

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 60867 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Sep 19 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

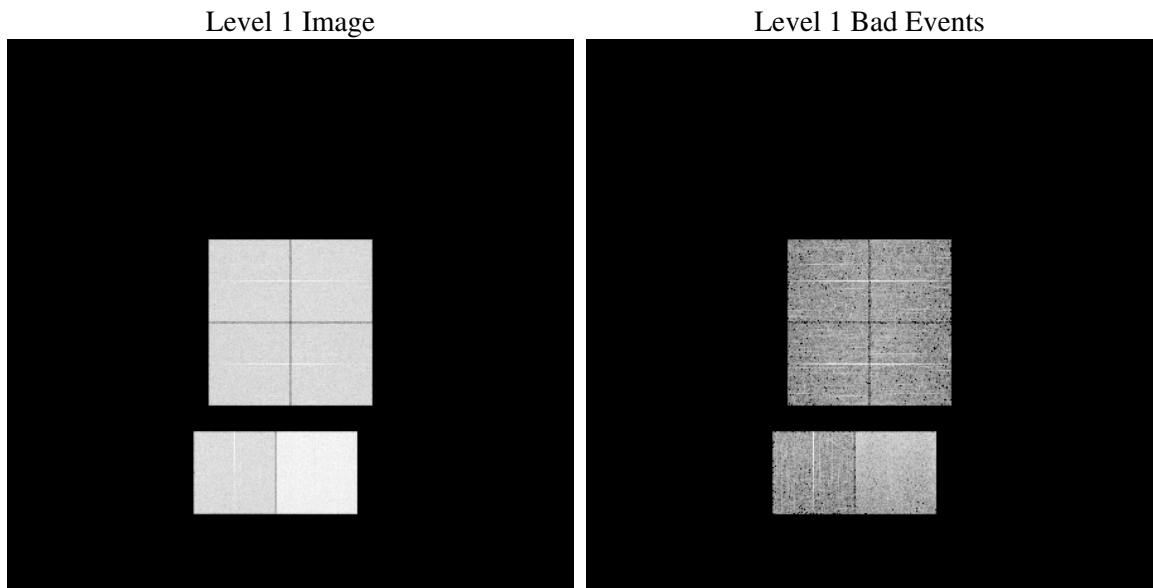
# 1 Front

seq_num	&#160
obs_id	60867
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	143.95764267596
dec_nom	48.993136209203
roll_nom	161.00188470324
revision	2
ontime	7797.5185629129
livetime	7698.7816877673
ontime0	4225.9964989126
ontime1	4326.5082155168
ontime2	4008.9315177202
ontime3	4128.6837464273
ontime6	4394.6508705914
ontime7	7797.5185629129
l2events	1179834

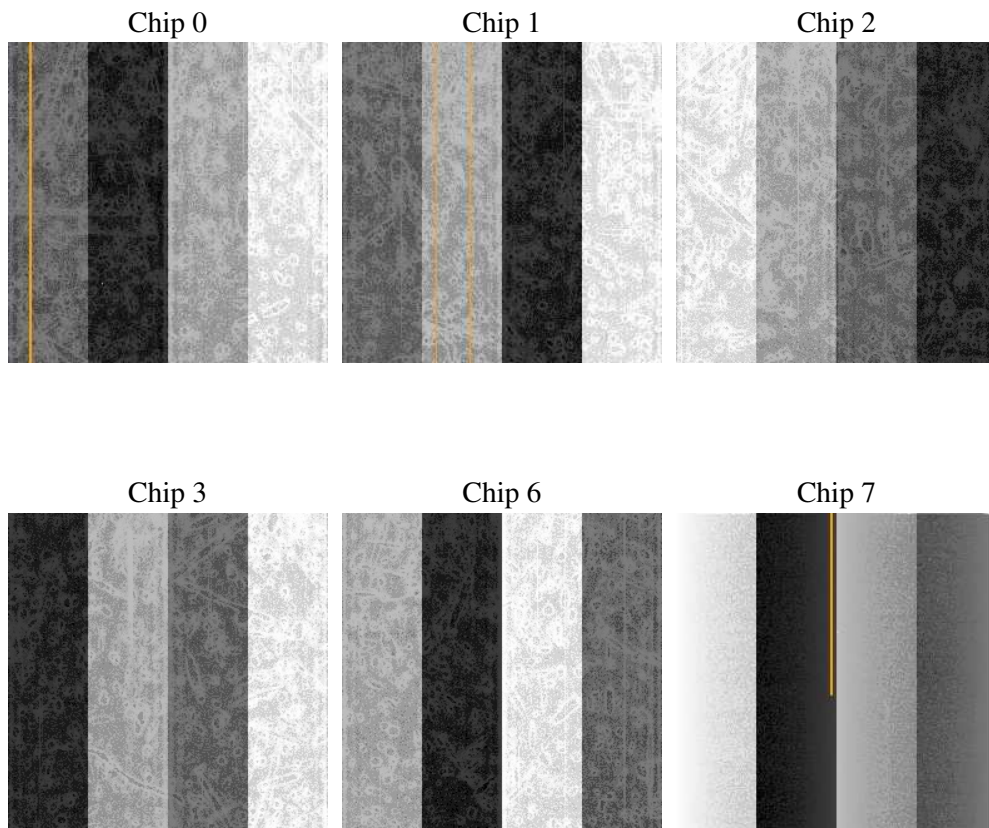
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-19T18:09:16
revision	2

sched_exp_time	0.0
ontime	7797.8650670648
ontime0	4226.3019630611
ontime1	4326.772639662
ontime2	4009.1549018621
ontime3	4129.0712905824
ontime6	4394.8332147598
ontime7	7797.8650670648
l1events	1427288

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	204826	211565	198434	204202	223112	385149
rejected events	26959	28264	28049	27993	29312	52737
rejected %	13%	13%	14%	13%	13%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	98719	101142	95565	99165	105652	60189
	48%	47%	48%	48%	47%	15%
grade 1 events	533	471	551	566	490	167
	0%	0%	0%	0%	0%	0%
grade 2 events	30958	32449	28898	30059	33176	100317
	15%	15%	14%	14%	14%	26%
grade 3 events	11438	11527	11000	11371	12080	24834
	5%	5%	5%	5%	5%	6%
grade 4 events	11327	11532	11254	11478	11942	24432
	5%	5%	5%	5%	5%	6%
grade 5 events	1921	1959	1699	1974	2153	6825
	0%	0%	0%	0%	0%	1%
grade 6 events	25425	26651	23668	24136	30950	122640
	12%	12%	11%	11%	13%	31%
grade 7 events	24505	25834	25799	25453	26669	45745
	11%	12%	13%	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	143.9576426759643	Alternating exposures requested	N	N
Pointing Dec	0	48.99313620920348	Primary exposure time	3.2	3.2
Pointing Roll	0.0	161.001884703236			
SIM focus pos (mm)	-0.782348	-1.038866356238299			
SIM defocus (mm)	0	0.4944702831659975			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	160378003.901303	160378002.8766			
Observation start date	2003-01-31T05:26:44	2003-01-31T05:26:42			
Observation end time	160400490.352255	160400489.32754			
Observation end date	2003-01-31T11:41:30	2003-01-31T11:41:29			
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)	2006.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79751856

### A.2 Comments