

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59111 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 25 2012

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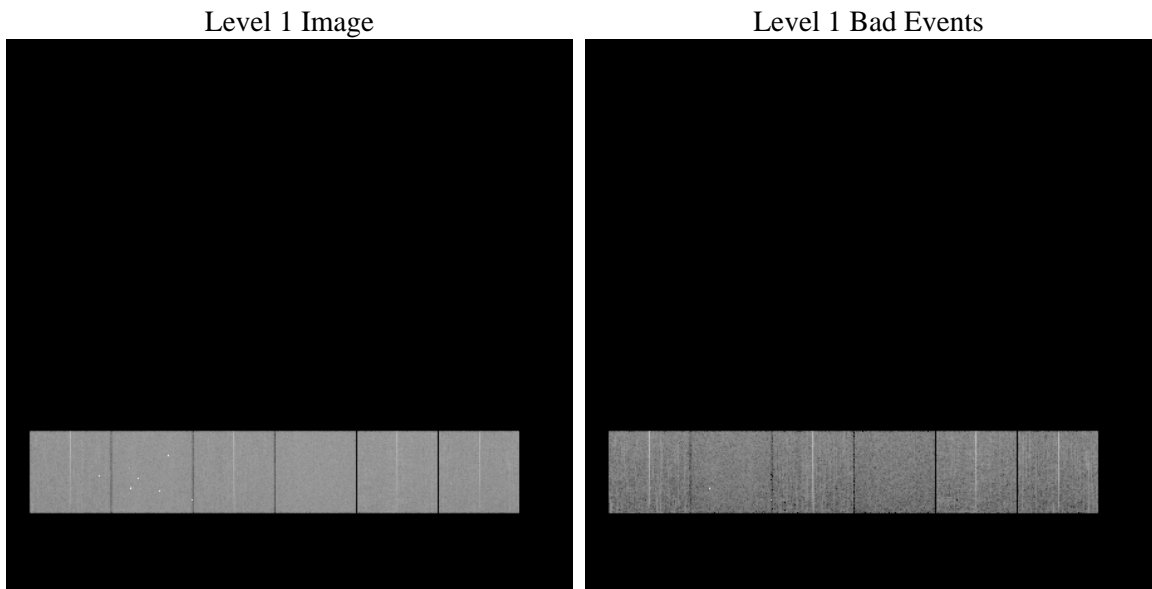
# 1 Front

seq_num	&#160	Sequence number
obs_id	59111	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	184.97864844901	Nominal RA [deg]
dec_nom	20.020404919458	Nominal Dec [deg]
roll_nom	101.58226356667	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7103.9999735355	Sum of GTIs [s]
livetime	7014.0448483554	Livetime [s]
ontime4	6977.6017514467	Sum of GTIs [s]
ontime5	7103.9999735355	Sum of GTIs [s]
ontime6	7094.277012676	Sum of GTIs [s]
ontime7	7103.9999735355	Sum of GTIs [s]
ontime8	7103.9999735355	Sum of GTIs [s]
ontime9	7091.0360522568	Sum of GTIs [s]
l2events	845886	Number of level 2 events

