

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59096 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 26 2012

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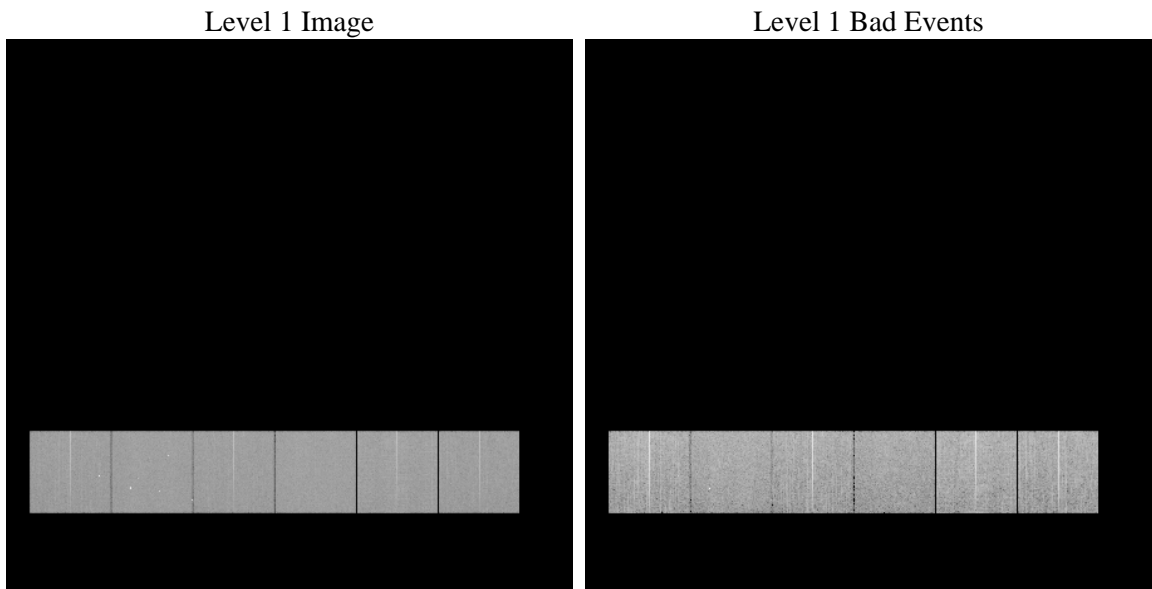
# 1 Front

seq_num	&#160	Sequence number
obs_id	59096	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	133.50875656579	Nominal RA [deg]
dec_nom	17.472624284483	Nominal Dec [deg]
roll_nom	254.08428075945	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8251.2894079685	Sum of GTIs [s]
livetime	8146.8066131548	Livetime [s]
ontime4	8251.1662879586	Sum of GTIs [s]
ontime5	8251.2483679652	Sum of GTIs [s]
ontime6	8251.2073279619	Sum of GTIs [s]
ontime7	8251.2894079685	Sum of GTIs [s]
ontime8	8251.1252479851	Sum of GTIs [s]
ontime9	8251.3304479718	Sum of GTIs [s]
l2events	978216	Number of level 2 events

