

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54937 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 13 2012

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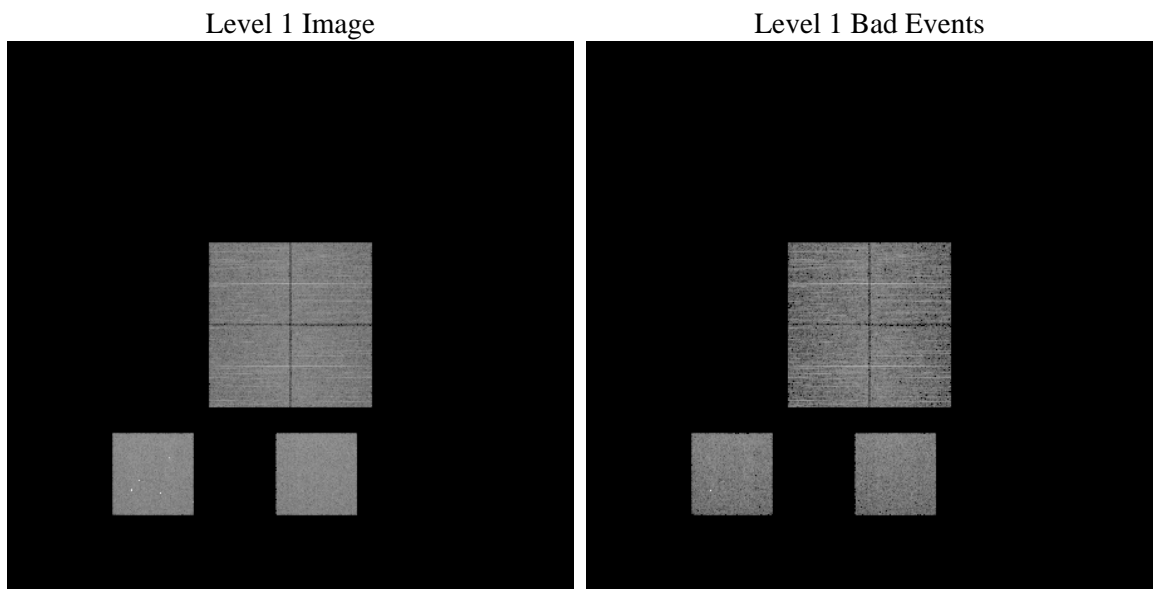
# 1 Front

seq_num	&#160	Sequence number
obs_id	54937	Observation id
title	ACIS-012357 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	242.91097676857	Nominal RA [deg]
dec_nom	-72.983527188146	Nominal Dec [deg]
roll_nom	122.53596652319	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5406.7960407734	Sum of GTIs [s]
livetime	5338.3319337234	Livetime [s]
ontime0	5406.7550007701	Sum of GTIs [s]
ontime1	5406.7139607668	Sum of GTIs [s]
ontime2	5406.6729207635	Sum of GTIs [s]
ontime3	5406.8370807767	Sum of GTIs [s]
ontime5	5406.6318807602	Sum of GTIs [s]
ontime7	5406.7960407734	Sum of GTIs [s]
l2events	204257	Number of level 2 events

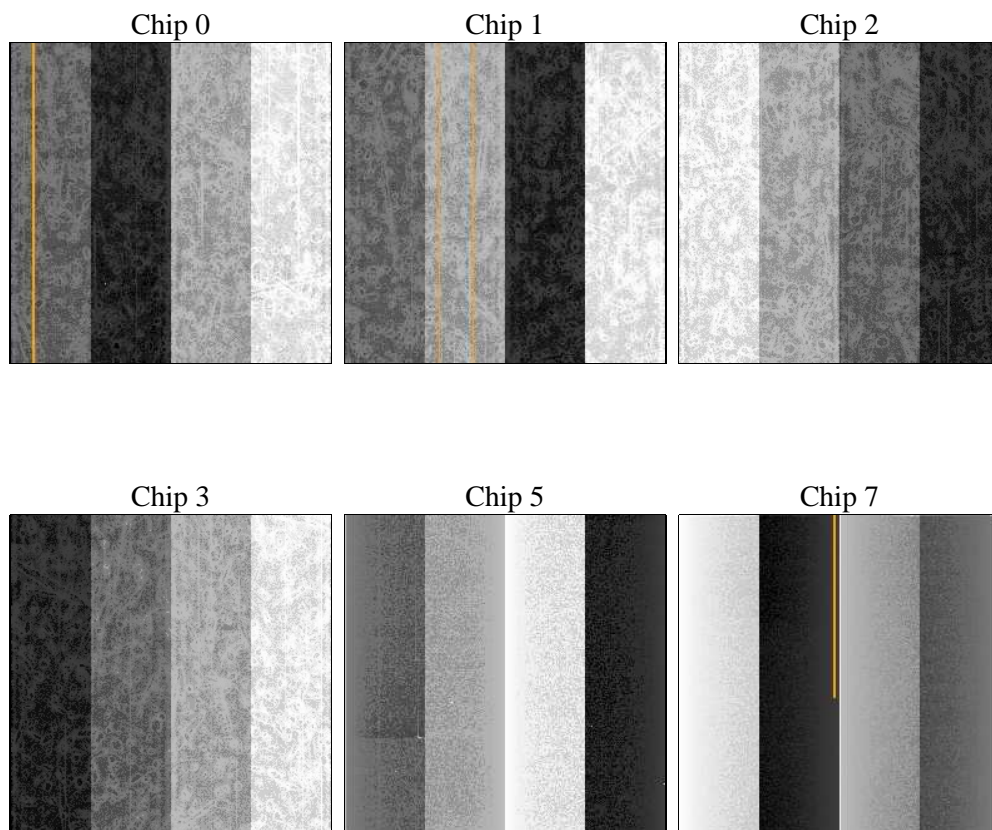
## 2 OBI

### 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	5406.7960407734	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	5406.7550007701	Sum of GTIs [s]
date	2012-01-13T11:28:08	Date and time of file creation	ontime1	5406.7139607668	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5406.6729207635	Sum of GTIs [s]
			ontime3	5406.8370807767	Sum of GTIs [s]
			ontime5	5406.6318807602	Sum of GTIs [s]
			ontime7	5406.7960407734	Sum of GTIs [s]
			l1events	444172	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	65094	64465	66058	66464	94300	87791	grade 0 events	14776	14655	15391	15552	8428	7943
rejected events	36745	35560	37332	37361	40859	38944		22%	22%	23%	23%	8%	9%
rejected %	56%	55%	56%	56%	43%	44%	grade 1 events	108	77	103	101	97	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5253	5651	5131	5336	18329	10624
								8%	8%	7%	8%	19%	12%
							grade 3 events	1934	1916	1992	2040	2052	4250
								2%	2%	3%	3%	2%	4%
							grade 4 events	1860	1984	2037	2033	2047	4283
								2%	3%	3%	3%	2%	4%
							grade 5 events	2322	2365	2189	2558	5145	6062
								3%	3%	3%	3%	5%	6%
							grade 6 events	4539	4721	4195	4155	22622	21779
								6%	7%	6%	6%	23%	24%
							grade 7 events	34302	33096	35020	34689	35580	32769
								52%	51%	53%	52%	37%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	242.9109767685675	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-72.98352718814567	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	122.535966523194	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	442772764.874188	442772763.84919			
Observation start date	2012-01-12T16:26:05	2012-01-12T16:26:03			
[s] Observation end time (MET)	442792557.625235	442792556.60023			
Observation end date	2012-01-12T21:55:58	2012-01-12T21:55:56			
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)	2012.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4067960407734

### **A.2 Comments**