

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62088 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 25 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

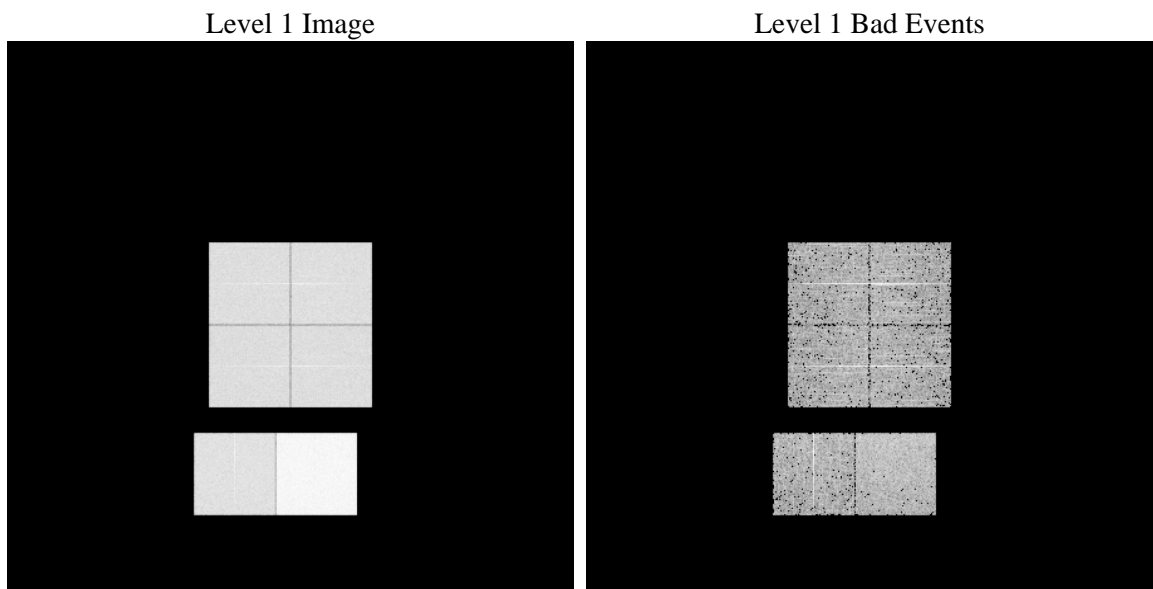
# 1 Front

seq_num	&#160	Sequence number
obs_id	62088	Observation id
title	ACIS-012367 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	86.007701358231	Nominal RA [deg]
dec_nom	-30.028074542788	Nominal Dec [deg]
roll_nom	251.03001346109	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4904.0824587047	Sum of GTIs [s]
livetime	4841.9840137287	Livetime [s]
ontime0	2051.5768388212	Sum of GTIs [s]
ontime1	2096.9513189346	Sum of GTIs [s]
ontime2	1964.0687092096	Sum of GTIs [s]
ontime3	1989.996999234	Sum of GTIs [s]
ontime6	2161.7719094306	Sum of GTIs [s]
ontime7	4904.0824587047	Sum of GTIs [s]
l2events	1286849	Number of level 2 events

