

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59202 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 21 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

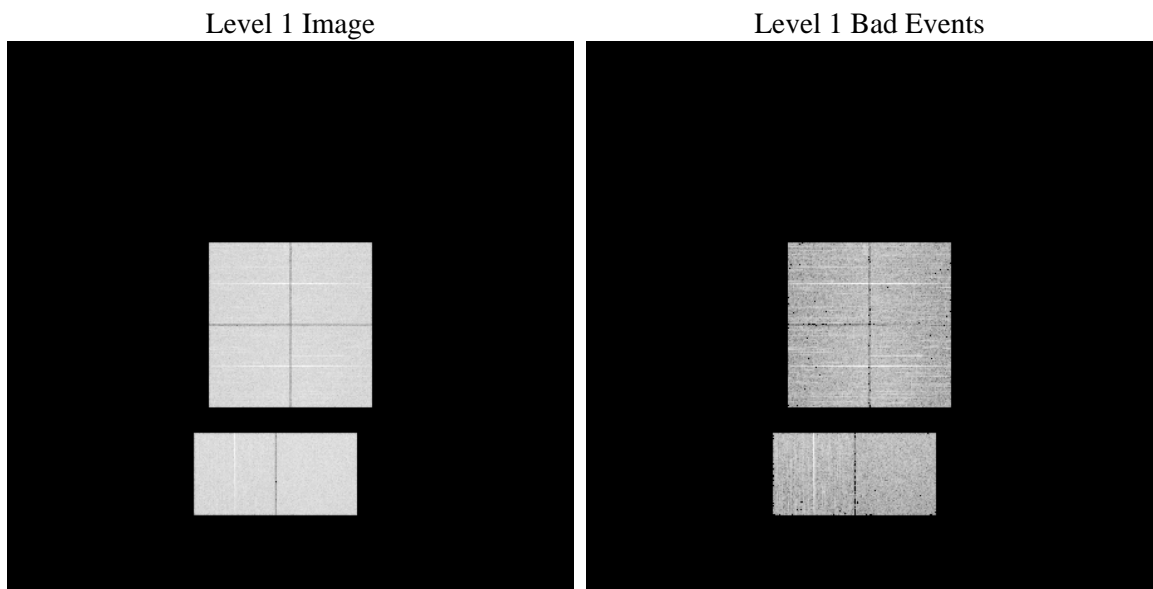
# 1 Front

seq_num	&#160	Sequence number
obs_id	59202	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	82.428572739154	Nominal RA [deg]
dec_nom	-0.20186020697124	Nominal Dec [deg]
roll_nom	323.43299719386	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5688.1848835945	Sum of GTIs [s]
livetime	5616.1576615847	Livetime [s]
ontime0	5688.1438435912	Sum of GTIs [s]
ontime1	5688.1028035879	Sum of GTIs [s]
ontime2	5681.5798130929	Sum of GTIs [s]
ontime3	5688.2259235978	Sum of GTIs [s]
ontime6	5688.0207236111	Sum of GTIs [s]
ontime7	5688.1848835945	Sum of GTIs [s]
l2events	692589	Number of level 2 events

