

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 59324 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Feb 4 2009

## 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	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

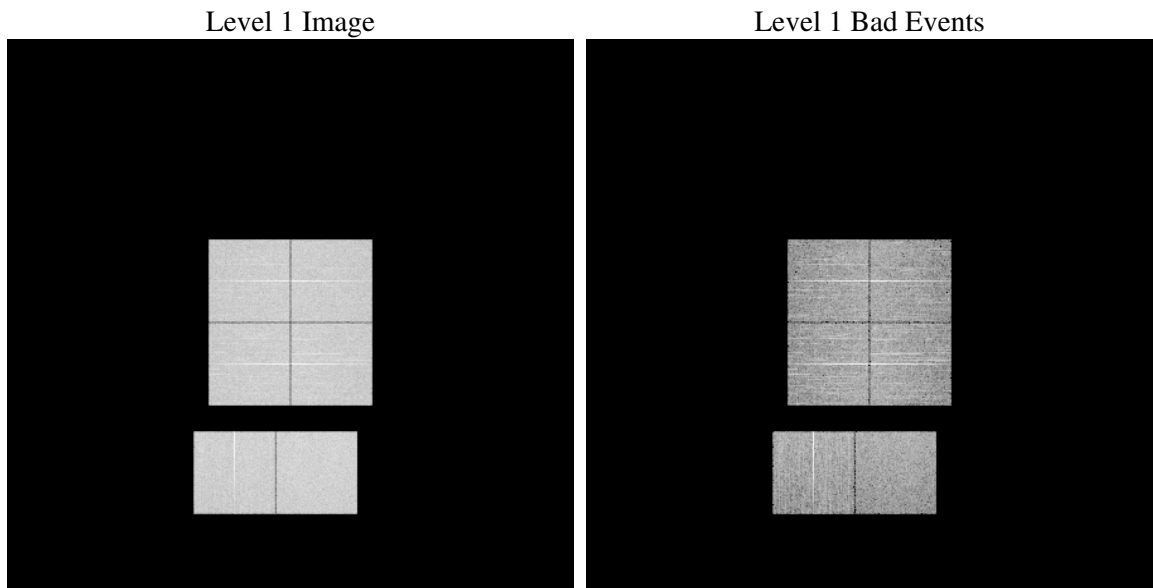
# 1 Front

seq_num	&#160
obs_id	59324
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	10.658491128529
dec_nom	18.958317805655
roll_nom	273.91631815942
revision	3
ontime	6598.399975419
livetime	6514.8470618508
ontime0	6598.399975419
ontime1	6598.399975419
ontime2	6598.399975419
ontime3	6598.399975419
ontime6	6598.399975419
ontime7	6598.399975419
l2events	831004

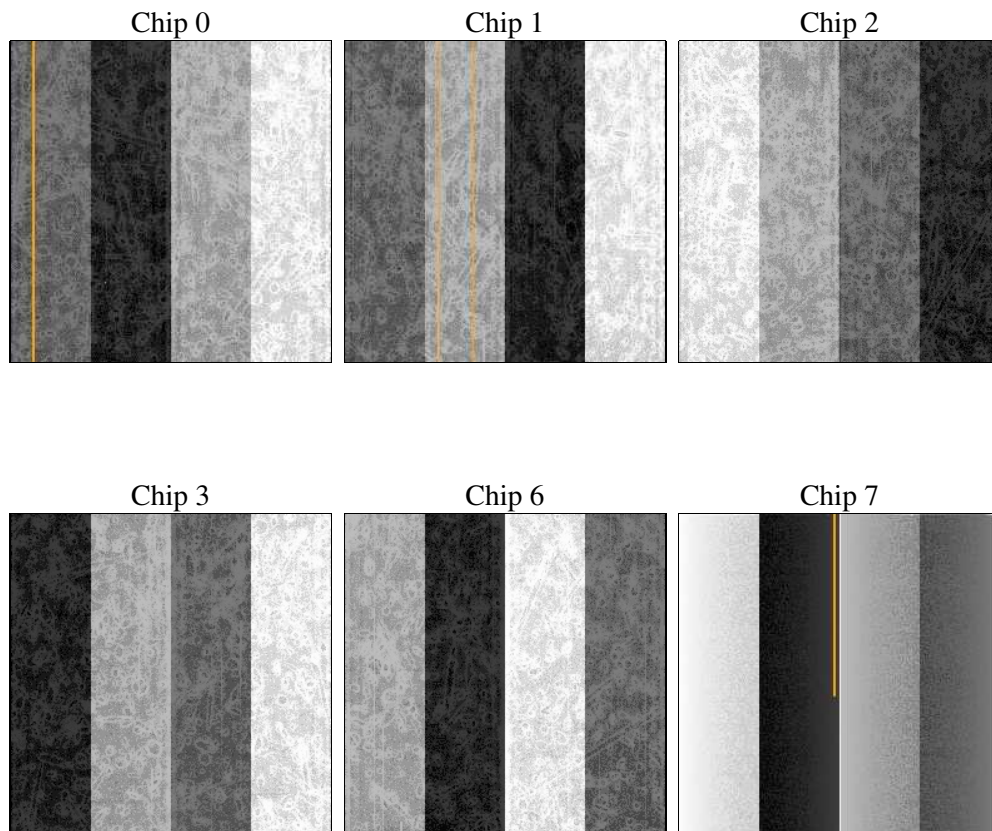
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldsver	3.5.1
date	2009-02-04T12:55:39
revision	3

sched_exp_time	960
ontime	6598.399975419
ontime0	6598.399975419
ontime1	6598.399975419
ontime2	6598.399975419
ontime3	6598.399975419
ontime6	6598.399975419
ontime7	6598.399975419
l1events	1202472

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	193532	192710	198953	200518	203446	213313
rejected events	53032	52207	57473	58322	56562	50411
rejected %	27%	27%	28%	29%	27%	23%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	79054	78474	81262	81688	81207	38389
	40%	40%	40%	40%	39%	17%
grade 1 events	512	448	559	541	519	128
	0%	0%	0%	0%	0%	0%
grade 2 events	25386	25967	24411	25016	26297	36596
	13%	13%	12%	12%	12%	17%
grade 3 events	9403	9404	9585	9554	9525	16420
	4%	4%	4%	4%	4%	7%
grade 4 events	9614	9142	9598	9707	9555	16530
	4%	4%	4%	4%	4%	7%
grade 5 events	2915	3069	2767	3308	3270	7836
	1%	1%	1%	1%	1%	3%
grade 6 events	21141	21471	20728	20279	24514	59634
	10%	11%	10%	10%	12%	27%
grade 7 events	45507	44735	50043	50425	48559	37780
	23%	23%	25%	25%	23%	17%

## 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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	10.65849112852882	10.65849112852882	Subarray requested	NONE	NONE
Pointing Dec	18.95831780565547	18.95831780565547	Alternating exposures requested	N	N
Pointing Roll	273.9163181594237	273.9163181594237	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673			
SIM defocus (mm)	0.7524282194390134	0.7524282194390134			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
SIM translation stage offset (mm)	-0.007542945905271381	-0.007542945905271381			
Observation start time	248156297.679428	248156297.679428			
Observation start date	2005-11-12T04:25:00	2005-11-12T04:18:17			
Observation end time	248163191.811477	248163191.811477			
Observation end date	2005-11-12T04:41:00	2005-11-12T06:13:11			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.59839997

## A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.