

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57400 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 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

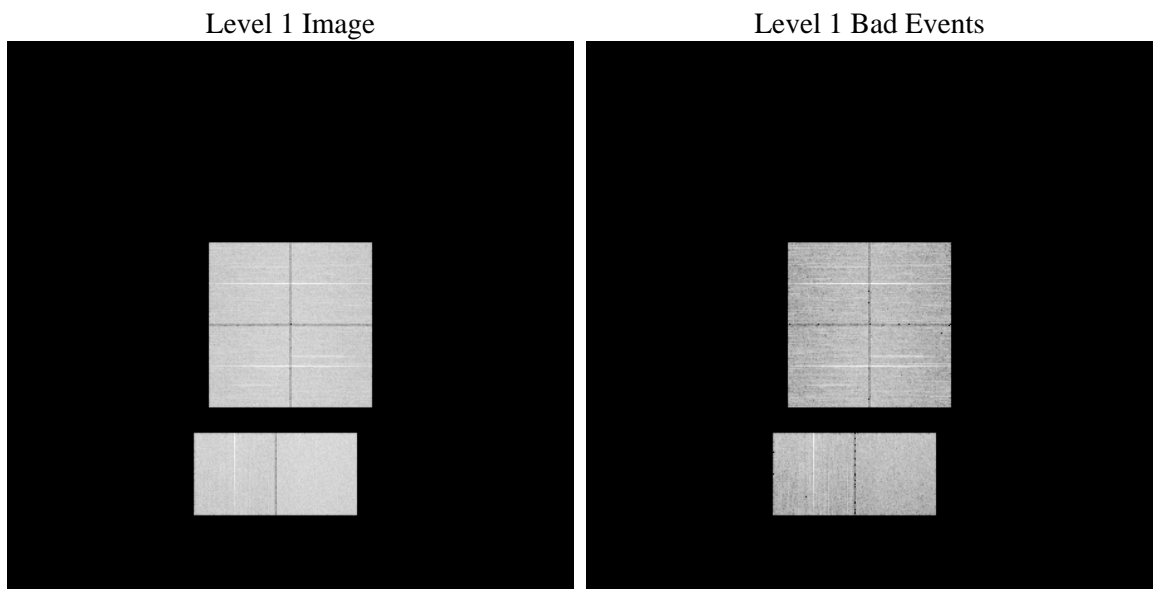
# 1 Front

seq_num	&#160	Sequence number
obs_id	57400	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	101.02490124486	Nominal RA [deg]
dec_nom	-0.98602185890099	Nominal Dec [deg]
roll_nom	347.95982266415	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime0	8278.3999692202	Sum of GTIs [s]
ontime1	8278.3999692202	Sum of GTIs [s]
ontime2	8278.3999692202	Sum of GTIs [s]
ontime3	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
l2events	522215	Number of level 2 events

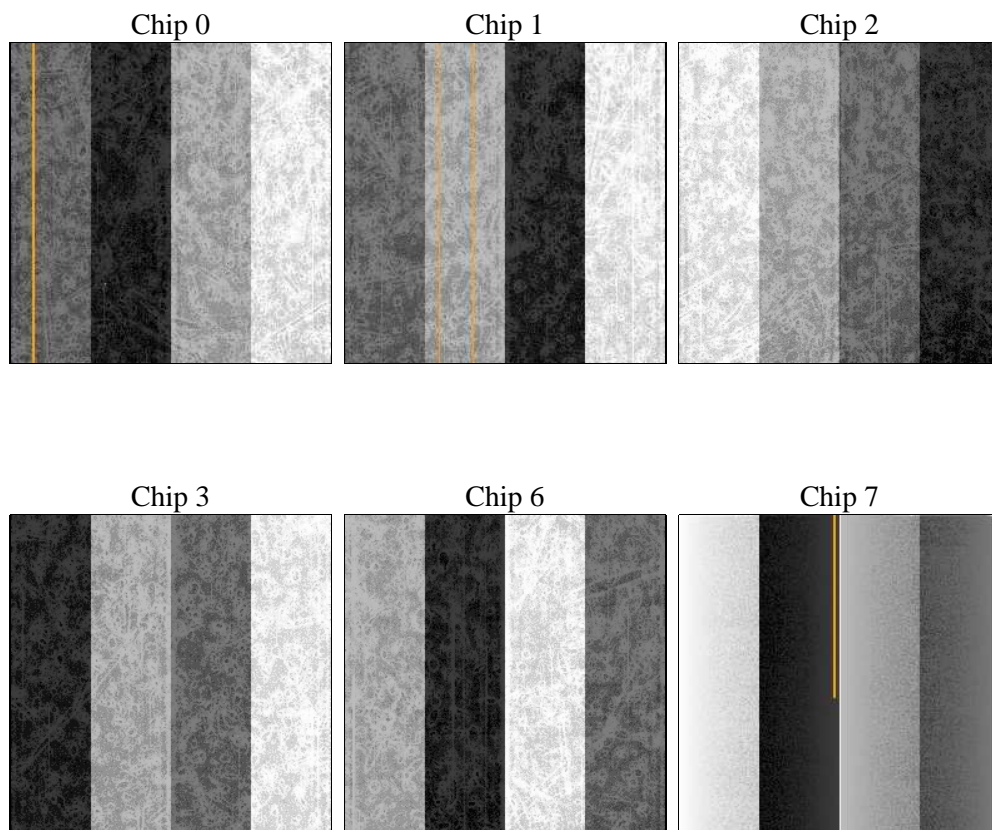
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8278.3999692202	Sum of GTIs [s]
date	2012-05-28T13:45:58	Date and time of file creation	ontime1	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8278.3999692202	Sum of GTIs [s]
			ontime3	8278.3999692202	Sum of GTIs [s]
			ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			l1events	977164	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	153530	154820	158849	158213	161991	189761	grade 0 events	45728	45285	46406	46698	46507	23347
rejected events	68282	69449	73912	72557	73354	68084		29%	29%	29%	29%	28%	12%
rejected %	44%	44%	46%	45%	45%	35%	grade 1 events	324	298	384	346	318	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	15429	15655	14470	14866	15972	26352
								10%	10%	9%	9%	9%	13%
							grade 3 events	5683	5663	5800	5872	5694	11272
								3%	3%	3%	3%	3%	5%
							grade 4 events	5680	5628	5746	5780	5702	11353
								3%	3%	3%	3%	3%	5%
							grade 5 events	3968	4125	3813	4455	4407	11123
								2%	2%	2%	2%	2%	5%
							grade 6 events	12728	13140	12515	12440	14762	49353
								8%	8%	7%	7%	9%	26%
							grade 7 events	63990	65026	69715	67756	68629	56816
								41%	42%	43%	42%	42%	29%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	101.0249012448579	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9860218589009904	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	347.959822664145	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	347532152.941329	347532151.91632			
Observation start date	2009-01-05T08:42:33	2009-01-05T08:42:31			
[s] Observation end time (MET)	347544614.891945	347544613.86694			
Observation end date	2009-01-05T12:10:15	2009-01-05T12:10:13			
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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

### **A.2 Comments**