

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61891 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 5 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

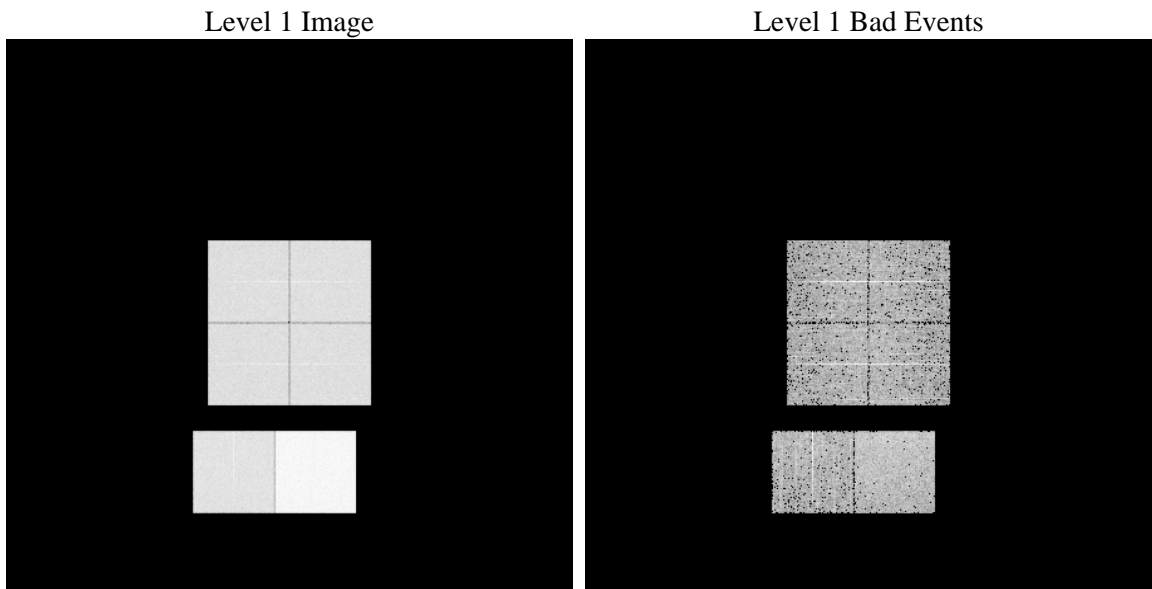
# 1 Front

seq_num	&#160	Sequence number
obs_id	61891	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	334.1209077593	Nominal RA [deg]
dec_nom	-46.628015937844	Nominal Dec [deg]
roll_nom	315.41140411961	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5369.6645762324	Sum of GTIs [s]
livetime	5301.6706501443	Livetime [s]
ontime0	2356.2340899408	Sum of GTIs [s]
ontime1	2356.2340401411	Sum of GTIs [s]
ontime2	2251.6998618394	Sum of GTIs [s]
ontime3	2275.2081998587	Sum of GTIs [s]
ontime6	2502.0809494108	Sum of GTIs [s]
ontime7	5369.6645762324	Sum of GTIs [s]
l2events	1263045	Number of level 2 events

