

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59792 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2012

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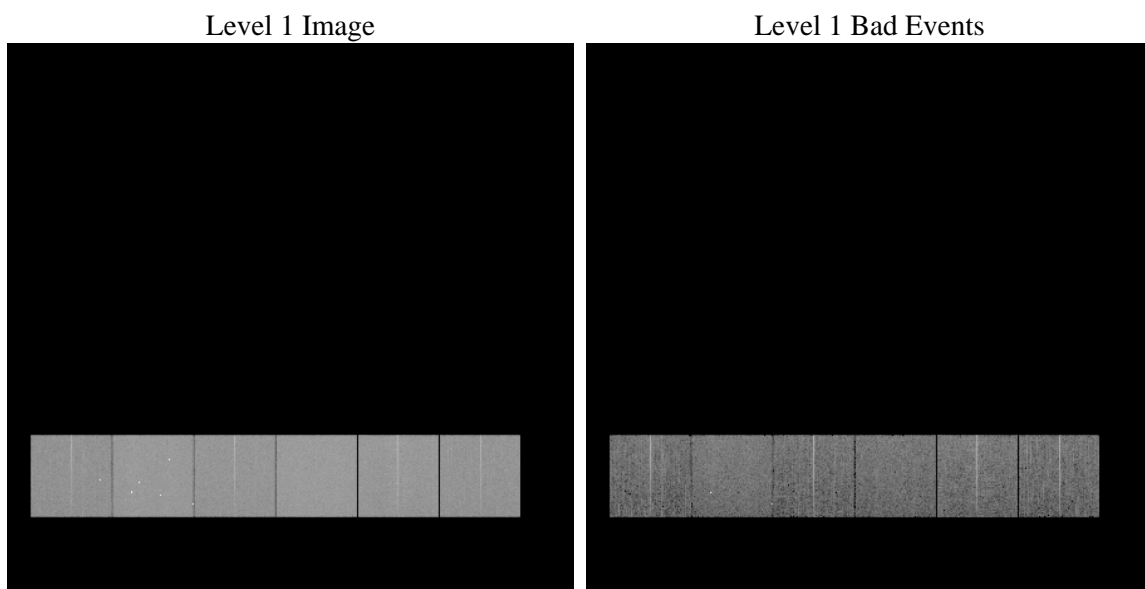
# 1 Front

seq_num	&#160	Sequence number
obs_id	59792	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	171.96490887698	Nominal RA [deg]
dec_nom	29.509046229558	Nominal Dec [deg]
roll_nom	133.50606612041	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7797.277984947	Sum of GTIs [s]
livetime	7698.5441561444	Livetime [s]
ontime4	6106.606580466	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	6686.7428106964	Sum of GTIs [s]
ontime7	7797.277984947	Sum of GTIs [s]
ontime8	6868.2378168106	Sum of GTIs [s]
ontime9	6397.1319902837	Sum of GTIs [s]
l2events	1034372	Number of level 2 events

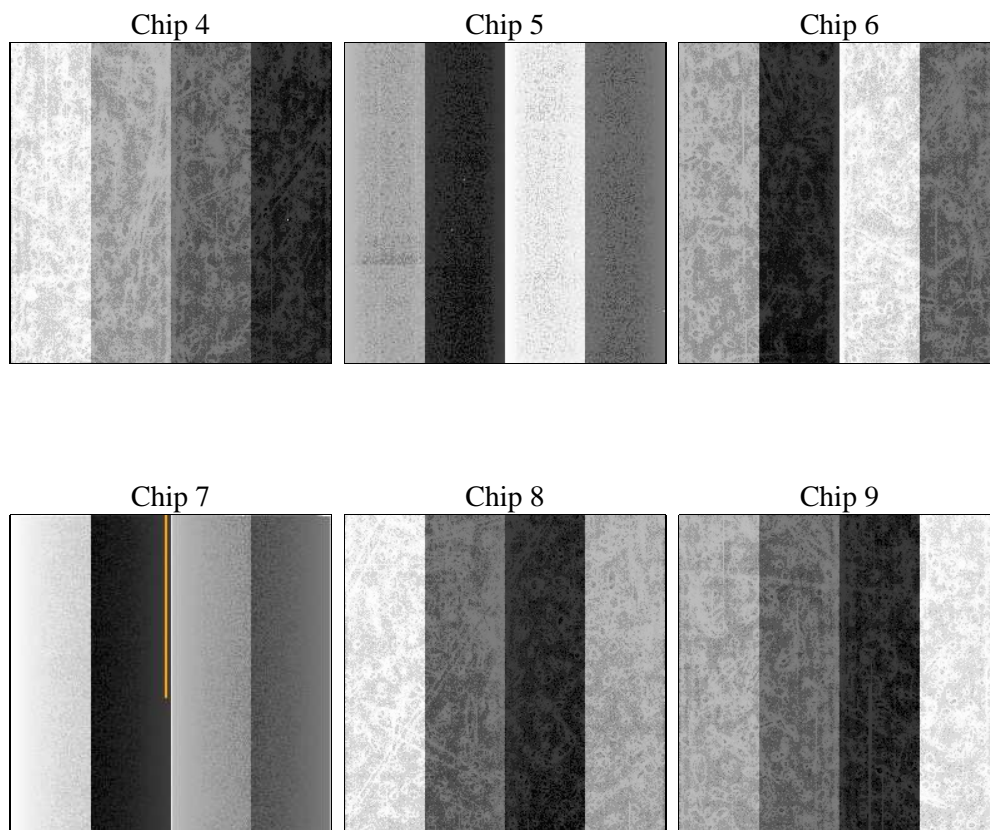
## 2 OBI

### 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	8.5.1	Processing system revision	ontime	7797.277984947	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	6106.606580466	Sum of GTIs [s]
date	2012-12-17T20:38:59	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6686.7428106964	Sum of GTIs [s]
			ontime7	7797.277984947	Sum of GTIs [s]
			ontime8	6868.2378168106	Sum of GTIs [s]
			ontime9	6397.1319902837	Sum of GTIs [s]
			l1events	1408389	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	199680	261393	225900	267684	242180	211552	grade 0 events	89321	44920	97011	52422	102362	90727
rejected events	47503	56018	47159	46997	53298	47175		44%	17%	42%	19%	42%	42%
rejected %	23%	21%	20%	17%	22%	22%	grade 1 events	683	308	451	163	554	528
								0%	0%	0%	0%	0%	0%
							grade 2 events	23319	75373	31072	48396	33411	27702
								11%	28%	13%	18%	13%	13%
							grade 3 events	10086	11103	11114	21672	12363	10350
								5%	4%	4%	8%	5%	4%
							grade 4 events	10238	10781	10919	21430	12253	10603
								5%	4%	4%	8%	5%	5%
							grade 5 events	2619	8377	3065	8288	3791	3169
								1%	3%	1%	3%	1%	1%
							grade 6 events	19311	63300	28704	76767	28576	24995
								9%	24%	12%	28%	11%	11%
							grade 7 events	44103	47231	43564	38546	48870	43478
								22%	18%	19%	14%	20%	20%

## 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	171.9649088769808	Alternating exposures requested	N	N
[deg] Pointing Dec	0	29.50904622955829	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	133.5060661204055			
[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)	225257849.932702	225257848.9077			
Observation start date	2005-02-20T03:37:30	2005-02-20T03:37:28			
[s] Observation end time (MET)	225272144.583349	225272143.55835			
Observation end date	2005-02-20T07:35:45	2005-02-20T07:35:43			
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)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.797277984947

### **A.2 Comments**