

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 59912 - L2 Version 002  
Chandra X-Ray Center

L2 Processing Date : Apr 7 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	8
2.5	FID Slots . . . . .	8
<b>A</b>	<b>Summary</b>	<b>9</b>
A.1	Status . . . . .	9
A.2	Comments . . . . .	9

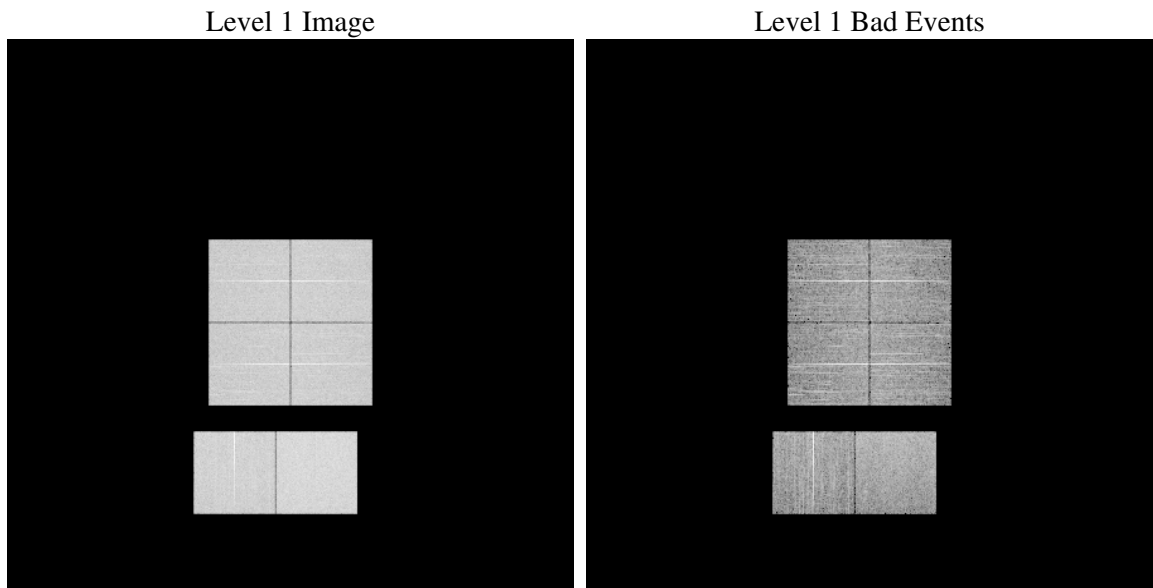
# 1 Front

seq_num	&#160
obs_id	59912
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	77.731405896272
dec_nom	-6.4909601396664
roll_nom	342.75959247539
revision	2
ontime	8179.1999695301
livetime	8075.630014593
ontime0	6856.8801008165
ontime1	6993.0017307401
ontime2	6600.8432956338
ontime3	6642.9752527475
ontime6	7249.0388849676
ontime7	8179.1999695301
l2events	1095120

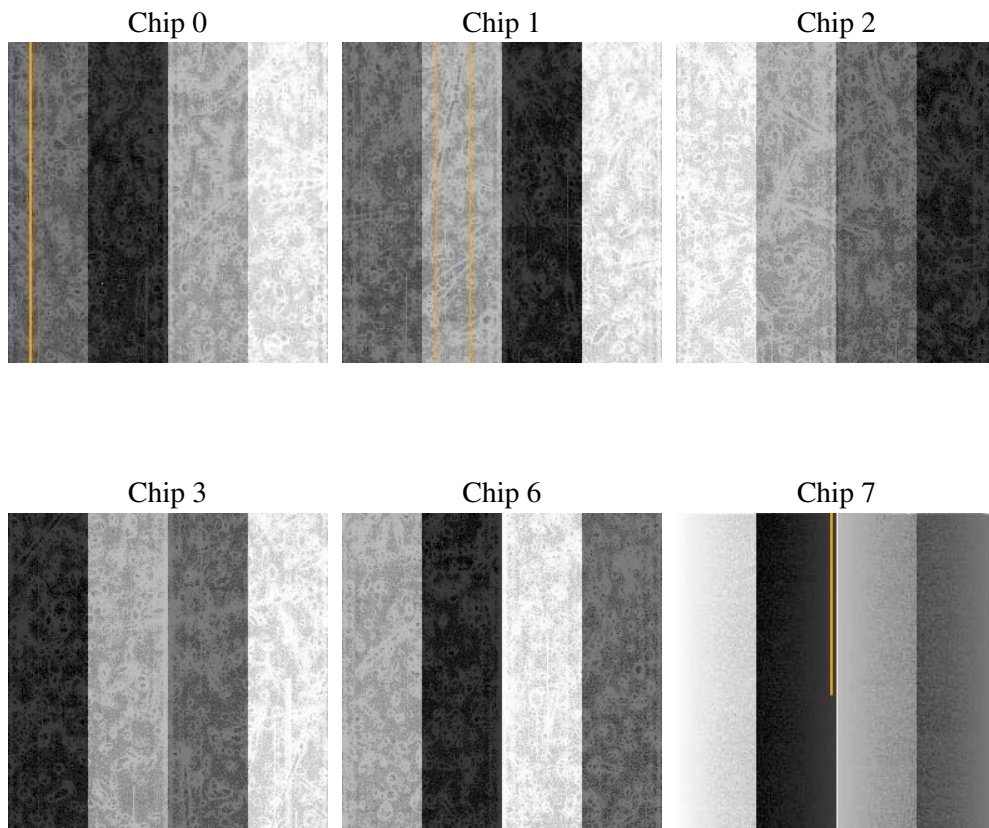
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-07T19:30:08
revision	2

sched_exp_time	0.0
ontime	8284.0187229812
ontime0	6935.7710417509
ontime1	7084.8565530479
ontime2	6686.2161473632
ontime3	6725.1071740091
ontime6	7324.6887660325
ontime7	8284.0187229812
l1events	1496171

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	233624	238579	231179	234669	259617	298503
rejected events	52648	54242	55405	57018	59793	66458
rejected %	22%	22%	23%	24%	23%	22%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	100600	102011	99432	100221	109085	39194
	43%	42%	43%	42%	42%	13%
grade 1 events	604	562	708	670	573	117
	0%	0%	0%	0%	0%	0%
grade 2 events	31945	33345	30294	30808	34931	71028
	13%	13%	13%	13%	13%	23%
grade 3 events	12043	12099	11758	12096	12874	16580
	5%	5%	5%	5%	4%	5%
grade 4 events	11696	11979	11649	11769	12850	16390
	5%	5%	5%	5%	4%	5%
grade 5 events	3203	3290	2949	3238	3630	7364
	1%	1%	1%	1%	1%	2%
grade 6 events	26827	27388	24928	24980	32282	91867
	11%	11%	10%	10%	12%	30%
grade 7 events	46706	47905	49461	50887	53392	55963
	19%	20%	21%	21%	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	77.73140589627224	Alternating exposures requested	N	N
Pointing Dec	0	-6.490960139666399	Primary exposure time	3.2	3.2
Pointing Roll	0.0	342.7595924753901			
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	219820480.937251	219820479.91225			
Observation start date	2004-12-19T05:14:41	2004-12-19T05:14:39			
Observation end time	219832487.787792	219832486.76279			
Observation end date	2004-12-19T08:34:48	2004-12-19T08:34:46			
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)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.17919996

### A.2 Comments