

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 59056 - 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

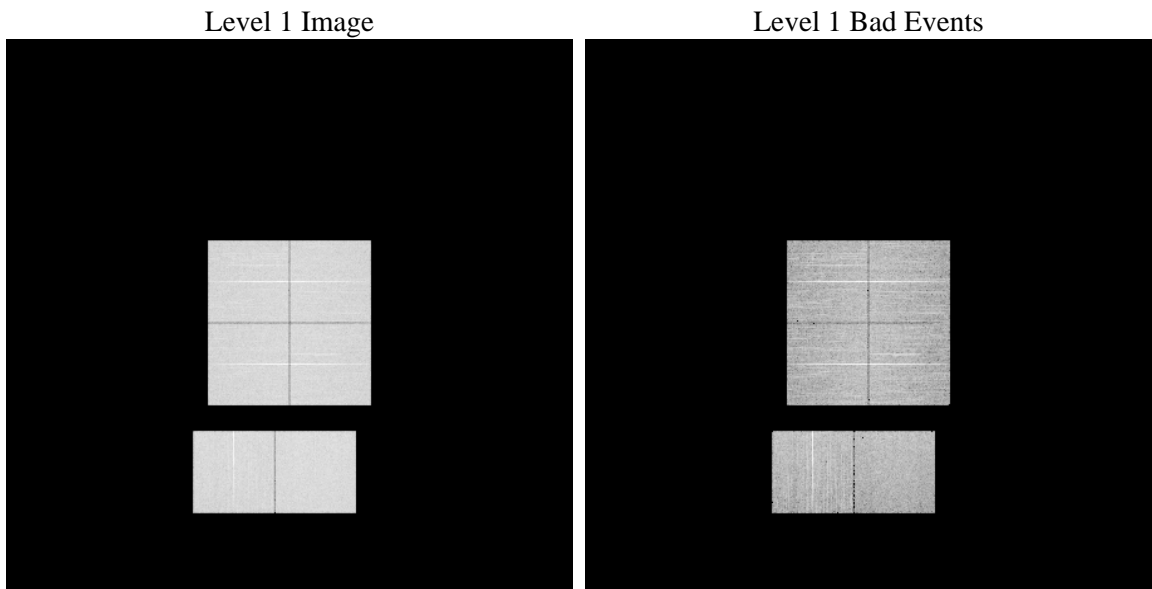
# 1 Front

seq_num	&#160	Sequence number
obs_id	59056	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	170.03260583409	Nominal RA [deg]
dec_nom	-33.690859839273	Nominal Dec [deg]
roll_nom	345.72623333598	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime0	8275.1999691725	Sum of GTIs [s]
ontime1	8275.1999691725	Sum of GTIs [s]
ontime2	8271.9590784311	Sum of GTIs [s]
ontime3	8275.1999691725	Sum of GTIs [s]
ontime6	8275.1999691725	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
l2events	955720	Number of level 2 events

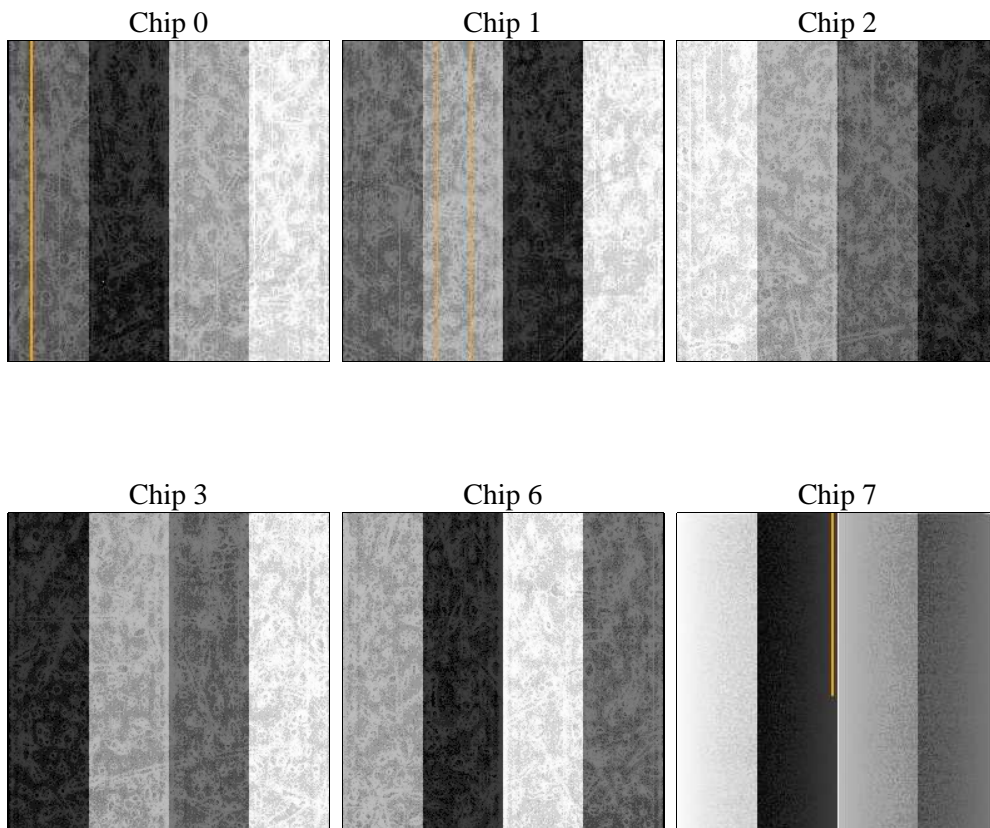
## 2 OBI

### 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	8275.1999691725	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8275.1999691725	Sum of GTIs [s]
date	2012-03-28T07:50:14	Date and time of file creation	ontime1	8275.1999691725	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.9590784311	Sum of GTIs [s]
			ontime3	8275.1999691725	Sum of GTIs [s]
			ontime6	8275.1999691725	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			l1events	1400766	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	227177	226203	229206	230762	237674	249744	grade 0 events	87950	87710	90161	90900	90266	42735
rejected events	66330	64324	67374	67709	69896	58418		38%	38%	39%	39%	37%	17%
rejected %	29%	28%	29%	29%	29%	23%	grade 1 events	593	498	633	647	492	155
								0%	0%	0%	0%	0%	0%
							grade 2 events	28150	29054	27006	27648	29322	41870
								12%	12%	11%	11%	12%	16%
							grade 3 events	10546	10356	10741	10766	10572	18354
								4%	4%	4%	4%	4%	7%
							grade 4 events	10419	10376	10735	10802	10415	18563
								4%	4%	4%	4%	4%	7%
							grade 5 events	3722	3996	3413	4078	4047	9822
								1%	1%	1%	1%	1%	3%
							grade 6 events	23782	24383	23189	22937	27203	69804
								10%	10%	10%	9%	11%	27%
							grade 7 events	62015	59830	63328	62984	65357	48441
								27%	26%	27%	27%	27%	19%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	170.032605834087	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-33.69085983927326	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	345.7262333359779			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	259107699.536977	259107698.51199			
Observation start date	2006-03-18T22:21:40	2006-03-18T22:21:38			
[s] Observation end time (MET)	259129009.287967	259129008.26298			
Observation end date	2006-03-19T04:16:49	2006-03-19T04:16:48			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

### A.2 Comments