

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58348 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 26 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

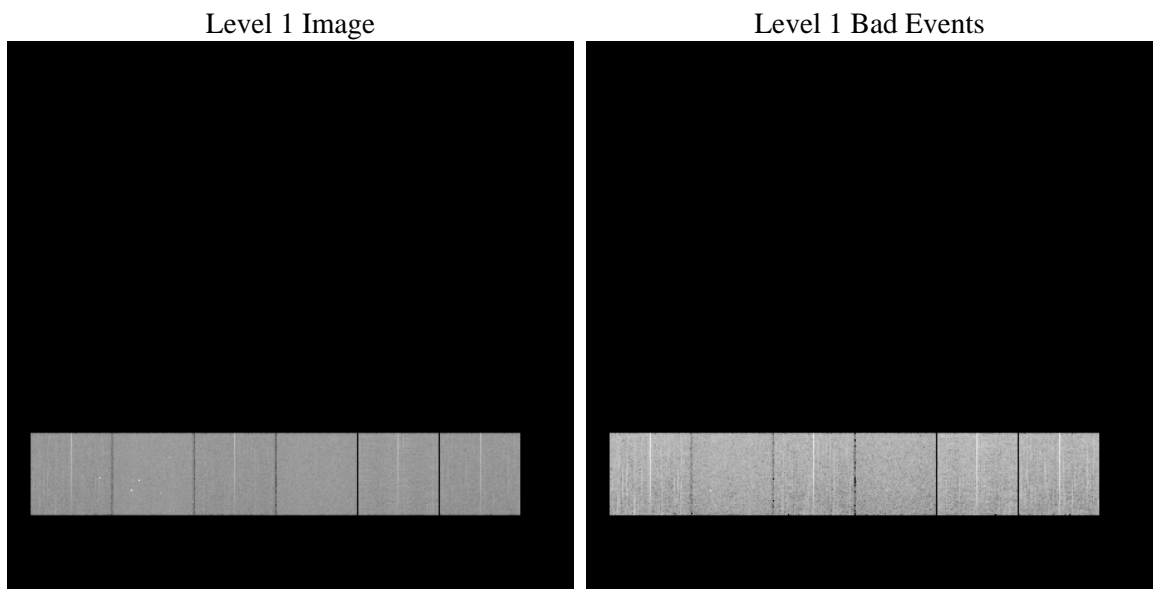
# 1 Front

seq_num	&#160	Sequence number
obs_id	58348	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	294.97144858063	Nominal RA [deg]
dec_nom	-3.9925398814421	Nominal Dec [deg]
roll_nom	133.81629095411	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999710321	Sum of GTIs [s]
livetime	7693.3329756198	Livetime [s]
ontime4	7791.9999710321	Sum of GTIs [s]
ontime5	7791.9999710321	Sum of GTIs [s]
ontime6	7791.9999710321	Sum of GTIs [s]
ontime7	7791.9999710321	Sum of GTIs [s]
ontime8	7791.9999710321	Sum of GTIs [s]
ontime9	7791.9999710321	Sum of GTIs [s]
l2events	704762	Number of level 2 events

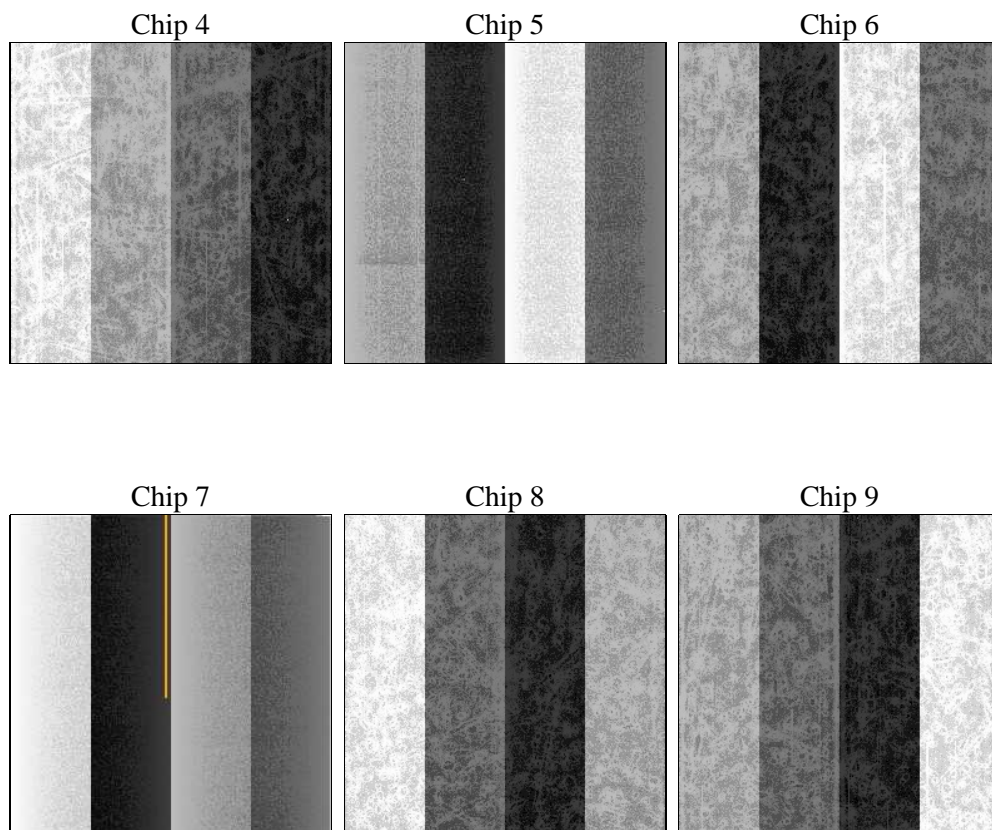
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7791.9999710321	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7791.9999710321	Sum of GTIs [s]
date	2012-04-27T02:49:25	Date and time of file creation	ontime5	7791.9999710321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.9999710321	Sum of GTIs [s]
			ontime7	7791.9999710321	Sum of GTIs [s]
			ontime8	7791.9999710321	Sum of GTIs [s]
			ontime9	7791.9999710321	Sum of GTIs [s]
			l1events	1192488	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	190612	208110	188865	206303	209519	189079	grade 0 events	63960	26208	63243	30634	67442	62243
rejected events	79929	66610	70814	60281	79750	74905		33%	12%	33%	14%	32%	32%
rejected %	41%	32%	37%	29%	38%	39%	grade 1 events	650	464	377	150	447	469
								0%	0%	0%	0%	0%	0%
							grade 2 events	17443	50338	20651	31836	23474	19445
								9%	24%	10%	15%	11%	10%
							grade 3 events	7482	7037	7529	14137	9057	7408
								3%	3%	3%	6%	4%	3%
							grade 4 events	7609	6939	7445	13671	8546	7383
								3%	3%	3%	6%	4%	3%
							grade 5 events	3866	9159	4119	9941	5206	4670
								2%	4%	2%	4%	2%	2%
							grade 6 events	14234	50978	19183	55744	21305	17695
								7%	24%	10%	27%	10%	9%
							grade 7 events	75368	56987	66318	50190	74042	69766
								39%	27%	35%	24%	35%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	294.97144858063	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.992539881442061	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	133.8162909541091			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	299049028.12177	299049027.09677			
Observation start date	2007-06-24T05:10:28	2007-06-24T05:10:27			
[s] Observation end time (MET)	299066449.022604	299066447.9976			
Observation end date	2007-06-24T10:00:49	2007-06-24T10:00:47			
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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999710321

### A.2 Comments