

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59289 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 17 2012

## 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

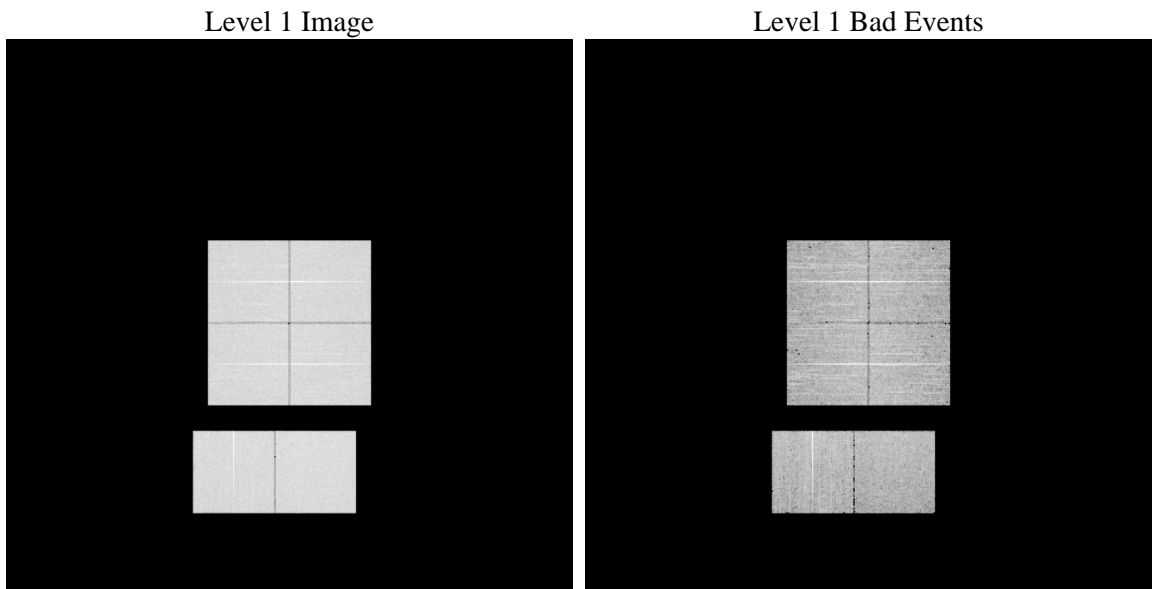
# 1 Front

seq_num	&#160	Sequence number
obs_id	59289	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	30.023260625239	Nominal RA [deg]
dec_nom	10.984952310249	Nominal Dec [deg]
roll_nom	292.19079051013	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7305.5999727845	Sum of GTIs [s]
livetime	7213.0920670249	Livetime [s]
ontime0	7305.5999727845	Sum of GTIs [s]
ontime1	7305.5999727845	Sum of GTIs [s]
ontime2	7305.5999727845	Sum of GTIs [s]
ontime3	7305.5999727845	Sum of GTIs [s]
ontime6	7302.358992517	Sum of GTIs [s]
ontime7	7305.5999727845	Sum of GTIs [s]
l2events	911482	Number of level 2 events

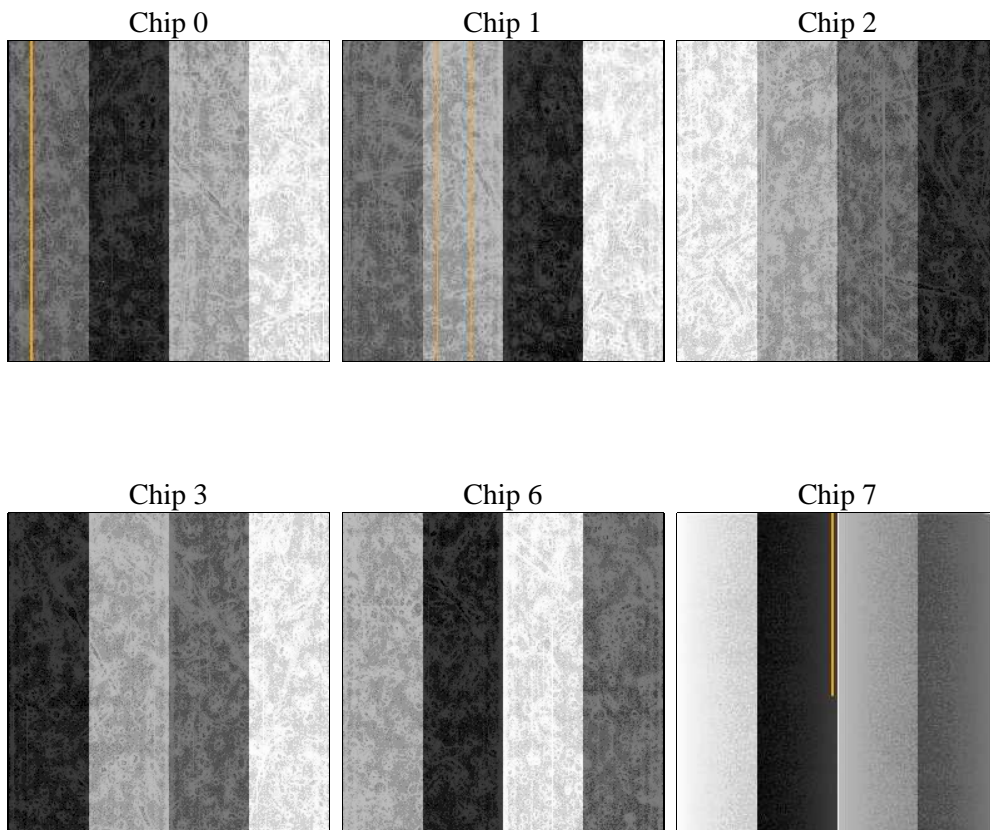
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7305.5999727845	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	7305.5999727845	Sum of GTIs [s]
date	2012-03-17T16:54:38	Date and time of file creation	ontime1	7305.5999727845	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7305.5999727845	Sum of GTIs [s]
			ontime3	7305.5999727845	Sum of GTIs [s]
			ontime6	7302.358992517	Sum of GTIs [s]
			ontime7	7305.5999727845	Sum of GTIs [s]
			l1events	1292356	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	209205	208050	214271	214434	219468	226928	grade 0 events	84356	83582	87442	86813	87005	40629
rejected events	55355	54083	58552	58836	58474	48035		40%	40%	40%	40%	39%	17%
rejected %	26%	25%	27%	27%	26%	21%	grade 1 events	511	463	620	562	448	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	26618	27835	25696	26282	27808	39684
								12%	13%	11%	12%	12%	17%
							grade 3 events	10046	9812	10308	10196	10044	17609
								4%	4%	4%	4%	4%	7%
							grade 4 events	9814	9716	10285	10329	9924	17462
								4%	4%	4%	4%	4%	7%
							grade 5 events	3095	3259	3095	3489	3476	8188
								1%	1%	1%	1%	1%	3%
							grade 6 events	23074	23089	22069	22059	26284	63591
								11%	11%	10%	10%	11%	28%
							grade 7 events	51691	50294	54756	54704	54479	39626
								24%	24%	25%	25%	24%	17%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	0	30.02326062523877	Alternating exposures requested	N	N
[deg] Pointing Dec	0	10.98495231024934	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	292.1907905101257			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	249241823.979569	249241822.95454			
Observation start date	2005-11-24T17:50:24	2005-11-24T17:50:22			
[s] Observation end time (MET)	249280919.531377	249280918.50635			
Observation end date	2005-11-25T04:42:00	2005-11-25T04:41:58			
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3055999727845

## A.2 Comments