

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55383 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 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

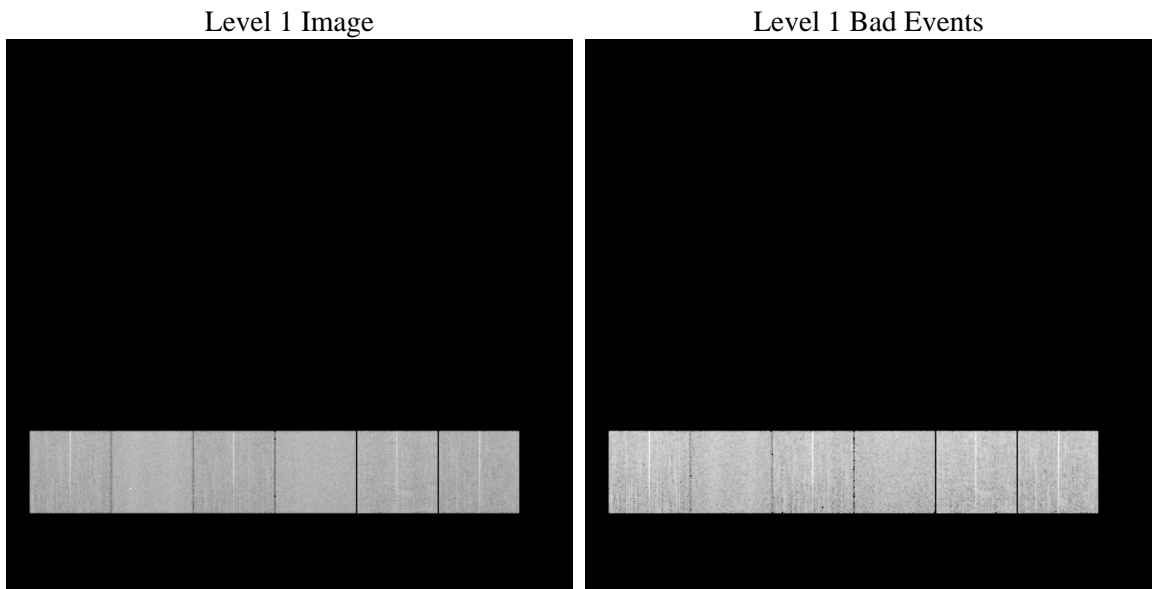
# 1 Front

seq_num	&#160	Sequence number
obs_id	55383	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	11.86361970323	Nominal RA [deg]
dec_nom	44.521528521113	Nominal Dec [deg]
roll_nom	84.449659297239	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	340184	Number of level 2 events

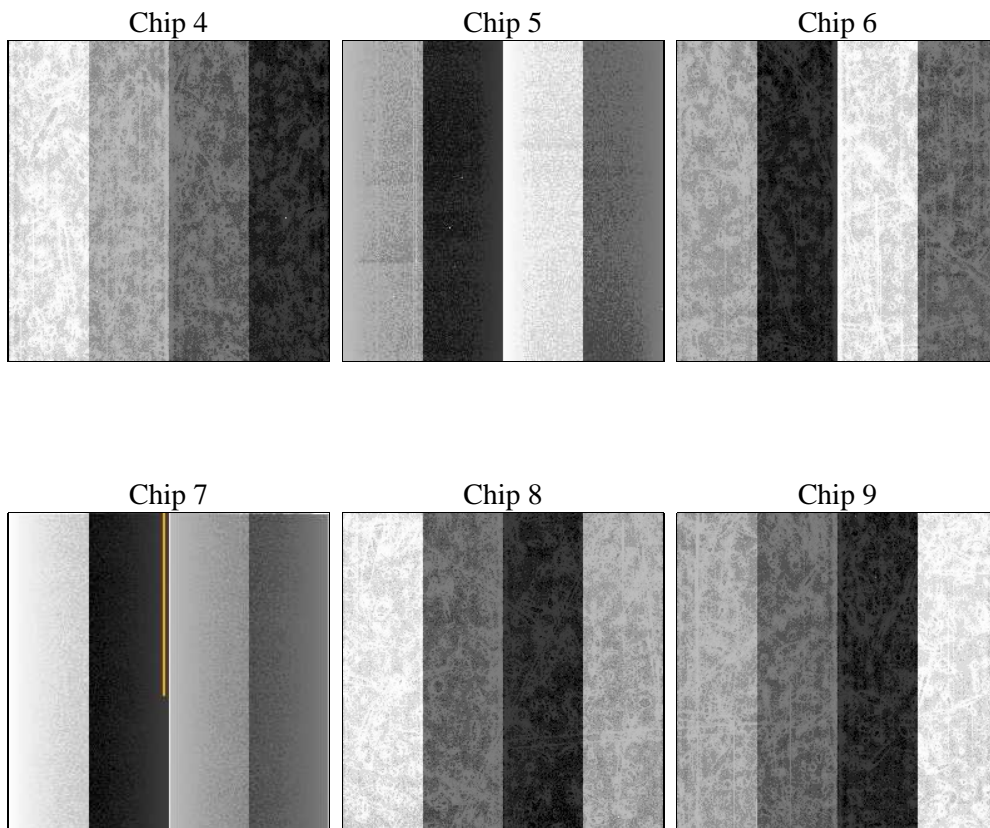
## 2 OBI

### 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	8278.3999692202	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime4	8278.3999692202	Sum of GTIs [s]
date	2012-02-11T17:17:25	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	760326	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	116991	143677	115651	138940	130787	114280	grade 0 events	27741	7390	22146	12462	28779	25073
rejected events	68728	63568	65228	59661	69000	64696		23%	5%	19%	8%	22%	21%
rejected %	58%	44%	56%	42%	52%	56%	grade 1 events	230	172	109	108	133	120
								0%	0%	0%	0%	0%	0%
							grade 2 events	7368	29724	13237	17826	12686	9698
								6%	20%	11%	12%	9%	8%
							grade 3 events	3448	2753	2778	6642	4302	3284
								2%	1%	2%	4%	3%	2%
							grade 4 events	3454	2588	2794	6332	4296	3143
								2%	1%	2%	4%	3%	2%
							grade 5 events	3349	6867	3209	8325	4381	3798
								2%	4%	2%	5%	3%	3%
							grade 6 events	6252	37654	9468	36017	11724	8386
								5%	26%	8%	25%	8%	7%
							grade 7 events	65149	56529	61910	51228	64486	60778
								55%	39%	53%	36%	49%	53%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	11.86361970323048	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	44.52152852111332	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	84.44965929723946	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	423380834.541669	423380833.51668			
Observation start date	2011-06-02T05:47:15	2011-06-02T05:47:13			
[s] Observation end time (MET)	423392148.492257	423392147.46727			
Observation end date	2011-06-02T08:55:48	2011-06-02T08:55:47			
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

## A.2 Comments