

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 60609 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jul 12 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

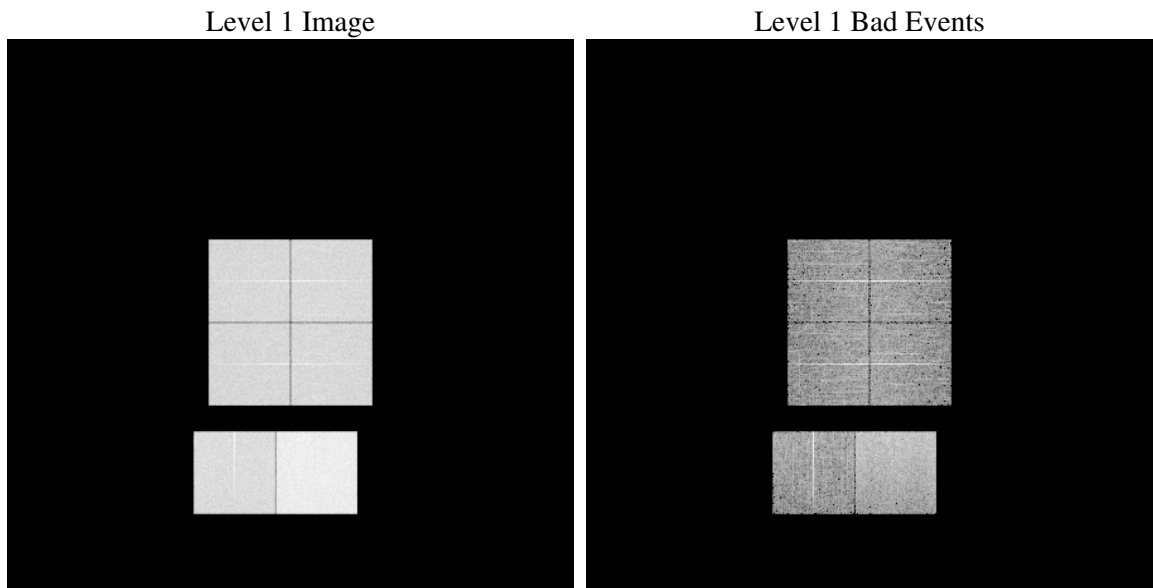
# 1 Front

seq_num	&#160
obs_id	60609
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	283.53123534853
dec_nom	-34.612548451144
roll_nom	301.08518773191
revision	2
ontime	8453.5910226405
livetime	8346.5465629704
ontime0	5066.8130755723
ontime1	5144.6390254498
ontime2	4817.3396669626
ontime3	4937.0924230814
ontime6	5342.4207807779
ontime7	8453.5910226405
l2events	1248344

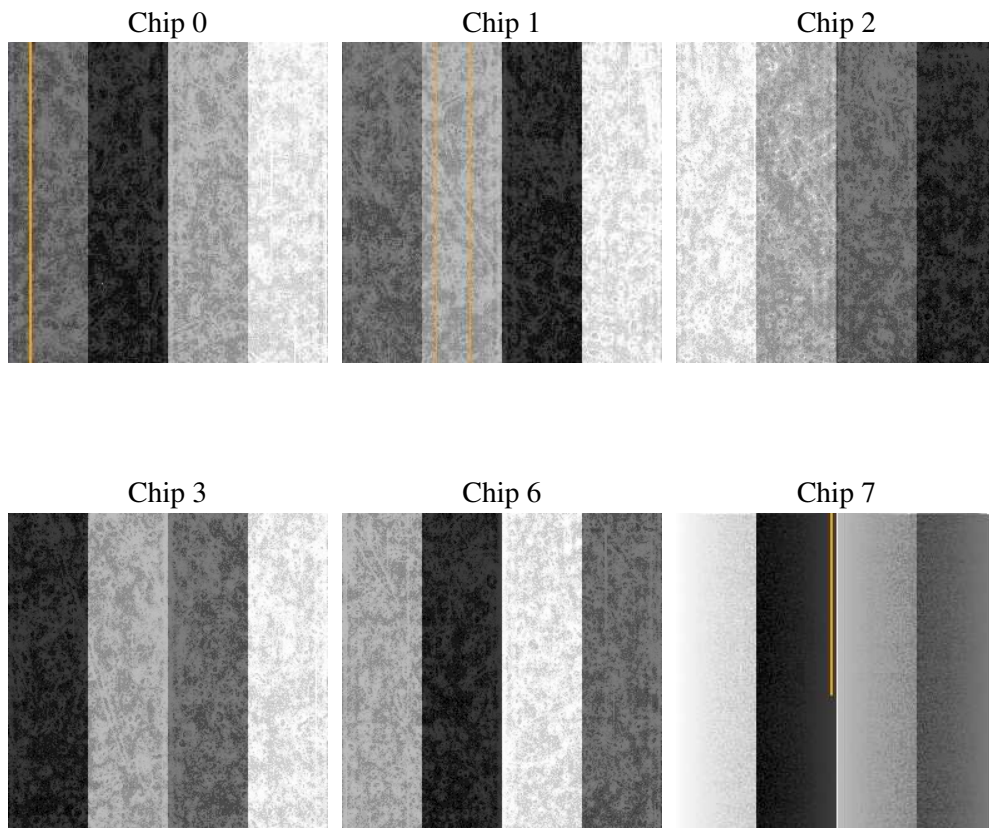
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-13T00:53:09
revision	2

sched_exp_time	0.0
ontime	8455.7794304192
ontime0	5068.9604433477
ontime1	5146.7453532219
ontime2	4819.4049547315
ontime3	4939.3218708634
ontime6	5344.4450285733
ontime7	8455.7794304192
l1events	1539280

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	225561	232211	219898	226027	250665	384918
rejected events	32632	34131	34337	34606	37049	59661
rejected %	14%	14%	15%	15%	14%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	106605	108269	104810	108480	115053	53993
	47%	46%	47%	47%	45%	14%
grade 1 events	535	485	602	635	506	124
	0%	0%	0%	0%	0%	0%
grade 2 events	33307	35796	30390	32077	37608	101748
	14%	15%	13%	14%	15%	26%
grade 3 events	12261	12257	12212	12352	13034	22452
	5%	5%	5%	5%	5%	5%
grade 4 events	12198	12163	12139	12178	13016	21780
	5%	5%	5%	5%	5%	5%
grade 5 events	2269	2183	2010	2302	2431	7144
	1%	0%	0%	1%	0%	1%
grade 6 events	28694	29727	26173	26451	35045	125406
	12%	12%	11%	11%	13%	32%
grade 7 events	29692	31331	31562	31552	33972	52271
	13%	13%	14%	13%	13%	13%

## 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	283.531235348528	Alternating exposures requested	N	N
Pointing Dec	0	-34.61254845114445	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	301.0851877319103			
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	175713363.69996	175713362.67522			
Observation start date	2003-07-27T17:16:04	2003-07-27T17:16:02			
Observation end time	175737340.500984	175737339.47624			
Observation end date	2003-07-27T23:55:41	2003-07-27T23:55:39			
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)	2006.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.45359102

### A.2 Comments

The ACIS focal plane temperature is above calibration limits for the entire obsid.