

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58026 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 7 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

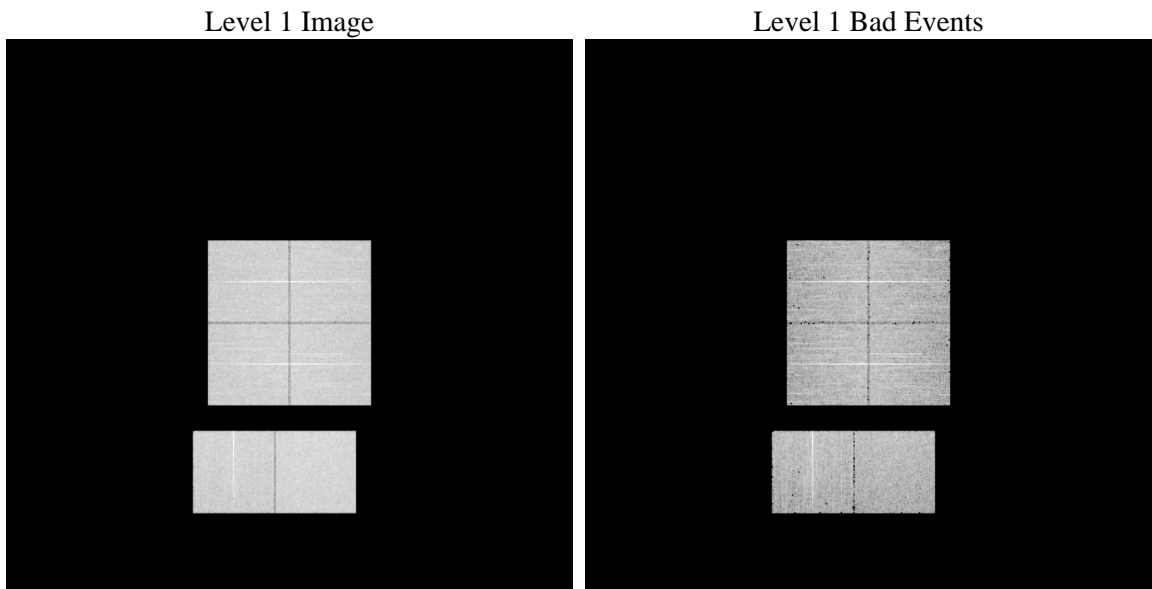
# 1 Front

seq_num	&#160	Sequence number
obs_id	58026	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	77.514062546533	Nominal RA [deg]
dec_nom	29.173986351083	Nominal Dec [deg]
roll_nom	262.4102783647	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6303.9999765754	Sum of GTIs [s]
livetime	6224.1749330589	Livetime [s]
ontime0	6303.9999765754	Sum of GTIs [s]
ontime1	6303.9999765754	Sum of GTIs [s]
ontime2	6303.9999765754	Sum of GTIs [s]
ontime3	6303.9999765754	Sum of GTIs [s]
ontime6	6303.9999765754	Sum of GTIs [s]
ontime7	6303.9999765754	Sum of GTIs [s]
l2events	491649	Number of level 2 events

