

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59125 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 25 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

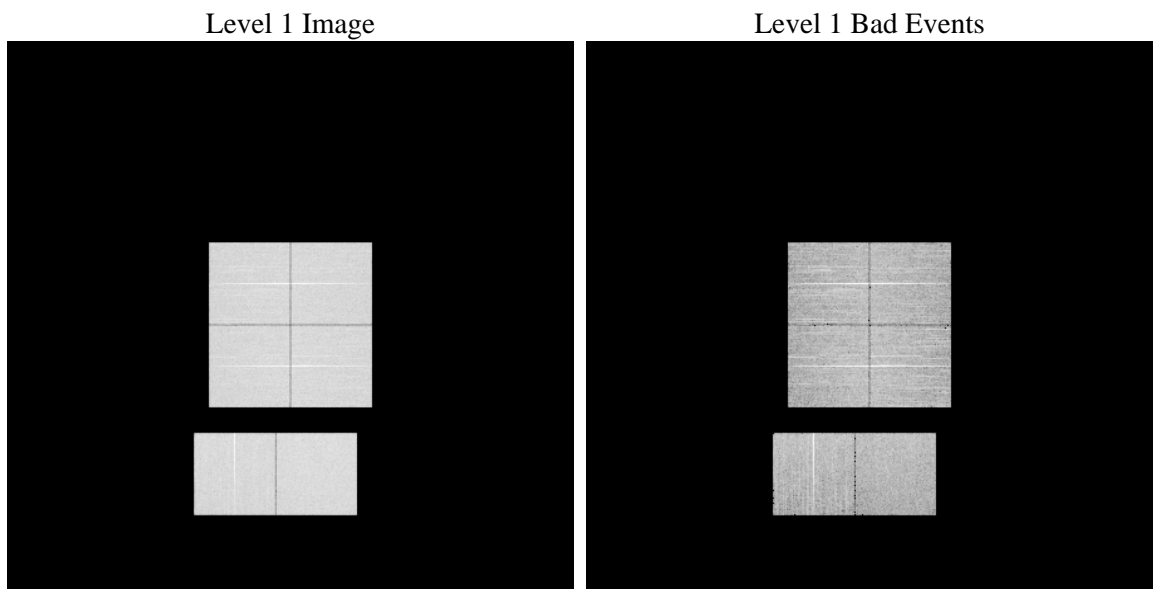
# 1 Front

seq_num	&#160	Sequence number
obs_id	59125	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	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	125.02867584865	Nominal RA [deg]
dec_nom	-7.50329827574	Nominal Dec [deg]
roll_nom	320.50335636395	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8227.1999693513	Sum of GTIs [s]
livetime	8123.0222095143	Livetime [s]
ontime0	8227.1676553786	Sum of GTIs [s]
ontime1	8227.1266153753	Sum of GTIs [s]
ontime2	8227.085575372	Sum of GTIs [s]
ontime3	8227.1999693513	Sum of GTIs [s]
ontime6	8227.0445353985	Sum of GTIs [s]
ontime7	8227.1999693513	Sum of GTIs [s]
l2events	975231	Number of level 2 events

