

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54786 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 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

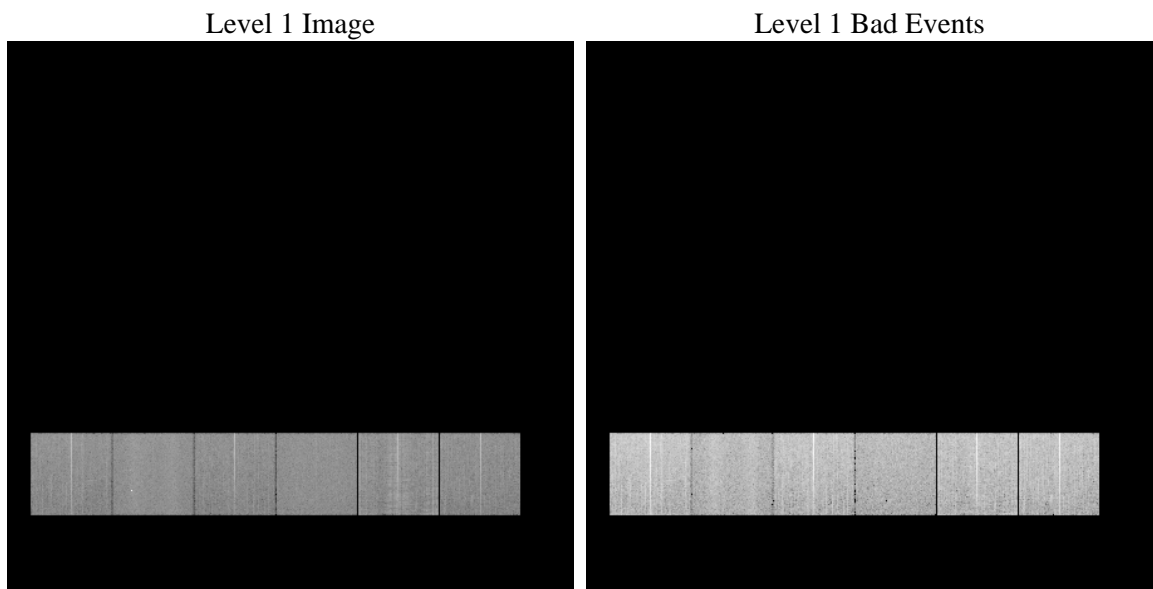
# 1 Front

seq_num	&#160	Sequence number
obs_id	54786	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	150.00434989308	Nominal RA [deg]
dec_nom	-3.0198186161802	Nominal Dec [deg]
roll_nom	282.94735840212	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8262.3999692798	Sum of GTIs [s]
livetime	8157.7764858488	Livetime [s]
ontime4	8262.3999692798	Sum of GTIs [s]
ontime5	8262.3999692798	Sum of GTIs [s]
ontime6	8262.3999692798	Sum of GTIs [s]
ontime7	8262.3999692798	Sum of GTIs [s]
ontime8	8262.3999692798	Sum of GTIs [s]
ontime9	8262.3999692798	Sum of GTIs [s]
l2events	319928	Number of level 2 events

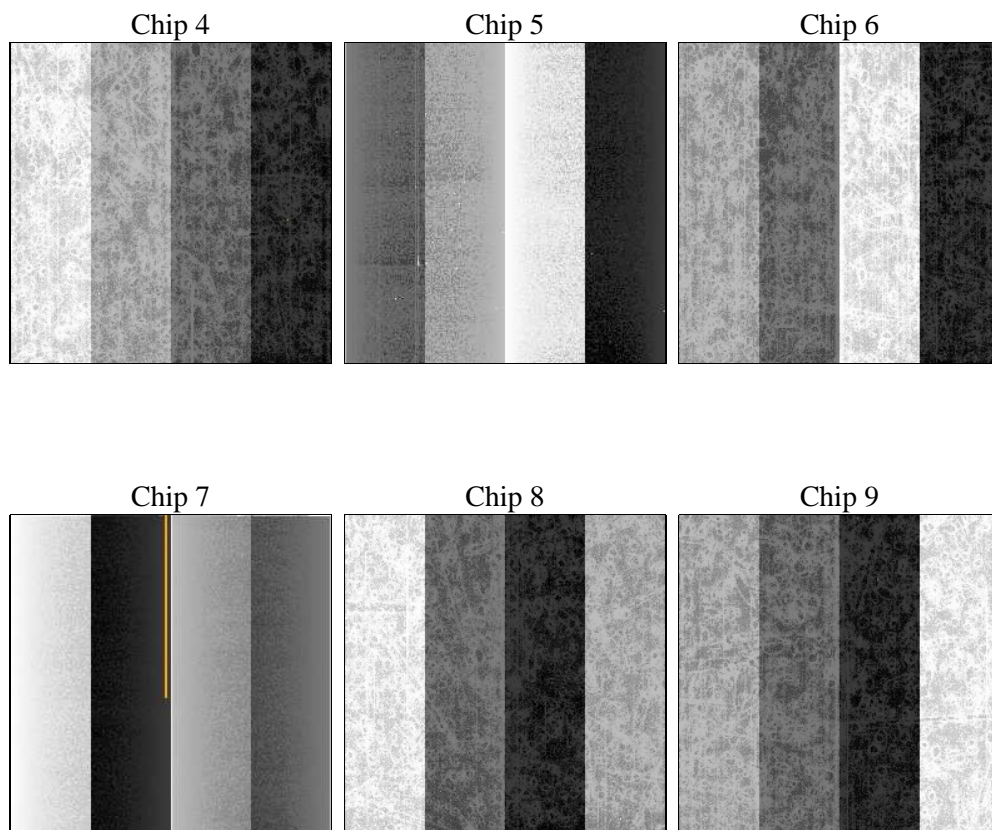
## 2 OBI

### 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	8262.3999692798	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	8262.3999692798	Sum of GTIs [s]
date	2012-03-14T11:46:06	Date and time of file creation	ontime5	8262.3999692798	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8262.3999692798	Sum of GTIs [s]
			ontime7	8262.3999692798	Sum of GTIs [s]
			ontime8	8262.3999692798	Sum of GTIs [s]
			ontime9	8262.3999692798	Sum of GTIs [s]
			l1events	780381	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	128079	138421	121477	127840	144956	119608	grade 0 events	25177	7443	18645	11318	30231	21541
rejected events	83535	58011	74455	52024	74752	74439		19%	5%	15%	8%	20%	18%
rejected %	65%	41%	61%	40%	51%	62%	grade 1 events	276	279	88	147	208	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	7448	28872	14966	17263	15957	10536
								5%	20%	12%	13%	11%	8%
							grade 3 events	3147	3712	2338	6227	5395	2662
								2%	2%	1%	4%	3%	2%
							grade 4 events	3035	3649	2319	5990	5234	2656
								2%	2%	1%	4%	3%	2%
							grade 5 events	2752	6427	2642	7072	3864	3079
								2%	4%	2%	5%	2%	2%
							grade 6 events	5755	36777	8776	35048	13400	7790
								4%	26%	7%	27%	9%	6%
							grade 7 events	80489	51262	71703	44775	70667	71208
								62%	37%	59%	35%	48%	59%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	150.0043498930799	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.019818616180188	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	282.9473584021194	[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)	448055430.653787	448055429.62879			
Observation start date	2012-03-13T19:50:31	2012-03-13T19:50:29			
[s] Observation end time (MET)	448065258.354307	448065257.32931			
Observation end date	2012-03-13T22:34:18	2012-03-13T22:34:17			
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)	2012.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2623999692798

### A.2 Comments