

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58692 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 14 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

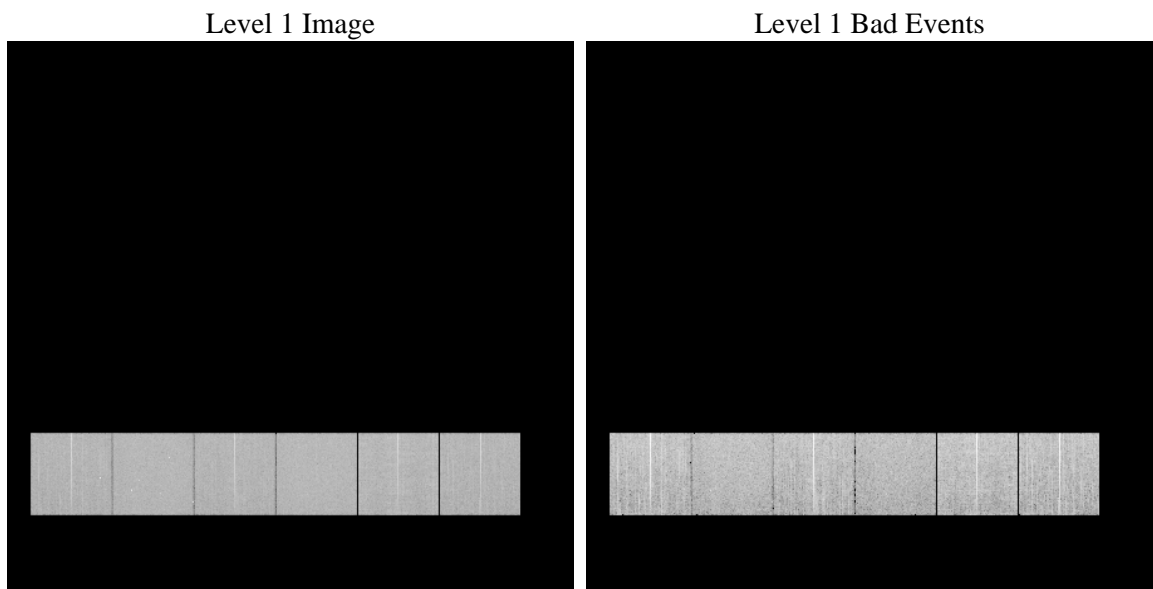
# 1 Front

seq_num	&#160	Sequence number
obs_id	58692	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	55.026239955161	Nominal RA [deg]
dec_nom	6.0118483283408	Nominal Dec [deg]
roll_nom	351.4492693448	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7201.9005101919	Sum of GTIs [s]
livetime	7110.705709468	Livetime [s]
ontime4	7201.777390182	Sum of GTIs [s]
ontime5	7201.8594701886	Sum of GTIs [s]
ontime6	7201.8184301853	Sum of GTIs [s]
ontime7	7201.9005101919	Sum of GTIs [s]
ontime8	7201.7363501787	Sum of GTIs [s]
ontime9	7201.9415501952	Sum of GTIs [s]
l2events	738305	Number of level 2 events

