

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58716 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 12 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

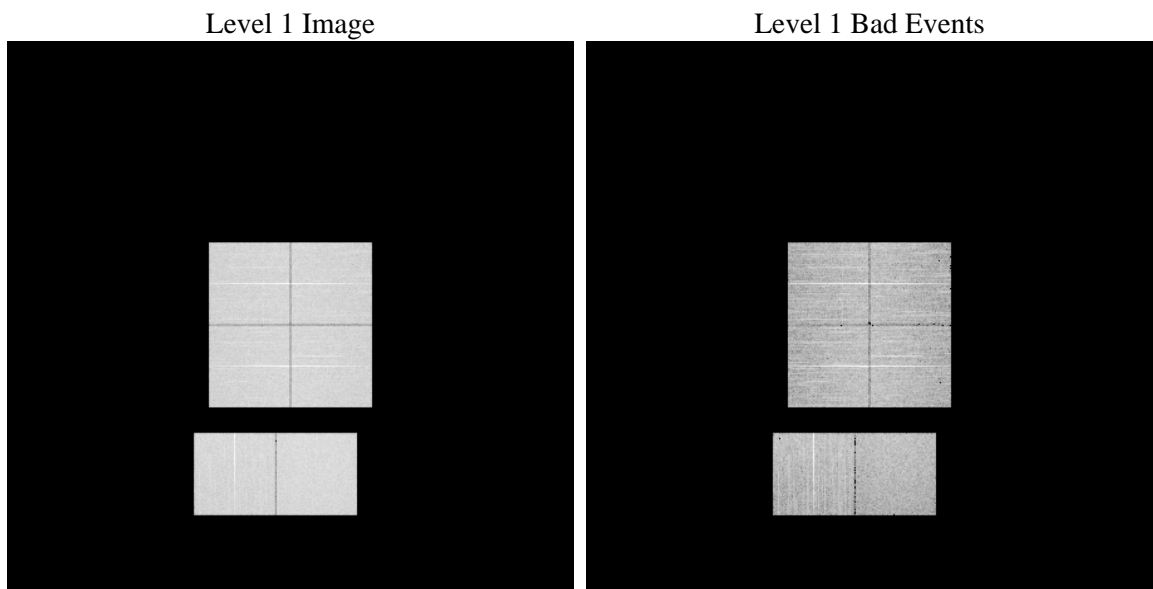
# 1 Front

seq_num	&#160	Sequence number
obs_id	58716	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	52.96098152549	Nominal RA [deg]
dec_nom	42.997826013564	Nominal Dec [deg]
roll_nom	151.4896437349	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999710202	Sum of GTIs [s]
livetime	7696.4924552813	Livetime [s]
ontime0	7795.1999710202	Sum of GTIs [s]
ontime1	7795.1999710202	Sum of GTIs [s]
ontime2	7791.9590107203	Sum of GTIs [s]
ontime3	7795.1999710202	Sum of GTIs [s]
ontime6	7795.1999710202	Sum of GTIs [s]
ontime7	7795.1999710202	Sum of GTIs [s]
l2events	786037	Number of level 2 events

