

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61002 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Oct 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

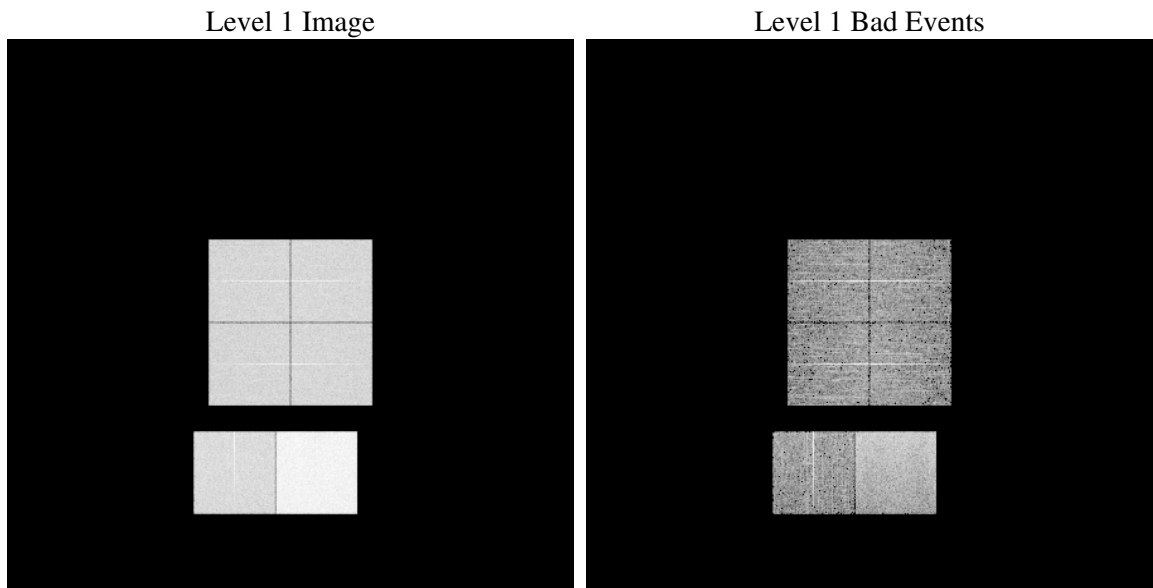
# 1 Front

seq_num	&#160
obs_id	61002
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	0.023810094887725
dec_nom	-0.015832058804405
roll_nom	293.53638613909
revision	2
ontime	7795.1999709606
livetime	7696.4924552224
ontime0	3799.0742297173
ontime1	3844.6508097053
ontime2	3598.1316229105
ontime3	3695.3620459437
ontime6	4064.8362821341
ontime7	7795.1999709606
l2events	1185061

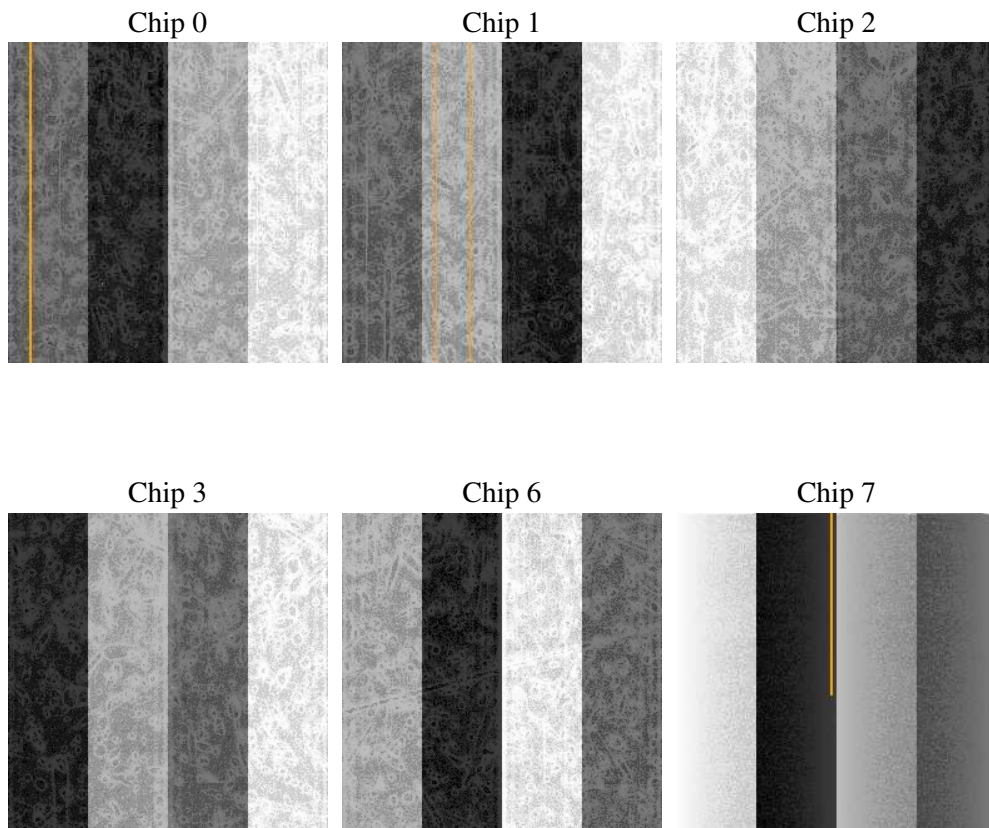
## 2 OBI

### 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	2006-10-07T14:38:11
revision	2

sched_exp_time	0.0
ontime	7797.8548831046
ontime0	3801.7291418612
ontime1	3847.102686286
ontime2	3600.7865350544
ontime3	3698.0169580877
ontime6	4067.491194278
ontime7	7797.8548831046
l1events	1432941

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	198136	201702	192944	197795	223626	418738
rejected events	26766	26938	27567	28053	29703	55932
rejected %	13%	13%	14%	14%	13%	13%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	94661	96252	93167	95538	105700	67620
	47%	47%	48%	48%	47%	16%
grade 1 events	568	448	567	577	573	165
	0%	0%	0%	0%	0%	0%
grade 2 events	29673	30944	28213	29129	33721	108188
	14%	15%	14%	14%	15%	25%
grade 3 events	11064	11230	10750	11037	12119	27718
	5%	5%	5%	5%	5%	6%
grade 4 events	10977	11189	10627	11140	12097	27282
	5%	5%	5%	5%	5%	6%
grade 5 events	1831	1921	1885	1889	2221	7418
	0%	0%	0%	0%	0%	1%
grade 6 events	25142	25283	22769	23053	30447	132151
	12%	12%	11%	11%	13%	31%
grade 7 events	24220	24435	24966	25432	26748	48196
	12%	12%	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	0.02381009488772544	Alternating exposures requested	N	N
Pointing Dec	0	-0.01583205880440542	Primary exposure time	3.2	3.2
Pointing Roll	0.0	293.5363861390916			
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	150775516.500895	150775515.47618			
Observation start date	2002-10-12T02:05:17	2002-10-12T02:05:15			
Observation end time	150810626.85235	150810625.82764			
Observation end date	2002-10-12T11:50:27	2002-10-12T11:50:25			
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)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79519997

### A.2 Comments