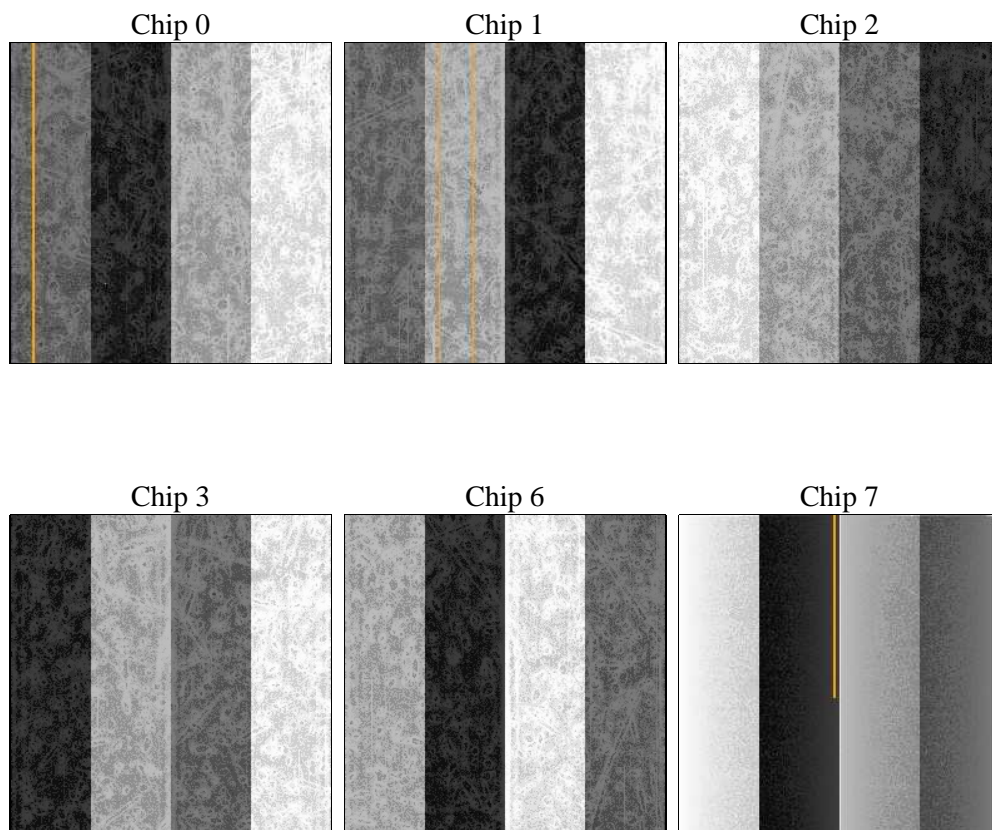
## 2 OBI

### 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	5688.1848835945	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5688.1438435912	Sum of GTIs [s]
date	2012-03-22T00:54:04	Date and time of file creation	ontime1	5688.1028035879	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5681.5798130929	Sum of GTIs [s]
			ontime3	5688.2259235978	Sum of GTIs [s]
			ontime6	5688.0207236111	Sum of GTIs [s]
			ontime7	5688.1848835945	Sum of GTIs [s]
			l1events	970808	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	157244	156189	159532	161373	165157	171313	grade 0 events	64167	63386	65858	66355	66187	31652
rejected events	40320	39208	41567	42729	42435	35805		40%	40%	41%	41%	40%	18%
rejected %	25%	25%	26%	26%	25%	20%	grade 1 events	395	338	414	409	341	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	20465	21071	20116	20430	21388	29493
								13%	13%	12%	12%	12%	17%
							grade 3 events	7630	7680	7611	7992	7754	13546
								4%	4%	4%	4%	4%	7%
							grade 4 events	7482	7548	7804	7709	7840	13395
								4%	4%	4%	4%	4%	7%
							grade 5 events	2323	2535	2333	2604	2622	6308
								1%	1%	1%	1%	1%	3%
							grade 6 events	17246	17363	16655	16232	19620	47502
								10%	11%	10%	10%	11%	27%
							grade 7 events	37536	36268	38741	39642	39405	29302
								23%	23%	24%	24%	23%	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	82.42857273915432	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.2018602069712373	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	323.4329971938583			
[mm] SIM focus pos	-0.782348	-1.526339935833849			
[mm] SIM defocus	0	0.006996703570447904			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	252441826.977569	252441825.95257			
Observation start date	2005-12-31T18:43:47	2005-12-31T18:43:45			
[s] Observation end time (MET)	252459005.978365	252459004.95337			
Observation end date	2005-12-31T23:30:06	2005-12-31T23:30:04			
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)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6881848835945

### A.2 Comments