

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59912 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 14 2012

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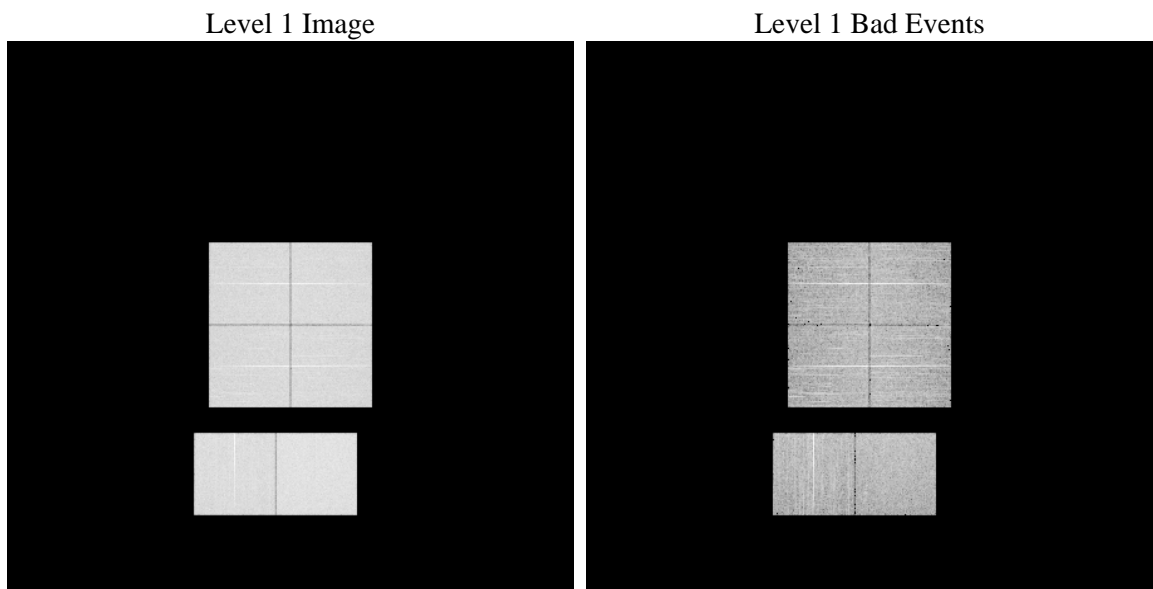
# 1 Front

seq_num	&#160	Sequence number
obs_id	59912	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	77.731432590603	Nominal RA [deg]
dec_nom	-6.49096838713	Nominal Dec [deg]
roll_nom	342.75959550086	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8179.1999695301	Sum of GTIs [s]
livetime	8075.630014593	Livetime [s]
ontime0	6856.8801008165	Sum of GTIs [s]
ontime1	6993.0017307401	Sum of GTIs [s]
ontime2	6600.8432956338	Sum of GTIs [s]
ontime3	6643.4026269913	Sum of GTIs [s]
ontime6	7249.0388849676	Sum of GTIs [s]
ontime7	8179.1999695301	Sum of GTIs [s]
l2events	1105582	Number of level 2 events