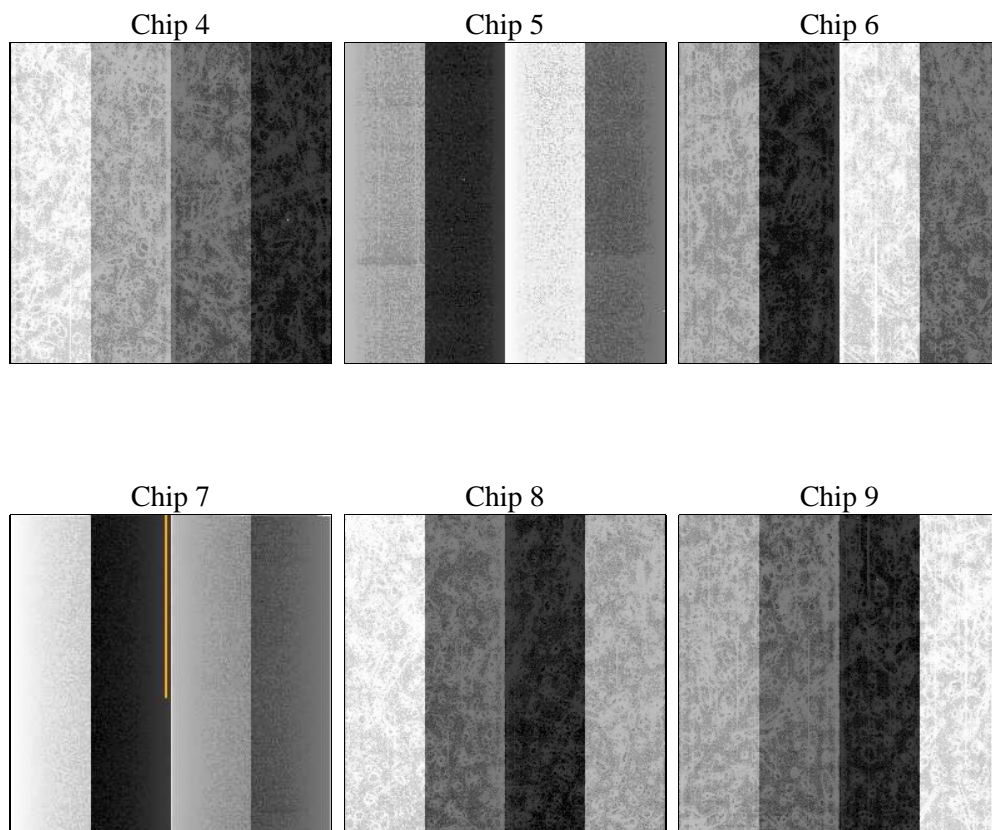
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5880	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7201.9005101919	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7201.777390182	Sum of GTIs [s]
date	2012-04-14T04:54:07	Date and time of file creation	ontime5	7201.8594701886	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7201.8184301853	Sum of GTIs [s]
			ontime7	7201.9005101919	Sum of GTIs [s]
			ontime8	7201.7363501787	Sum of GTIs [s]
			ontime9	7201.9415501952	Sum of GTIs [s]
			l1events	1186838	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	189810	201038	192865	205896	208253	188976	grade 0 events	68685	26071	68044	33189	71886	66682
rejected events	71686	61209	66940	55691	71845	67812		36%	12%	35%	16%	34%	35%
rejected %	37%	30%	34%	27%	34%	35%	grade 1 events	638	204	416	170	462	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	19203	50515	22397	33170	24804	21112
								10%	25%	11%	16%	11%	11%
							grade 3 events	7909	7615	8160	14850	9291	7971
								4%	3%	4%	7%	4%	4%
							grade 4 events	7929	7393	8119	14560	9518	7797
								4%	3%	4%	7%	4%	4%
							grade 5 events	3710	8749	3772	9376	4747	4139
								1%	4%	1%	4%	2%	2%
							grade 6 events	15570	49625	20411	55974	22186	18857
								8%	24%	10%	27%	10%	9%
							grade 7 events	66166	50866	61546	44607	65359	61921
								34%	25%	31%	21%	31%	32%

## 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	55.02621282242401	55.02623995516059
[deg] Pointing Dec	6.01185235085582	6.011848328340784
[deg] Pointing Roll	351.4492721880467	351.4492693448005
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	280542375.491706	280542375.491706
Observation start date	2006-11-22T00:59:00	2006-11-22T00:26:15
[s] Observation end time (MET)	280551372.785112	280551372.785112
Observation end date	2006-11-22T02:37:00	2006-11-22T02:56:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2019005101919

### A.2 Comments