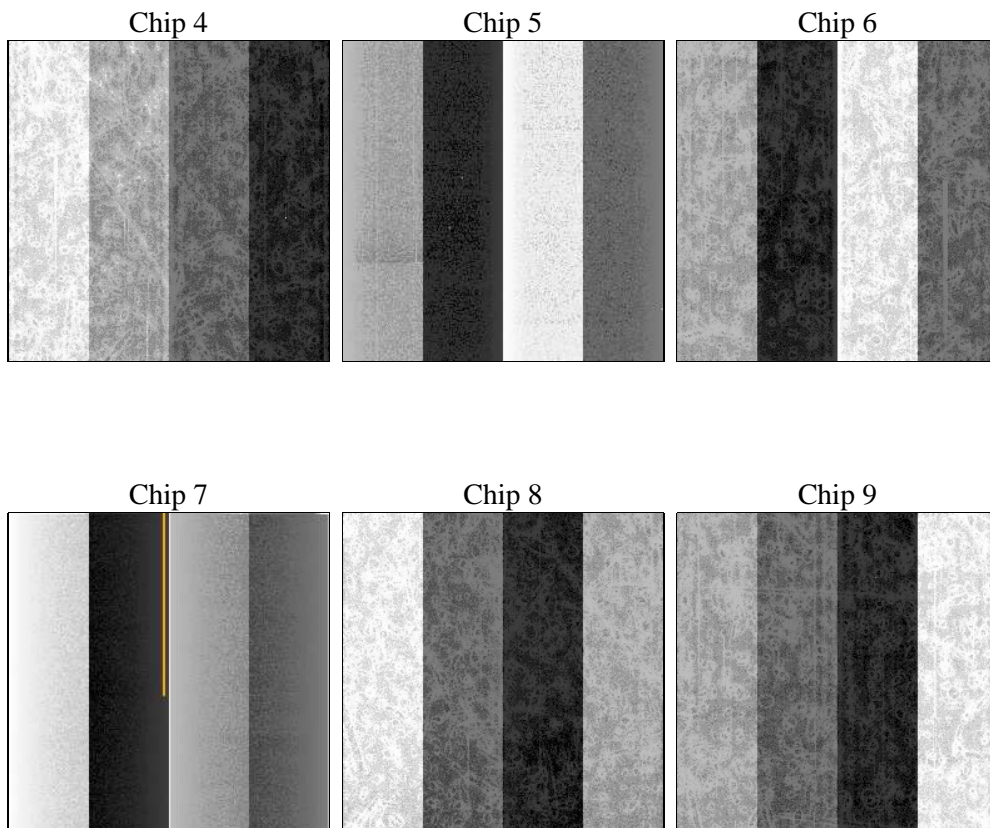
## 2 OBI

### 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	8251.2894079685	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	8251.1662879586	Sum of GTIs [s]
date	2012-03-26T09:07:12	Date and time of file creation	ontime5	8251.2483679652	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8251.2073279619	Sum of GTIs [s]
			ontime7	8251.2894079685	Sum of GTIs [s]
			ontime8	8251.1252479851	Sum of GTIs [s]
			ontime9	8251.3304479718	Sum of GTIs [s]
			l1events	1463929	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	234531	243605	239334	252023	257635	236801	grade 0 events	93057	35303	92518	44212	96571	90593
rejected events	74905	64993	68518	58581	77260	71462		39%	14%	38%	17%	37%	38%
rejected %	31%	26%	28%	23%	29%	30%	grade 1 events	813	202	532	179	602	631
								0%	0%	0%	0%	0%	0%
							grade 2 events	25029	65265	30010	42237	32213	28443
								10%	26%	12%	16%	12%	12%
							grade 3 events	10877	10147	10750	19263	11929	10842
								4%	4%	4%	7%	4%	4%
							grade 4 events	10736	9323	10874	18702	11903	10938
								4%	3%	4%	7%	4%	4%
							grade 5 events	3984	9421	4259	9868	5191	4518
								1%	3%	1%	3%	2%	1%
							grade 6 events	20428	59169	27218	69636	28369	25013
								8%	24%	11%	27%	11%	10%
							grade 7 events	69607	54775	63173	47926	70857	65823
								29%	22%	26%	19%	27%	27%

## 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	133.5087565657859	Alternating exposures requested	N	N
[deg] Pointing Dec	0	17.47262428448347	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	254.084280759455			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	257512699.012807	257512697.98784			
Observation start date	2006-02-28T11:18:19	2006-02-28T11:18:17			
[s] Observation end time (MET)	257534008.763796	257534007.73883			
Observation end date	2006-02-28T17:13:29	2006-02-28T17:13:27			
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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2512894079685

### A.2 Comments