

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59061 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 28 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

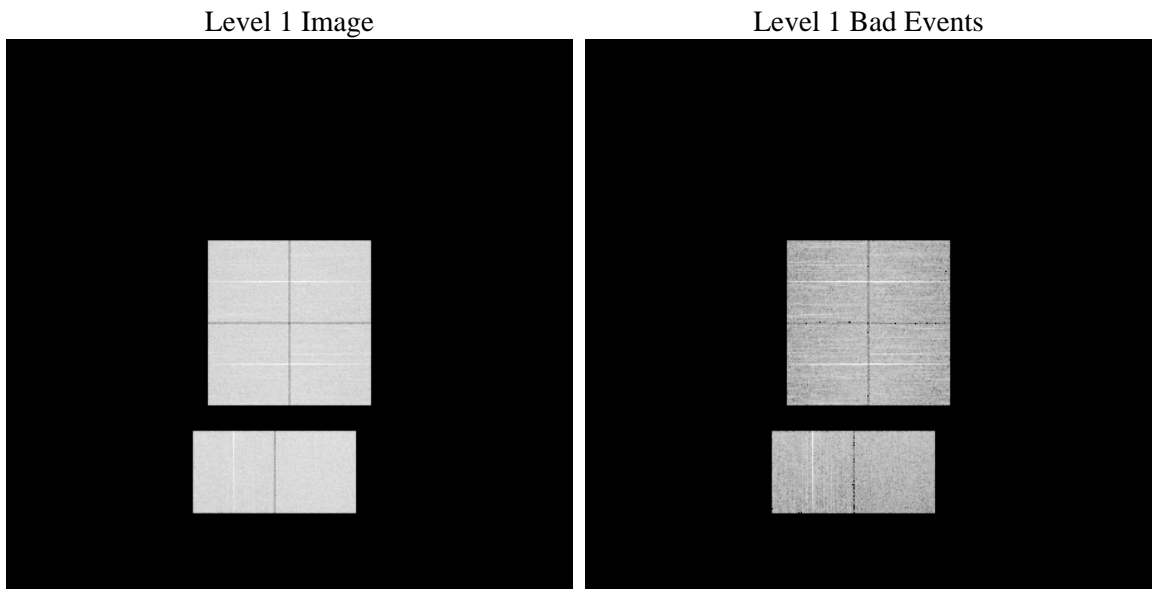
# 1 Front

seq_num	&#160	Sequence number
obs_id	59061	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	191.97859574622	Nominal RA [deg]
dec_nom	11.810680805531	Nominal Dec [deg]
roll_nom	119.78111845629	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7107.1999735236	Sum of GTIs [s]
livetime	7017.2043280168	Livetime [s]
ontime0	7103.9590231478	Sum of GTIs [s]
ontime1	7107.1999735236	Sum of GTIs [s]
ontime2	7107.1999735236	Sum of GTIs [s]
ontime3	7107.1999735236	Sum of GTIs [s]
ontime6	7103.9590032399	Sum of GTIs [s]
ontime7	7107.1999735236	Sum of GTIs [s]
l2events	855223	Number of level 2 events

