4 events	11322	11188	11173	11229	12158	15642
	5%	4%	5%	5%	4%	5%
grade 5 events	2891	3125	2768	3196	3449	6911
	1%	1%	1%	1%	1%	2%
grade 6 events	25236	26179	24021	23538	30722	86413
	11%	11%	11%	10%	12%	30%
grade 7 events	42634	43479	44411	45385	49740	50795
	19%	19%	20%	20%	20%	18%

## 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	107.977856274121	Alternating exposures requested	N	N
Pointing Dec	0	31.42150197332266	Primary exposure time	3.2	3.2
Pointing Roll	0.0	98.42057376857348			
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	218861005.044082	218861004.01907			
Observation start date	2004-12-08T02:43:25	2004-12-08T02:43:24			
Observation end time	218876371.844773	218876370.81976			
Observation end date	2004-12-08T06:59:32	2004-12-08T06:59:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79839997

### A.2 Comments