

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57090 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 7 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

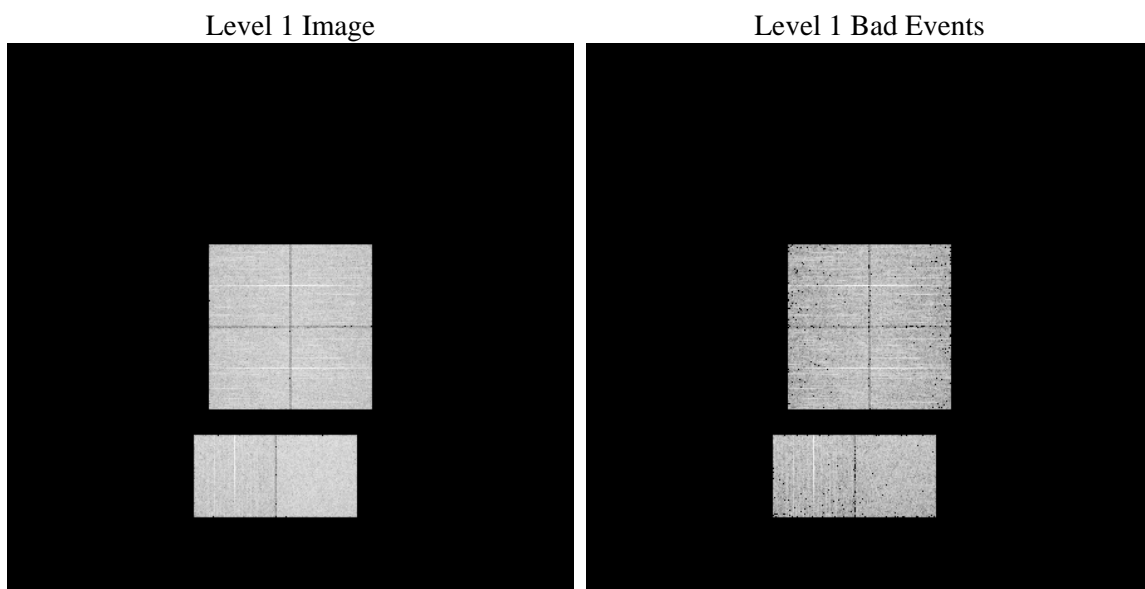
# 1 Front

seq_num	&#160	Sequence number
obs_id	57090	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	246.03002095585	Nominal RA [deg]
dec_nom	-44.980751566888	Nominal Dec [deg]
roll_nom	9.4532428702631	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3038.8218922019	Sum of GTIs [s]
livetime	3000.342499644	Livetime [s]
ontime0	3038.7808521986	Sum of GTIs [s]
ontime1	3038.7398121953	Sum of GTIs [s]
ontime2	3038.698772192	Sum of GTIs [s]
ontime3	3038.8629322052	Sum of GTIs [s]
ontime6	3038.6577321887	Sum of GTIs [s]
ontime7	3038.8218922019	Sum of GTIs [s]
l2events	178763	Number of level 2 events

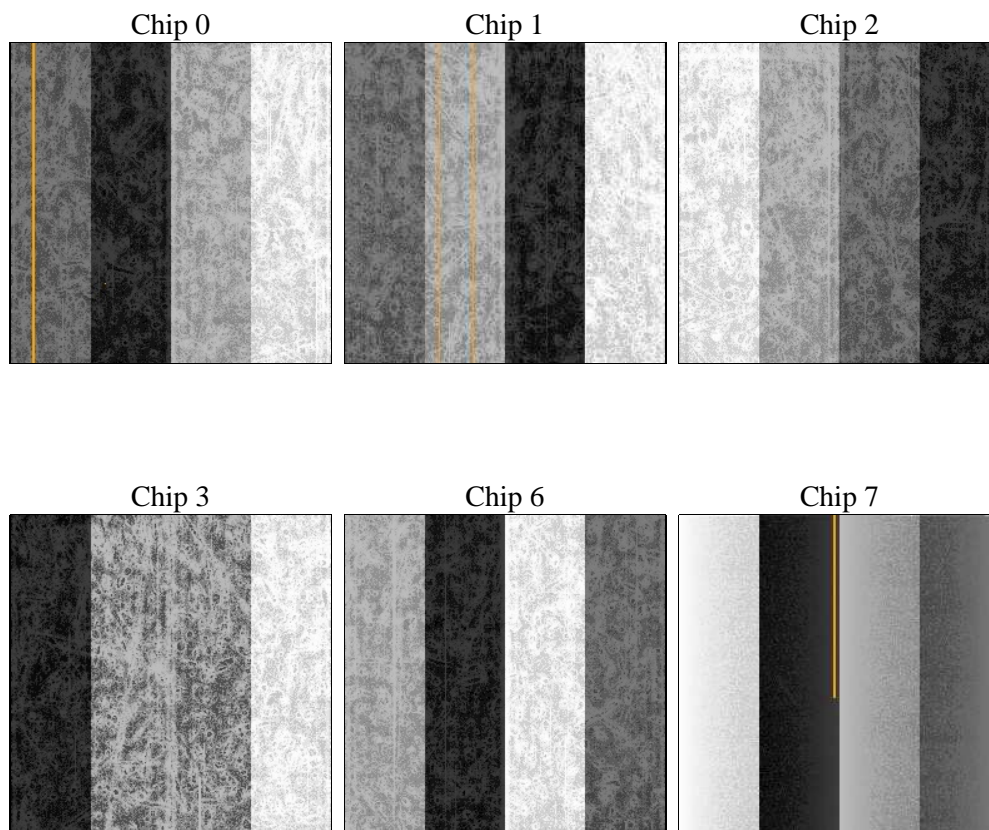
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	3038.8218922019	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime0	3038.7808521986	Sum of GTIs [s]
date	2012-06-07T17:51:59	Date and time of file creation	ontime1	3038.7398121953	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3038.698772192	Sum of GTIs [s]
			ontime3	3038.8629322052	Sum of GTIs [s]
			ontime6	3038.6577321887	Sum of GTIs [s]
			ontime7	3038.8218922019	Sum of GTIs [s]
			l1events	380782	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	59349	60068	61448	61743	62726	75448	grade 0 events	16593	16296	16902	17011	16807	8718
rejected events	30465	31123	32626	32660	32681	32261		27%	27%	27%	27%	26%	11%
rejected %	51%	51%	53%	52%	52%	42%	grade 1 events	125	104	126	126	115	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	5522	5859	5257	5535	5812	10126
								9%	9%	8%	8%	9%	13%
							grade 3 events	2068	2089	2153	2081	2170	4462
								3%	3%	3%	3%	3%	5%
							grade 4 events	2121	2048	2196	2139	2076	4231
								3%	3%	3%	3%	3%	5%
							grade 5 events	1646	1649	1596	1775	1761	4650
								2%	2%	2%	2%	2%	6%
							grade 6 events	4740	4862	4531	4542	5488	18998
								7%	8%	7%	7%	8%	25%
							grade 7 events	26534	27161	28687	28534	28497	24205
								44%	45%	46%	46%	45%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	246.0300209558497
[deg] Pointing Dec	0	-44.98075156688808
[deg] Pointing Roll	0.0	9.453242870263063
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	359604191.491006	359604191.491006
Observation start date	2009-05-25T02:03:11	2009-05-25T02:03:11
[s] Observation end time (MET)	359608738.079152	359608738.079152
Observation end date	2009-05-25T03:18:58	2009-05-25T03:18:58
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0388218922019

### **A.2 Comments**