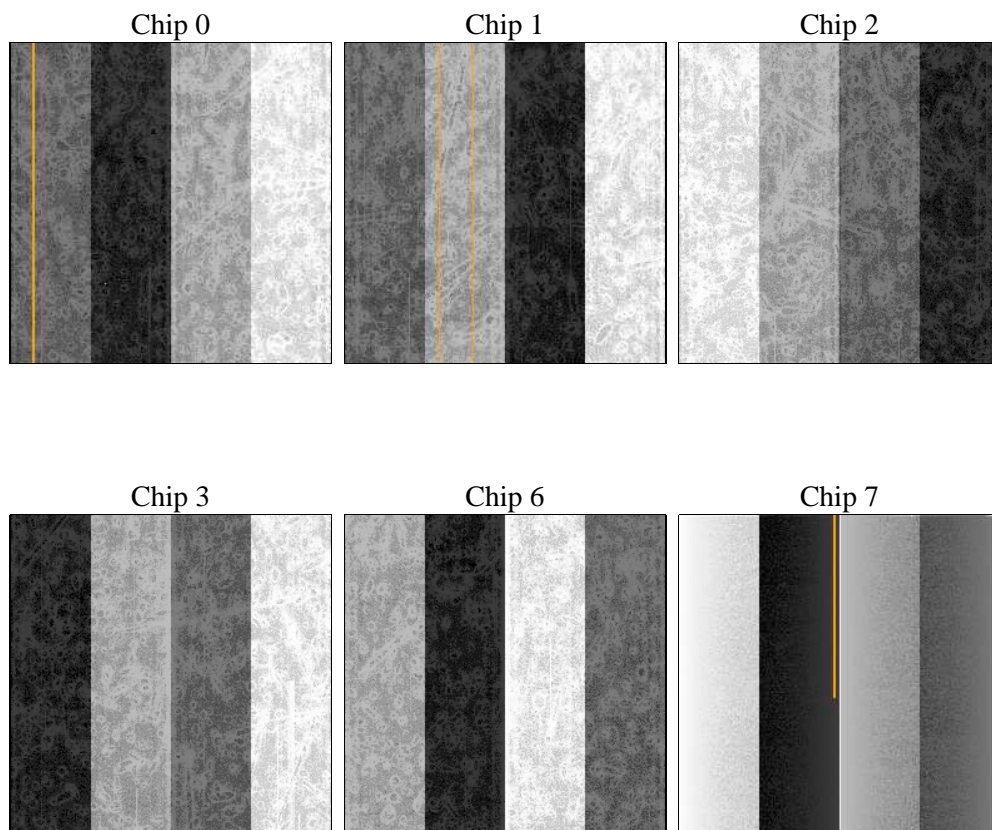
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	8179.1999695301	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	6856.8801008165	Sum of GTIs [s]
date	2012-12-14T22:00:13	Date and time of file creation	ontime1	6993.0017307401	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6600.8432956338	Sum of GTIs [s]
			ontime3	6643.4026269913	Sum of GTIs [s]
			ontime6	7249.0388849676	Sum of GTIs [s]
			ontime7	8179.1999695301	Sum of GTIs [s]
			l1events	1496171	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	233624	238579	231179	234669	259617	298503	grade 0 events	100600	102013	99434	100221	109086	57904
rejected events	52558	54146	55319	56941	59707	56245		43%	42%	43%	42%	42%	19%
rejected %	22%	22%	23%	24%	22%	18%	grade 1 events	604	563	708	670	574	187
								0%	0%	0%	0%	0%	0%
							grade 2 events	31945	33343	30292	30808	34929	53698
								13%	13%	13%	13%	13%	17%
							grade 3 events	12043	12099	11758	12096	12875	24475
								5%	5%	5%	5%	4%	8%
							grade 4 events	11696	11979	11649	11769	12850	24377
								5%	5%	5%	5%	4%	8%
							grade 5 events	3203	3289	2949	3238	3630	9516
								1%	1%	1%	1%	1%	3%
							grade 6 events	26829	27388	24928	24980	32281	84867
								11%	11%	10%	10%	12%	28%
							grade 7 events	46704	47905	49461	50887	53392	43479
								19%	20%	21%	21%	20%	14%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	77.73143259060264
[deg] Pointing Dec	0	-6.49096838713
[deg] Pointing Roll	0.0	342.7595955008624
[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)	219820480.937251	219820479.91225
Observation start date	2004-12-19T05:14:41	2004-12-19T05:14:39
[s] Observation end time (MET)	219832487.787792	219832486.76279
Observation end date	2004-12-19T08:34:48	2004-12-19T08:34:46
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1791999695301

### A.2 Comments