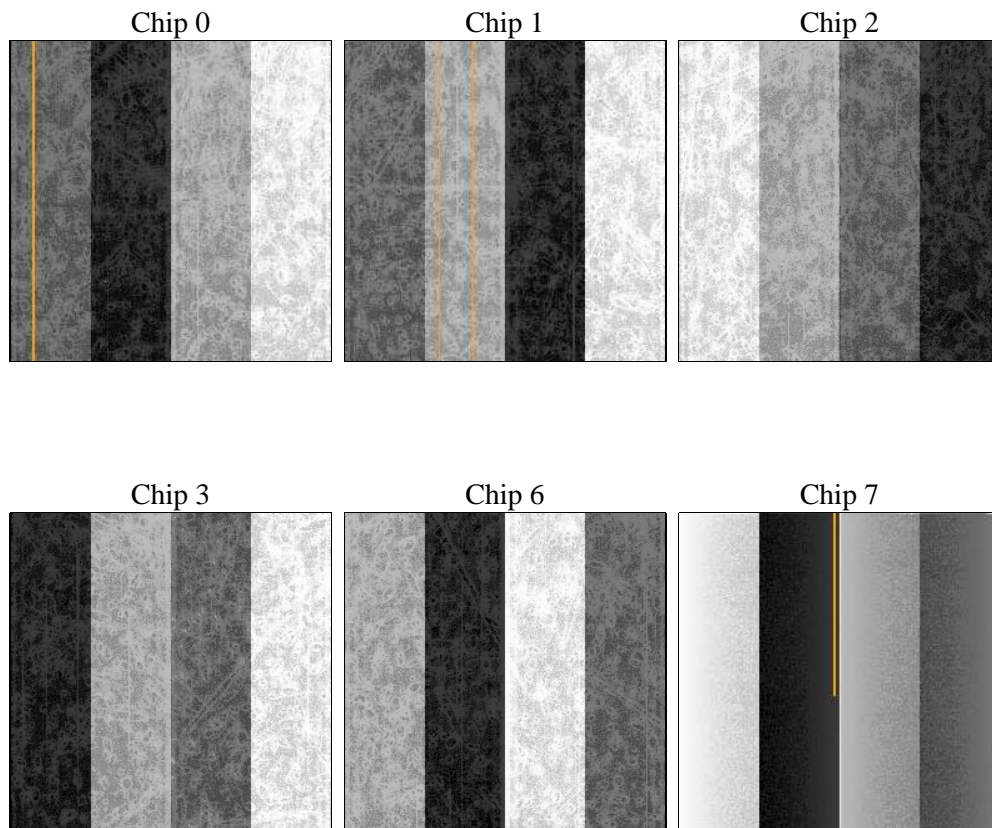
## 2 OBI

### 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	7107.1999735236	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	7103.9590231478	Sum of GTIs [s]
date	2012-03-28T05:50:34	Date and time of file creation	ontime1	7107.1999735236	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7107.1999735236	Sum of GTIs [s]
			ontime3	7107.1999735236	Sum of GTIs [s]
			ontime6	7103.9590032399	Sum of GTIs [s]
			ontime7	7107.1999735236	Sum of GTIs [s]
			l1events	1245813	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	202134	201402	203982	207447	209385	221463	grade 0 events	78027	78239	80039	80852	80923	38723
rejected events	58418	56688	59728	61562	58345	50695		38%	38%	39%	38%	38%	17%
rejected %	28%	28%	29%	29%	27%	22%	grade 1 events	526	453	619	570	475	157
								0%	0%	0%	0%	0%	0%
							grade 2 events	25306	26009	24479	24926	26563	37252
								12%	12%	12%	12%	12%	16%
							grade 3 events	9414	9085	9624	9653	9333	16846
								4%	4%	4%	4%	4%	7%
							grade 4 events	9519	9281	9290	9713	9467	16663
								4%	4%	4%	4%	4%	7%
							grade 5 events	3203	3370	3143	3620	3546	8614
								1%	1%	1%	1%	1%	3%
							grade 6 events	21521	22176	20886	20814	24830	61359
								10%	11%	10%	10%	11%	27%
							grade 7 events	54618	52789	55902	57299	54248	41849
								27%	26%	27%	27%	25%	18%

## 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	191.9785957462201	Alternating exposures requested	N	N
[deg] Pointing Dec	0	11.81068080553053	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	119.78111845629			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	258842404.924647	258842403.89966			
Observation start date	2006-03-15T20:40:05	2006-03-15T20:40:03			
[s] Observation end time (MET)	258864057.025653	258864056.00066			
Observation end date	2006-03-16T02:40:57	2006-03-16T02:40:56			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1071999735236

### A.2 Comments