

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58142 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 3 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

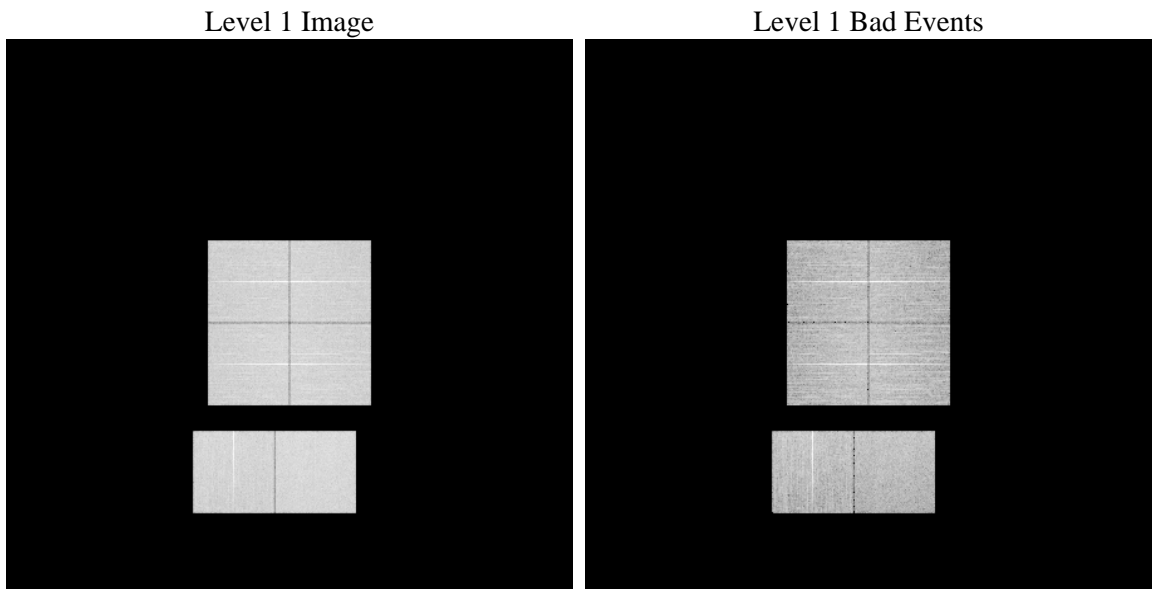
# 1 Front

seq_num	&#160	Sequence number
obs_id	58142	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	44.219585889514	Nominal RA [deg]
dec_nom	-13.477690834733	Nominal Dec [deg]
roll_nom	11.254403037024	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8159.4165662527	Sum of GTIs [s]
livetime	8056.09712068	Livetime [s]
ontime0	8159.3755262494	Sum of GTIs [s]
ontime1	8159.3344862461	Sum of GTIs [s]
ontime2	8156.0524559617	Sum of GTIs [s]
ontime3	8159.457606256	Sum of GTIs [s]
ontime6	8159.2524062395	Sum of GTIs [s]
ontime7	8159.4165662527	Sum of GTIs [s]
l2events	661273	Number of level 2 events

