

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61184 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 8 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

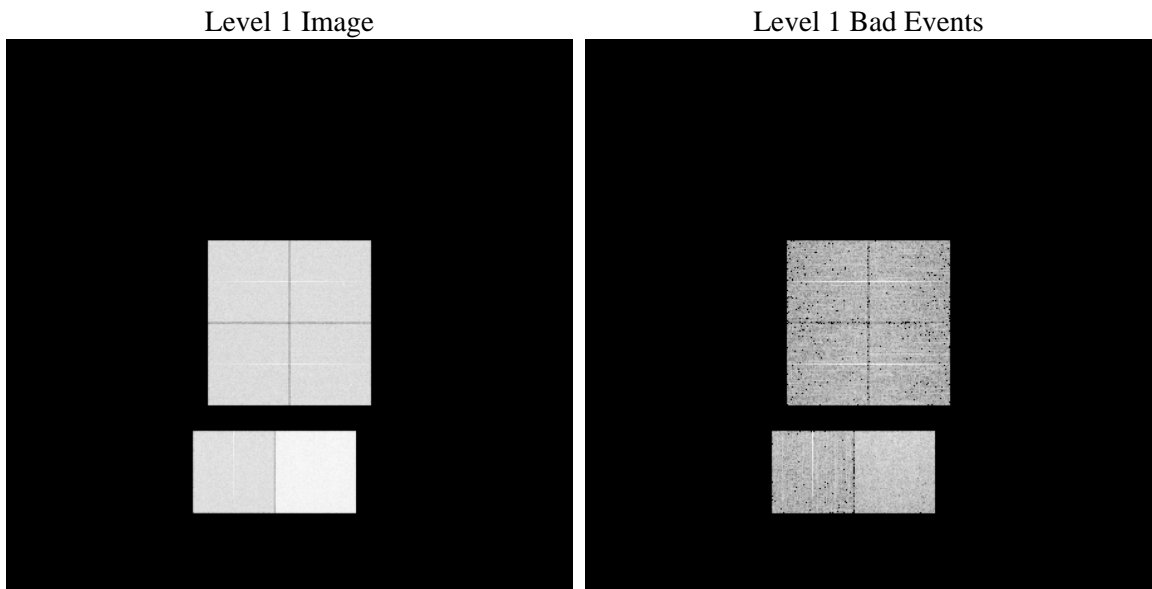
# 1 Front

seq_num	&#160	Sequence number
obs_id	61184	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	289.98217678417	Nominal RA [deg]
dec_nom	-29.975903998772	Nominal Dec [deg]
roll_nom	89.834399288434	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8459.8941991925	Sum of GTIs [s]
livetime	8352.7699249056	Livetime [s]
ontime0	3710.9831582606	Sum of GTIs [s]
ontime1	3711.7794224322	Sum of GTIs [s]
ontime2	3490.5933056176	Sum of GTIs [s]
ontime3	3587.8251031935	Sum of GTIs [s]
ontime6	3902.9166791737	Sum of GTIs [s]
ontime7	8459.8941991925	Sum of GTIs [s]
l2events	1319044	Number of level 2 events

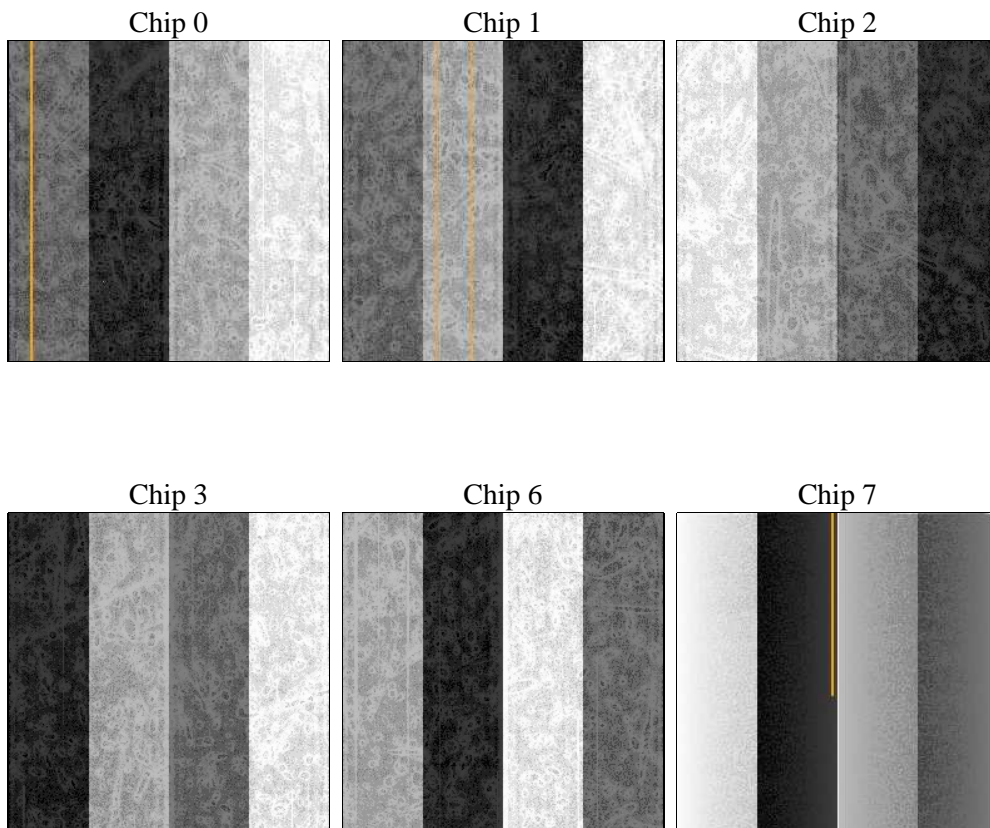
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8459.8941991925	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3710.9831582606	Sum of GTIs [s]
date	2012-10-08T10:41:14	Date and time of file creation	ontime1	3711.7794224322	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3490.5933056176	Sum of GTIs [s]
			ontime3	3587.8251031935	Sum of GTIs [s]
			ontime6	3902.9166791737	Sum of GTIs [s]
			ontime7	8459.8941991925	Sum of GTIs [s]
			l1events	1558341	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	210277	212185	203077	209563	234513	488726	grade 0 events	101513	101983	97727	101496	111672	110444
rejected events	25286	26618	26374	27883	29567	46532		48%	48%	48%	48%	47%	22%
rejected %	12%	12%	12%	13%	12%	9%	grade 1 events	540	513	494	517	541	343
								0%	0%	0%	0%	0%	0%
							grade 2 events	32753	33043	31083	31754	35077	98170
								15%	15%	15%	15%	14%	20%
							grade 3 events	11719	11719	11133	11403	12710	44352
								5%	5%	5%	5%	5%	9%
							grade 4 events	11825	11821	11190	11447	12633	44484
								5%	5%	5%	5%	5%	9%
							grade 5 events	1839	1845	1693	1880	2104	9266
								0%	0%	0%	0%	0%	1%
							grade 6 events	27181	27150	25570	25580	33032	144908
								12%	12%	12%	12%	14%	29%
							grade 7 events	22907	24111	24187	25486	26744	36759
								10%	11%	11%	12%	11%	7%

## 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	289.982176784173	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.97590399877204	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	89.83439928843396			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	138704160.704	138704159.67953			
Observation start date	2002-05-25T08:56:01	2002-05-25T08:55:59			
[s] Observation end time (MET)	138726692.255	138726691.23045			
Observation end date	2002-05-25T15:11:32	2002-05-25T15:11:31			
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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4598941991925

### **A.2 Comments**