

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60951 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 13 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

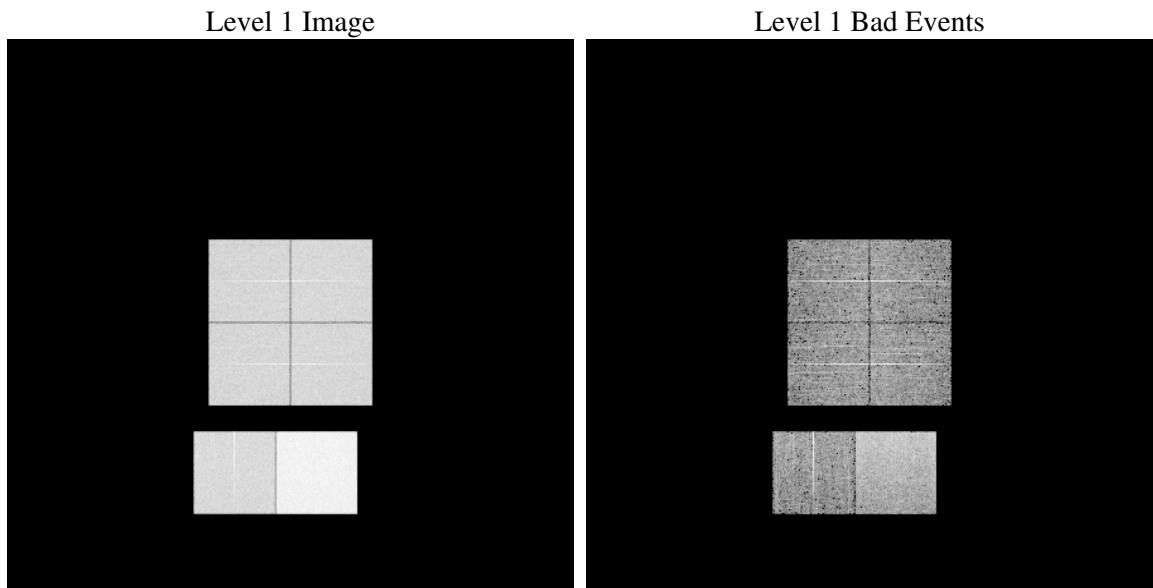
# 1 Front

seq_num	&#160
obs_id	60951
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	5.0262425863435
dec_nom	-12.012628639486
roll_nom	300.98367494508
revision	2
ontime	8425.5999686122
livetime	8318.9099485224
ontime0	4170.9176296592
ontime1	4319.2854822576
ontime2	4069.7292387784
ontime3	4118.9798161983
ontime6	4400.3106955886
ontime7	8425.5999686122
l2events	1284805

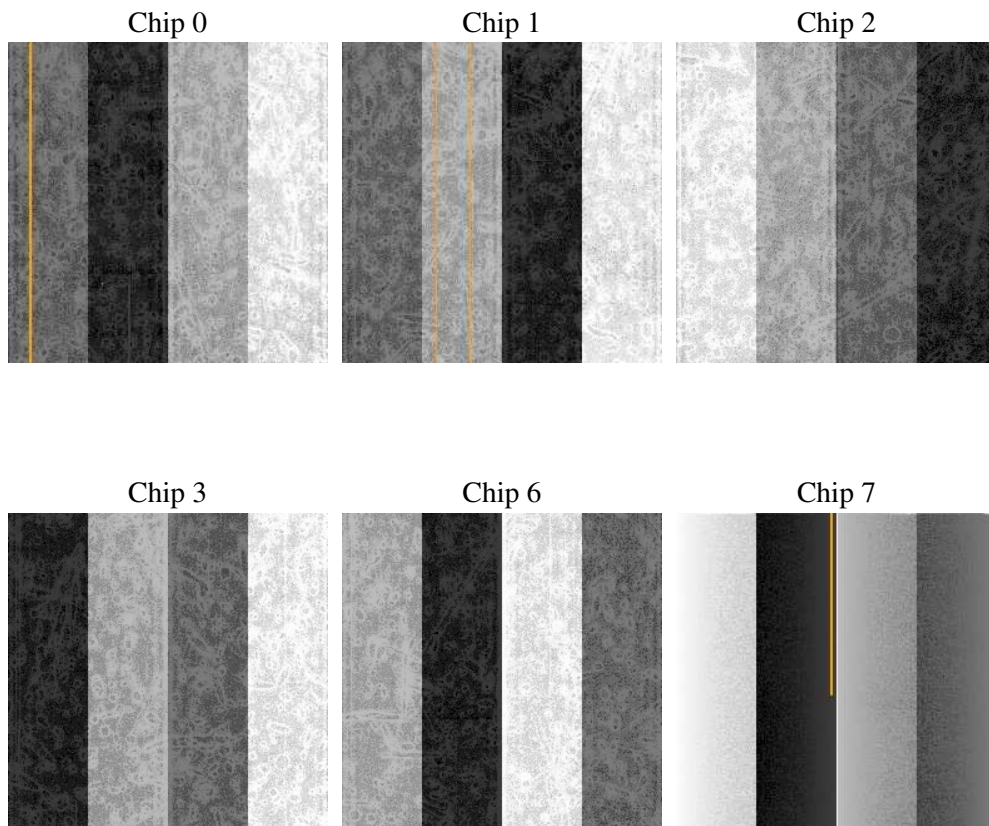
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-13T22:26:02
revision	2

sched_exp_time	0.0
ontime	8436.3289810717
ontime0	4177.6876777112
ontime1	4323.5325043499
ontime2	4073.9762608707
ontime3	4125.831944257
ontime6	4407.7987377644
ontime7	8436.3289810717
l1events	1546937

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	214465	221999	213780	217770	238533	440390
rejected events	27937	28082	29091	29875	30853	58517
rejected %	13%	12%	13%	13%	12%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	102976	106347	103522	105647	112934	70204
	48%	47%	48%	48%	47%	15%
grade 1 events	558	529	623	633	615	177
	0%	0%	0%	0%	0%	0%
grade 2 events	32574	34429	31269	32010	35517	115286
	15%	15%	14%	14%	14%	26%
grade 3 events	12114	12277	12039	12308	13078	28682
	5%	5%	5%	5%	5%	6%
grade 4 events	11936	12244	12037	12139	13055	27882
	5%	5%	5%	5%	5%	6%
grade 5 events	1977	2016	1857	2152	2279	7687
	0%	0%	0%	0%	0%	1%
grade 6 events	27236	28773	25975	26092	33406	140309
	12%	12%	12%	11%	14%	31%
grade 7 events	25094	25384	26458	26789	27649	50163
	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	5.02624258634345	Alternating exposures requested	N	N
Pointing Dec	0	-12.01262863948601	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	300.9836749450808			
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	154467794.204367	154467793.17965			
Observation start date	2002-11-23T19:43:14	2002-11-23T19:43:13			
Observation end time	154492094.905378	154492093.88066			
Observation end date	2002-11-24T02:28:15	2002-11-24T02:28:13			
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)	2006.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.42559996

### A.2 Comments