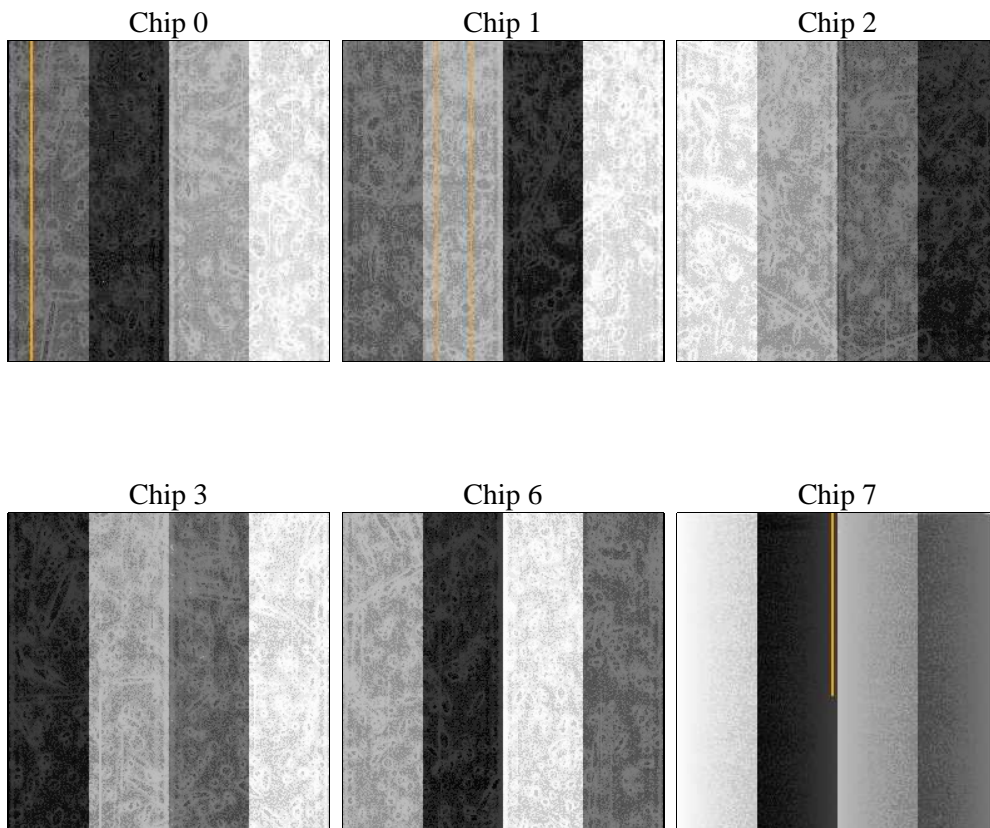
## 2 OBI

### 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	5369.6645762324	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2356.2340899408	Sum of GTIs [s]
date	2012-09-05T22:44:35	Date and time of file creation	ontime1	2356.2340401411	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2251.6998618394	Sum of GTIs [s]
			ontime3	2275.2081998587	Sum of GTIs [s]
			ontime6	2502.0809494108	Sum of GTIs [s]
			ontime7	5369.6645762324	Sum of GTIs [s]
			l1events	1431568	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	193471	195130	190123	192458	218100	442286	grade 0 events	97042	97890	95733	97393	108537	108196
rejected events	16981	17571	18056	18008	19382	25326		50%	50%	50%	50%	49%	24%
rejected %	8%	9%	9%	9%	8%	5%	grade 1 events	495	465	468	484	498	294
								0%	0%	0%	0%	0%	0%
							grade 2 events	31234	31284	30326	30781	34536	92626
								16%	16%	15%	15%	15%	20%
							grade 3 events	11106	11509	10980	11240	12370	42728
								5%	5%	5%	5%	5%	9%
							grade 4 events	11311	11207	10891	10926	12222	42530
								5%	5%	5%	5%	5%	9%
							grade 5 events	1321	1321	1309	1398	1644	5760
								0%	0%	0%	0%	0%	1%
							grade 6 events	25797	25669	24137	24110	31053	130880
								13%	13%	12%	12%	14%	29%
							grade 7 events	15165	15785	16279	16126	17240	19272
								7%	8%	8%	8%	7%	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	334.1209077592998	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-46.62801593784354	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	315.4114041196137			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	87260845.474461	87260844.706018			
Observation start date	2000-10-06T23:07:25	2000-10-06T23:07:24			
[s] Observation end time (MET)	87306896.67619801	87306895.90775999			
Observation end date	2000-10-07T11:54:57	2000-10-07T11:54:55			
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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3696645762324

### A.2 Comments