

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54965 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 29 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

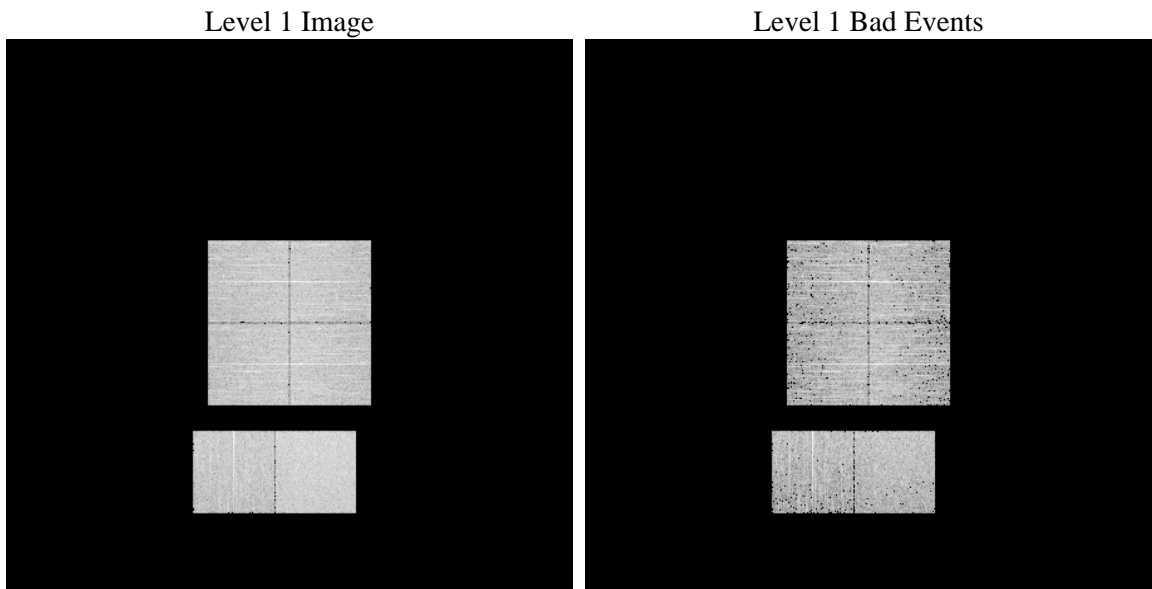
# 1 Front

seq_num	&#160	Sequence number
obs_id	54965	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	87.164026128025	Nominal RA [deg]
dec_nom	47.875937474454	Nominal Dec [deg]
roll_nom	193.10834573338	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4524.7999832034	Sum of GTIs [s]
livetime	4467.5042413086	Livetime [s]
ontime0	4524.7999832034	Sum of GTIs [s]
ontime1	4524.7999832034	Sum of GTIs [s]
ontime2	4524.7999832034	Sum of GTIs [s]
ontime3	4524.7999832034	Sum of GTIs [s]
ontime6	4524.7999832034	Sum of GTIs [s]
ontime7	4524.7999832034	Sum of GTIs [s]
l2events	154158	Number of level 2 events

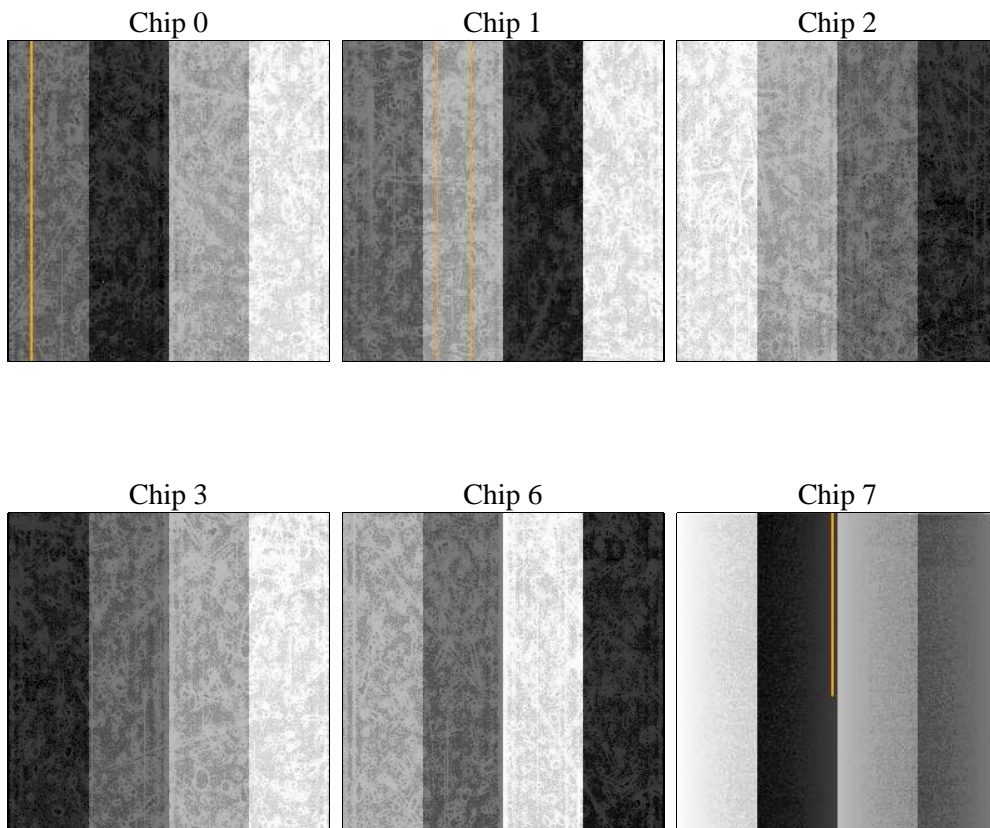
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	4524.7999832034	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	4524.7999832034	Sum of GTIs [s]
date	2012-02-29T14:22:50	Date and time of file creation	ontime1	4524.7999832034	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4524.7999832034	Sum of GTIs [s]
			ontime3	4524.7999832034	Sum of GTIs [s]
			ontime6	4524.7999832034	Sum of GTIs [s]
			ontime7	4524.7999832034	Sum of GTIs [s]
			l1events	343259	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	52591	54286	53296	56015	54355	72716	grade 0 events	12779	12567	13002	13150	12915	6722
rejected events	28364	29694	29127	31432	29087	32245		24%	23%	24%	23%	23%	9%
rejected %	53%	54%	54%	56%	53%	44%	grade 1 events	83	76	103	79	68	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	4441	4721	4298	4298	4680	8741
								8%	8%	8%	7%	8%	12%
							grade 3 events	1682	1637	1625	1722	1660	3717
								3%	3%	3%	3%	3%	5%
							grade 4 events	1617	1716	1615	1680	1672	3582
								3%	3%	3%	2%	3%	4%
							grade 5 events	1915	1913	1833	2115	2016	4942
								3%	3%	3%	3%	3%	6%
							grade 6 events	3708	3951	3629	3748	4341	17709
								7%	7%	6%	6%	7%	24%
							grade 7 events	26366	27705	27191	29223	27003	27245
								50%	51%	51%	52%	49%	37%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	87.16402612802463	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	47.87593747445358	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	193.108345733382	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	441175408.889771	441175407.86477			
Observation start date	2011-12-25T04:43:29	2011-12-25T04:43:27			
[s] Observation end time (MET)	441181567.090097	441181566.06509			
Observation end date	2011-12-25T06:26:07	2011-12-25T06:26:06			
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5247999832034

### **A.2 Comments**