

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59065 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 28 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

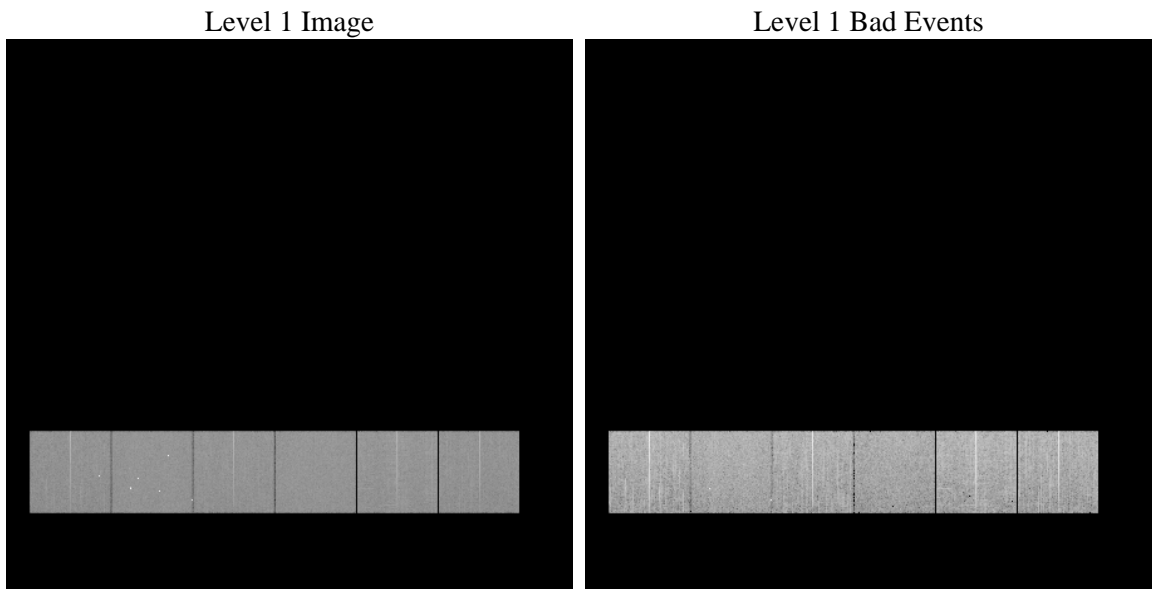
# 1 Front

seq_num	&#160	Sequence number
obs_id	59065	Observation id
title	ACIS-456789 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	200.39504158523	Nominal RA [deg]
dec_nom	-7.9723824023461	Nominal Dec [deg]
roll_nom	69.113940977307	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999709725	Sum of GTIs [s]
livetime	7693.332975561	Livetime [s]
ontime4	7629.9504657984	Sum of GTIs [s]
ontime5	7791.9999709725	Sum of GTIs [s]
ontime6	7788.7589806914	Sum of GTIs [s]
ontime7	7791.9999709725	Sum of GTIs [s]
ontime8	7791.9999709725	Sum of GTIs [s]
ontime9	7678.5654300451	Sum of GTIs [s]
l2events	921805	Number of level 2 events