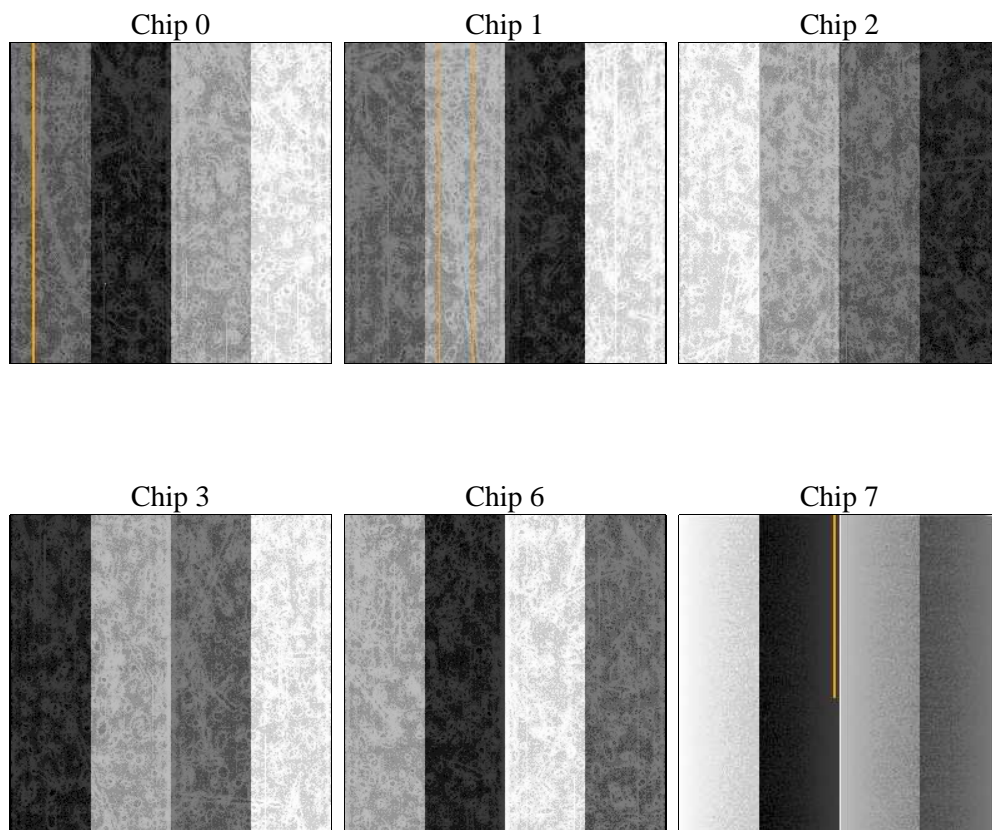
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8227.1999693513	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8227.1676553786	Sum of GTIs [s]
date	2012-03-25T03:54:48	Date and time of file creation	ontime1	8227.1266153753	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8227.085575372	Sum of GTIs [s]
			ontime3	8227.1999693513	Sum of GTIs [s]
			ontime6	8227.0445353985	Sum of GTIs [s]
			ontime7	8227.1999693513	Sum of GTIs [s]
			l1events	1425284	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	231283	229290	233445	238586	240551	252129	grade 0 events	90562	90194	92974	93260	93799	44069
rejected events	67073	64349	68068	72444	68248	58543		39%	39%	39%	39%	38%	17%
rejected %	29%	28%	29%	30%	28%	23%	grade 1 events	577	481	606	648	518	176
								0%	0%	0%	0%	0%	0%
							grade 2 events	28723	29750	27908	28578	29915	42719
								12%	12%	11%	11%	12%	16%
							grade 3 events	10721	10620	11025	10813	10928	19373
								4%	4%	4%	4%	4%	7%
							grade 4 events	10804	10694	10847	11341	10851	18754
								4%	4%	4%	4%	4%	7%
							grade 5 events	3727	3780	3443	4097	4008	9908
								1%	1%	1%	1%	1%	3%
							grade 6 events	24418	24757	23651	23216	27885	69912
								10%	10%	10%	9%	11%	27%
							grade 7 events	61751	59014	62991	66633	62647	47218
								26%	25%	26%	27%	26%	18%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	125.0286758486544
[deg] Pointing Dec	0	-7.503298275740014
[deg] Pointing Roll	0.0	320.5033563639478
[mm] SIM focus pos	-0.782348	-1.428180813131781
[mm] SIM defocus	0	0.1051558262725154
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	255909190.98832	255909189.96333
Observation start date	2006-02-09T21:53:11	2006-02-09T21:53:09
[s] Observation end time (MET)	255931132.139338	255931131.11435
Observation end date	2006-02-10T03:58:52	2006-02-10T03:58:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2271999693513

### A.2 Comments