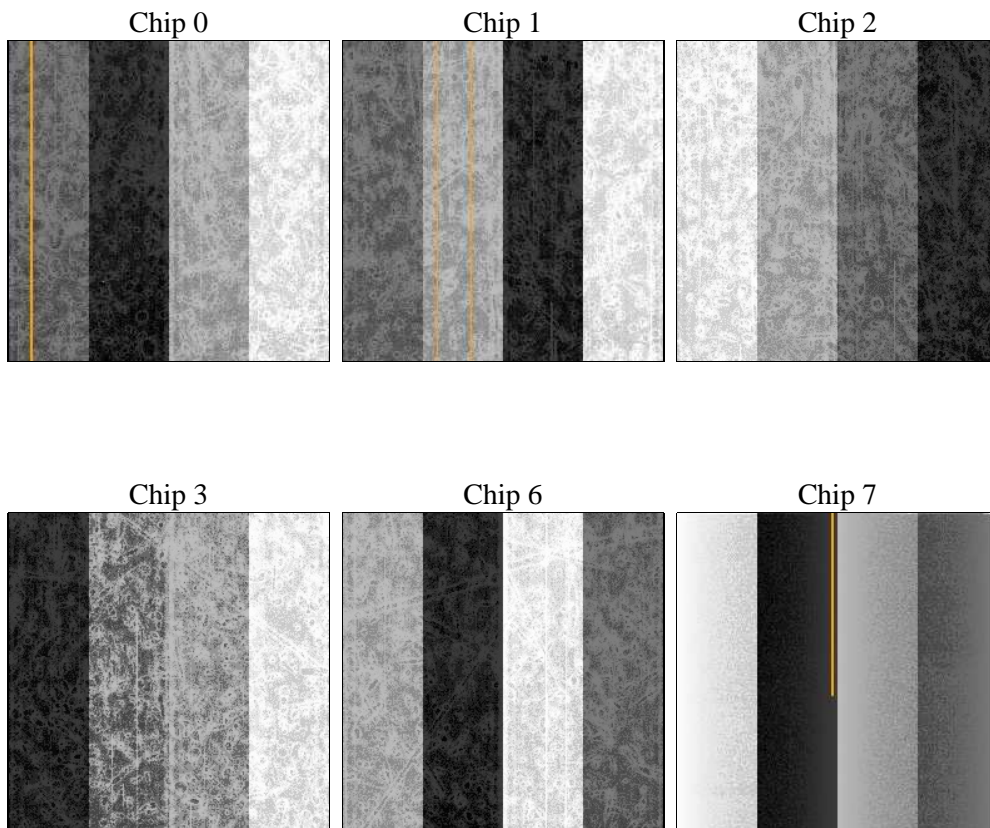
## 2 OBI

### 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	6303.9999765754	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	6303.9999765754	Sum of GTIs [s]
date	2012-05-07T17:10:43	Date and time of file creation	ontime1	6303.9999765754	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6303.9999765754	Sum of GTIs [s]
			ontime3	6303.9999765754	Sum of GTIs [s]
			ontime6	6303.9999765754	Sum of GTIs [s]
			ontime7	6303.9999765754	Sum of GTIs [s]
			l1events	842800	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	133715	133793	138517	137632	141061	158082	grade 0 events	43705	43002	45054	45233	45001	22247
rejected events	52493	52752	57133	55909	56463	49524		32%	32%	32%	32%	31%	14%
rejected %	39%	39%	41%	40%	40%	31%	grade 1 events	293	274	313	362	288	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	14521	15044	13805	14004	14746	23889
								10%	11%	9%	10%	10%	15%
							grade 3 events	5418	5276	5457	5489	5423	10307
								4%	3%	3%	3%	3%	6%
							grade 4 events	5358	5321	5522	5556	5454	10337
								4%	3%	3%	4%	3%	6%
							grade 5 events	3008	3149	2906	3438	3346	8303
								2%	2%	2%	2%	2%	5%
							grade 6 events	12220	12398	11546	11484	13974	41778
								9%	9%	8%	8%	9%	26%
							grade 7 events	49192	49329	53914	52066	52829	41120
								36%	36%	38%	37%	37%	26%

## 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	77.51406254653298	Alternating exposures requested	N	N
[deg] Pointing Dec	0	29.1739863510825	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	262.4102783646986			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	315956992.285921	315956991.26092			
Observation start date	2008-01-05T21:49:52	2008-01-05T21:49:51			
[s] Observation end time (MET)	315971440.686621	315971439.66162			
Observation end date	2008-01-06T01:50:41	2008-01-06T01:50:39			
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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.3039999765754

### A.2 Comments