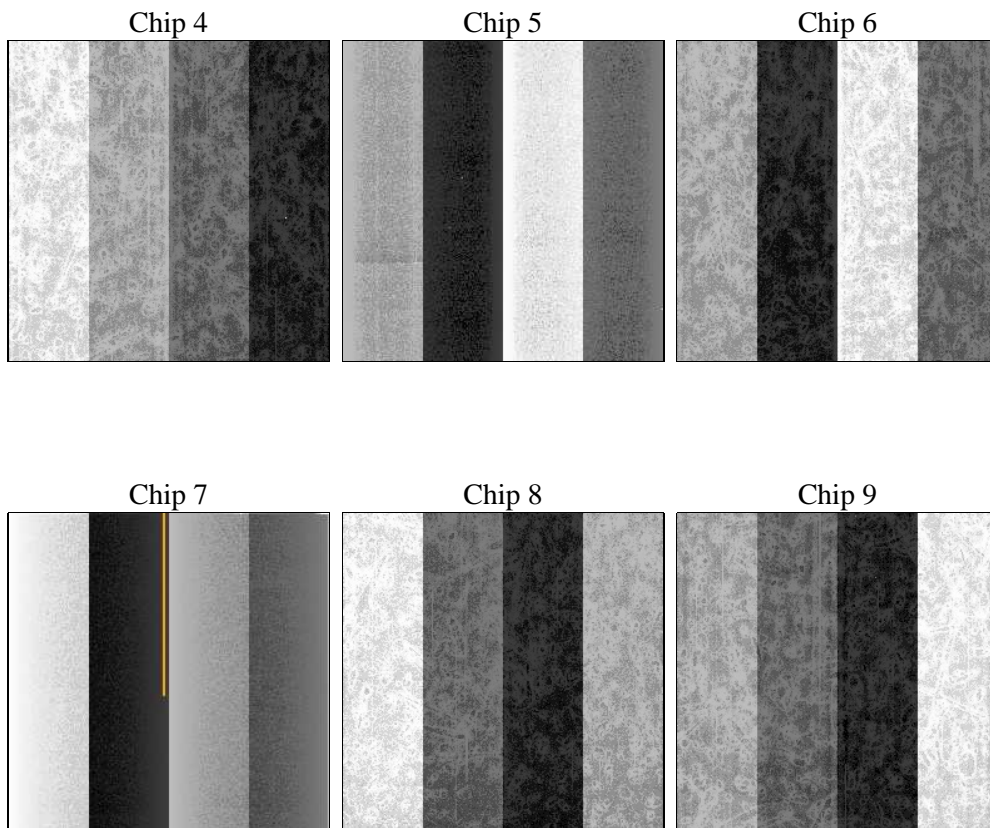
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	7791.9999709725	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7629.9504657984	Sum of GTIs [s]
date	2012-03-28T04:43:45	Date and time of file creation	ontime5	7791.9999709725	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7788.7589806914	Sum of GTIs [s]
			ontime7	7791.9999709725	Sum of GTIs [s]
			ontime8	7791.9999709725	Sum of GTIs [s]
			ontime9	7678.5654300451	Sum of GTIs [s]
			l1events	1392976	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	217119	239964	230189	237754	245703	222247	grade 0 events	86513	39913	87160	41247	90839	83622
rejected events	69025	61554	68082	54509	74306	69234		39%	16%	37%	17%	36%	37%
rejected %	31%	25%	29%	22%	30%	31%	grade 1 events	773	555	502	140	493	588
								0%	0%	0%	0%	0%	0%
							grade 2 events	22875	63591	28307	40371	30677	26238
								10%	26%	12%	16%	12%	11%
							grade 3 events	9856	9144	10385	17812	11569	9934
								4%	3%	4%	7%	4%	4%
							grade 4 events	9845	9084	10183	17905	11543	10029
								4%	3%	4%	7%	4%	4%
							grade 5 events	3755	9076	4099	9428	4987	4281
								1%	3%	1%	3%	2%	1%
							grade 6 events	19056	56745	26139	65974	26839	23248
								8%	23%	11%	27%	10%	10%
							grade 7 events	64446	51856	63414	44877	68756	64307
								29%	21%	27%	18%	27%	28%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	200.3950415852252
[deg] Pointing Dec	0	-7.97238240234611
[deg] Pointing Roll	0.0	69.11394097730729
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	258607985.363757	258607984.33876
Observation start date	2006-03-13T03:33:05	2006-03-13T03:33:04
[s] Observation end time (MET)	258627761.714676	258627760.68968
Observation end date	2006-03-13T09:02:42	2006-03-13T09:02:40
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999709725

### **A.2 Comments**