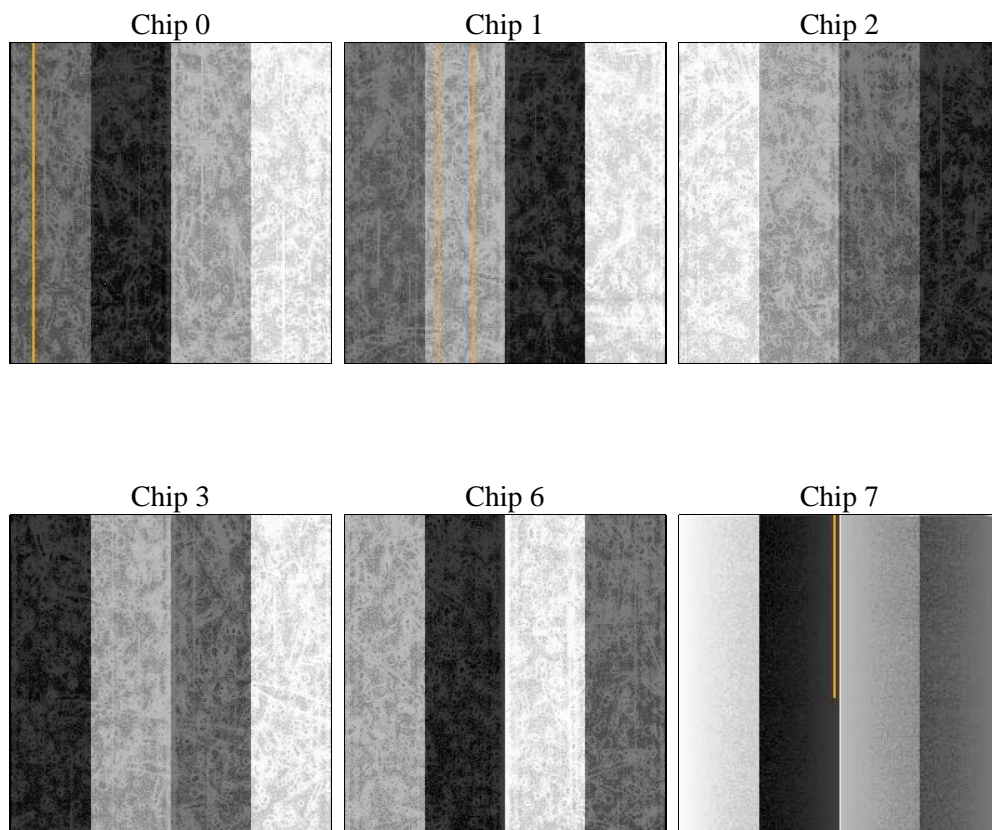
## 2 OBI

### 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	7795.1999710202	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7795.1999710202	Sum of GTIs [s]
date	2012-04-13T01:33:35	Date and time of file creation	ontime1	7795.1999710202	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7791.9590107203	Sum of GTIs [s]
			ontime3	7795.1999710202	Sum of GTIs [s]
			ontime6	7795.1999710202	Sum of GTIs [s]
			ontime7	7795.1999710202	Sum of GTIs [s]
			l1events	1223212	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	197246	194991	200587	201909	206594	221885	grade 0 events	71335	71020	73338	73616	74133	35860
rejected events	66402	63734	68622	69016	68609	58813		36%	36%	36%	36%	35%	16%
rejected %	33%	32%	34%	34%	33%	26%	grade 1 events	491	406	540	555	424	176
								0%	0%	0%	0%	0%	0%
							grade 2 events	23161	23623	22655	22963	24133	35542
								11%	12%	11%	11%	11%	16%
							grade 3 events	8651	8606	8818	8802	8743	15867
								4%	4%	4%	4%	4%	7%
							grade 4 events	8528	8484	8651	8861	8877	15691
								4%	4%	4%	4%	4%	7%
							grade 5 events	3723	3807	3362	4019	3985	9964
								1%	1%	1%	1%	1%	4%
							grade 6 events	19222	19568	18557	18712	22153	60191
								9%	10%	9%	9%	10%	27%
							grade 7 events	62135	59477	64666	64381	64146	48594
								31%	30%	32%	31%	31%	21%

## 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	52.96098152549021	Alternating exposures requested	N	N
[deg] Pointing Dec	0	42.99782601356361	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	151.4896437348964			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	278941878.916125	278941877.89112			
Observation start date	2006-11-03T11:51:19	2006-11-03T11:51:17			
[s] Observation end time (MET)	278961027.967029	278961026.94202			
Observation end date	2006-11-03T17:10:28	2006-11-03T17:10:26			
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)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999710202

### A.2 Comments