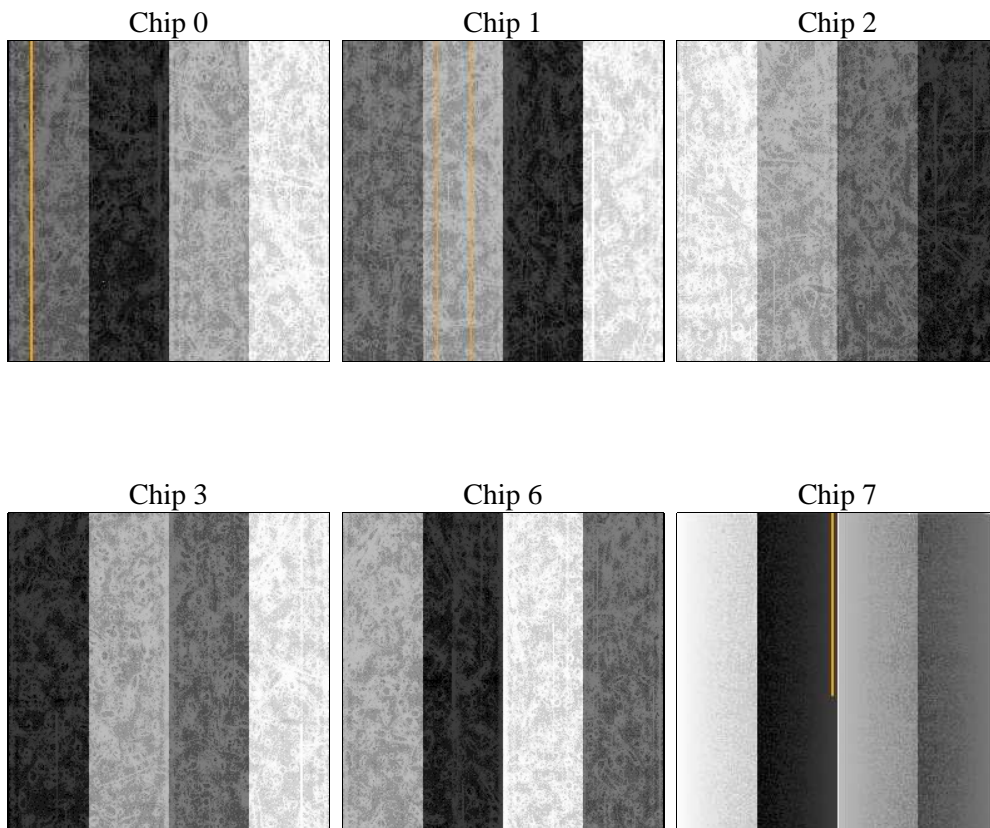
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8159.4165662527	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8159.3755262494	Sum of GTIs [s]
date	2012-05-04T02:49:46	Date and time of file creation	ontime1	8159.3344862461	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8156.0524559617	Sum of GTIs [s]
			ontime3	8159.457606256	Sum of GTIs [s]
			ontime6	8159.2524062395	Sum of GTIs [s]
			ontime7	8159.4165662527	Sum of GTIs [s]
			l1events	1144168	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	181296	179873	188221	188997	192201	213580	grade 0 events	59444	59172	60841	61670	61421	30203
rejected events	72585	70051	78620	78736	78243	68355		32%	32%	32%	32%	31%	14%
rejected %	40%	38%	41%	41%	40%	32%	grade 1 events	436	366	465	483	415	174
								0%	0%	0%	0%	0%	0%
							grade 2 events	19648	20420	19139	19234	20491	31858
								10%	11%	10%	10%	10%	14%
							grade 3 events	7480	7255	7371	7435	7453	14026
								4%	4%	3%	3%	3%	6%
							grade 4 events	7318	7239	7519	7570	7330	13817
								4%	4%	3%	4%	3%	6%
							grade 5 events	3978	4174	3719	4317	4342	10913
								2%	2%	1%	2%	2%	5%
							grade 6 events	16350	17202	16188	15915	18933	57456
								9%	9%	8%	8%	9%	26%
							grade 7 events	66642	64045	72979	72373	71816	55133
								36%	35%	38%	38%	37%	25%

## 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	44.21958588951383	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-13.47769083473259	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	11.25440303702378			
[mm] SIM focus pos	-0.782348	-1.526339935833849			
[mm] SIM defocus	0	0.006996703570447904			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	310512649.172769	310512648.14776			
Observation start date	2007-11-03T21:30:49	2007-11-03T21:30:48			
[s] Observation end time (MET)	310536295.923909	310536294.8989			
Observation end date	2007-11-04T04:04:56	2007-11-04T04:04:54			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1594165662527

### **A.2 Comments**