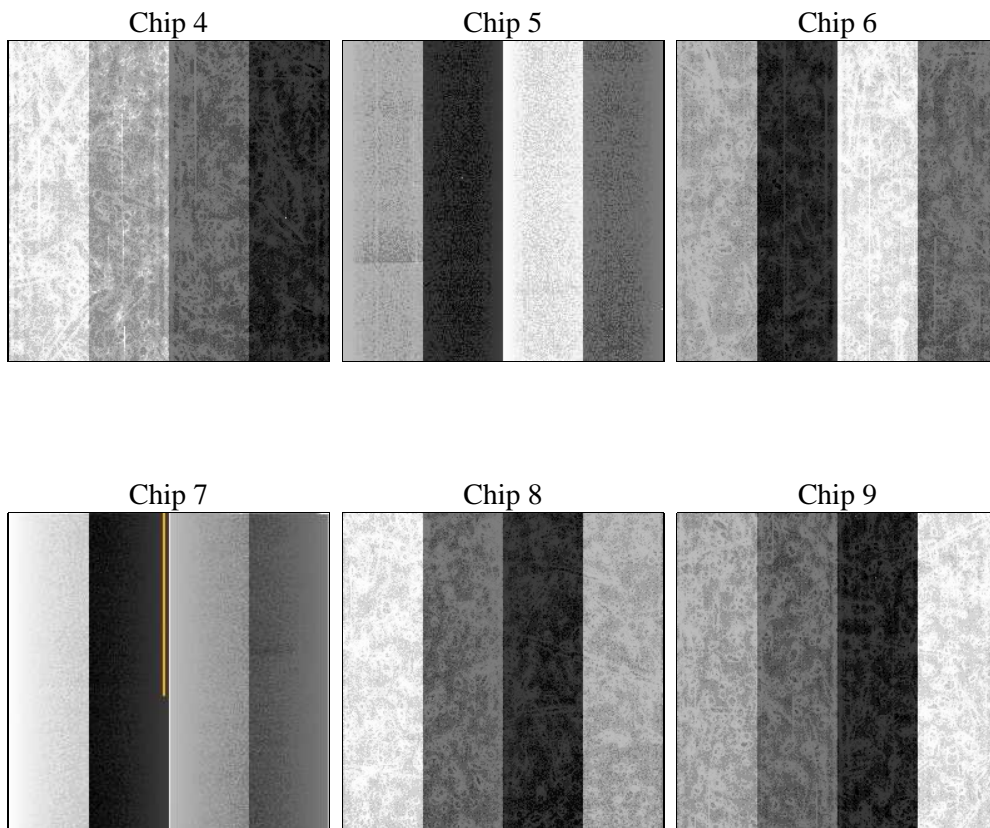
## 2 OBI

### 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	7103.9999735355	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	6977.6017514467	Sum of GTIs [s]
date	2012-03-25T19:33:35	Date and time of file creation	ontime5	7103.9999735355	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7094.277012676	Sum of GTIs [s]
			ontime7	7103.9999735355	Sum of GTIs [s]
			ontime8	7103.9999735355	Sum of GTIs [s]
			ontime9	7091.0360522568	Sum of GTIs [s]
			l1events	1272622	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	199770	219544	209355	218642	221270	204041	grade 0 events	79928	33628	79967	38493	83073	77988
rejected events	63472	58106	61400	50269	65264	61803		40%	15%	38%	17%	37%	38%
rejected %	31%	26%	29%	22%	29%	30%	grade 1 events	726	240	464	147	503	527
								0%	0%	0%	0%	0%	0%
							grade 2 events	20930	58019	25667	36967	27767	24257
								10%	26%	12%	16%	12%	11%
							grade 3 events	8947	7807	9183	16316	10372	9277
								4%	3%	4%	7%	4%	4%
							grade 4 events	9098	7967	9306	16455	10443	9101
								4%	3%	4%	7%	4%	4%
							grade 5 events	3348	8536	3537	8577	4468	3794
								1%	3%	1%	3%	2%	1%
							grade 6 events	17456	54083	23885	60236	24415	21749
								8%	24%	11%	27%	11%	10%
							grade 7 events	59337	49264	57346	41451	60229	57348
								29%	22%	27%	18%	27%	28%

## 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	184.9786484490078	Alternating exposures requested	N	N
[deg] Pointing Dec	0	20.020404919458	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	101.5822635666665			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	256786199.479095	256786198.45406			
Observation start date	2006-02-20T01:29:59	2006-02-20T01:29:58			
[s] Observation end time (MET)	256799165.729698	256799164.70467			
Observation end date	2006-02-20T05:06:06	2006-02-20T05:06:04			
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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1039999735355

### A.2 Comments