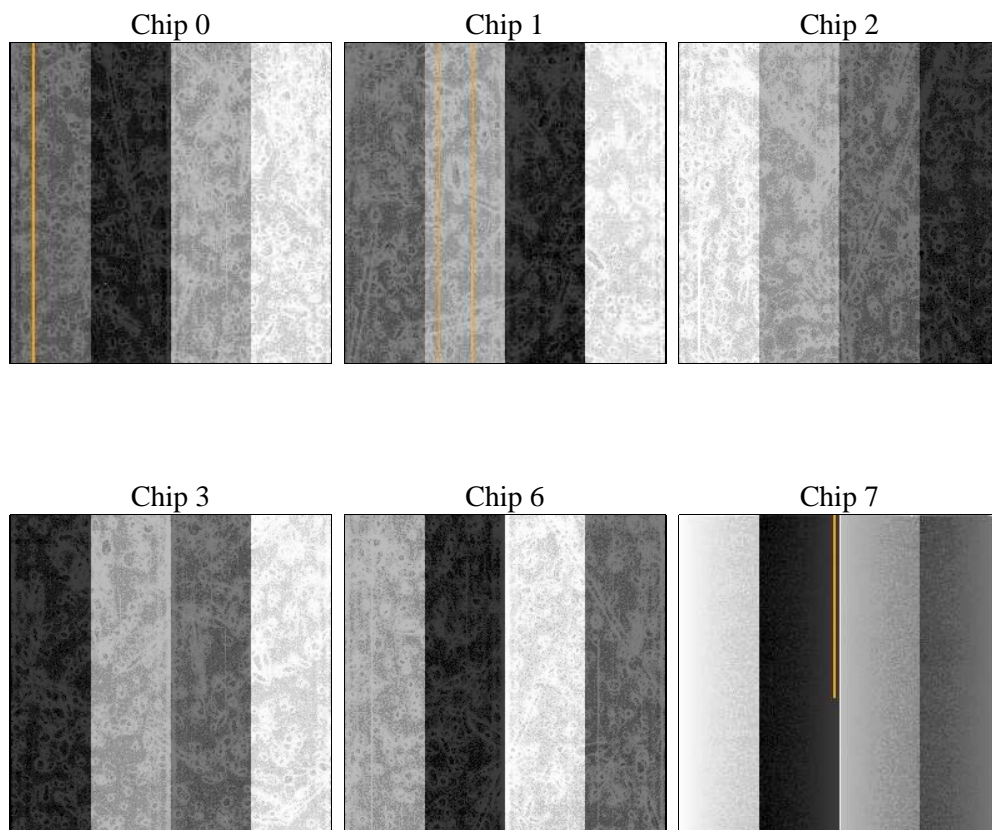
## 2 OBI

### 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	4904.0824587047	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2051.5768388212	Sum of GTIs [s]
date	2012-08-25T17:51:07	Date and time of file creation	ontime1	2096.9513189346	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	1964.0687092096	Sum of GTIs [s]
			ontime3	1989.996999234	Sum of GTIs [s]
			ontime6	2161.7719094306	Sum of GTIs [s]
			ontime7	4904.0824587047	Sum of GTIs [s]
			l1events	1467639	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	196135	201227	191078	193155	218186	467858	grade 0 events	97292	99533	95187	96599	107656	114485
rejected events	19359	20561	19853	19799	20883	27048		49%	49%	49%	50%	49%	24%
rejected %	9%	10%	10%	10%	9%	5%	grade 1 events	612	581	600	644	654	320
								0%	0%	0%	0%	0%	0%
							grade 2 events	31253	31552	29933	30227	33989	97808
								15%	15%	15%	15%	15%	20%
							grade 3 events	11349	11619	10788	10812	12159	45216
								5%	5%	5%	5%	5%	9%
							grade 4 events	11071	11326	10714	10956	12055	44539
								5%	5%	5%	5%	5%	9%
							grade 5 events	1482	1424	1323	1443	1636	6092
								0%	0%	0%	0%	0%	1%
							grade 6 events	25811	26636	24603	24762	31444	139067
								13%	13%	12%	12%	14%	29%
							grade 7 events	17265	18556	17930	17712	18593	20331
								8%	9%	9%	9%	8%	4%

## 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	86.00770135823086	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-30.02807454278765	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	251.0300134610878			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	71723712.44818801	71723711.67972399			
Observation start date	2000-04-10T03:15:12	2000-04-10T03:15:11			
[s] Observation end time (MET)	71772891.94999	71772891.181527			
Observation end date	2000-04-10T16:54:52	2000-04-10T16:54:51			
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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9040824587047

### **A.2 Comments**